



Derwent Valley Property Developments Ltd

The Network Building
*Preliminary Basement Impact
Assessment*
RM01 Office Scheme
Rev 2


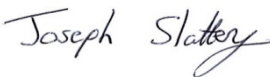

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1. INTRODUCTION






Card Geotechnics Limited (CGL) has been instructed by Blackburn & Co acting on behalf of Derwent Valley Property Developments Ltd ("the Client") to produce a Preliminary Basement Impact Assessment (BIA) for the proposed redevelopment works at The Network Building, W1T 4TW. This Preliminary Basement Impact Assessment has been undertaken in accordance with the following London Borough of Camden documentation outlining requirements related to basements within the borough:

 *Camden geological, hydrogeological and hydrological study. Guidance for subterranean development. ARUP. (November 2010)*¹.

 *Camden Local Plan (CLP) 2017. Policy A5 Basements, Camden Planning Guidance Basements (November 2017)*²;

 *Camden Planning Guidance: Basements (CPG) March 2018, replacing the Camden Planning Guidance 4: Basements and Lightwells (July 2015)*³;

In line with CPG4, the Basement Impact Assessment procedure includes the following stages:

-  **Stage 1:** Screening
-  **Stage 2:** Scoping
-  **Stage 3:** Site investigation and study
-  **Stage 4:** Impact assessment
-  **Stage 5:** Review and decision making

This preliminary BIA report provides information for stages 1 to 4 of the London Borough of Camden BIA process. Data from onsite intrusive site investigations has been used to derive geotechnical parameters for the site. Subsequently, a Ground Movement Assessment (GMA) and Building Damage Assessment (BDA) on adjacent neighbouring buildings and highways have been undertaken and reported. Findings from CGL's onsite intrusive site investigation are presented separately in a Geotechnical and Geoenvironmental Interpretative Report⁴. Once the final scheme is fully confirmed and the second phase of the site investigation is completed, this report will be updated based on the findings and the final BIA report will be completed.

¹ Camden geological, hydrogeological and hydrological study. Guidance for subterranean development. ARUP. (November 2010)

² Camden Local Plan (CLP) 2017. Policy A5 Basements, Camden Planning Guidance Basements (November 2017)

³ Camden Planning Guidance: Basements (CPG) March 2018, replacing the Camden Planning Guidance 4: Basements and Lightwells (July 2015)

⁴ CGL. The Network Building. Geotechnical and Geoenvironmental Interpretative Report. Ref. CGL_09528_GGIR_Oct2020

2. SITE CONTEXT

2.1 Site Location

The site is located at 95 – 100 Tottenham Court Road and 76 – 80 Whitfield Street, termed “The Network Building” and 88 Whitfield Street. The approximate postcode for the site is W1T 4TW and the approximate grid reference for the site centre is 529376E, 182015N. The site is located within the London Borough of Camden and lies in the southern portion of the street block bounded by Tottenham Court Road (east), Howland Street (south), Whitfield Street (west) and Maple Street (north). The block is bisected north to south by Cypress Place, a pedestrian street.

A site location plan is included in Figure 1.

2.2 Site Description

The site is roughly rectangular in plan and occupies an area of approximately 0.27 hectares. The site is presently occupied by a six-storey office and retail building. There is a single storey basement occupying nearly the entire footprint to the west of Cypress Place. The basement links under the pedestrian street and expands under part of the site in the eastern section. The existing structure is believed to be a mix of steel and concrete with parts of the building being developed at different times. The existing basement slab was found to be 250mm thick and it was found to be supported by shallow concrete footings, the configuration and the underside of which were not proven by the probes undertaken in TP03 & TP04⁴, respectively. The site is still live and in use by occupants.

Based on structural information provided by Elliot Wood⁵, the existing single basement finished floor level (FFL) is at approximately +25.17m above Ordnance Datum (mOD) while the FFL of the existing ground floor is assumed to be at +28.10mOD. The site is generally flat with a gentle downward slope from northwest to southeast from a Whitfield Street pavement level of circa +28.00mOD to a Howland Street pavement level of approximately +27.80mOD. Ground level also remains generally flat along Cypress Place with a gentle downward slope from a Howland Street road level of +27.72mOD along the southern boundary of the site to a Cypress Place road level of approximately +26.70mOD in the central area of the site⁶.

A site layout plan is presented in Figure 2.

⁵ Elliot Wood Partnership LLP (May 2020). Section through tunnels. Ref. 2170754-S/0801-P01.

⁶ Point Surveyors (May 2020). Topographic Survey- Sheet 2. Dwg no. P1618/T/02

2.3 Proposed Development

The proposed development comprises the demolition of the existing office and retail building and the construction of a new nine-storey mixed office, residential and commercial building above ground, with a lowered single basement level across the entire footprint of the site. No areas of soft landscaping are proposed.


Based on the provisional basement information provided by Elliot Wood, the building is to be supported by a raft foundation⁷. The B1 raft foundation is understood to be 750mm thick. The proposed B1 slab surface level (SSL) is to be formed at approximately 2.8m below the existing basement level (mbbl) at +22.36mOD. Due to the measured variable groundwater level on site, to enable the construction of the proposed lowered basement and in order to achieve the water cut-off, a 600mm hard/firm secant piled wall with a male to male spacing of 750mm c/c is proposed to be cast around the entire perimeter of the site. The proposed secant wall is understood to be designed to resist lateral loads only and it is assumed to be installed from a piling platform level at +27.00mOD. This piling platform is anticipated to be formed by backfilling the basement footprint during/after the demolition works.

Proposed development plans, together with a site constraint plan and provisional underground infrastructure sections, are included in Appendix A.

2.4 Critical Sections for Analysis


The site is bounded by Tottenham Court Road to the east, Howland Street to the south, Whitfield Street to the west and “The Qube” to the north. “The Qube” is a 6-storey office and commercial building with a single level stepped basement that is located roughly at 0.5m from the proposed basement⁸. The pavements of the aforementioned highways/streets are immediately adjacent to the proposed basement, with the carriageway starting approximately between 5m to 7m from the proposed basement. The location of the critical sections assessed is presented within the site layout plan in Figure 2.


4 no. critical sections have been outlined for the building impact assessment:


 **Critical Section 1 (CS1):** This section extends 20m perpendicularly to the eastern proposed basement line going across Tottenham Court Road, the critical highway adjacent to site to the east.

⁷ Elliot Wood Partnership LLP (October 2020). Proposed Basement Plan. Ref. 2170754-EWP-ZZ-B1-DR-S-0900. Rev P1.01

⁸ Elliot Wood (October 2020). Basement Perimeter Details – Proposed Wall Build-Up. Ref. 2170754-EWP-ZZ-XX-SK-S-0004. Rev P2

 **Critical Section 2 (CS2):** This section extends 15m perpendicularly to the southern proposed basement line going across Howland Street, the critical road adjacent to site to the south.

 **Critical Section 3 (CS3):** This section extends 10m perpendicularly to the western proposed basement line going across Whitfield Street, the critical road adjacent to site to the west.

 **Critical Section 4 (CS4):** This section extends 50m perpendicularly to the northern proposed basement line going across “The Qube”, the critical neighbouring building adjacent to site to the north.

Foundation and dimension details for the critical sections identified above are summarised in Table 1 and are based on structural information provided by Elliot Wood presented in Appendix A and google earth imagery.

Table 1. Summary of assumed dimensions and foundation depths for the critical buildings/highways

Critical Section (CS)	Boundary Direction	Distance from edge of the excavation (m)	Length [m]	Height [m]	Foundation Level [mOD]
Tottenham Court Road (CS1)	East	~ 0	20 ^a	N/A	+27.00 ^{d,e}
Howland Street (CS2)	South	~ 0	15 ^a	N/A	+27.00 ^{d,e}
Whitfield Street (CS3)	West	~ 0	10 ^a	N/A	+27.00 ^{d,e}
The Qube (CS4)	North	0.5	50	28 ^b	+24.36 ^c

Notes:

- a. From pavement adjacent to the proposed basement to the opposite side of the road.
- b. Assumed a height per storey of 4m for a six-storey building with a single basement level.
- c. Assumed to be founded at +24.36mOD, to be confirmed once the supplementary site investigation is completed. This is conservative since the fact that the basement step is not considered in the analysis.
- d. Assumed design ground level is +27.00mOD.
- e. Assumed to be founded at 0m below ground level.

If the Damage Category for these critical buildings/assets lies within acceptable limits (Category 1 or below), then the impact on other neighbouring properties located at a greater distance from the proposed excavation will also be acceptable.

3. SCREENING

3.1 Introduction

CGL has carried out a screening process based on relevant Camden Planning Guidelines (CPG)^{1,2,3}. Relevant questions for the site in Camden and proposed development are presented below. Appropriate responses are provided where there is no requirement for further investigation and assessment.

The CGL Geotechnical and Geoenvironmental Interpretative Report⁴ has been completed, which includes the desk study information referred to in the following sections and reference should be made to this report for full details.

3.2 Subterranean (Groundwater) Flow

This section answers questions relating to groundwater flow.

Table 2. Subterranean (Groundwater) Flow

Question	Response	Action Required
1a. Is the site located directly above an aquifer?	Yes. The site is underlain by the Lynch Hill Gravel Formation, designated as a Secondary A aquifer.	Impact Assessment
1b. Will the proposed basement extend beneath the water table surface?	Yes. Groundwater monitoring results at The Network Building indicate that the groundwater is at +23.62mOD at the centre of the site and lowers down to +23.15mOD in a northeast to southwest direction. This possibly intermittent perched groundwater is located within the Lynch Hill Gravel Member. The SSL of the existing B1 basement is at +25.17mOD. As part of the proposed development, the slab surface level (SSL) of the new B1 basement is anticipated to be at +22.36mOD. Given that the B1 raft slab is proposed to be 750mm thick, the formation level of the B1 raft is expected to be at +21.61mOD (within the Weathered London Clay). Therefore, the formation level would be up to 2m below the highest recorded groundwater on site. Due to the measured variable groundwater level on site, in order to achieve the water cut-off, a 600mm secant piled wall with a male to male spacing of 750mm c/c is proposed to be cast around the entire perimeter of the site.	Impact Assessment
2. Is the site within 100m of a watercourse, well, or potential spring line?	No. There are no neighbouring local water features. The nearest watercourse is the Boating Lake which forms part of the lost River Tyburn, which passes approximately 1.2km northwest of the site at its closest point. The River Thames is approximately 1.90km southeast.	None
3. Is the site within the catchment of the pond chains on Hampstead Heath?	No. The site is located approximately 4.30km from the closest point of the Hampstead Chain Catchment.	None

<p>4. Will the proposed basement development result in a change in the proportion of hard surfaced/paved areas?</p>	<p>Not anticipated, others to confirm.</p> <p>The proposed development and basement will not affect the proportion of hard surfaced/paved areas as the footprint of the proposed basement and development covers an area which is already hardstanding (concrete and paving slabs).</p>	<p>None</p>
<p>5. As part of site drainage, will more surface water than at present be discharged to ground (e.g. via soakaways and/or SUDS)?</p>	<p>Not anticipated, others to confirm.</p>	<p>Confirmation by others</p>
<p>6. Is the lowest point of the proposed excavation close to, or lower than, the mean water level in any local pond or spring lines?</p>	<p>No.</p> <p>There are no local water features in the vicinity of the site.</p>	<p>None</p>

In summary, the site is underlain by the Lynch Hill Gravel formation, designated as a Secondary A aquifer. Groundwater monitoring results indicate that the groundwater is approximately at a level of approximately +23.18mOD to +23.62mOD, located within the Lynch Hill Gravel Member. The formation level of the proposed B1 raft slab is anticipated to be at +21.61mOD, approximately 2m below the shallowest recorded groundwater level.

Due to the measured variable groundwater level on site, a 600mm secant piled wall with a male to male spacing of 750mm c/c is proposed to be cast around the entire perimeter of the site. The proposed secant pile wall when toed into the relatively impermeable London Clay is expected to provide adequate groundwater cut-off to the excavation.

In light of the above, it is considered that further assessment is required in relation to subterranean (groundwater) flow.

3.3 Slope & Land Stability

This section answers questions relating to site topography, trees, neighbouring infrastructure and potential ground movements associated with basement development.

Table 3. Slope/Land Stability

Question	Response	Action Required
1. Does the site include slopes, natural or manmade, greater than about 1 in 8?	No. The site is generally flat with a gentle downward slope from northwest to southeast from a Whitfield Street pavement level of circa +28.00mOD to a Howland Street pavement level of approximately +27.80mOD. Ground level also remains generally flat along Cypress place with a gentle downward slope from a Howland Street road level of +27.72mOD along the southern boundary of the site to a Cypress Place road level of approximately +26.70mOD in the central area of the site ⁹ .	None
2. Will the proposed re-profiling of the landscaping at site change slopes at the property boundary to greater than about 1 in 8?	No.	None
3. Does the development neighbour land including railway cuttings and the like with a slope greater than about 1 in 8?	No.	None
4. Is the site within a wider hillside setting in which the general slope is greater than about 1 in 8?	No. In a wider context, the site is located within a relatively flat area in the London Borough of Camden.	None
5. Is the London Clay the shallowest stratum on site?	No. The London Clay is overlain by approximately 2m of River Terrace Deposits (lynch Hill Gravel Member) and approximately 2.5m of Made Ground at the site.	None
6. Will any trees be felled as part of the proposed development and/or are any works proposed within any tree protection zones where trees are to be retained?	No. No vegetation is located onsite in the existing condition.	None
7. Is there a history of shrink/swell subsidence in the local area and/or evidence of such at the site?	There is a moderate risk for heave in the London Clay.	Impact Assessment
8. Is the site within 100m of a watercourse or a potential spring line?	No. There are no local water features in the vicinity of the site.	None
9. Is the site within an area of previously worked ground?	No. The closest known area of worked ground is located 6m south of the site location.	None
10a. Is the site within an aquifer?	Yes. The site is underlain by the Lynch Hill Gravel formation, designated as a Secondary A aquifer.	Impact Assessment

⁹ Point Surveyors (May 2020). Topographic Survey- Sheet 2. Dwg no. P1618/T/02

Question	Response	Action Required
10b. If yes to (a), will the proposed basement extend beneath the water table such that dewatering may be required during construction?	<p>There is a risk of encountering groundwater during the excavation works within the Lynch Hill Gravels; hence, temporary dewatering may be required.</p> <p>However, a permanent dewatering system will not be required. The proposed secant pile wall is expected to provide adequate groundwater cut-off to the excavation. Assuming the piles are installed correctly to achieve the required interlock, groundwater ingress into the excavation is expected to be minimal.</p> <p>It is noted that residual seepage may occur due to a lack of successful interlock of the secant piles, and this should be taken into account by the piled wall designer in accordance with CIRIA guidance¹⁰. Hence, minor seepage into the basement may be mitigated using sumps or other localised measures.</p>	Investigation and Assessment (in relation to Section 3.2)
11. Is the site within 50m of the Hampstead Heath ponds?	<p>No.</p> <p>The site is located approximately 4.30km from the closest point of the Hampstead Chain Catchment.</p>	None
12. Is the site within 5m of a highway or pedestrian right of way?	<p>Yes.</p> <p>The site is located within the southern portion of the street block bounded by Tottenham Court Road (east), Howland Street (south), Whitfield Street (west) and Maple Street (north). The block is currently bisected north to south by Cypress Place, a pedestrian street.</p>	Impact assessment
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	<p>Yes.</p> <p>It is understood that the adjacent building “The Qube”, located along the north-western boundary, has an existing basement structure, with formation level at approximately +24.40mOD¹¹, which coincides with the proposed finished floor level (FFL) of the proposed development. However, it steps down to a lower formation level that is unknown at the time of writing the report.</p> <p>The SSL of the existing basement is roughly +25.17mOD. The existing B1 slab was found to be 250mm thick. Hence, the formation level of the existing basement slab is anticipated to be at approximately +24.92mOD. The proposed formation level of the Network Building, however, is approximately +21.61mOD. For the purpose of this report, the proposed basement is assumed to be founded below the depth of the neighbouring basement. Consequently, it has been identified that the differential depth of the proposed foundation relative to “The Qube” and the roads in the vicinity increases some 3m.</p> <p>The depth and geometry of the existing and neighbouring building foundations should be confirmed by means of internal foundation inspection pits that are proposed as part of the supplementary site investigation in Section 6.</p> <p>The surrounding highways, Tottenham Court Road to the east, Whitfield Street to the west and Howland Street to the south have a road level of approximately +27.76mOD, +27.83mOD and +27.65mOD, respectively⁶.</p>	Impact assessment

¹⁰ CIRIA C515 (2001). *Guidance on Groundwater control – design and practice.*

¹¹ Elliot Wood Partnership LLP (September 2020). *Basement Boundary Conditions – Section C-C. Ref. 2170754-EWP-ZZ-XX-SK-S-005. Rev P1*

Question	Response	Action Required
<p>14. Is the site over (or within the exclusion zone of) any tunnels?</p>	<p>Yes.</p> <p>A preliminary site constraint document indicates the presence of two tunnels of the London Underground Limited (LUL) Northern Line that run parallel to the eastern boundary of the site¹². The entire site appears to fall within the LUL zone of influence; however, the exact location in plan of both tunnels with respect to site should be confirmed. It is understood that Elliot Wood assume the crown level of the tunnel that is closest to the site to be at +2.9mOD; whereas the crown level of the adjacent tunnel is assumed to be at +3.3mOD.</p> <p>A Thames Water asset location search document¹³ indicates the presence of sewer and water mains adjacent to site. Two main combined sewers run in a north to south direction under Tottenham Court Road and Whitfield Street, respectively. The sewers have a nominal internal diameter (from the soffit to the invert) that range between 1320mm and 1170mm. Another main combined sewer with a 1550mm internal diameter runs in a west to east direction under Howland Street. The Thames Water search document¹³ suggests that the invert level of the combined sewers may range between +22.70mOD and +23.77mOD; however, the exact invert levels of the assets in the vicinity of the site are not known.</p> <p>The Thames Water search document also suggests that an 18” trunk main runs in a north to south direction under Tottenham Court Road at 1.1mbgl. Various distribution mains with diameters that range between 100mm and 200mm are also indicated in the vicinity of the site. These are suggested to be located at 0.9mbgl.</p> <p>However, the distance from the centrelines to the corresponding site boundaries as well as the construction material of the assets is not known.</p> <p>The site is situated within the Crossrail 2 safeguarding zone for future proposed works. Based on preliminary information from the Tottenham Court Road Factsheet¹⁴, Crossrail 2 Information for Developers document¹⁵ and online sources¹⁶, the proposed tunnel diameters are likely to be 7.8m. The Crossrail 2 Factsheet states that the tunnels will be at “around 20m below ground level”. To protect the Crossrail 2 infrastructure the foundations of proposed structures should avoid entering a zone 7.5m vertically up from the tunnel crown or 6.5m horizontally out from the tunnel walls. These exclusion zones consider the construction tolerance, exclusion zone and the alignment adjustment zone. As a result, any proposed foundations should not be founded below +14.50mOD.</p>	<p>Sewer and Tunnel Impact Assessment required; however, these will likely be required and undertaken once phase 2 of the site investigation is completed and will form a separate submission to the relevant asset operators under a separate cover.</p>

In summary, a review of local topography suggests that the site and wider region around the perimeter do not exceed a gradient of 1 in 8, and the existing site is relatively flat. No trees are to be felled as part of the proposed works¹⁷. The London Clay is overlain by approximately 2.5m of River Terrace Deposits

¹² Elliot Wood Partnership LLP (May 2020). Site Constraints Plan. Ref. 2170754-S/0800-P1.

¹³ Thames Water (November 2017). Property Searches – 93 Tottenham Court Road, London, W1T 4TW. Ref. 21700754.

¹⁴ Crossrail 2 (October 2015). Crossrail 2 factsheet: Tottenham Court Road Station

¹⁵ Crossrail 2 (June 2017). Crossrail 2 Tunnel Section: Information for Developers.

¹⁶ Crossrail 2 (2020). <https://cr2.maps.arcgis.com/apps/webappviewer/index.html?id=21a7f72dfd0c443db5733bd81a707a67> (last accessed September 2020).

¹⁷ Arup (2010) *Camden geological, hydrogeological and hydrological study. Guidance for subterranean development*. 213923, Issue01, 18 November 2010

(Lynch Hill Gravel Member) and approximately 2.5m of Made Ground at the site. There is a moderate risk of heave within the London Clay.

There is a risk of encountering groundwater during the excavation works within the Lynch Hill Gravels; hence, temporary dewatering may be required. Assuming the secant wall piles are installed correctly to achieve the required interlock, groundwater ingress into the excavation is expected to be minimal. Hence, a permanent dewatering system is not deemed necessary. However, it is noted that residual seepage may occur due to a lack of successful interlock of the secant piles, and this should be taken into account by the piled wall designer in accordance with CIRIA guidance¹⁰. It is anticipated that minor seepage into the basement may be mitigated using sumps or other localised measures. This should be considered by the contractor as part of the temporary works designs for the development.

It is understood that the adjacent building “The Qube”, located along the north-western boundary has an existing basement structure with formation level at approximately +24.40mOD¹¹, which coincides with the proposed finished floor level (FFL) of the proposed development. However, it steps down to a lower formation level that is unknown at the time of writing the report.

The existing basement level is roughly +25.17mOD; while the proposed formation level of the Network Building is approximately +21.61mOD. For the purpose of this report, the proposed basement is assumed to be founded below the depth of the neighbouring basement.

Two tunnels of the London Underground Limited (LUL) Northern Line are present running parallel to the eastern boundary of the site¹². The entire site appears to fall within the LUL zone of influence; however, the exact location in plan of both tunnels with respect to site is unknown. The site is also situated within the Crossrail 2 safeguarding zone for future proposed works¹⁴.

Several sewer and water mains with various diameters are present in the vicinity of site¹³. Two main combined sewers run in a north to south direction under Tottenham Court Road and Whitfield Street, respectively. The sewers have a nominal internal diameter (from the soffit to the invert) that range between 1320mm and 1170mm. Another main combined sewer with a 1550mm internal diameter runs in a west to east direction under Howland Street. An 18” trunk main also runs in a north to south direction under Tottenham Court Road and various distribution mains with diameters that range between 100mm and 200mm are also indicated in the vicinity of the site. However, the distance from the centrelines to the corresponding site boundaries as well as the construction material of the assets is not known.

It is anticipated that ground movements will occur associated with the enabling works (demolition and infilling), excavation and construction of the new proposed basement. A ground movement

assessment is required to investigate the magnitude of ground movements around the basement perimeter and to assess the potential impact on critical neighbouring properties and roads.

The impact assessment of the aforementioned assets will most likely be required and undertaken once phase 2 of the site investigation is completed and will form a separate submission to the relevant asset operators under a separate cover.

3.4 Surface Flow and Flooding

This section answers questions relating to the impact of the proposed development on existing drainage, permeable surfacing and flood risk.

Table 4. Surface Flow and Flooding

Question	Response	Action Required
1. Is the site within the catchment of the pond chains on Hampstead Heath?	No. The site is located approximately 4.30km from the closest point of the Hampstead Chain Catchment.	None
2. As part of the proposed site drainage, will surface water flows (e.g. volume of rainfall and peak run-off), be materially changed from the existing route?	Not anticipated, to be confirmed by others. Surface water management systems are to be incorporated into the scheme to enable post development surface run-off rates are not exceed the pre-development run-off rates. The existing site condition is currently hardstanding and the extent of does not change in the proposed development.	None
3. Will the proposed development result in a change in the proportion of hard surfaced/paved external areas?	No. The proposed development and basement will not affect the proportion of hard surfaced/paved areas as the footprint of the proposed basement and development covers an area which is already hardstanding (concrete and paving slabs).	None
4. Will the proposed basement result in a change to the profile of the inflows of surface water being received by adjacent properties or downstream watercourses?	No.	None.
5. Will the proposed basement result in changes to the quality of surface water being received by adjacent properties or downstream watercourses?	No.	None
6. Is the site in an area known to be at risk from surface flooding or is it at risk from flooding because the proposed basement is below the static water level of a nearby surface water feature?	No. The site is located in an area of 'Low' flood risk from rivers and seas in accordance with EA mapping ¹⁸ . The site is located outside of the area protected by flood defences. The central area of the site is considered to be at low risk from surface water flooding. The site is not considered to be at risk from flooding from reservoirs.	None

¹⁸ <https://flood-warning-information.service.gov.uk/long-term-flood-risk/map> (accessed October 2020).

In summary, the site is located approximately 4.30km from the closest point of the Hampstead Chain Catchment. Surface water management systems are to be incorporated into the scheme to enable post development surface water run-off rates to not exceed the pre-development run-off rates. The proposed development and basement will not affect the proportion of hard surfaced/paved areas as the footprint of the proposed basement and development covers an area which is already hardstanding (concrete and paving slabs). The site is not recorded to be within an area at risk from surface water flooding or flooding from rivers and seas. It is therefore considered that no further assessment is required in relation to surface flow and flooding.

4. SCOPE OF PROPOSED ASSESSMENT

On the basis of the screening exercise within Section 3, it is considered a Basement Impact Assessment (BIA) is required for this site comprising a Subterranean (Groundwater) Flow assessment, Land Stability assessment and Building Damage Assessment, which addresses the following outlined in Table 5. The results of this scope are presented in Section 7, Section 8 and Section 9.




Table 5. Summary of Screening and Basement Impact Assessment Requirements

Item	Description
1.	<p>Subterranean (Groundwater) Flow</p> <p>Action: Investigation and Assessment – The site is underlain by the Lynch Hill Gravel formation, designated as a Secondary A aquifer. Groundwater monitoring results indicate that the groundwater is approximately at a level of approximately +23.15mOD to +23.62mOD, located within the Lynch Hill Gravel Member. The formation level of the proposed B1 raft slab is anticipated to be at +21.61mOD, approximately 2m below the shallowest recorded groundwater level. Due to the measured variable groundwater level on site, a 600mm secant piled wall with a male to male spacing of 750mm c/c is proposed to be cast around the entire perimeter of the site. The proposed secant pile wall is expected to provide adequate groundwater cut-off to the excavation when toed into the London Clay. With regards to groundwater flow obstructions, investigation and qualitative impact assessments have been undertaken.</p>
2.	<p>Slope (Land Stability)</p> <p>Action: Investigation and Assessment – It is understood that the adjacent building “The Qube”, located along the north-western boundary, has an existing basement structure. It is understood that the formation level of The Qube’s existing basement adjacent to site is approximately +24.40mOD¹¹, which coincides with the proposed finished floor level (FFL) of the proposed development. However, it steps down to a lower formation level that is unknown at the time of writing the report.</p> <p>The existing basement level is roughly +25.17mOD; while the proposed formation level of the Network Building is approximately +21.61mOD. For the purpose of this report, the proposed basement is assumed to be founded below the depth of the neighbouring basement.</p> <p>The depth and geometry of the existing and neighbouring building foundations should be confirmed by means of internal foundation inspection pits that are proposed as part of the supplementary site investigation in Section 6. The surrounding highways, Tottenham Court Road to the east, Whitfield Street to the west and Howland Street to the south have a road level of approximately +27.76mOD, +27.83mOD and +27.65mOD, respectively⁶. In regard to Land Stability a ground movement assessment and building damage assessment have been undertaken in Section 8 and Section 9 respectively.</p>
3.	<p>Surface Flow and Flooding</p> <p>Action: None Required – The site is located approximately 4.30km from the closest point of the Hampstead Chain Catchment.</p> <p>Surface water management systems are to be incorporated into the scheme to see that post development surface water run-off rates do not exceed the pre-development run-off rates.</p> <p>The proposed development and basement will not affect the proportion of hard surfaced/paved areas as the footprint of the proposed basement and development covers an area which is already hardstanding (concrete and paving slabs). The site is not recorded to be within an area at risk from surface water flooding or flooding from rivers and seas. It is therefore considered that no further assessment is required in relation to surface flow and flooding. It is therefore considered that no further assessment is required in relation to Surface Flow and Flooding.</p>

It should be noted that the impact assessments on Thames Water (TW) and London Underground Limited (LUL) assets is beyond the scope of this Basement Impact Assessment (BIA) report. However, these will likely be required and undertaken at a later date under separate cover and following appropriate correspondence with the relevant asset operators.

5. GROUND INVESTIGATION – STAGE 2

A site-specific ground investigation was undertaken by CGL⁴ at The Network Building between 10th August and 3rd September comprised:

-  One external cable percussive borehole (BH01) from existing ground level (+26.93mOD) to a depth of 30.00mbgl (-3.07mOD), including in-situ Standard Penetration Tests (SPTs), soil sampling, laboratory testing and installation of groundwater and gas monitoring standpipes;
-  One internal cable percussive borehole (BH02) from existing basement floor level (+25.17mOD) to a depth of 10.00mbbl (+15.17mOD), including in-situ Standard Penetration Tests (SPTs), soil sampling, laboratory testing and installation of a groundwater monitoring standpipe; and,
-  Three hand-dug foundation inspection pits (TP1, TP3 and TP4) to a depth between 1.5mbbl (+23.67mOD) and 2.30mbbl (+22.87mOD) to determine the basement slab thickness, the foundation geometry to the retaining boundary wall and perimeter columns, and to locate ground beams/pile caps.

The investigation was generally undertaken in accordance with the requirements of BS 5930:2015¹⁹ and BS 10175:2011+A2:2017²⁰. The materials encountered within the trial pits were logged by an Engineer from CGL and representative soil samples retrieved and sent for laboratory analysis. Representative soil samples were submitted to i2 Analytical UK Ltd (a UKAS and MCERTS accredited laboratory) for chemical testing. Analysis included Geotechnical and Geoenvironmental soils laboratory testing and the results are included in the CGL Geotechnical and Geoenvironmental Factual and Interpretative Report⁴.

Ground and Groundwater conditions are also included in the CGL Geotechnical and Geoenvironmental Factual and Interpretative Report⁴, which also contains derivation of the geotechnical design parameters carried forward and used in this Basement Impact Assessment. These geotechnical design parameters are based on the in-situ SPT data, soil descriptions, results of the laboratory testing and published data for the well-studied London geology and are summarised in Table 6 below.

Plots of SPT 'N60' values versus level (mOD) and undrained shear strength (cu) versus level (mOD) are provided in Figure 3 and Figure 4.

¹⁹ British Standards Institution (2015) *Code of practice for site investigations*. BS 5930:2015

²⁰ British Standards Institution (2017) *Investigation of potentially contaminated sites – Code of practice*. BS 10175:2011+A2:2017

These values are unfactored (Serviceability Limit State) and are considered to be ‘moderately conservative’ design parameters.

Table 6. Geotechnical Design Parameters

Stratum	Design Level (mbgl) [mOD]	Bulk Unit Weight γ_b (kN/m ³)	Undrained Cohesion c_u [c'] (kPa)	Friction Angle ϕ' (°)	Young's Modulus E_u [E'] (MPa)
Made Ground (Granular)	0.00 [+27.0]	19 ^a	-	30 ^a	[14] ^b
Lynch Hill Gravel Member (Granular)	2.5 [+24.5]	19 ^a	-	32 ^a	[30] ^b
London Clay Formation (Cohesive)	4.5 [+22.5]	21 ^a	60 + 6.5z ^{e,f} [5] ^c	22 ^a	36 + 3.9z ^{f,g} [27 + 2.9z] ^{f,h}
Lambeth Group (Cohesive)	23.0 [+4.0]	21 ^a	180 + 12.1z ^{i,j}	22 ^a	144 + 9.7z ^{i,k} [115 + 7.8z] ^{i,l}

Notes:

- a. British Standards (2015). Code of practice for earth retaining structures. BS 8002-2015.
- b. $E' = 2 \times N_{60}$, where 7 and 15 have been adopted as N60 values for Made Ground and Lynch Hill Gravels. CIRIA C760 (2017). Guidance on embedded retaining wall design.
- c. Stroud, M.A. (1975). The standard penetration test in insensitive clay and soft rock. Proceedings of the European Symposium on Penetration Testing, 2, 367-375.
- d. z = depth below surface of the weathered London Clay
- e. z = depth below surface of the London Clay
- f. Based upon moderately conservative (initial SPT 'N' value = 13) where ($c_u = \text{SPT 'N'} \times f_1$) where $f_1 = 4.5$, CIRIA R143 (1995), The Standard Penetration Test – Methods and Use. Peck, R.B., Hanson, W.E., and Thornburn, T.H., Foundation Engineering, 2nd Edn. John Wiley, New York, (1967); Stroud, M.A., The standard penetration test in insensitive clays and soft rocks, proceedings of the European symposium on penetration; White et al, 2019, An update of the SPT-cu correlation proposed by M. Stroud in 1974, Proceedings of the XVII ECSMGE 2019.
- g. Based on $E_u = 600 \times c_u$ - Burland, Standing J.R., and Jardine F.M. (eds) (2001), Building response to tunnelling, case studies from construction of the Jubilee Line Extension London, CIRIA Special Publication 200.
- h. Based on $0.75 \times E_u$. Burland, J.B et al (Ed.) (2001) Building response to tunnelling, case studies from construction of the Jubilee Line Extension London, CIRIA Special Publication 200.
- i. z = depth below surface of the Lambeth Group
- j. Based upon moderately conservative (initial SPT 'N' value = 36) where ($c_u = \text{SPT 'N'} \times f_1$) where $f_1 = 5$, CIRIA R143 (1995), The Standard Penetration Test – Methods and Use. Peck, R.B., Hanson, W.E., and Thornburn, T.H., Foundation Engineering, 2nd Edn. John Wiley, New York, (1967); Stroud, M.A., The standard penetration test in insensitive clays and soft rocks, proceedings of the European symposium on penetration; White et al, 2019, An update of the SPT-cu correlation proposed by M. Stroud in 1974, Proceedings of the XVII ECSMGE 2019.
- k. Based on $E_u = 800 \times c_u$ - Burland, Standing J.R., and Jardine F.M. (eds) (2001), Building response to tunnelling, case studies from construction of the Jubilee Line Extension London, CIRIA Special Publication 200.
- l. Based on $0.80 \times E_u$. Burland, J.B et al (Ed.) (2001) Building response to tunnelling, case studies from construction of the Jubilee Line Extension London, CIRIA Special Publication 200.

The shallowest groundwater levels monitored in BH01 and BH02 are +23.62mOD and +23.15mOD. This suggests that the groundwater level reduces in a northeast to southwest direction. A design water level of +23.62mOD has been assumed based on the shallowest worst-case monitored groundwater level to date.

6. SUPPLEMENTARY GROUND INVESTIGATION – STAGE 3

Due to the access restraints in relation to the occupied IKEA store, it was not permitted to enter the existing building located to the east of Cypress Place. It was therefore agreed that due to the limited site access, a phased Site Investigation approach was more appropriate. This way, the first phase would inform the second phase and ground and groundwater findings encountered during the first phase would be validated through the second.

That is why, in Phase 1, CGL only completed an external 30m borehole, an internal 10m borehole and three internal foundation inspection pits to better understand the ground and groundwater conditions on site, to identify the thickness of the basement slab and its relationship with the existing brick retaining wall along the southern boundary, to locate any ground beams/pile caps and to allow for soils testing for Geoenvironmental (contamination) and Geotechnical properties to define the ground model for the site.

In line with Elliot Wood's specification²¹, it is therefore proposed to undertake four additional internal foundation inspection pits to determine the party wall foundation relationship and geometry and to allow for additional geotechnical and geoenvironmental testing to validate the defined ground model for the site. An additional 30m borehole below the existing basement located in the eastern site without entering the tunnel exclusion zone under Tottenham Court Road is also proposed to prove the top of the Lambeth Group and as a result de-risk a potential depression in the Lambeth Group as encountered on the nearby UCLH Proton Beam site²². Additionally, three perimeter wall and three floor slab non-destructive scans are also required to adequately evaluate the construction and thickness of the structural elements noted above.

²¹ Elliot Wood Partnership LLP (May 2020). *The Network Building, London, W1T 4TW – Site Investigation Specification*. Ref. 2170754

²² <https://www.geplus.co.uk/news/industry-urged-to-publish-more-details-of-ground-conditions-13-09-2018/> (last accessed October 2020)

7. SUBTERRANEAN GROUNDWATER FLOW

7.1 Introduction

This section addresses outstanding issues raised by the screening process regarding groundwater flow.

The surface of the London Clay is known to slope in a south-south westerly direction towards the River Thames beyond the site extent based on available BGS²³ records and hence, groundwater is also expected to flow predominantly in that same direction over the relatively impermeable London Clay surface.

Based on information from the site investigation and groundwater monitoring⁴ undertaken by CGL, the groundwater depth and elevation varies spatially across site. In general, the groundwater elevation is roughly +23.62mOD at the centre of the site, and it reduces to +23.15mOD towards the southwest of the site. This agrees with the expected groundwater flow direction, based on the typical dip of the surface of the London Clay mentioned above.

7.2 Impact on Groundwater Flows due to Basement Construction

Based on the findings of the site investigation and subsequent monitoring of installations, groundwater will most likely be encountered during excavation works for the new deeper basement across the entire footprint of the site.

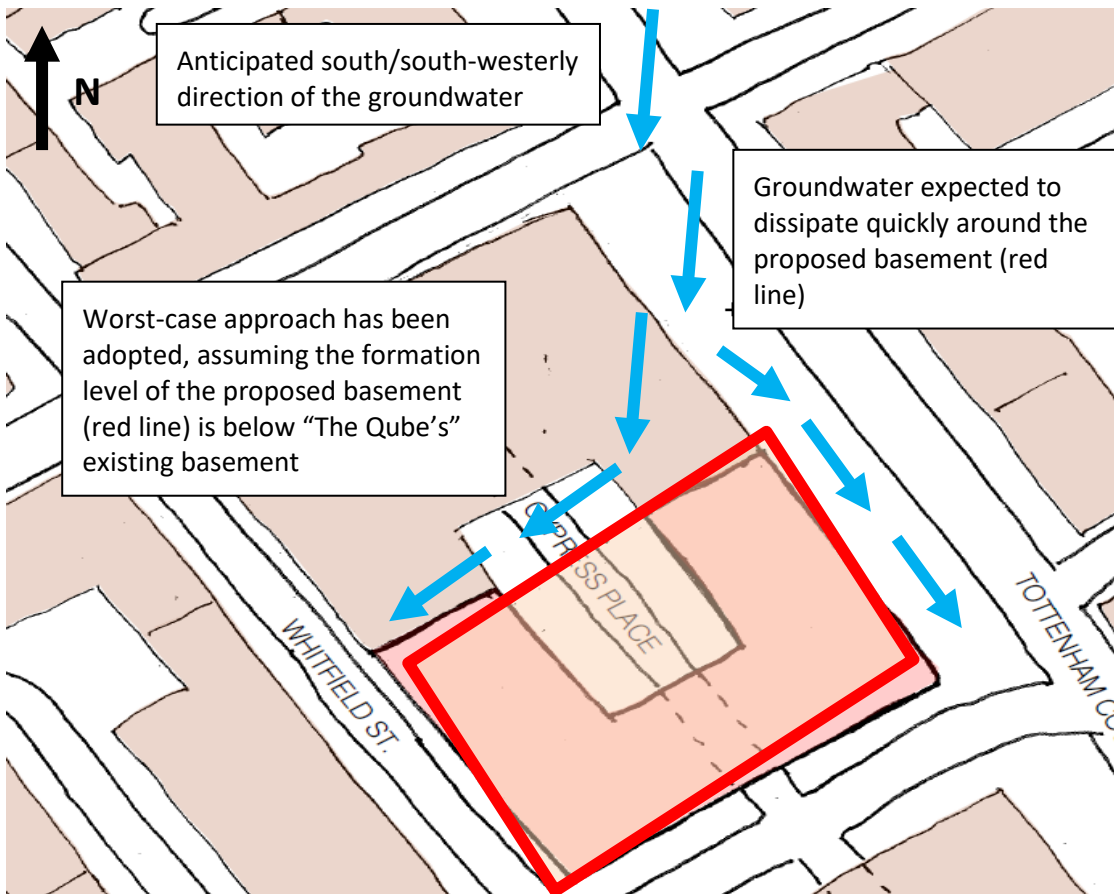
Due to the presence of shallow groundwater within the Lynch Hill Gravel, a secant piled wall is to be installed to facilitate construction of the new deeper basement area. The proposed basement is anticipated to be founded at +21.61mOD in the Weathered London Clay, with secant piles installed into the London Clay to provide a cut off to further water ingress during excavation, as well as to support lateral soil loads in the temporary and permanent conditions. It is noted that residual seepage may occur due to a lack of successful interlock of the secant piles, and this should be taken into account by the piled wall designer in accordance with CIRIA guidance¹⁰. Hence, minor seepage into the basement may be mitigated using sumps or other localised measures.

The new basement area to be constructed at The Network building measures approximately 50m by 50m, and for the purpose of this report is assumed to be founded below the depth of the neighbouring basement. Given the orientation of the proposed building and the expected groundwater flow direction as shown in Plate 1, it is anticipated that water will flow around the proposed basement due to relatively high lateral permeability within the Lynch Hill Gravel Member and consequently pore

²³ <https://mapapps.bgs.ac.uk/geologyofbritain/home.html> (accessed 14/10/2020)

water pressures are expected to dissipate relatively quickly. Therefore, the construction of the proposed basement is likely to have a negligible impact on the groundwater regime in the vicinity of the site. No significant change in groundwater pressures around the site perimeter is anticipated in the long-term condition, and therefore significant ground movements / settlement due to changing groundwater levels are not expected to occur either.

Plate 1. Anticipated groundwater flow post-construction of the proposed redevelopment (blue: potential groundwater path; red: indicative site boundary for The Network Building)



7.3 Impact on Adjacent Properties & Infrastructure

Based on information provided by Elliot Wood¹¹, there is one single storey basement within the immediate vicinity of the site to the north under "The Qube". It is understood that the formation level of The Qube's existing basement is at approximately +24.36mOD¹¹; however, it steps down to a lower formation level that is unknown at the time of writing the report.

Any potential rise in groundwater level due to the proposed development basement and corresponding impact on adjacent properties or infrastructure is considered to be negligible given the size and orientation of the basement in relation to the regional groundwater flow direction and high permeability of the granular soils in which the water flows above the surface of the impermeable London Clay.

8. LAND STABILITY

8.1 Introduction

This section provides details of calculations undertaken to determine potential ground movements that may result from the proposed demolition, excavation and construction works for the proposed basement and to assess how the associated ground movement mechanisms may potentially affect adjacent structures.

A ground movement assessment has been undertaken using OASYS Limited *PDISP* (Pressure Induced *DIS*placement) analysis software to compute vertical ground movements and WALLAP (pseudo-FE retaining wall analysis software) to compute potential horizontal ground movements for the secant wall line. The aim of the Ground Movement Assessment is to determine the potential impact of the proposed redevelopment on the surrounding party wall building and adjacent highways.

Proposed development drawings provided by the Structural Engineer are provided in Appendix A.

8.2 Assumed Basement Construction Methodology


The existing building with a reduced single basement is expected to be demolished and the existing basement footprint subsequently infilled to form a consistent piling platform level across the site at +27.00mOD.


For this preliminary assessment, in line with e-mail correspondence with Elliot Wood, a bottom-up methodology is to be adopted. The proposed basement construction sequence comprises installation of a perimeter secant piled wall followed by the installation of a high-level temporary propping frame. Excavation will then commence to B1 formation level at +21.61mOD. Once the B1 level raft has been cast, the substructure will be built up to ground floor slab level, following which the high-level temporary prop will be removed.


Should alternative basement construction methodologies or formation levels be considered as part of the final detailed development proposal, then the analysis and the impact assessments should be reviewed.


8.3 Potential Ground Movement Mechanisms


The following construction processes and effects are likely to give rise to ground movements, the impacts of which will be assessed in this report:


 **Enabling Works:** This comprises the demolition of the existing building and the infilling of the existing basement up to +27.00mOD to form the piling platform. This is likely to generate vertical ground movements. In areas where net unloading takes place, heave movements will govern; otherwise, in areas where net loading occurs, settlements are anticipated.

 **Installation of the secant piled wall:** This is likely to generate lateral and vertical ground movements proportional to the embedded length of the piles. It is understood that that the secant pile wall will be installed to sustain lateral loads in the temporary and permanent conditions.

 **Excavation of the proposed basement:** The London Clay is susceptible to short term heave and time dependant swelling on unloading, which will occur as a result of basement excavation, generating upward ground movements.

 **Deflection of the piled wall:** Deflections occur as the excavation sequence proceeds and the piled wall is loaded with retained earth and water pressures, which can give rise to lateral and vertical ground movements in both the temporary and permanent condition.

 **Ground Movements due to application of structural loads:** The net load applied to the soil across the raft foundation is likely to generate settlement around the excavation and is the net difference between the structural loads of the new building offset by the unload due to the basement dig.

 **Long term ground movements:** The net loading on formation soils will generate ground movement in the long-term permanent condition.

8.4 Ground Movements Arising from Secant Piled Wall Installation

Lateral ground movements and settlements are generated during the stages of installation of the piled wall. Guidance provided by CIRIA C760²⁴ suggests that horizontal movements and settlements due to installation of the concrete secant pile wall in stiff soil can be assumed to be equal to 0.08% and 0.05% of the pile length, respectively. The influence of the installation movements at ground level extends

²⁴ CIRIA C760: Guidance on Embedded Retaining Wall Design.

beyond the wall to a distance of 2 and 1.5 times the installation depth for vertical and horizontal ground movements, respectively, which is assumed to dissipate parabolically with distance from the wall.

Background studies²⁵ on the effects of piled wall installations within the London area indicate that movements due to secant piled wall can be overpredicted following CIRIA’s guidance, particularly where a ‘hit and miss’ piling methodology is adopted alongside good construction control. Therefore, horizontal and vertical movements due to installation of the concrete secant piled wall have been assumed to be equal to 0.02%.

In line with e-mail correspondence with Elliot Wood, the secant wall is not designed to be load bearing and it is anticipated to only support lateral loads in both the temporary and permanent conditions. Therefore, the toe level is mainly governed by water cut-off and rotational stability requirements. To enable the water tightness of the proposed basement, it is recommended that the secant pile wall is toed at least 2m in the London Clay Formation and even deeper, if required, for stability purposes. This is discussed in detail in Section 8.7.

Table 7 below summarises anticipated ground movements at the wall arising due to installation of the piled wall at ground surface.

Table 7. Summary of Installation Movements from CIRIA C760

Section	Pile Toe (mOD)	Pile Length (m)	Max vertical ground movements due to pile installation (mm)	Max horizontal ground movements due to pile installation (mm)
Critical Sections 1, 2 & 3	+18.00 ^a	9.00 ^b	1.8 ^c	1.8 ^c
Critical Sections 4	+16.00 ^a	11.00 ^b	1.6 ^d	1.6 ^d

Notes:

- a. Preliminary wall stability check has indicated this pile toe level. To be refined once supplementary site investigation is completed.
- b. Based on a ground level of +27.00mOD and limited to +14.50mOD by the proposed Crossrail 2 works.
- c. Vertical and Horizontal movements at the wall at ground level.
- d. Vertical and Horizontal movements at the Qube, assuming the depth of “The Qube” is some 2.5mbgl¹¹.










8.5 Ground Movements Arising from Wall Deflection

Lateral ground movements and settlements are generated during the stages of excavation in front of the secant piled wall. Lateral ground movements due to excavation have been calculated using the commercial software WALLAP. Maximum ground settlement behind the wall is expected to be half the maximum horizontal wall deflection based on analysis reported in CIRIA C760²⁴.

²⁵ Prediction of party wall movements using CIRIA Report C580. R. Ball, N. Langdon, M. Creighton (2014).

8.5.1 WALLAP Assumptions

The WALLAP analysis has been undertaken based on the general assumptions as described below:

-  Serviceability limit state (SLS) criteria have been used to determine wall deflections.
-  The design of the secant piled wall is governed by stability and not axial capacity requirements. Hence, the toe level is taken at +18.00mOD for sections CS1 to CS3 and at +16.00mOD for section CS4.
-  For the short-term analysis, undrained parameters have been used for the London Clay Formation. Drained parameters have been adopted in the long-term permanent condition analysis.
-  As recommended in CIRIA 760²⁴, for a non-load bearing retaining wall, a wall friction coefficient of 0.5 and 0 has been used in the short- and long-term for the London Clay Formation. However, a wall friction coefficient of 1 has been used for the Lynch Hill Gravels and the Made Ground both in the short- and in the long-term.
-  An accidental over dig of 500mm has been allowed for in the ULS condition.
-  Secant piled wall to be sufficiently propped during basement excavation to limit wall deflections. A single high-level temporary prop (+27.50mOD) has been assumed within the model.
-  Groundwater is assumed to be within the Lynch Hill Gravel horizon at a design water level of +23.62mOD with hydrostatic pore water pressure profile being applied at this depth within the model;
-  A permanent 0.6m thick ground floor slab²⁶ and a permanent 0.75m thick B1 slab⁷ have been modelled with a long-term concrete Young's Modulus of 15GPa;
-  Hard/Firm secant pile wall with male piles of 600mm diameter at 750mm spacing have been modelled with an initial moment of inertia of $0.00848\text{m}^4/\text{m}$ (I_{gross}) and EI per unit length of wall $237504\text{kN/m}^2/\text{m}$. In accordance with recommendations in CIRIA 760²⁴, the following cracked section moduli have been adopted over the lifetime of the wall:
 - Construction stage – Cracked Section Modulus = $0.7 \times EI_{\text{gross}}$
 - Long-term – Cracked Section Modulus = $0.5 \times EI_{\text{gross}}$

²⁶ Piercy & Company (October 2020). Proposed North South Section 01. Ref. 13538-A-S01-04-200.

Table 8. Secant Piled Wall Properties Summary

Secant Piled Wall	Second moment of area, I _{gross} (m ⁴ /m run)	Young Modulus EC (kN/m ²)	Stiffness Elgross (kNm ² /m run)	Stiffness Elgross (kNm ² /m run) Construction Stage	Stiffness Elgross (kNm ² /m run) Long-Term stage
600mm at 750mm c/c	0.00848	2.8x10 ⁷	2.375x10 ⁵	1.663x10 ⁵	1.119x10 ⁵

Assumed surcharge pressures for the critical sections are detailed in Table 9 below.

Table 9. Summary of Assumed Surcharge Pressures

Sections	Description	Unfactored Load (kN/m ²) (- Unload) (+ Load) [Assumed Footing Depth]
CS1, CS2 & CS3	Pavement surcharge of 5kPa, located 0.10m from proposed secant piled wall line.	+5kPa [0.0mbgl; +27.00mOD]
CS1, CS2 & CS3	Roadway surcharge of 20kPa, located 5.10m from proposed secant piled wall line.	+20kPa [0.0mbgl; +27.00mOD]
CS4 ^a	Footing of the neighbouring The Qube (six-storey & single basement), located at 0.5m from the northern secant piled wall line.	+105kPa (footprint pressure) [+2.5mbgl; +24.36mOD] ¹¹

Notes:

a. This is modelled as a conservative blanket load assuming 15kPa/storey over a 10x10 footprint area.

The temporary propping frame properties are conservatively assumed based on information from relevant CGL's experience of similar works. Strut properties for B1 and GF slabs, however, are in line with structural information provided by Elliot Wood^{7,26}.

The following temporary and permanent strut properties have been adopted.

Table 10. Summary of temporary and permanent strut properties^c

Struts	Strut elevation [mOD]	Strut Spacing [m]	X-section area of strut [m ²]	Young Modulus [kN/m ²]	Free Length [m]	Strut inclination [°]
High Temp. Prop	+27.50	1	1	40000 ^a	1	0
Proposed B1 slab ^b	+21.98	1	0.600	1.5 x10 ⁷	25 ^d	0
Proposed GF slab ^b	+26.70	1	0.750	1.5 x10 ⁷	25 ^d	0

Notes:

- WALLAP assumes that struts provide an elastic support with a spring constant per unit length of the wall. A typical conventional industry standard value (and CGL experience of similar works) has been assumed for the temporary prop in absence of further information, keeping the rest of the properties equal to 1.
- Proposed B1 and GF slabs have been assumed based on structural information provided by Elliot Wood.
- The pertinent results (displacements) from the preliminary analysis are not particularly sensitive to the typical values adopted.
- Assumed half of the basement width.

The following construction sequence has been assumed:

1. Apply surcharge loading (highways and party wall – if applicable);
2. Install secant piled retaining wall from PPL at ~27mOD;
3. Reduce wall stiffness to 70% short-term stiffness (EI_{70});
4. Install high level temporary propping frame at +27.50mOD;
5. Excavate on passive side of wall to proposed B1 formation level (+21.61mOD) and install B1 raft slab (centreline of the 750mm thick raft at +21.98mOD);
6. Install proposed ground floor slab (centre line of the 600mm thick slab at +26.70mOD);
7. Remove high temporary prop at +27.50mOD;
8. Reduce wall stiffness to 50% short-term stiffness (EI_{50}); and,
9. Apply long-term ground and groundwater conditions.

8.5.2 WALLAP Results

Values for the maximum displacements of the wall and the corresponding horizontal deflections anticipated at +27.00mOD for CS1 to CS3 and at +24.36mOD for CS4, considering the combined effect of the installation of the piled wall and its deflection due to the proposed excavation works, are summarised in Table 11 below. Maximum ground settlement behind the wall is expected to be half the maximum horizontal wall deflection based on analyses reported in CIRIA C760²⁴.

A summary of the WALLAP analysis is summarised in Table 11 below and is described in detail in Appendix C.

Table 11. Combined Pile Wall Installation & Deflection Movements from WALLAP

Critical Section	Maximum SLS Pile Wall Deflection (mm)	Level of Maximum Deflection (mOD)	Horizontal deflection at the start of adjacent structure inclusive of pile install movements (mm) ^a	Vertical settlement at the start of the adjacent structure inclusive of pile install movements (mm) ^a
CS1 – Tottenham Court Road	6	+24.06	3.8 ^b	2.8 ^b
CS2 – Howland Street				
CS3 – Whitfield Street				
CS4 – The Qube	9	+20.40	7.3 ^c	5.7 ^c

Notes:

- a. Horizontal deflections and vertical movements have been computed based on deflections at +27.00mOD and +24.5mOD for the roads and “The Qube”, respectively.
- b. Assumed at 0m behind the proposed secant piled wall.
- c. Assumed at 0.5m behind the proposed secant piled wall.

Regarding the predicted wall displacements that may be expected during excavation, it should be noted that WALLAP uses a Winkler Spring analysis to determine the wall displacements. In a Winkler medium, springs are used to represent a continuum and there is no transfer of shear stresses between the springs. In general, the application of this concept leads to an overestimation of structural deformations and consequently, ground movements.

8.6 Ground Movements due to demolition, excavation & construction

8.6.1 Introduction

The analysis has been undertaken using OASYS Limited PDISP (Pressure Induced DISplacement) software to model potential vertical displacements induced by the enabling works (demolition and backfilling), basement excavation and applied new structural loading associated with the proposed development. PDISP assumes that the ground behaves as an elastic material under loading, with movements calculated based on the applied loads (kPa), soil stiffness (E' and E_u) and Poisson's Ratio (ν' and ν_u) for each soil stratum. The rigid boundary in the analysis has been taken at -10.00mOD, approximately 37m below ground level and 30m below the formation level of the proposed basement.

The following analysis stages have been analysed:

1. **Enabling Works** (including demolition of existing building and infilling of the existing basement) – short-term condition (undrained analysis)
2. **Enabling Works & Excavation** – short-term condition (undrained analysis)
3. **Enabling Works, Excavation & Construction** – short-term condition (undrained analysis)
4. **Enabling Works, Excavation & Construction** – long-term net loading condition (drained analysis)

The analysis stages outlined above have been considered for the calculation of vertical (z-axis) movements for the CS1 to CS4 defined in section 8.4. Displacements for the different analysis stages have been calculated based on anticipated demolition works, proposed excavation and construction loads, discussed in the following section 8.8.2.

8.6.2 Loading Assessment

The existing and proposed structural loading information has been provided by Elliot Wood and is presented in Appendix B. Table 12 summarises the net loading/unloading pressures adopted to account for the proposed enabling works that would take place prior to the excavation of the proposed basement. These enabling works would include the demolition of the existing building and the subsequent infilling of the existing basement.

Ten distinct areas have been defined based on the current information of the existing building provided by Elliot Wood²⁷ and are displayed in Figure 5. These pressures have been estimated assuming an existing basement formation level of +24.92mOD, a post-enabling works ground level of +27.00mOD and a soil bulk unit weight of 20kN/m³, combined with zonal demolition unloads provided by Elliot Wood²⁷.

²⁷ Elliot Wood Partnership LLP (October 2020). Summary of existing loads. Ref. 2170754.

Table 12. Summary of Unloading Conditions due to the Enabling Works

Demolition Areas	Formation Level (mOD)	Existing Building Demolition Unload (kPa) ^h	Existing Basement Infilling Load (kPa) ^h	Net Load (kPa) ^h
Enabling Works 1.1 ^a	+24.92 ^g	-23.00	41.6	18.6
Enabling Works 1.2 ^a	+24.92 ^g	-23.00	41.6	18.6
Enabling Works 2 ^b	+24.92 ^g	-30.00	41.60	11.60
Enabling Works 3 ^c	+24.92 ^g	-41.00	41.60	0.60
Enabling Works 4 ^d	+24.92 ^g	-53.00	41.60	-11.40
Enabling Works 5.1 ^e	+27.00	-52.00	0.00	-52.00
Enabling Works 5.2 ^e	+27.00	-52.00	0.00	-52.00
Enabling Works 5.3 ^e	+27.00	-52.00	0.00	-52.00
Enabling Works 6.1 ^f	+24.92 ^g	-60.00	41.60	-18.40
Enabling Works 6.2 ^f	+24.92 ^g	-60.00	41.60	-18.40

Notes:

- This corresponds to the demolition of one existing storey and the demolition and infilling of a single basement level.
- This corresponds to the demolition of two existing storeys and the demolition and infilling of a single basement level.
- This corresponds to the demolition of four existing storeys and the demolition and infilling of a single basement level.
- This corresponds to the demolition of five existing storeys and the demolition and infilling of a single basement level.
- This corresponds to the demolition of six existing storeys.
- This corresponds to the demolition of six existing storeys and the demolition and infilling of a single basement level.
- Based on the SSL of the existing B1 being +25.17mOD and the thickness of the B1 slab being 250mm⁴
- ve indicates unloading/+ve indicates loading

Table 13 below summarises the unloading pressures adopted to account for the proposed single-level basement excavation. These have been derived based on a post-enabling works ground level of +27.00mOD, a soil bulk unit weight of 20 kN/m³ and a proposed formation level of +21.61mOD. These excavation unloads have been adopted as a conservative and rationalised assumption to suit appropriate input into our analysis models. The plan extent of the unloading areas due to the proposed excavation works is illustrated in Figure 6.

Table 13. Summary of Unloading Conditions due to Excavation

Basement Area	Post-demolition ground level (mOD)	Proposed Excavation Level (mOD)	Excavation Load (kPa) ^{a,b}
B1 - Excavation A B1 - Excavation B B1 - Excavation C B1 - Excavation D B1 - Excavation F B1 - Excavation G B1 - Excavation H Lift Pit - Excavation ^c	+27.00	+21.61	-107.8

Notes:

- Negative values indicate unloading.
- The unit weight of the gravels is assumed to be 19 kN/m³ while the adopted unit weight of the London Clay is 21 kN/m³. Since both materials will be excavated, an average of 20 kN/m³ has been used to calculate the excavation unloads for simplicity.
- There was no information available at the time of writing the report with regards to the deeper formation level of the lift pits; hence, a deeper localized excavation for the lift pit has not been included in the analysis.

For this preliminary assessment, the unfactored structural loads provided by Elliot Wood²⁸ are assumed to be supported by a raft foundation. It is understood that the sum of the column and core wall loads to be supported on the ground bearing B1 raft slab have been evenly distributed over one loading zone (divided into four distinct areas). The proposed loading areas, the modelled formation level and the proposed construction load pressures are outlined in Table 14 below and illustrated in Figure 7.

Table 14. Summary of the Proposed B1 Raft Loading Condition

Loading Area	Formation Level (mOD)	Design pressure (kPa)
B1 – Construction 1 to 3 Lift Pit - Construction	+21.61	90

8.7 Ground Movement Assessment Methodology

The soils at existing building ground formation level will be subject to either heave or settlement depending on whether net loading/unloading occurs due to the enabling works. Soils at proposed basement raft foundation level will be subject to stress relief during excavation to proposed B1 formation, followed by an increase in load associated with the proposed building superstructure development and raft loading.

A serviceability limit state (SLS) analysis has been undertaken for the stages defined in Section 8.8.1, using geotechnical soil parameters outlined in Table 6. Displacement lines have been added to the analysis model corresponding to the line and level of the critical sections outlined in Section 8.4. The analysis output is discussed separately for each GMA stage in the following sections below.

The *PDISP* output in Appendix D.

8.8 Ground Movements Arising from Enabling Works & Excavation

A short-term vertical ground movement assessment has been undertaken to assess heave due to excavation unloading inclusive of the enabling works, applying undrained (short-term) geotechnical soil parameters.

Results of the analysis predict a maximum short-term heave of approximately 16mm to 18mm at the central single level basement raft area at a formation level of +21.61mOD. This maximum heave reduces to approximately 10.0mm to 14.0mm of heave along the entire perimeter of the proposed basement.

²⁸ Elliot Wood (October 2020). Summary of proposed loads. Ref. 2170754.

Vertical ground movements due to demolition and excavation reduce to negligible movements <1mm at distances of approximately 6m to 8m east and west of the basement perimeter and approximately 7m to 9m north and south of the basement perimeter.

A vertical ground movement contour plot illustrating short-term heave movements due to total unloading, inclusive of demolition and excavation unloading, is presented as Figure 8.

8.9 Ground Movements Arising from Construction

A degree of settlement is also anticipated to occur due to the application of proposed structural loads within the proposed raft structure. This net loading effect is assessed in both the short term and long-term case at the proposed raft formation level of +21.61mOD, using undrained and drained soil parameters, respectively.

8.9.1 Ground Movements Arising from Net Loading– Short-Term

Maximum short-term heave due to net loading is mainly identified over the eastern raft area and it is anticipated to be approximately 7mm to 8mm of heave. This is most likely associated with the greatest combined demolition and excavation unload taking place in that area. A value between 3mm to 6mm of short-term heave due to net loading is present in the remaining raft areas.

Vertical ground movements due to net loading reduce to negligible movements <1mm at distances of approximately 6m to 10m east and west of the basement perimeter and approximately 7m to 9m north and south of the basement perimeter.

A vertical ground movement contour plot illustrating short-term heave due to net loading (including demolition, excavation and proposed loading) at the proposed formation level of +21.61mOD is illustrated in Figure 9.

8.9.2 Ground Movements Arising from Net Loading – Long-Term

Maximum long-term total movement due to net loading is located in the eastern raft area and it is anticipated to be approximately 14mm to 16mm heave at +21.61mOD. A value between 8mm to 12mm of long-term heave due to net loading is present in the remaining raft areas. Heave movements decrease to approximately 6mm at the raft perimeters.

A vertical ground movement contour plot illustrating long-term heave due to net loading (including demolition, excavation and proposed loading) at the proposed raft formation level of +21.61mOD is illustrated in Figure 10.

9. BUILDING DAMAGE ASSESSMENT

9.1 Introduction

The calculated ground movements have been used to assess potential ‘damage categories’ that may apply to neighbouring properties due to the proposed basement construction and assumed construction sequence. The methodology proposed by Burland and Wroth²⁹ and later supplemented by the work of Boscardin and Cording³⁰ has been used, as described in *CIRIA Special Publication 200*³¹ and *CIRIA C76024*. General damage categories are summarised in Table 15 below:

Table 15. Classification of Damage Visible to Walls (Reproduction of Table 2.5, CIRIA C760²⁴)

Category	Description
0 (Negligible)	Negligible – hairline cracks.
1 (Very Slight)	Fine cracks that can easily be treated during normal decoration (crack width <1mm).
2 (Slight)	Cracks easily filled, redecoration probably required. Some repointing may be required externally (crack width <5mm).
3 (Moderate)	The cracks require some opening up and can be patched by a mason. Recurrent cracks can be masked by suitable linings. Repointing of external brickwork and possibly a small amount of brickwork to be replaced (crack width 5-15mm or a number of cracks > 3mm).
4 (Severe)	Extensive repair work involving breaking-out and replacing sections of walls, especially over doors and windows (crack width 15-25mm but also depends on number of cracks).
5 (Very Severe)	This requires a major repair involving partial or complete re-building (crack width usually >25mm but depends on number of cracks).

The above criteria are primarily relevant for assessing masonry structures founded on strip footings. The assessment assumes that the neighbouring properties are fully flexible and deform to follow the profile of the ground i.e. wall stiffness is ignored. These assumptions are considered to be conservative for the purpose of this assessment. According to Skempton and MacDonald (1956)³², the differential movement criteria typical for limiting damage to structural elements is 1 in 500.

The resulting ground movements that may affect the critical neighbouring property are derived from the enabling works, installation of the secant piled wall, basement excavation works and resulting wall

²⁹ Burland, J.B., and Wroth, C.P. (1974). *Settlement of buildings and associated damage, State of the art review. Conf on Settlement of Structures, Cambridge, Pentech Press, London, pp611-654*

³⁰ Boscardin, M.D., and Cording, E.G., (1989). *Building response to excavation induced settlement. J Geotech Eng, ASCE, 115 (1); pp 1-21*

³¹ Burland, Standing J.R., and Jardine F.M. (eds) (2001), *Building response to tunnelling, case studies from construction of the Jubilee Line Extension London, CIRIA Special Publication 200*

³² Skempton, A.W and MacDonald, D.H (1956). *Allowable settlement of buildings. Proceedings of the Institute of Civil Engineers, 3, Vol. 5, pp 727-768.*

deflections and construction loads in the short and long-term condition. Wall installation and deflection movements were discussed in Sections 8.6 & 8.7, respectively. The remaining ground movements due to enabling works, excavation and construction works have been obtained from a PDisp analysis, based on anticipated enabling works and proposed excavation and construction loads, discussed in Sections 8.10 & 8.11 of this report.

To capture the ground movements affecting the critical assets in the vicinity, four displacement lines with 1 metre intervals, described in section 8.4 and presented in Figure 2, have been modelled. Adopted length, height and width of the critical neighbouring buildings/assets have been summarised in Table 5.

The resulting ground movement profiles have been used to calculate the deflection ratio and horizontal strain imposed on the structure. These have been plotted on the corresponding damage assessment interaction diagram to determine the Damage Category of the critical buildings.

9.2 Impact Assessment – Tottenham Court Road (CS1)

Combined vertical profiles at +27.00mOD for the road are presented in Figure 11 and horizontal movements due to installation and deflection of the secant wall are shown in Figure 12. It can be observed that the worst-case movements at +27.00mOD are anticipated to occur over the construction stage in the long-term condition. Approximately, 11mm of heave is expected below Tottenham Court Road at +27.00mOD whereas almost 1mm of settlement is expected on the opposite end of the road at the same level.

A maximum horizontal movement of 4mm and almost 0mm is anticipated under Tottenham Court Road at +27.00mOD, 0m and 20m away from the proposed basement, respectively. This accounts for horizontal ground movements induced by installation of the secant piled wall and the deflection of the wall due to the proposed excavation works.

These values are not expected to significantly affect the roadway and are considered to be within acceptable limits.

9.3 Impact Assessment – Howland Street (CS2)

Combined vertical profiles at +27.00mOD for the road are presented in Figure 13 and horizontal movements due to installation and deflection of the secant wall are shown in Figure 14. It can be observed that the worst-case movements at +27.00mOD are anticipated to occur over the excavation stage in the short-term condition. Approximately, 4mm of heave is expected below Howland Street at +27.00mOD whereas 2mm of settlement is expected on the opposite end of the road at the same level. The maximum heave of 4mm is predicted during the excavation stage immediately adjacent to the

proposed basement. The maximum settlement of ~4mm is predicted during the short-term construction stage, also immediately adjacent to the proposed basement.

A maximum horizontal movement of 4mm and almost 1mm is anticipated under Howland Street at +27.00mOD, 0m and 15m away from the proposed basement, respectively. This accounts for horizontal ground movements induced by installation of the secant piled wall and the deflection of the wall due to the proposed excavation works.

These values are not expected to significantly affect the roadway and are considered to be within acceptable limits.

9.4 Impact Assessment – Whitfield Street (CS3)

Combined vertical profiles at +27.00mOD for the road are presented in Figure 15 and horizontal movements due to installation and deflection of the secant wall are shown in Figure 16. It can be observed that the worst-case movements at +27.00mOD are anticipated to occur over the excavation stage in the short-term condition. Approximately, 6mm of heave is expected below Whitfield Street at +27.00mOD whereas 2mm of settlement is expected on the opposite end of the road at the same level.

A maximum horizontal movement of 4mm and almost 0mm is anticipated under Whitfield Street at +27.00mOD, 0m and 10m away from the proposed basement, respectively. This accounts for horizontal ground movements induced by installation of the secant piled wall and the deflection of the wall due to the proposed excavation works.

These values are not expected to significantly affect the roadway and are considered to be within acceptable limits.

9.5 Impact Assessment – The Qube (CS4)

Combined vertical profiles at foundation level are presented in Figure 17 and horizontal movements due to installation and deflection of the secant wall are shown in Figure 18.

It can be observed that the worst-case vertical movements at foundation level are anticipated to occur over the excavation stage. Approximately, 5mm of heave is expected below “The Qube” at +24.36mOD 0.5m away from the proposed basement whereas almost no vertical displacement is expected on the opposite end of the building at the same level. A maximum deflection of 6.5mm that results in a deflection ratio of **0.013%** is anticipated.

A total maximum horizontal movement of approximately 7mm is predicted under “The Qube” at +24.36mOD, 0.5m away from the proposed basement. Horizontal movements tend to 0mm some 21m

away from the proposed basement. Hence, this results in a horizontal strain of some **0.036%**, over the length along which the strains are maximum (0.5m and 21m away from the proposed basement).

The maximum differential settlement anticipated is approximately 5.5mm, which corresponds to an angular distortion of **~1/3780** over the length along which the strain is maximum. This value is well within the acceptable published limits³² for preventing excess cracking and damage to load bearing walls and partitions.

The computed values of deflection ratio and horizontal strain correspond to a Damage Category 1 (slight). The corresponding Damage Assessment Plot is presented in Figure 19 for L/H = 1.78.

Table 16 below summarises the ground movements and corresponding damage category for The Qube.

Table 16. The Qube Summary

Building	Façade Dimensions L/H ^d	Calculated Maximum Deflection (mm)	Net Horizontal Movement (mm)	Angular Distortion	Deflection Ratio Δ/L^a (%)	Horizontal Strain δ_h/L^b (%)	Damage Category
The Qube	1.78	6.5	7.3	1/3780 ^c	0.013	0.036 ^c	1 (slight)

Notes:

- See Figure 2.18 (a) CIRIA C760 (2017) Guidance on embedded retaining wall design. (L = length of adjacent structure in metres, perpendicular to basement; Δ = relative deflection)
- See Box 2.5 (v) CIRIA C760 (2017) Guidance on embedded retaining wall design. (δ_h = horizontal movement in metres)
- Length used to calculate this is 13m (between 2 and 15m from proposed basement), the length over anticipated strains are maximum
- Measured vertically from Figure 17.

10. CONSTRUCTION MONITORING

The results of the ground movement analysis suggest that with good construction control, maximum damage to the critical neighbouring building, i.e. “The Qube”, generated by the assumed construction methods and sequence can be controlled to within Category 1 ‘Very Slight Damage’. The proposed works are not expected to significantly affect Tottenham Court Road, Howland Street and Whitfield Street either.

A formal monitoring strategy should be implemented on site in order to observe and control ground movements during construction.







The system should operate broadly in accordance with the ‘Observational Method’ as defined in CIRIA Report 185³³. Monitoring can be undertaken by installing survey targets on the faces of the adjacent structures. Baseline values should be established prior to commencement of works. Monitoring of these targets should be carried out at regular time intervals and the results should be analysed to determine if unacceptable horizontal translation of the wall or tilt/settlement of the neighbouring walls is occurring. Regular monitoring of these targets will allow ground movement trends to be detected in a timely manner such that mitigation strategies may be implemented if required.

Monitoring data should be checked against predefined trigger limits and reviewed regularly to assess and manage the damage category of the adjacent buildings as construction progresses.


It is recommended that a condition survey is undertaken on all adjacent walls and property facades prior to the works commencing and ideally when monitoring baseline values are established. Existing cracks or structural defects should be carefully recorded, documented and regularly inspected as construction progresses.


³³ Nicholson, D., Tse, Che-Ming., Penny, C., The Observational Method in ground engineering: principles and applications, CIRIA report R185, 1999.


11. NON-TECHNICAL SUMMARY


-  The findings of this Preliminary Basement Impact Assessment are informed by the site investigation undertaken by CGL and the proposed construction sequence and loading information provided by Elliot Wood. This should be updated, as part of the final Basement Impact Assessment, based on the findings of the supplementary site investigation proposed in Section 6, required to confirm the foundation depth and geometry of the party wall building, to validate the ground and groundwater conditions encountered during phase 1 of the investigation and to evaluate the construction and thickness of the perimeter wall and floor slabs in the eastern side of the existing building;
-  The construction of the basement will generate ground movements due to a variety of causes including short-term vertical movements due to enabling works and excavation; ground movements due to secant pile installation and deflection; ground movements due to the application of net structural loads both in the short and long-term conditions; and long-term ground movements as a result of pore pressures re-equilibrating within the London Clay Formation over time;
-  Based on the findings of the assessment undertaken it is considered that the proposed basement development will have a negligible effect on groundwater flow, surface water and flooding at this site.
-  A detailed ground movement analysis has been carried out using OASYS Limited PDISP (Pressure Induced DISplacement) and WALLAP analysis software, to determine the potential impact of the proposed development on the adjacent neighbouring buildings/roadways.
-  Structural information provided by Elliot Wood suggests the presence of a stepped basement under “The Qube”; however, the foundation levels are not confirmed. The SSL of the shallower section of the stepped basement is located at approximately +24.36mOD; while the SSL of the deeper section is unknown. Therefore, pending the confirmation of the above foundation levels, for the purpose of this report a foundation level of +24.36mOD has been assumed.
-  A Building Impact Assessment has been undertaken to one neighbouring building and three roads. An assessment of the results of the detailed ground movement analysis and displacement profiles of the above indicate that, with good construction and groundwater control¹⁰ and high level of workmanship, these movements can be controlled to within damage category 1 (very slight) for “The Qube” according to Burland and Wroth (1974)²⁹ and Boscardin and Cording

(1989)³⁰. This damage category is within allowable limits as specified by Camden's *Camden Planning Guidance: Basements (CPG) March 2018*. The impact of the proposed works on the neighbouring roads is also deemed to be acceptable.

 It is recommended that a condition survey is undertaken and an appropriate monitoring regime is adopted to manage risk and potential damage to neighbouring structures as construction progresses onsite, however the details of the methodology will be developed with the party wall surveyors prior to construction commencing. It is not appropriate at this stage to incorporate a detailed methodology for monitoring, which for practical reasons may ultimately conflict with that proposed and agreed between the PW surveyors.

 Residual impacts: the proposed basement is not expected to effect groundwater and will be designed and constructed in order to mitigate against the potential impacts to surface water and ground movements. It is anticipated that there will be no long-term impact on groundwater, surface water and flooding, and the effects of long-term heave/settlement are 'very slight' as demonstrated by the ground movement analysis.


 Cumulative impacts: It is anticipated that water will flow around and below the proposed basement due to relatively high lateral permeability within the Lynch Hill Gravel Member, and is therefore unlikely to impact surrounding properties and have a negligible impact on groundwater flow or level in the vicinity of the site. There is 'very slight' potential for a cumulative impact on groundwater levels resulting from the basement excavation.

 It should be noted that the impact assessments on Thames Water (TW) and London Underground Limited (LUL) assets is beyond the scope of this Basement Impact Assessment (BIA) report. However, these impact assessment will likely be required and undertaken at a later date under separate cover and following appropriate correspondence with the relevant asset operators.

FIGURES








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Client Derwent Valley Property Developments Ltd	Project The Network Building	Job No CGL/09528
	Title Site Location Plan	Figure 1



KEY

-  Borehole
-  Trial Pit
-  Extent of Existing Basement
SSL: 25.17mOD
FL: 24.92mOD
-  Extent of Proposed Basement
SSL: 22.36mOD
FL: 21.61mOD
-  Critical Section Line

Notes

1. Do not scaling from drawing.
2. Extent of proposed basement taken from Piercy & Company drawing '13538-A-01-099' (16/10/20).
3. SSL = Structural Slab Level
4. FL = Formation Level
5. mOD = metres above Ordnance Datum

P02	19/02/21	Amended to show latest proposed basement layout
P01	16/10/20	-
Rev	Date	Comments



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Project **The Network Building**

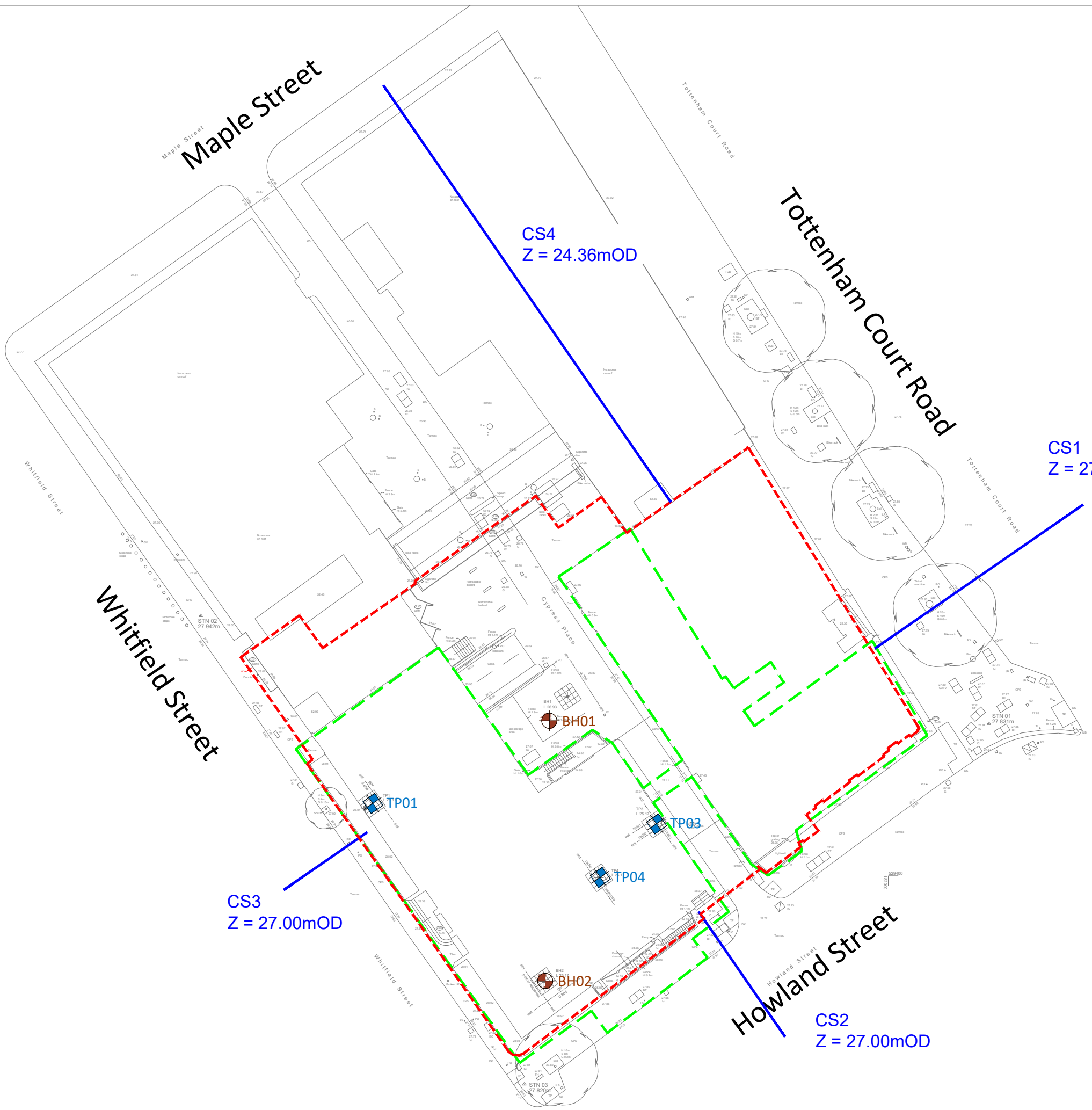
Client **Derwent Valley Property Developments Ltd**

Drawing title **Figure 2 - Site Layout Plan**

Scale(s) **NTS** Job No. **CGL/09528**

Drawn	TSB	19/02/21	Dwg No.	CGL/09528-002	Rev.
Checked	JMS	19/02/21			P02
Approved	MPC	19/02/21			

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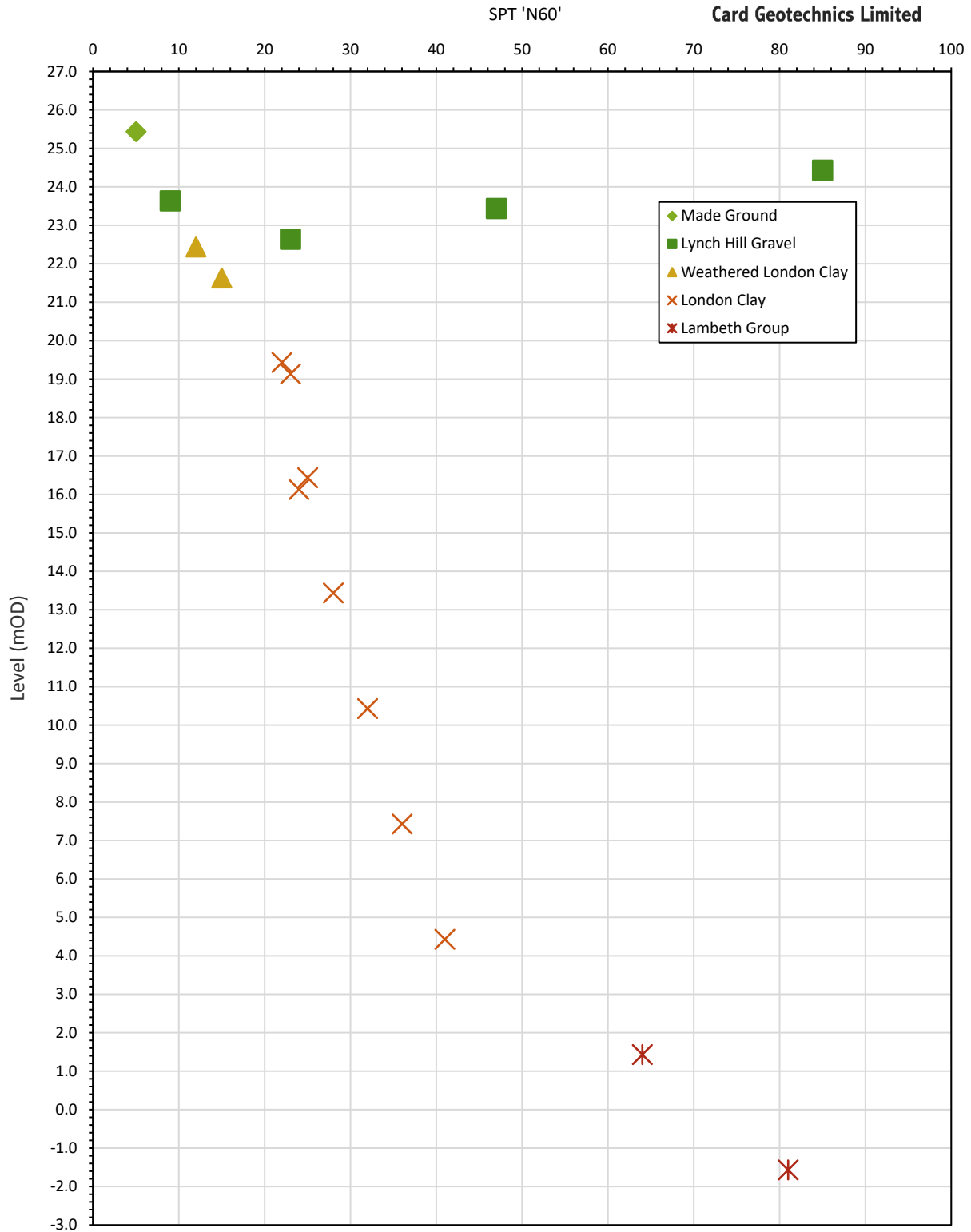


CS4
Z = 24.36mOD

CS1
Z = 27.00mOD

CS3
Z = 27.00mOD

CS2
Z = 27.00mOD



Client
**Derwent Valley Property
Developments Ltd**

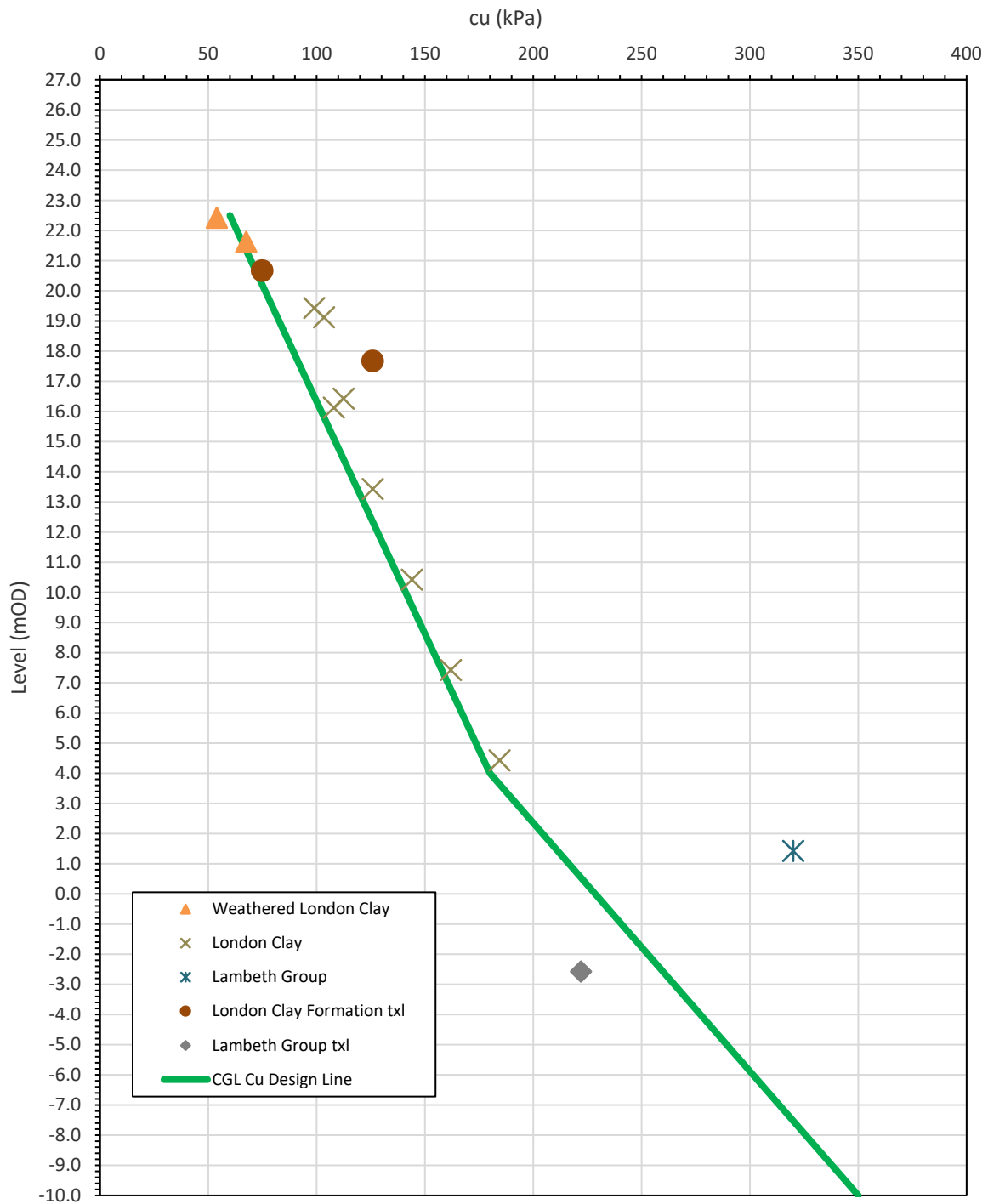
Project
The Network Building


Job No
CGL/09528

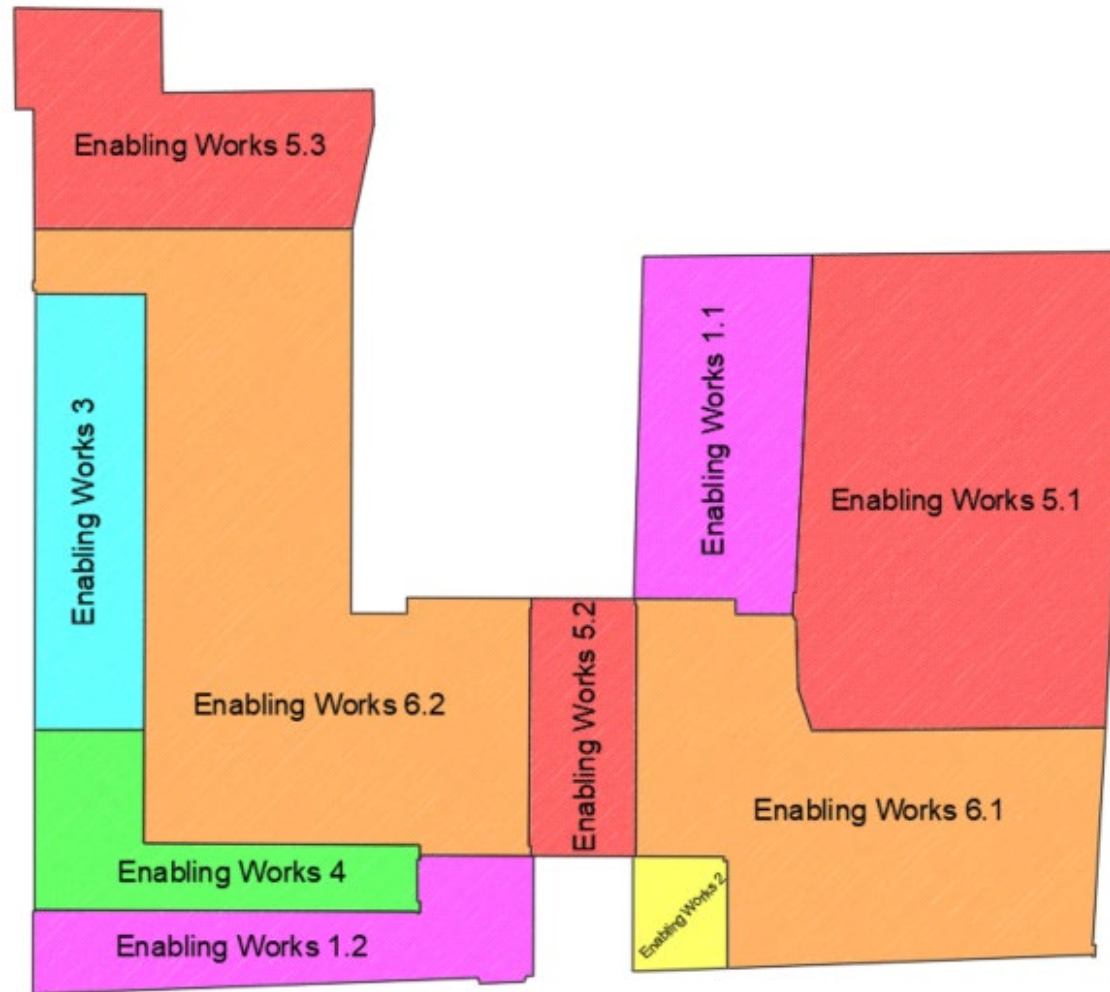


Title
**Standard Penetration Test (SPT)
'N60' Value versus Level (mOD)**

Figure 3



Client Derwent Valley Property Developments Ltd	Project The Network Building	Job No CGL/09528
	Title Undrained Shear Strength (cu) versus Level (mOD)	Figure 4



Client
**Derwent Valley Property
 Developments Ltd**

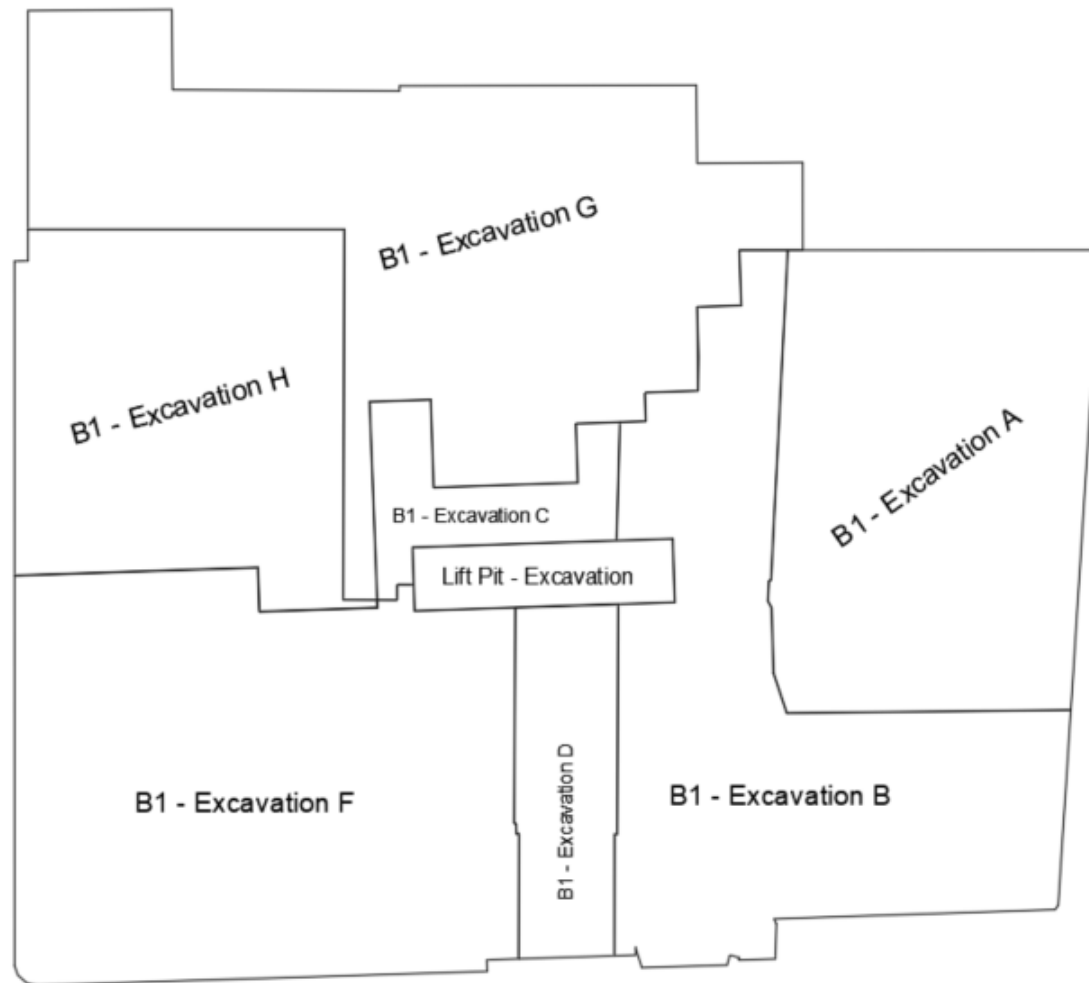
Project
The Network Building


Job No
CGL/09528

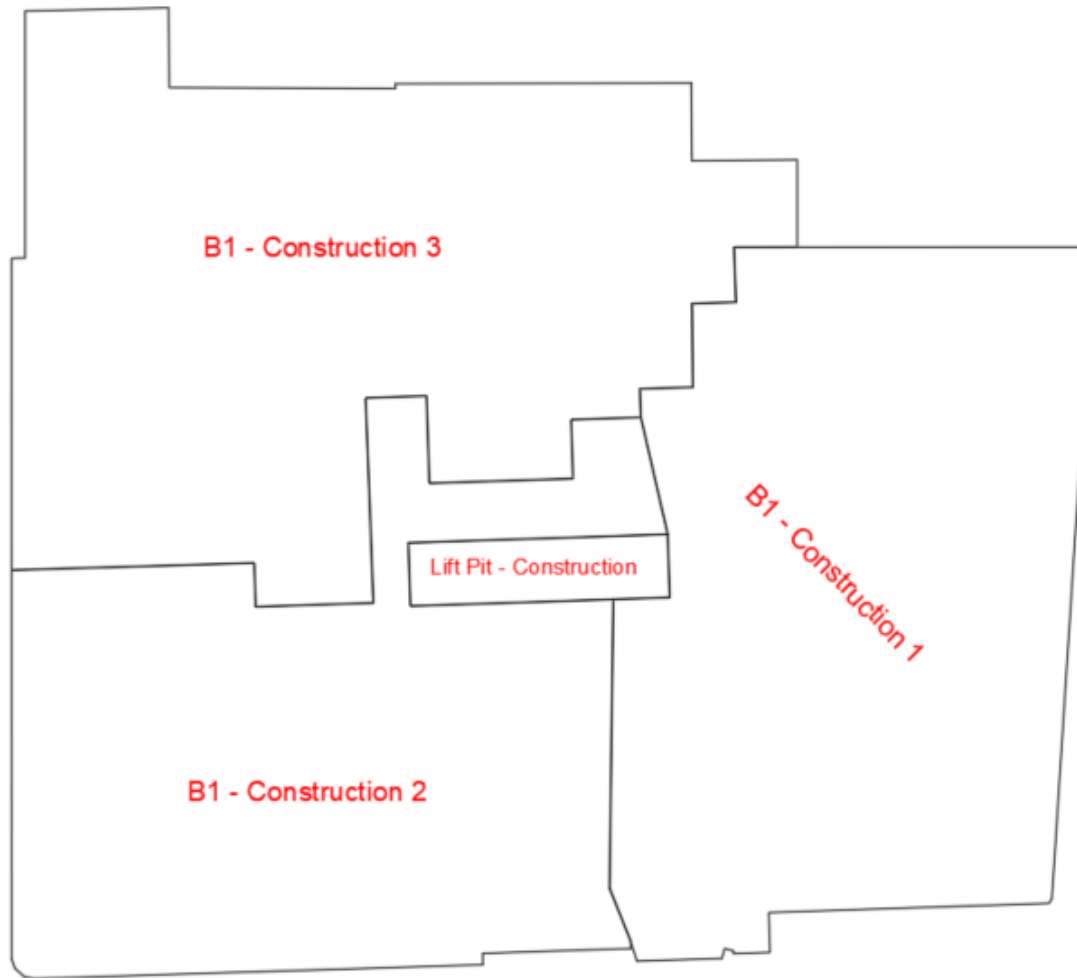


Title
Load Area Plan – Proposed Demolition Unloading

Figure 5



Client Derwent Valley Property Developments Ltd	Project <p style="text-align: center;">The Network Building</p>	Job No <p style="text-align: center;">CGL/09528</p>
	Title <p style="text-align: center;">Load Area Plan – Proposed Excavation Unloading</p>	<p style="text-align: center;">Figure 6</p>



Client
**Derwent Valley Property
 Developments Ltd**

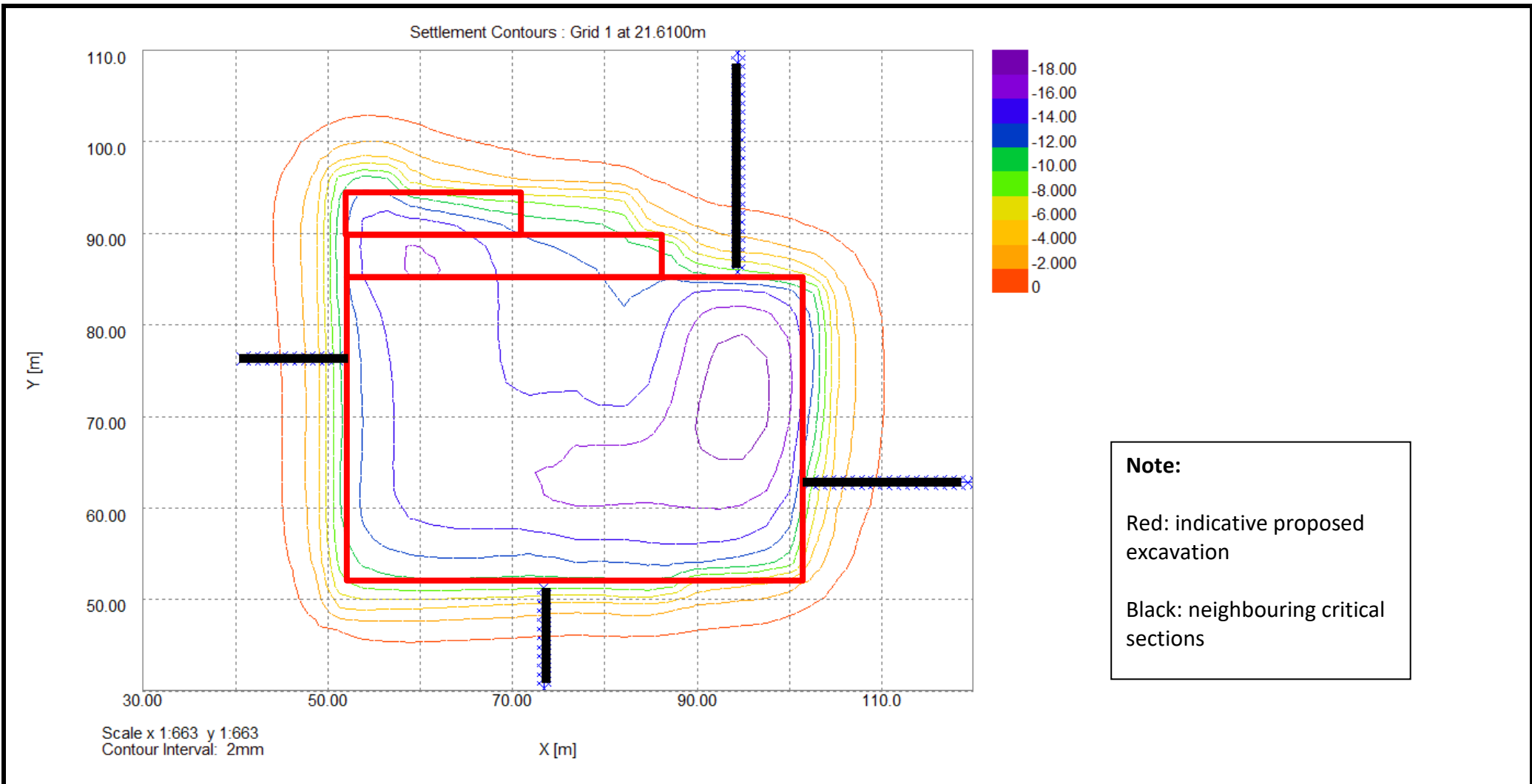
Project
The Network Building

Job No
CGL/09528

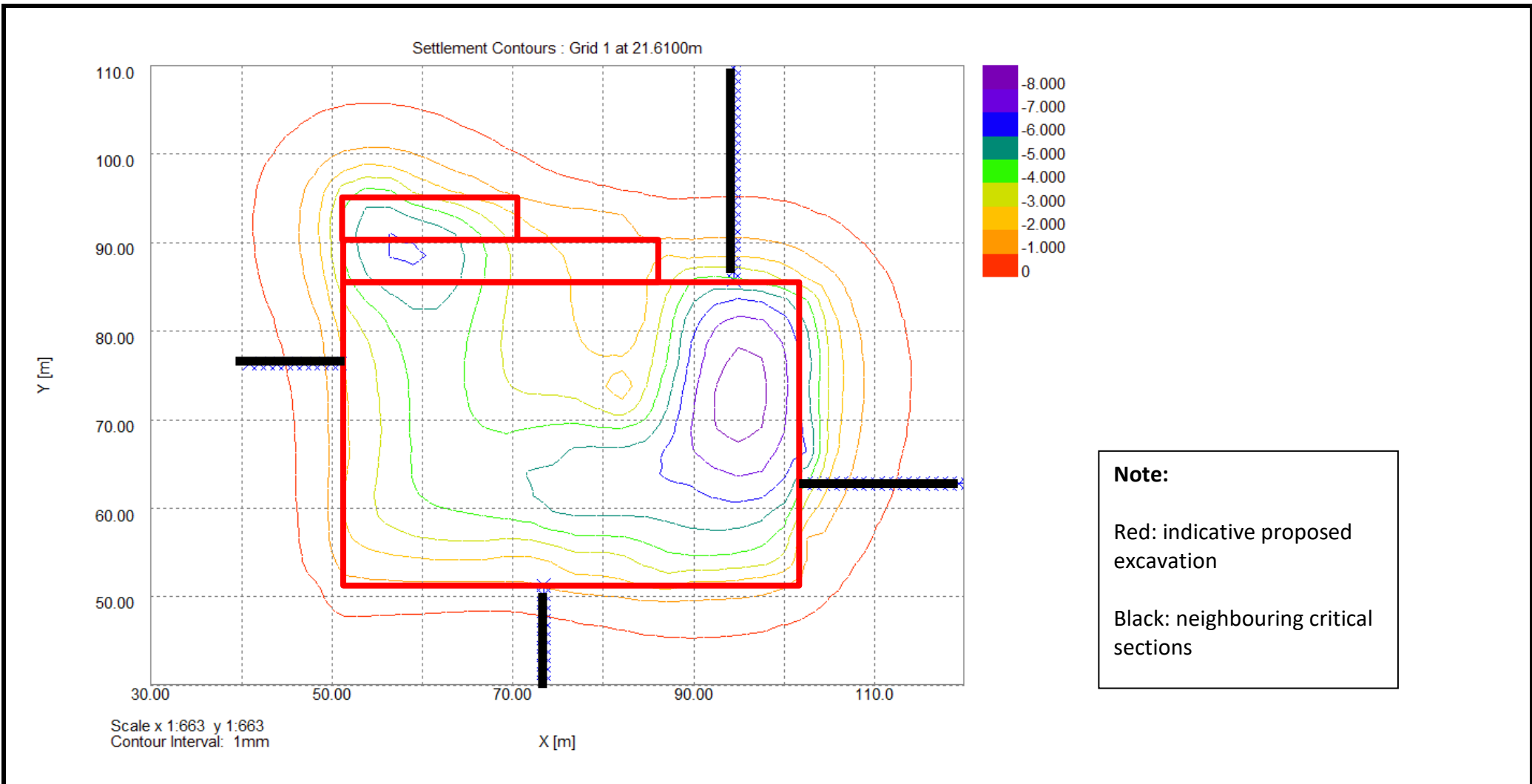



Title
Load Area Plan – Proposed Construction Loading

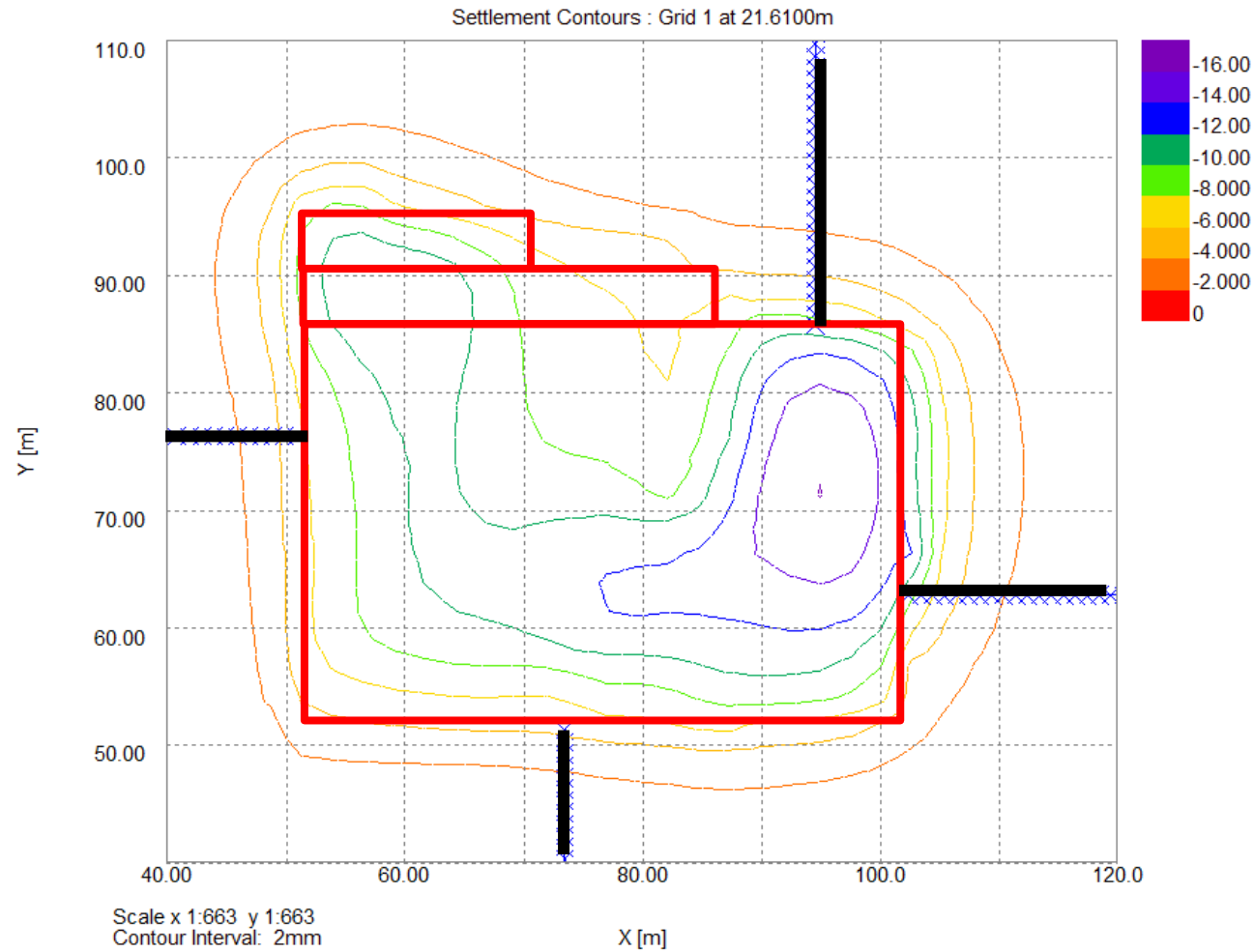
Figure 7



<p>Client</p> <p>Derwent Valley Property Developments Ltd</p>	<p>Project</p> <p style="text-align: center;">The Network Building</p>	<p>Job No</p> <p style="text-align: center;">CGL/09528</p>
	<p>Title</p> <p style="text-align: center;">Vertical Ground Movement Plot – Excavation & Demolition (Short-Term)</p>	<p style="text-align: center;">Figure 8</p>




<p>Client</p> <p>Derwent Valley Property Developments Ltd</p>	<p>Project</p> <p style="text-align: center;">The Network Building</p>	<p>Job No</p> <p style="text-align: center;">CGL/09528</p>
	<p>Title</p> <p style="text-align: center;">Vertical Ground Movement Plot – Demolition, Excavation & Loading (Short-Term)</p>	<p style="text-align: center;">Figure 9</p>

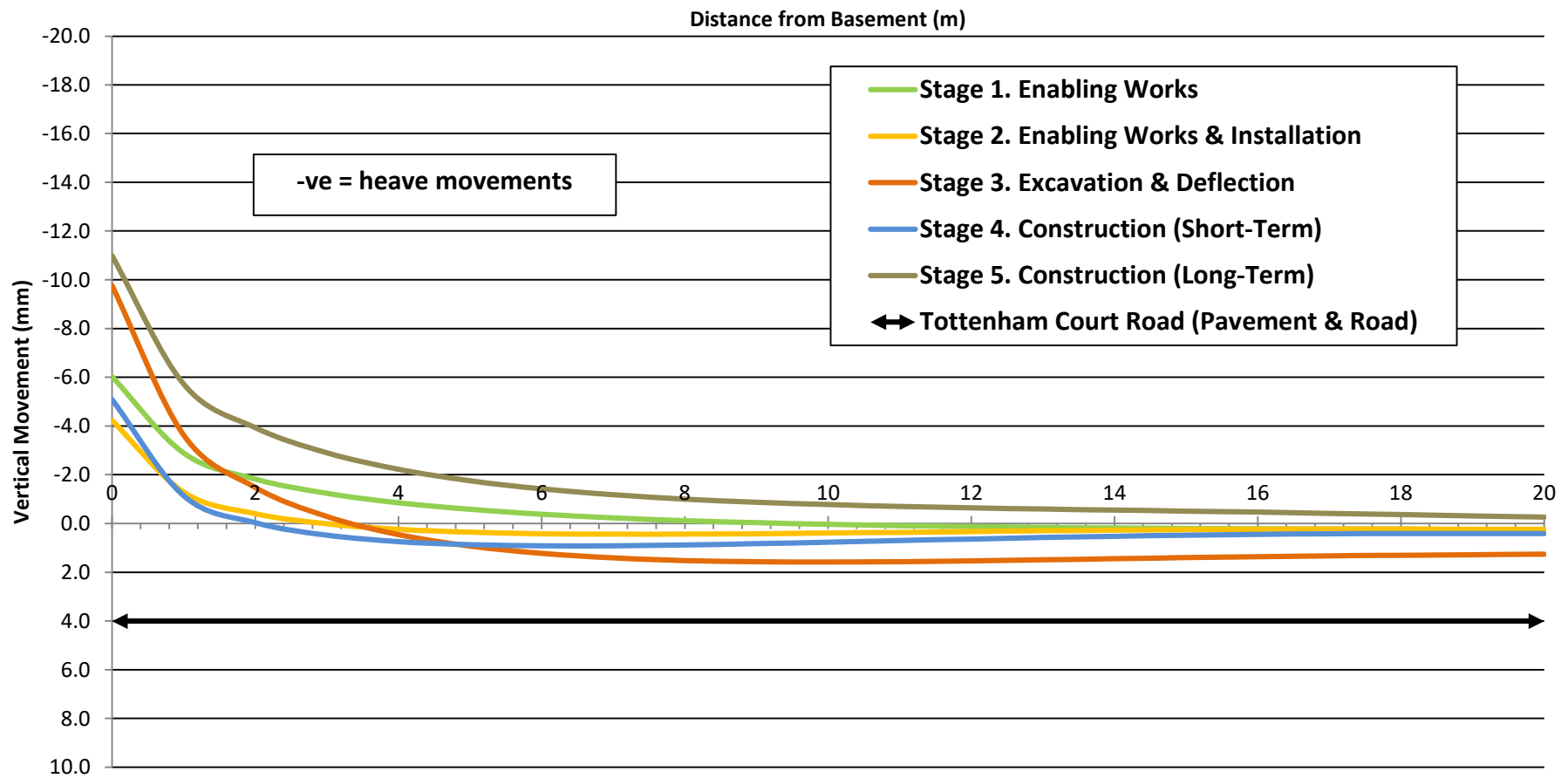



Note:

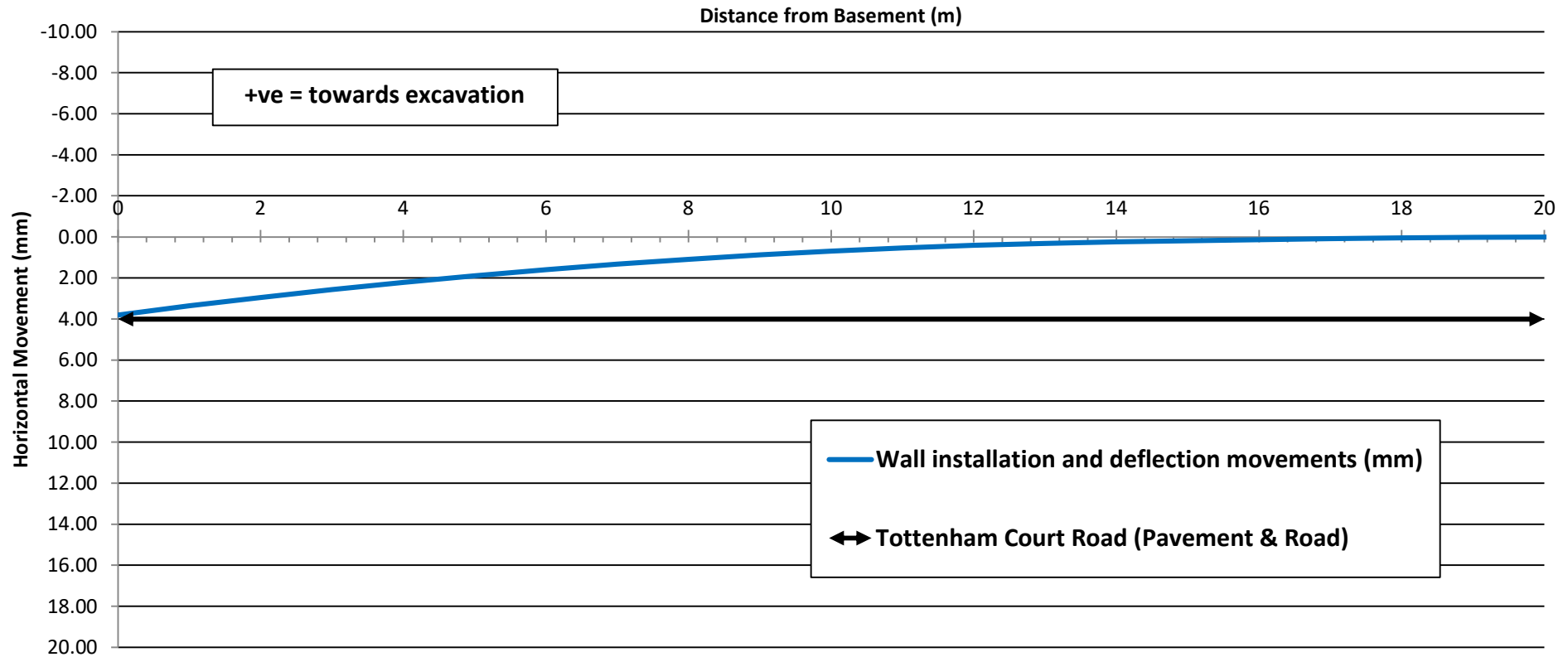
Red: indicative proposed excavation

Black: neighbouring critical sections

<p>Client</p> <p>Derwent Valley Property Developments Ltd</p>	<p>Project</p> <p style="text-align: center;">The Network Building</p>	<p>Job No</p> <p style="text-align: center;">CGL/09528</p>
	<p>Title</p> <p style="text-align: center;">Vertical Ground Movement Plot – Demolition, Excavation & Loading (Long-Term)</p>	<p style="text-align: center;">Figure 10</p>



<p>Client</p> <p>Derwent Valley Property Developments Ltd</p>	<p>Project</p> <p>The Network Building</p>	<p>Job No.</p> <p>CGL/09528</p>
	<p>Title</p> <p>Cumulative Vertical Movements - Tottenham Court Road</p>	<p>Figure 11</p>



Client

Derwent Valley Property Developments Ltd

Project

The Network Building

Job No.

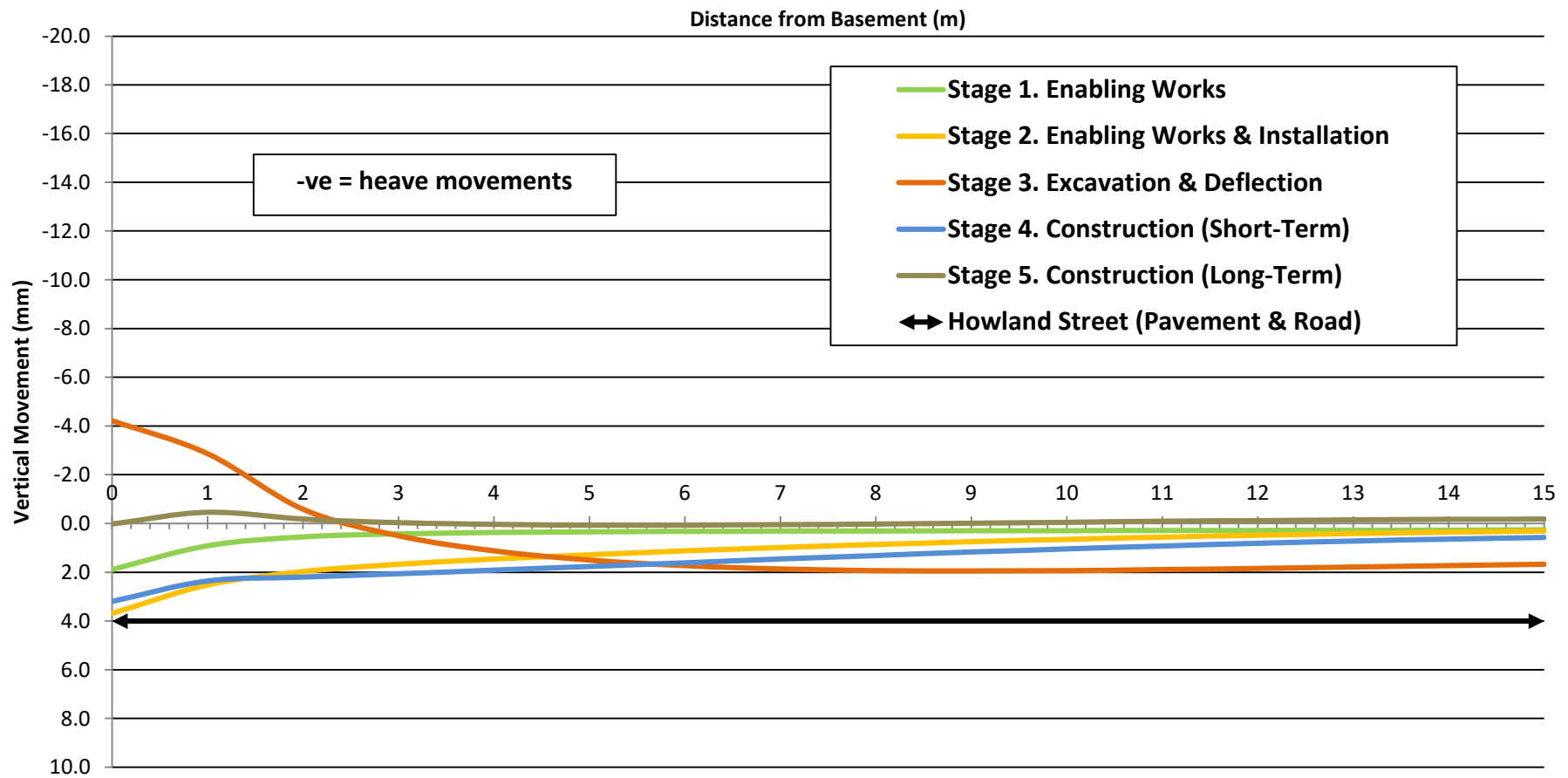
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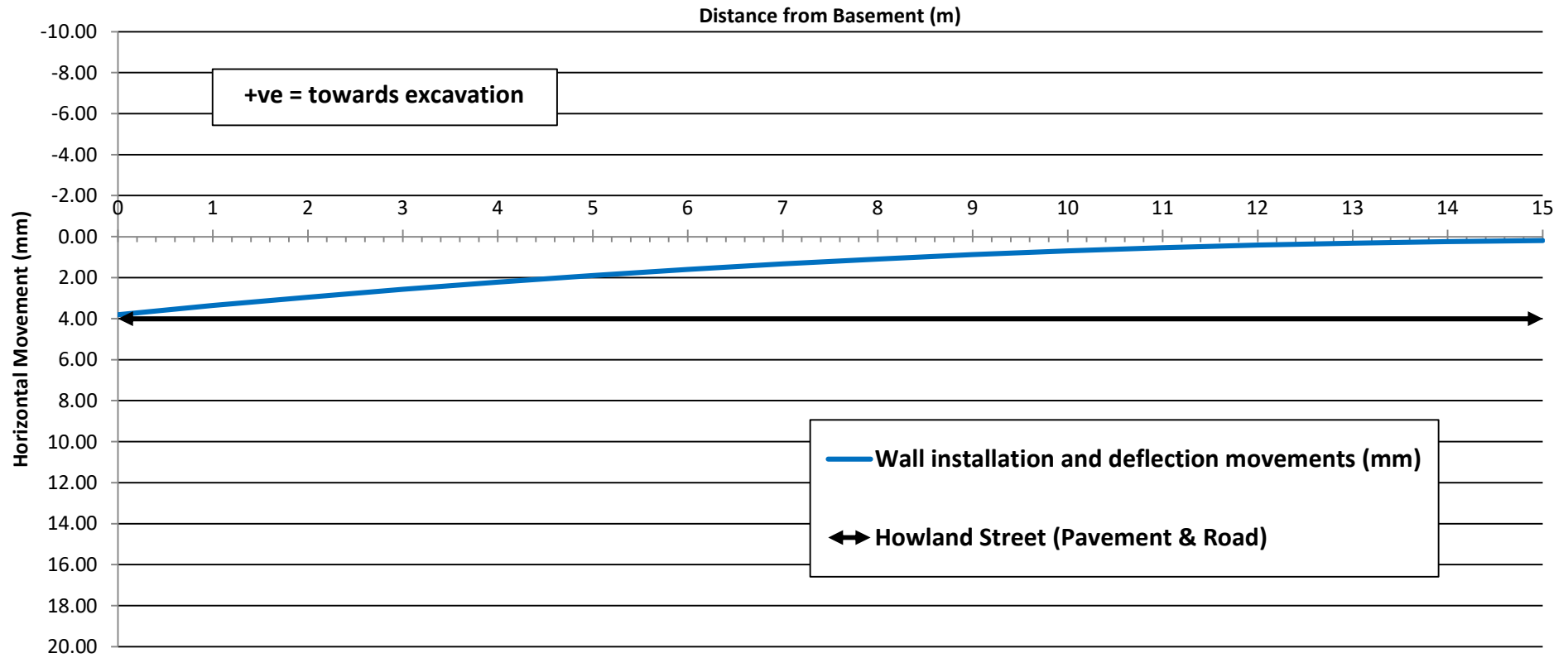
Title

Cumulative Horizontal Movements - Tottenham Court Road

Figure 12



<p>Client</p> <p>Derwent Valley Property Developments Ltd</p>	<p>Project</p> <p>The Network Building</p>	<p>Job No.</p> <p>CGL/09528</p>
	<p>Title</p> <p>Cumulative Vertical Movements - Howland Street</p>	<p>Figure 13</p>



Client

Derwent Valley Property Developments Ltd

Project

The Network Building

Job No.

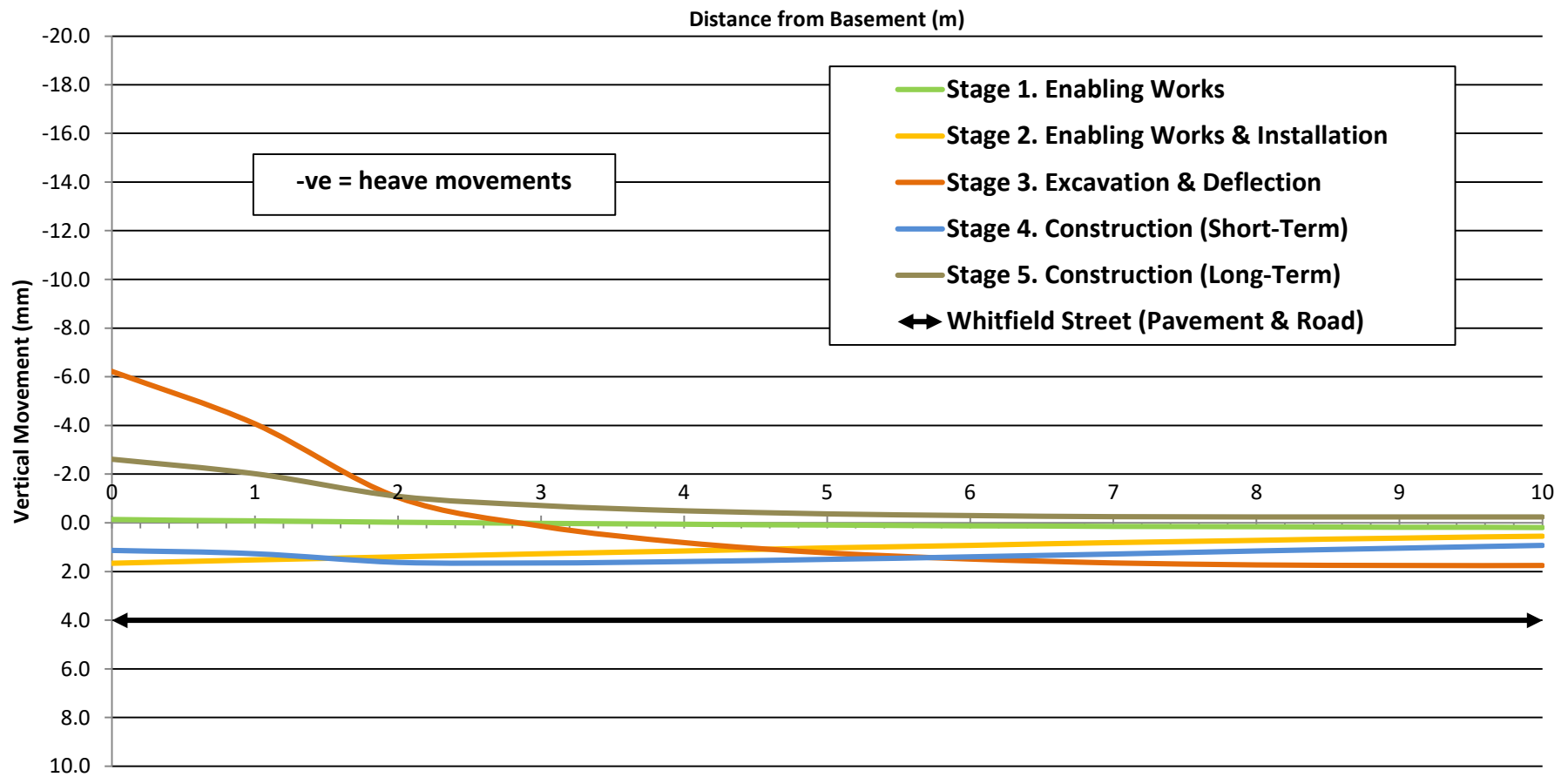
CGL/09528




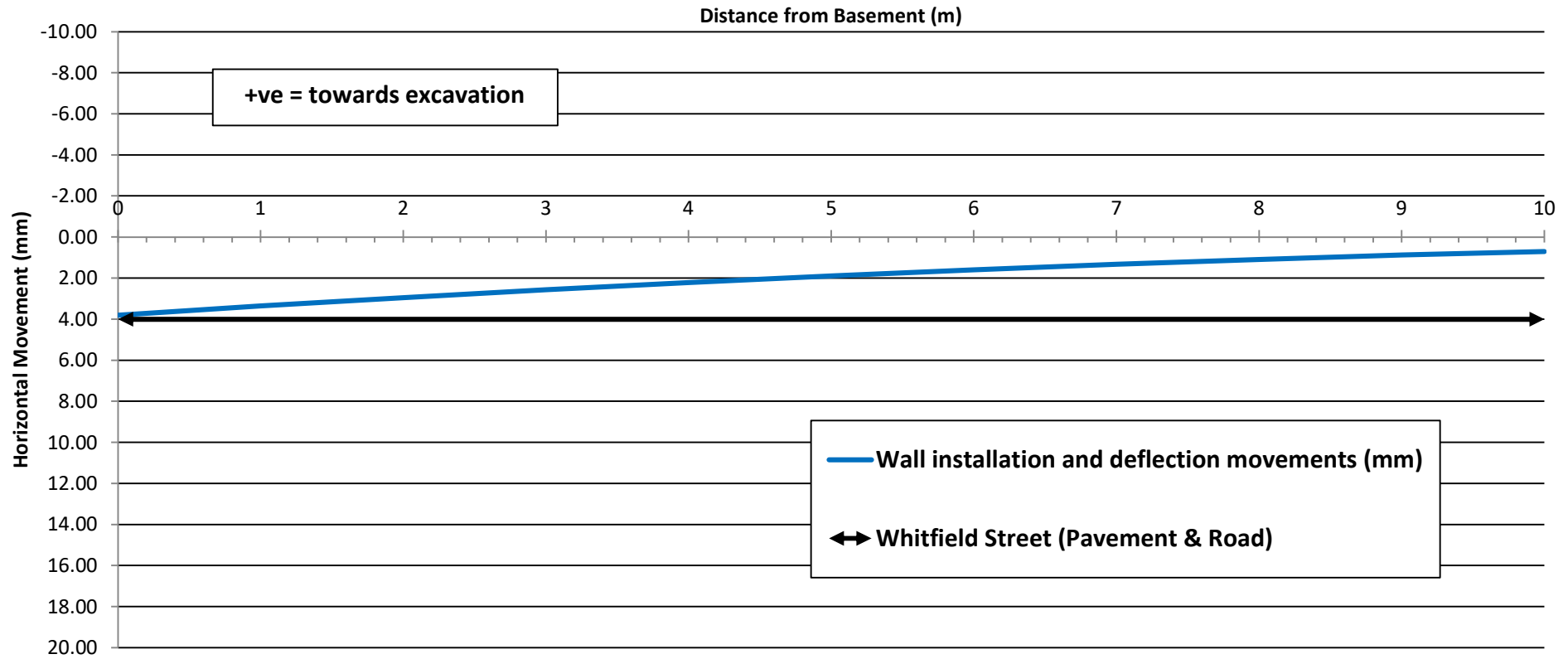
Title

Cumulative Horizontal Movements - Howland Street

Figure 14



Client Derwent Valley Property Developments Ltd	Project The Network Building	Job No. CGL/09528
	Title Cumulative Vertical Movements - Whitfield Street	Figure 15



Client

Derwent Valley Property Developments Ltd

Project

The Network Building

Job No.

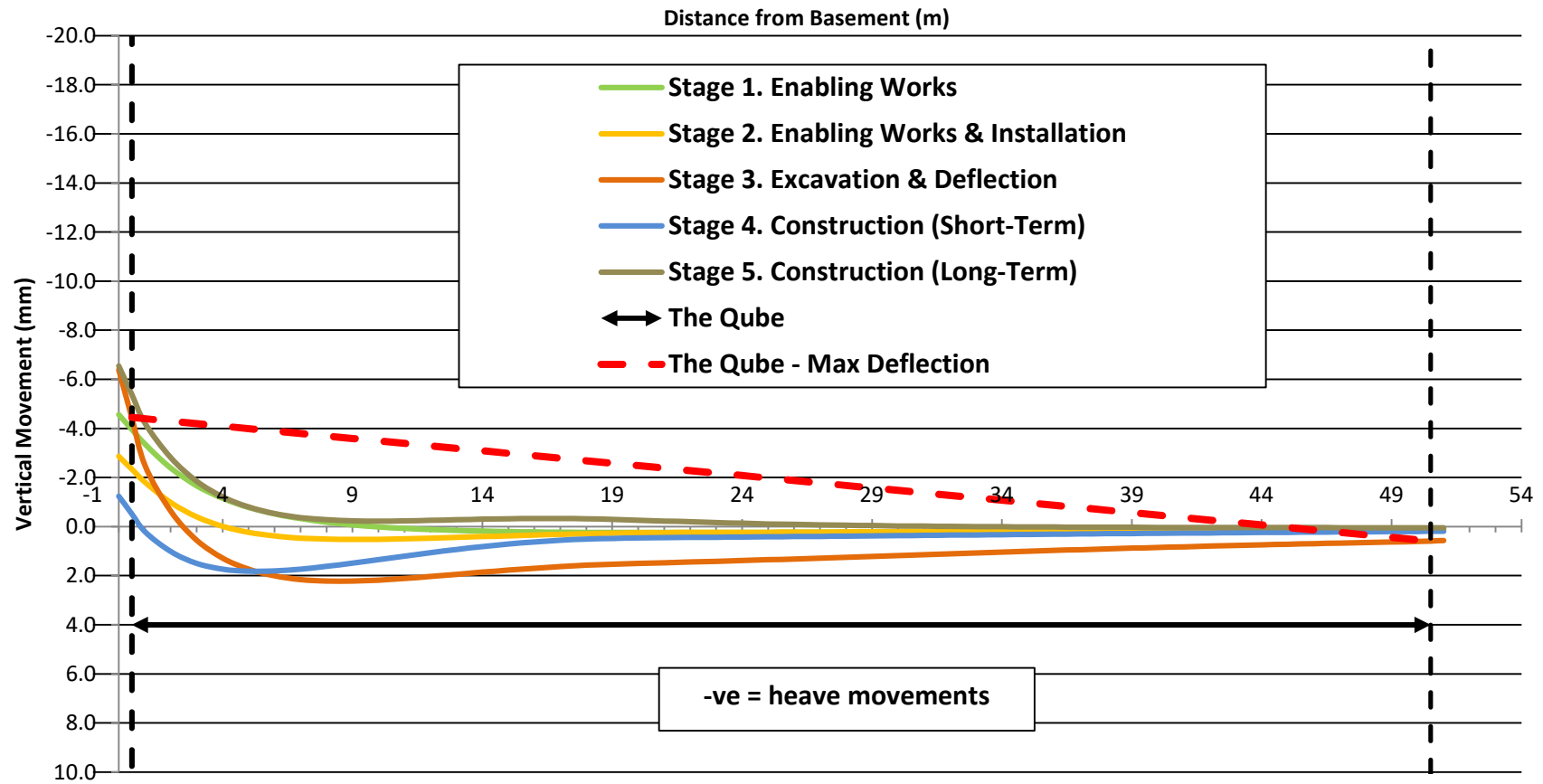
CGL/09528



Title

Cumulative Horizontal Movements - Whitfield Street

Figure 16



Client
Derwent Valley Property Developments Ltd

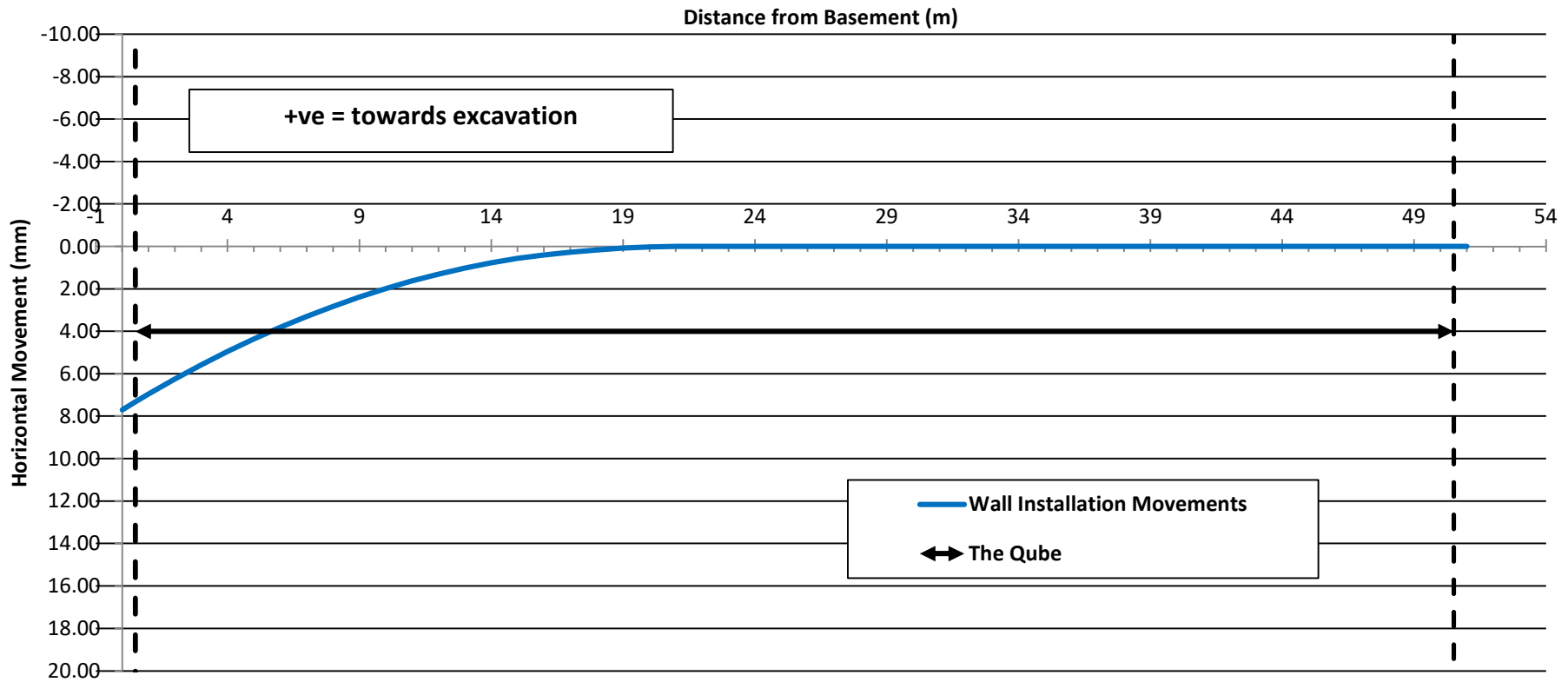
Project
The Network Building

Job No.
CGL/09528



Title
Cumulative Vertical Movements - The Qube

Figure 17



Client
Derwent Valley Property Developments Ltd

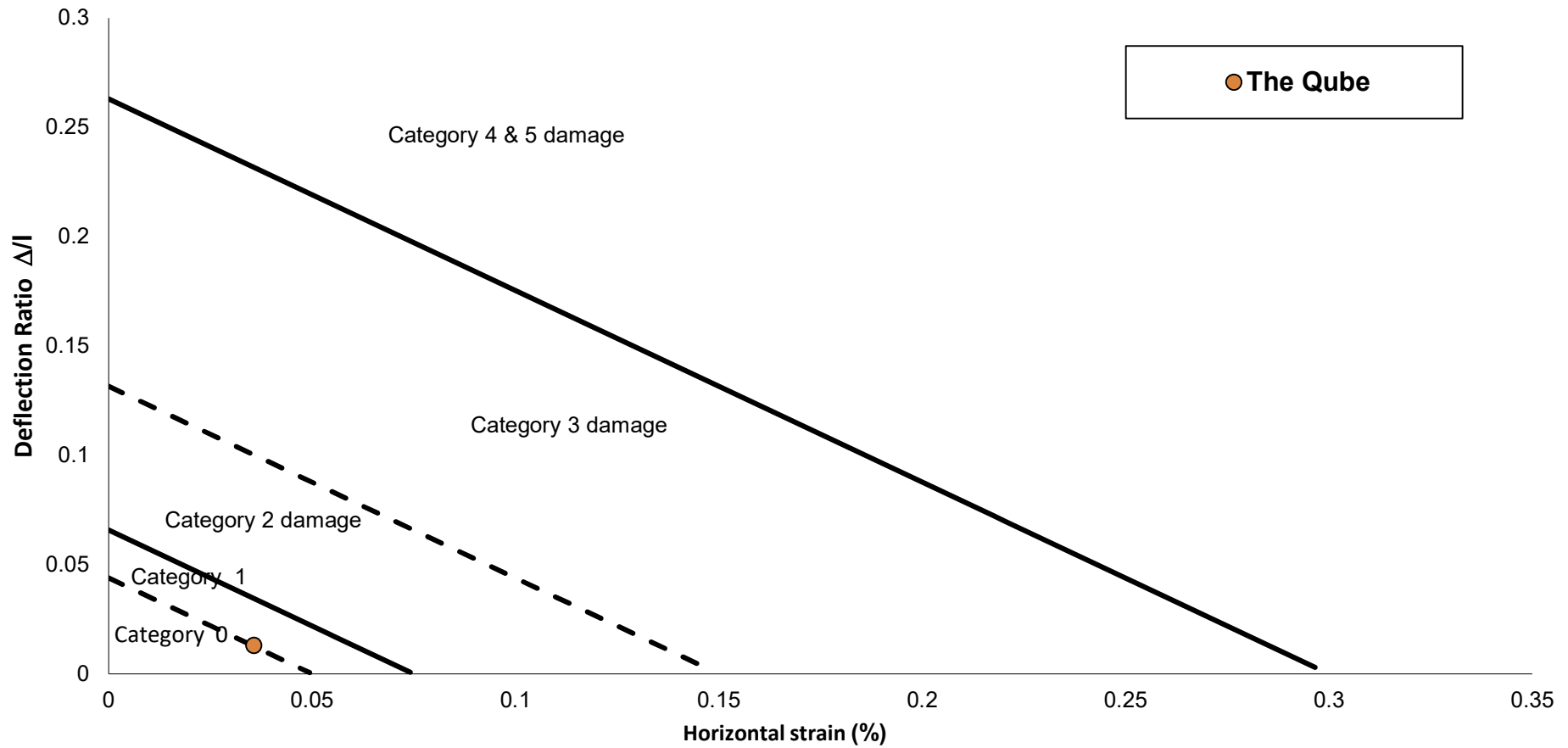
Project
The Network Building

Job No.
CGL/09528



Title
Cumulative Horizontal Movements - The Qube

Figure 18



Client
Derwent Valley Property Developments Ltd

Project
The Network Building

Job No.
CGL/09528

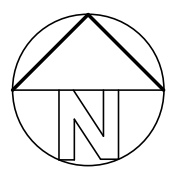


Title
**Building Damage Assessment Plot (L/H = 1.78) -
The Qube**

Figure 19

APPENDIX A



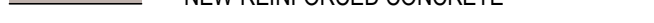



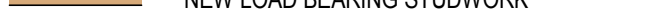










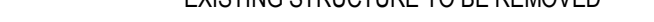
Proposed Development Drawings



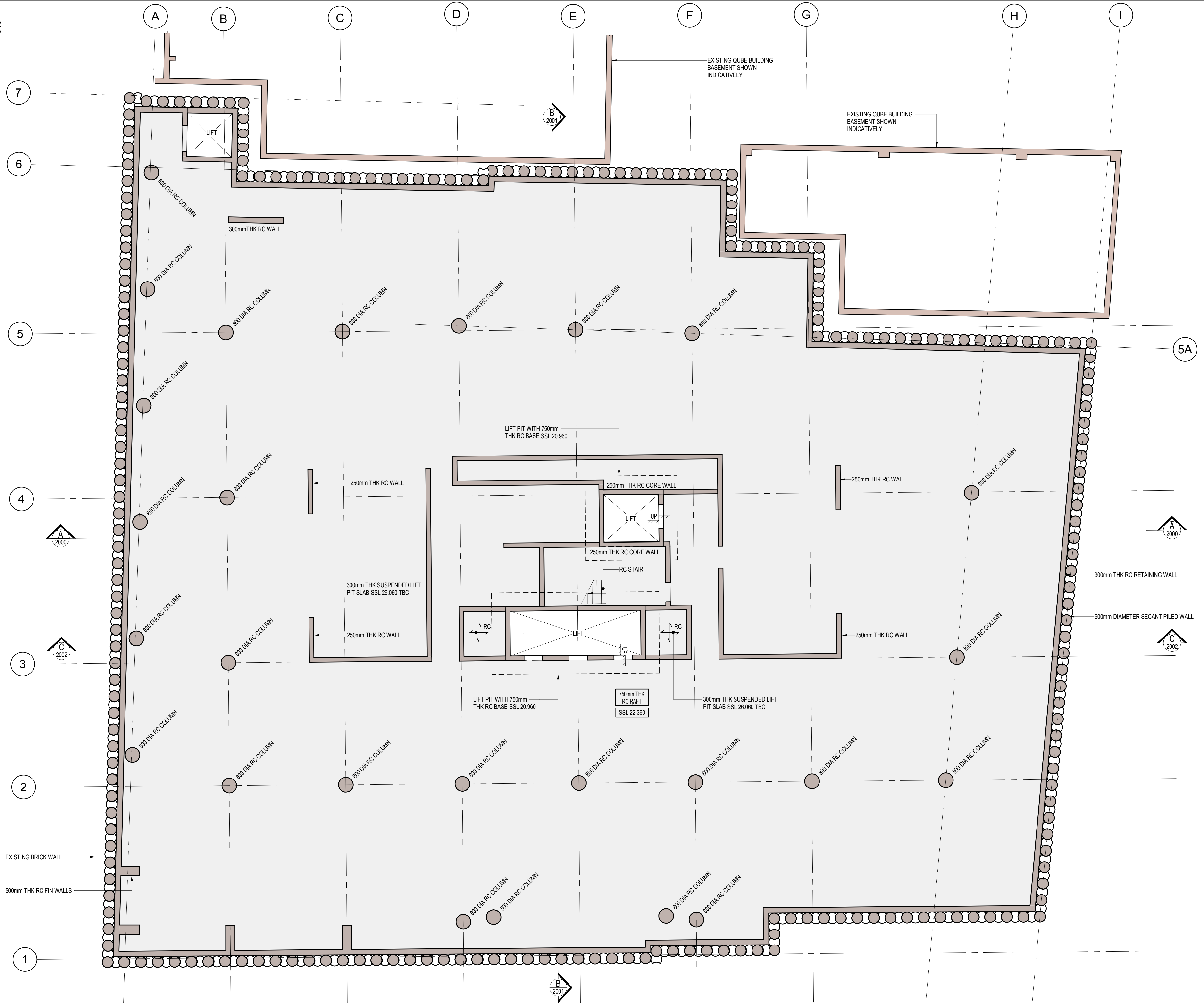
This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

LEGEND

-  EXISTING STRUCTURE TO BE RETAINED
-  NEW REINFORCED CONCRETE
-  NEW PRECAST CONCRETE
-  NEW REINFORCED WATER RESISTANT CONCRETE
-  NEW LOAD BEARING STUDWORK
-  NEW CROSS LAMINATED TIMBER
-  NEW MASS CONCRETE
-  NEW LOAD BEARING BLOCKWORK
-  NEW LOAD BEARING BRICKWORK
-  PADSTONES
-  NON LOAD BEARING WALLS
-  LOAD BEARING STRUCTURE BELOW
-  EXISTING STRUCTURE TO BE REMOVED
-  NEW STEEL BEAMS
-  EXISTING STEEL BEAMS
-  NEW LINTELS OVER OPENINGS
-  MOMENT CONNECTION
-  THERMAL BREAK

NOTES:
1. ALL RC WALLS 250mm THK U.N.O



NOT FOR CONSTRUCTION

P3	SO	11.11.20	DP	JH	Issued for information as part of Planning Report
P2	SO	29.10.20	DP	JH	Draft Stage 2
rev	sc	date	by	chk	description

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Project
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Drawing title
Proposed Basement Plan

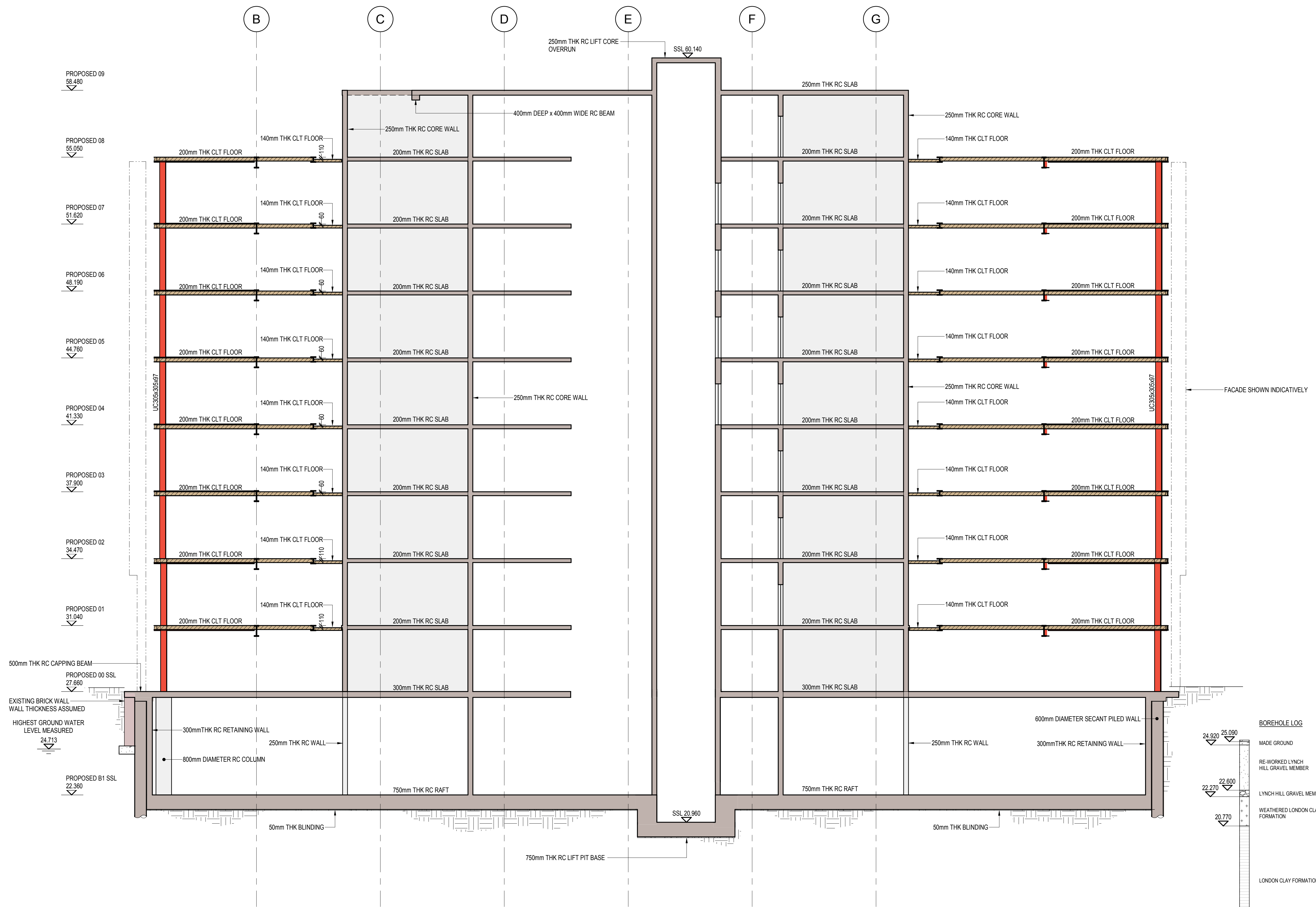
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1:50@ A1; 1:100@A3	October 2020	DP
Drawing status	Status	Revision
Preliminary	S2	P3
Project no.	Originator Zone	Level Type Role
2170754-EWP-ZZ-B1-DR-S-0900		

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LEGEND

- EXISTING STRUCTURE TO BE RETAINED
- EXISTING STRUCTURE TO BE REMOVED
- NEW REINFORCED CONCRETE
- NEW MASS CONCRETE
- NEW PRECAST CONCRETE
- NEW REINFORCED WATER RESISTANT CONCRETE
- NEW STRUCTURAL STEELWORK
- NEW LOAD BEARING BLOCKWORK
- NEW LOAD BEARING BRICKWORK
- NEW LOAD BEARING TIMBER
- NEW CROSS LAMINATED TIMBER
- NEW GLAZING
- STRUCTURE HIDDEN



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P3	SO	11.11.20	DP	JH	Issued for Information as part of Planning Report
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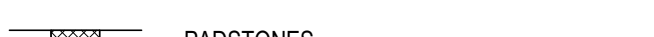

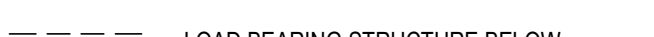

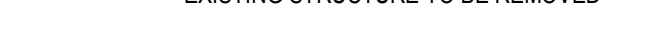

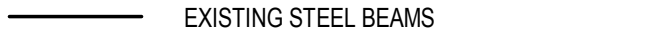


Drawing title
Proposed Long Section A-A

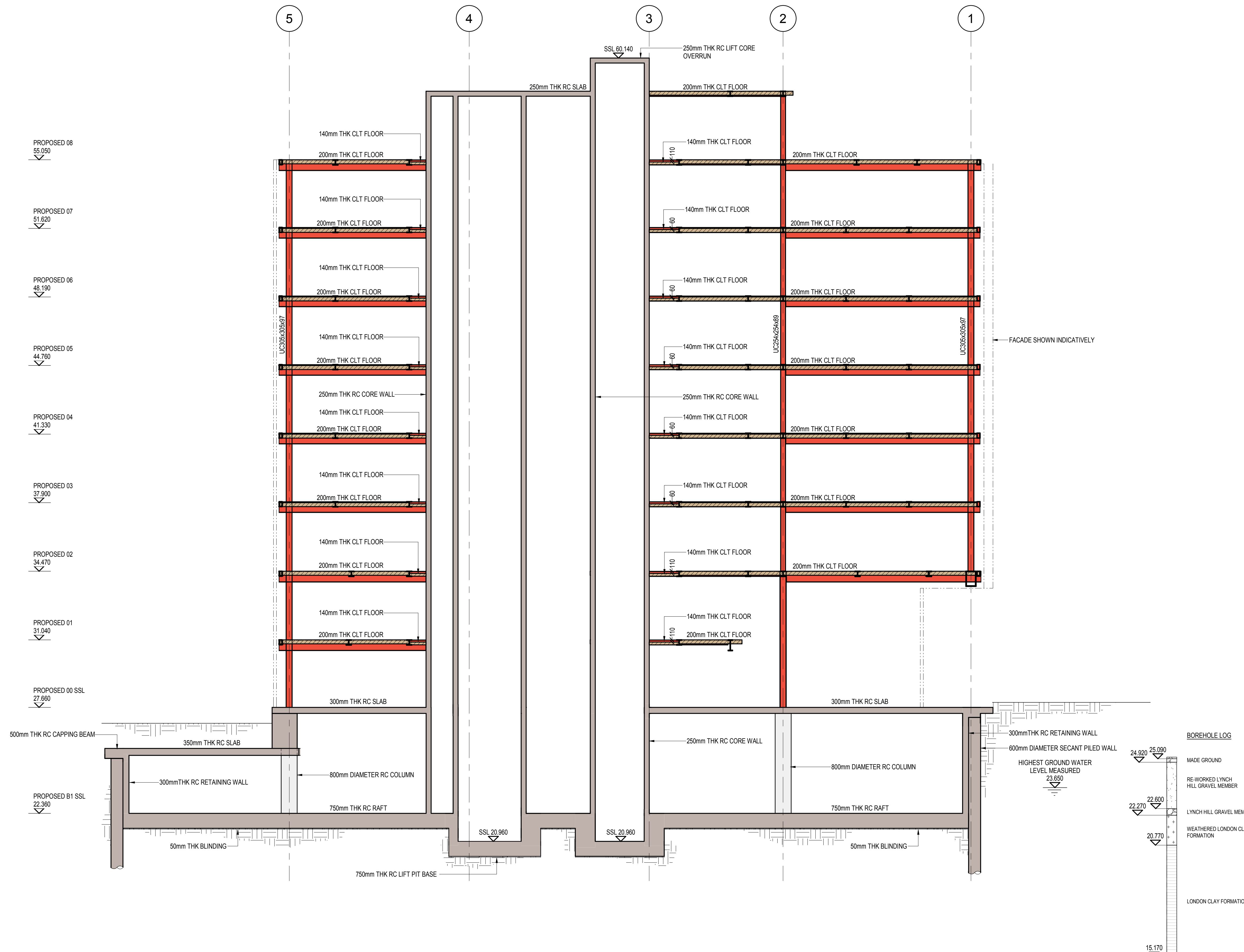
Scale (s)	Date	Drawn			
1:00@ A1; 1:200@A3	October 2020	DP			
Drawing status	Status	Revision			
Preliminary	S2	P3			
Project no.	Originator Zone	Level	Type	Role	drg no.
2170754-EWP-ZZ-XX-DR-S-2000					

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LEGEND

-  EXISTING STRUCTURE TO BE RETAINED
-  NEW REINFORCED CONCRETE
-  NEW PRECAST CONCRETE
-  NEW REINFORCED WATER RESISTANT CONCRETE
-  NEW LOAD BEARING STUDWORK
-  NEW CROSS LAMINATED TIMBER
-  NEW MASS CONCRETE
-  NEW LOAD BEARING BLOCKWORK
-  NEW LOAD BEARING BRICKWORK
-  PADSTONES
-  NON LOAD BEARING WALLS
-  LOAD BEARING STRUCTURE BELOW
-  EXISTING STRUCTURE TO BE REMOVED
-  NEW STEEL BEAMS
-  EXISTING STEEL BEAMS
-  NEW LINTELS OVER OPENINGS
-  MOMENT CONNECTION
-  THERMAL BREAK



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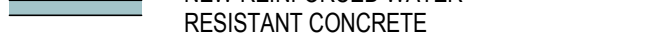






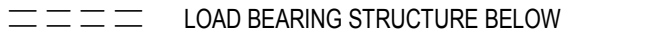

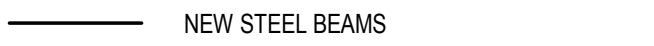




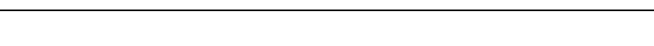
Drawing title
Proposed Long Section B-B

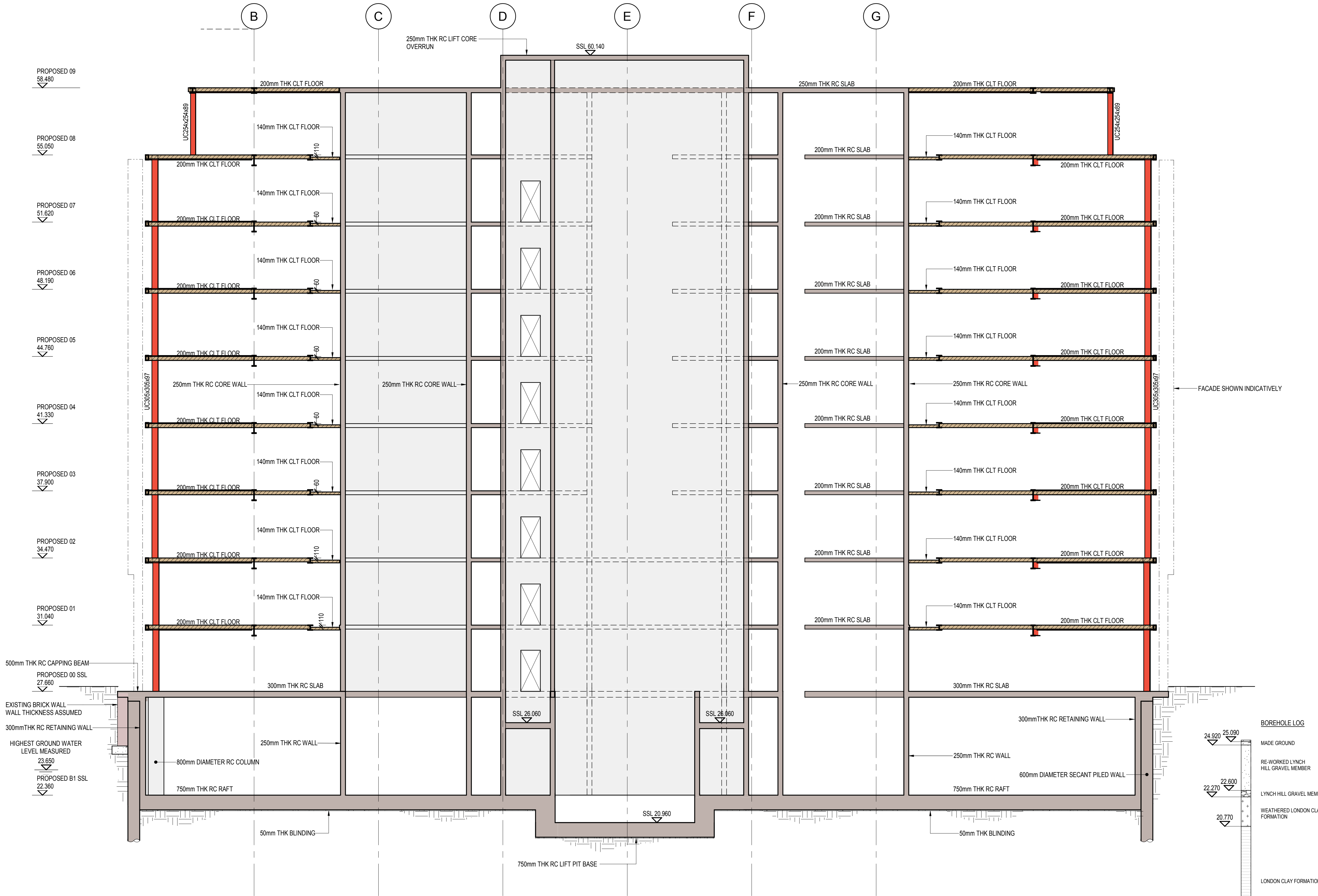
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Drawing status	Status	Revision				
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Project no.	Originator	Zone	Level	Type	Role	drg no.
2170754-EWP-ZZ-XX-DR-S-2001						

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LEGEND

-  EXISTING STRUCTURE TO BE RETAINED
-  NEW REINFORCED CONCRETE
-  NEW PRECAST CONCRETE
-  NEW REINFORCED WATER RESISTANT CONCRETE
-  NEW LOAD BEARING STUDWORK
-  NEW CROSS LAMINATED TIMBER
-  NEW MASS CONCRETE
-  NEW LOAD BEARING BLOCKWORK
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-  NEW STEEL BEAMS
-  EXISTING STEEL BEAMS
-  NEW LINTELS OVER OPENINGS
-  MOMENT CONNECTION
-  THERMAL BREAK



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P3	SO	11.11.20	DP	JH	Issued for Information as part of Planning Report
P2	SO	30.10.20	DP	JH	Draft Stage 2
rev	sc	date	by	chk	description

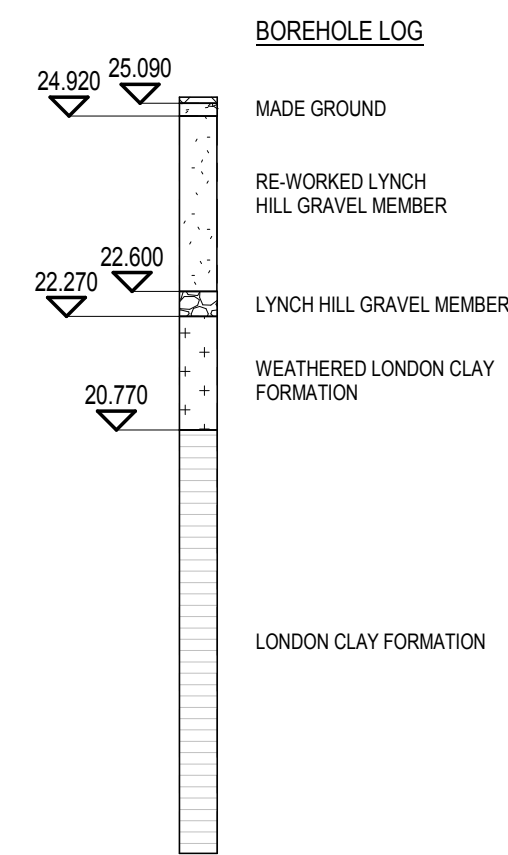
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Project
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Drawing title
Proposed Long Section C-C

Scale (s)	Date	Drawn
1:100@ A1; 1:200@A3	November 2020	DP
Drawing status	Status	Revision
Preliminary	S2	P3
Project no.	Originator Zone	Level
2170754-EWP-ZZ-XX-DR-S-2002		



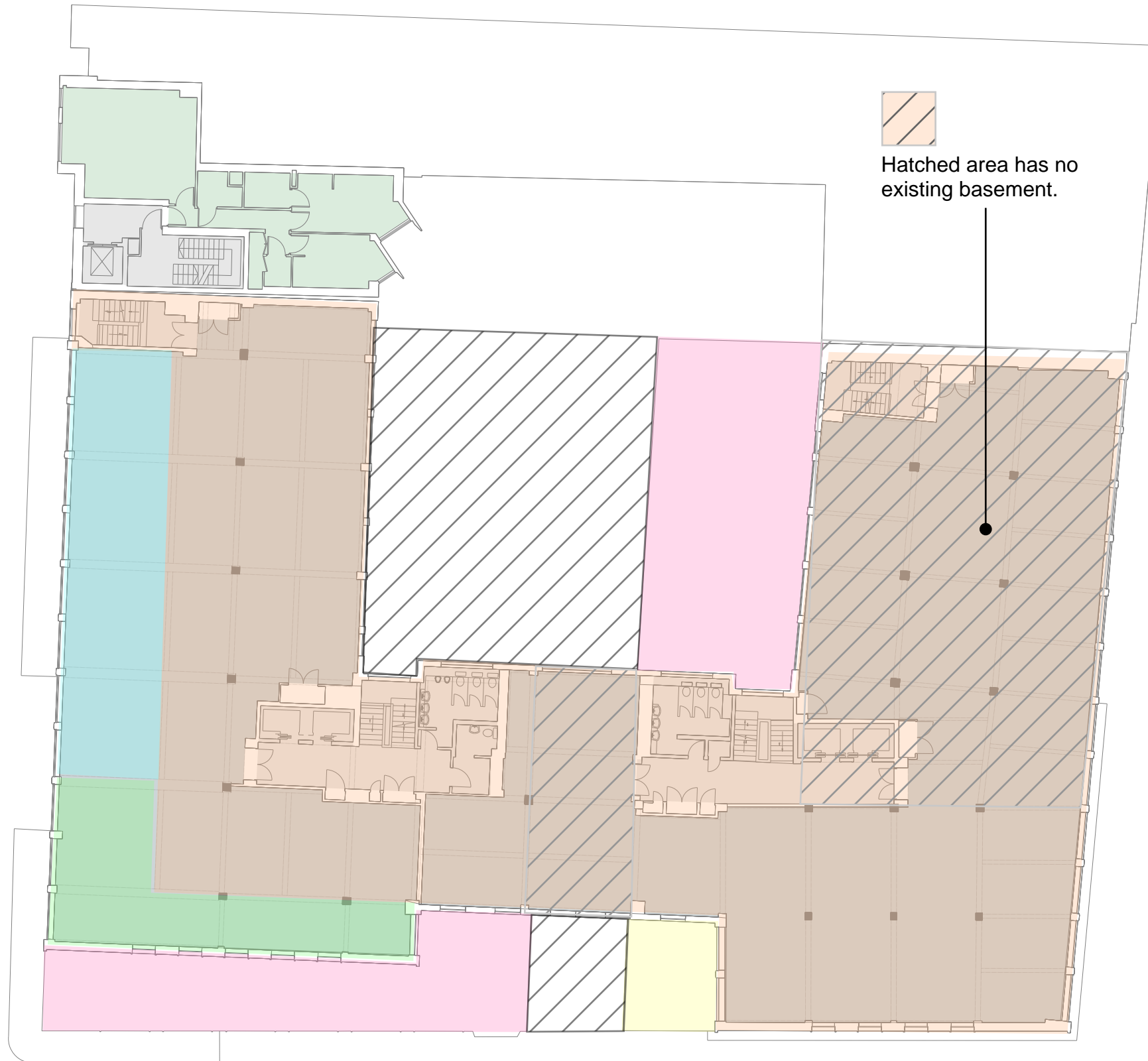
APPENDIX B

Structural Loading Information

Existing Build-up

Existing structure consists of hollow pot floors spanning between concrete encased steel beams. The following has been allowed for in the assumed existing loads.

<u>Dead (Assumed)</u>	(kN/m ²)
200mm thick hollow pot floor (equivalent to 135mm solid RC slab):	3.4
Concrete encased steel beams:	1.0
Ceiling & Services	0.15
Raised floor	0.4
	(4.95)
<u>Live</u>	2.5
Office	(2.5)
(partition allowance ignored)	
Total	7.45



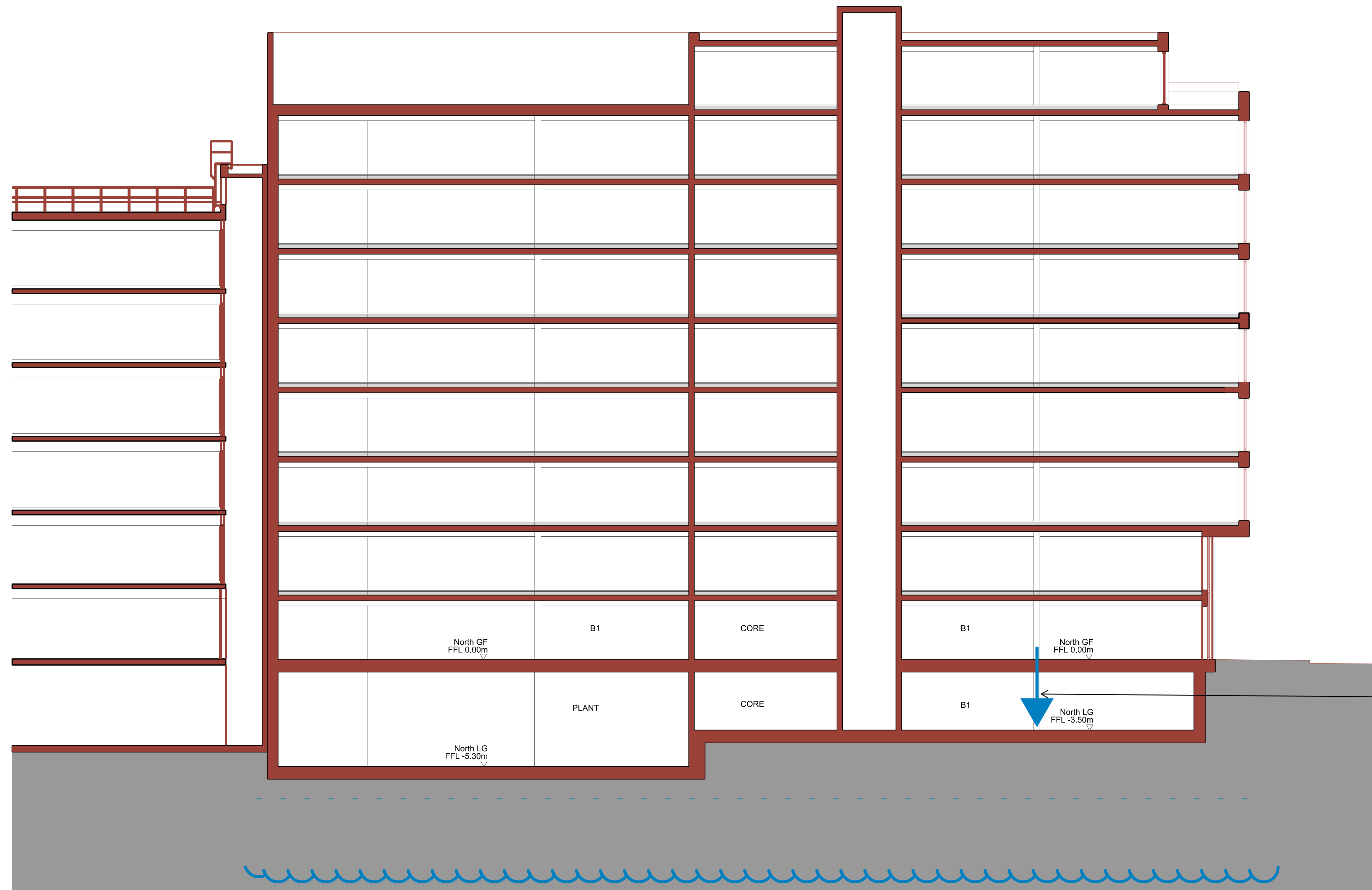
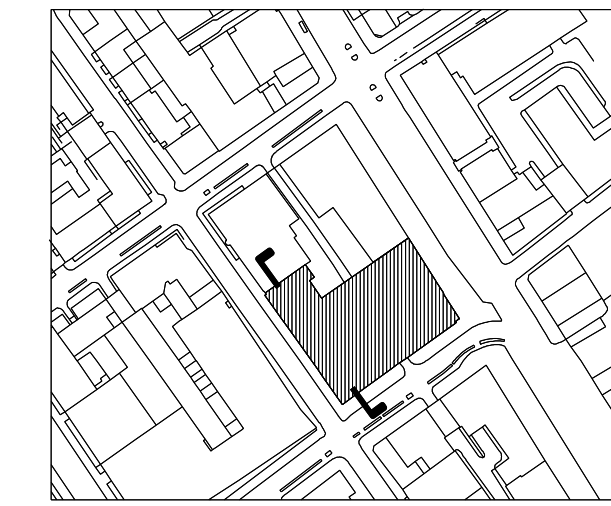
Summary of load change from existing

-  Existing 6 storeys above ground. Existing load 60kN/m² incl. basement slab. Existing load 52kN/m² at ground floor level.
-  Existing 5 storeys above ground. Existing load 53kN/m² incl. basement slab.
-  Existing 4 storeys above ground. Existing load 41kN/m² incl. basement slab.
-  Existing 2 storeys above ground. Existing load 30kN/m² incl. basement slab.
-  Existing 1 storeys above ground. Existing load 23kN/m² incl. basement slab.
-  No existing building.

Note: Loads are unfactored and include dead and live loads.

Existing Summary Plan

EWP Mark-up
 Network Building
 2170754
 Summary of Existing Loads



Typical Internal Column Load = 3300kN at basement level. (62kN/m² above basement slab).

Proposed raft bearing pressure = 90kN/m²

EWP Mark-up
Network Building
2170754
Summary of Proposed Loads

PROPOSED CROSS SECTION B-B

APPENDIX C

WALLAP Analysis Outputs

Units: kN,m

INPUT DATA

SOIL PROFILE

Stratum no.	Elevation of top of stratum	Soil types	
		Left side	Right side
1	27.00	2 MG (drained)	2 MG (drained)
2	24.50	1 Lynch Hill Gravels	1 Lynch Hill Gravels
3	22.50	3 LCF (undrained)	3 LCF (undrained)

SOIL PROPERTIES

-- Soil type --	Bulk density	Young's Modulus	At rest coeff.	Consol state.	Active limit	Passive limit	Cohesion
No. Description (Datum elev.)	kN/m3	Eh, kN/m2 (dEh/dy)	Ko (dKo/dy)	NC/OC (Nu)	Ka (Kac)	Kp (Kpc)	kN/m2 (dc/dy)
1 Lynch Hill Gravels	19.00	30000	0.470	OC (0.200)	0.250 (0.000)	5.788 (0.000)	
2 MG (drained)	19.00	14000	0.500	OC (0.200)	0.273 (0.000)	5.026 (0.000)	
3 LCF (undr.. (22.50)	21.00	36000 (3900)	1.000	OC (0.490)	1.000 (2.389)	1.000 (2.390)	60.00u (6.500)
4 LCF (drai.. (22.50)	21.00	27000 (2900)	0.625	OC (0.200)	0.455 (1.349)	2.198 (2.965)	5.000d
5 Fill	20.00	50000	0.384	OC (0.200)	0.197 (0.000)	8.446 (0.000)	

Additional soil parameters associated with Ka and Kp

Soil type	--- parameters for Ka ---			--- parameters for Kp ---		
	Soil friction	Wall adhesion	Back-fill	Soil friction	Wall adhesion	Back-fill
No. Description	angle	coeff.	angle	angle	coeff.	angle
1 Lynch Hill Gravels	32.00	1.000	0.00	32.00	1.000	0.00
2 MG (drained)	30.00	1.000	0.00	30.00	1.000	0.00
3 LCF (undrained)	0.00	0.500	0.00	0.00	0.500	0.00
4 LCF (drained)	22.00	0.000	0.00	22.00	0.000	0.00
5 Fill	38.00	0.670	0.00	38.00	0.670	0.00

GROUND WATER CONDITIONS

Density of water = 10.00 kN/m3

Initial water pressure profile = Profile number 1

Automatic water pressure balancing at toe of wall : Yes

Water profile no.	Left side				Right side			
	Point no.	Elev. m	Piezo elev. m	Water press. kN/m2	Point no.	Elev. m	Piezo elev. m	Water press. kN/m2
1	1	23.62	23.62	0.0	1	23.62	23.62	0.0
2	1	23.62	23.62	0.0	1	21.61	21.61	0.0 MC+WC
					2	21.61	21.61	0.0
3	1	26.00	26.00	0.0	1	21.61	21.61	0.0 MC+WC
					2	21.61	26.00	43.9

WALL PROPERTIES

Type of structure = Fully Embedded Wall
 Elevation of toe of wall = 17.00
 Maximum finite element length = 0.60 m
 Youngs modulus of wall E = 2.8000E+07 kN/m2
 Moment of inertia of wall I = 8.4800E-03 m4/m run
 E.I = 237440 kN.m2/m run
 Yield Moment of wall = Not defined

STRUTS and ANCHORS

Strut/ anchor no.	Elev.	Strut spacing m	X-section area of strut sq.m	Youngs modulus kN/m2	Free length m	Inclin -ation (degs)	Pre- stress /strut kN	Tension allowed
1	21.98	1.00	0.750000	1.500E+07	25.00	0.00	0	No
2	26.70	1.00	0.600000	1.500E+07	25.00	0.00	0	No
3	27.50	1.00	1.000000	40000	1.00	0.00	0	No

SURCHARGE LOADS

Surch -arge no.	Elev.	Distance from wall	Length parallel to wall	Width perpend. to wall	Surcharge ----- kN/m2 ----- Near edge Far edge		Equiv. soil type	Partial factor/ Category
1	27.00	0.10(L)	30.00	5.00	5.00	=	N/A	1.00 Var
2	27.00	5.10(L)	30.00	8.00	20.00	=	N/A	1.00 Var
3	21.61	-0.00(R)	30.00	25.00	44.00	=	N/A	1.00 -

Note: L = Left side, R = Right side

Limit State Categories P/U = Permanent Unfavourable
P/F = Permanent Favourable
Var = Variable (unfavourable)

CONSTRUCTION STAGES

Construction stage no.	Stage description
1	Apply surcharge no.1 at elevation 27.00
2	Apply surcharge no.2 at elevation 27.00
3	Change EI of wall to 166253 kN.m2/m run Yield moment not defined Reset wall displacements to zero at this stage
4	Install strut or anchor no.3 at elevation 27.50
5	Apply water pressure profile no.2 (Mod. Conserv.)
6	Excavate to elevation 21.61 on RIGHT side
7	Install strut or anchor no.1 at elevation 21.98
8	Install strut or anchor no.2 at elevation 26.70
9	Remove strut or anchor no.3 at elevation 27.50
10	Change properties of soil type 3 to soil type 4 Ko pressures will be reset
11	Change EI of wall to 118752 kN.m2/m run Yield moment not defined Allow wall to relax with new modulus value
12	Apply surcharge no.3 at elevation 21.61
13	Apply water pressure profile no.3 (Mod. Conserv.)

FACTORS OF SAFETY and ANALYSIS OPTIONS

Limit State options: Serviceability Limit State
All loads and soil strengths are unfactored

Stability analysis:

Method of analysis - Strength Factor method
Factor on soil strength for calculating wall depth = 1.00

Parameters for undrained strata:

Minimum equivalent fluid density = 5.00 kN/m3
Maximum depth of water filled tension crack = 0.00 m

Bending moment and displacement calculation:

Method - Subgrade reaction model using Influence Coefficients
Open Tension Crack analysis? - No
Non-linear Modulus Parameter (L) = 10.00 m

Boundary conditions:

Length of wall (normal to plane of analysis) = 20.00 m

Width of excavation on Left side of wall = 20.00 m
Width of excavation on Right side of wall = 20.00 m

Distance to rigid boundary on Left side = 20.00 m
Distance to rigid boundary on Right side = 20.00 m

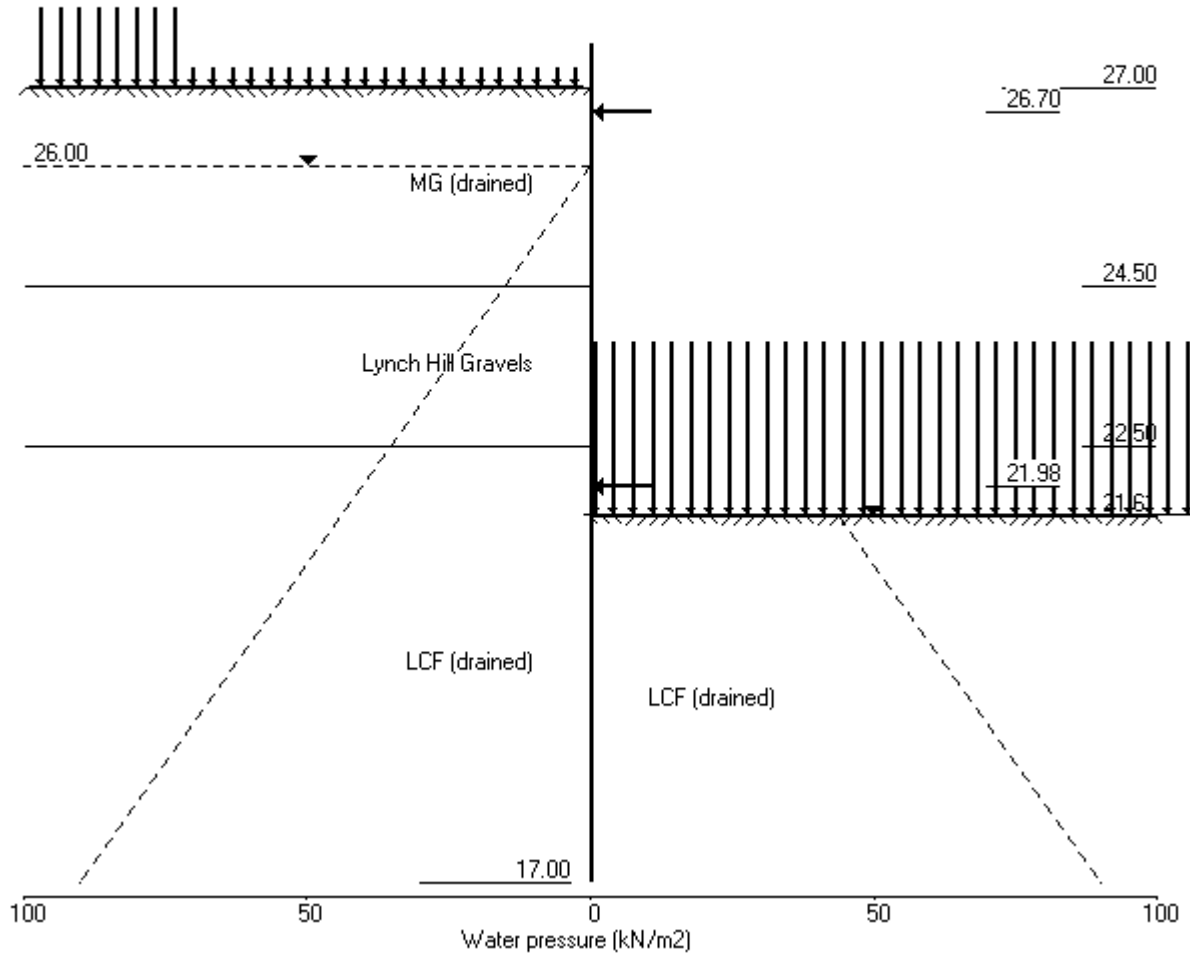
OUTPUT OPTIONS

Stage no.	Stage description	Displacement Bending mom. Shear force	Active, Passive pressures	Graph. output
1	Apply surcharge no.1 at elev. 27.00	Yes	Yes	Yes
2	Apply surcharge no.2 at elev. 27.00	Yes	Yes	Yes
3	Change EI of wall to 166253kN.m2/m run	Yes	Yes	Yes
4	Install strut no.3 at elev. 27.50	Yes	Yes	Yes
5	Apply water pressure profile no.2	Yes	Yes	Yes
6	Excav. to elev. 21.61 on RIGHT side	Yes	Yes	Yes
7	Install strut no.1 at elev. 21.98	Yes	Yes	Yes
8	Install strut no.2 at elev. 26.70	Yes	Yes	Yes
9	Remove strut no.3 at elev. 27.50	Yes	Yes	Yes
10	Change soil type 3 to soil type 4	Yes	Yes	Yes
11	Change EI of wall to 118752kN.m2/m run	No	Yes	Yes
12	Apply surcharge no.3 at elev. 21.61	Yes	Yes	Yes
13	Apply water pressure profile no.3	Yes	Yes	Yes
*	Summary output	Yes	-	Yes

Program WALLAP - Copyright (C) 2017 by DL Borin, distributed by GEOSOLVE
 150 St. Alphonsus Road, London SW4 7BW, UK www.geosolve.co.uk

Units: kN,m

Stage No.13 Apply water pressure profile no.3 (Mod. Conserv.)



Units: kN,m

Stage No. 3 Change EI of wall to 166253 kN.m2/m run
 Yield moment not defined
 Reset wall displacements to zero at this stage

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

Stage No.	--- G.L. --- Act. Pass.	Strut Elev.	FoS for toe elev. = 17.00	Moment of equil. at elev. Safety	Toe elev. for FoS = 1.000	Wall Penetr -ation	Direction of failure
3	27.00 27.00	Cant.		<u>Conditions not suitable for FoS calc.</u>			

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: Serviceability Limit State

Calculated Bending Moments and Strut Forces are to be multiplied by a factor of 1.35 to obtain values for structural design. See summary for factored values.

*** Wall displacements reset to zero at stage 3

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	-0.000	-1.73E-16	0.0	-0.0		166253
2	27.00	0.00	-0.000	-1.73E-16	0.0	0.0		166253
3	26.70	0.18	-0.000	-1.73E-16	0.0	0.0		166253
4	26.35	0.20	-0.000	-1.74E-16	0.1	0.0		166253
5	26.00	0.17	-0.000	-1.76E-16	0.2	0.1		166253
6	25.60	0.19	-0.000	-1.80E-16	0.2	0.2		166253
7	25.20	0.20	0.000	-1.88E-16	0.3	0.3		166253
8	24.85	0.22	0.000	-1.97E-16	0.4	0.4		166253
9	24.50	0.23	0.000	-2.09E-16	0.5	0.5		166253
		-1.00	0.000	-2.09E-16	0.5	0.5		
10	24.06	-1.04	0.000	-2.27E-16	0.0	0.7		166253
11	23.62	-1.07	0.000	-2.46E-16	-0.4	0.6		166253
12	23.06	-1.11	0.000	-2.69E-16	-1.1	0.1		166253
13	22.50	-1.15	0.000	-2.86E-16	-1.7	-0.6		166253
		1.29	0.000	-2.86E-16	-1.7	-0.6		
14	21.98	1.12	0.000	-2.86E-16	-1.1	-1.3		166253
15	21.61	0.99	0.000	-2.71E-16	-0.7	-1.6		166253
16	21.30	0.88	0.000	-2.43E-16	-0.4	-1.8		166253
17	21.00	0.77	0.000	-1.96E-16	-0.1	-1.9		166253
18	20.40	0.55	0.000	-4.25E-17	0.3	-1.8		166253
19	19.80	0.33	0.000	1.53E-16	0.5	-1.5		166253
20	19.20	0.12	0.000	3.09E-16	0.7	-1.1		166253
21	18.60	-0.10	0.000	3.91E-16	0.7	-0.7		166253
22	18.00	-0.32	0.000	4.21E-16	0.5	-0.3		166253
23	17.50	-0.53	0.000	4.27E-16	0.3	-0.1		166253
24	17.00	-0.75	0.000	4.28E-16	-0.0	-0.0		---

(continued)

Stage No.3 Change EI of wall to 166253 kN.m2/m run
 Yield moment not defined
 Reset wall displacements to zero at this stage

Node no.	Y coord	LEFT side					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Active limit	Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	8905
3	26.70	0.00	8.72	2.38	43.84	3.32	3.32	8905
4	26.35	0.00	16.40	4.48	82.41	6.78	6.78	8905
5	26.00	0.00	23.41	6.39	117.65	10.13	10.13	8905
6	25.60	0.00	31.25	8.54	157.09	13.98	13.98	8905
7	25.20	0.00	39.06	10.67	196.33	17.81	17.81	3072
8	24.85	0.00	45.90	12.54	230.69	21.16	21.16	3072
9	24.50	0.00	52.75	14.41	265.13	24.52	24.52	3072
		0.00	52.75	13.17	305.31	22.48	22.48	6583
10	24.06	0.00	61.39	15.33	355.30	26.43	26.43	6583
11	23.62	0.00	70.05	17.49	405.42	30.38	30.38	6583
12	23.06	5.60	75.49	18.85	436.91	32.78	38.38	6583
13	22.50	11.20	80.93	20.21	468.42	35.18	46.38	6583
		Total>	92.13	22.50m	235.53	89.33	89.33	11558
14	21.98	Total>	103.31	25.08m	254.70	100.23	100.23	12202
15	21.61	Total>	111.43	26.95m	268.65	108.16	108.16	12672
16	21.30	Total>	118.02	28.48m	279.99	114.60	114.60	13054
17	21.00	Total>	124.61	30.00m	291.31	121.04	121.04	13436
18	20.40	Total>	137.52	33.00m	313.54	133.68	133.68	14187
19	19.80	Total>	150.38	36.00m	335.72	146.30	146.30	14938
20	19.20	Total>	163.19	39.00m	357.85	158.89	158.89	15689
21	18.60	Total>	175.95	42.00m	379.93	171.46	171.46	16441
22	18.00	Total>	188.65	45.00m	401.95	183.99	183.99	17192
23	17.50	Total>	199.21	47.50m	420.28	194.42	194.42	17818
24	17.00	Total>	209.73	50.00m	438.57	204.82	204.82	18444

Node no.	Y coord	RIGHT side					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Active limit	Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	8905
3	26.70	0.00	5.70	1.56	28.65	3.14	3.14	8905
4	26.35	0.00	12.35	3.37	62.07	6.58	6.58	8905
5	26.00	0.00	19.00	5.19	95.50	9.97	9.97	8905
6	25.60	0.00	26.60	7.27	133.70	13.79	13.79	8905
7	25.20	0.00	34.20	9.34	171.89	17.61	17.61	3072
8	24.85	0.00	40.85	11.16	205.32	20.95	20.95	3072
9	24.50	0.00	47.50	12.97	238.74	24.29	24.29	3072
		0.00	47.50	11.86	274.92	23.48	23.48	6583
10	24.06	0.00	55.86	13.95	323.31	27.46	27.46	6583
11	23.62	0.00	64.22	16.04	371.69	31.45	31.45	6583
12	23.06	5.60	69.26	17.30	400.86	33.88	39.48	6583
13	22.50	11.20	74.30	18.55	430.03	36.33	47.53	6583
		Total>	85.50	22.50m	228.90	88.04	88.04	11558
14	21.98	Total>	96.32	25.08m	247.71	99.11	99.11	12202
15	21.61	Total>	104.19	26.95m	261.41	107.17	107.17	12672
16	21.30	Total>	110.60	28.48m	272.56	113.72	113.72	13054

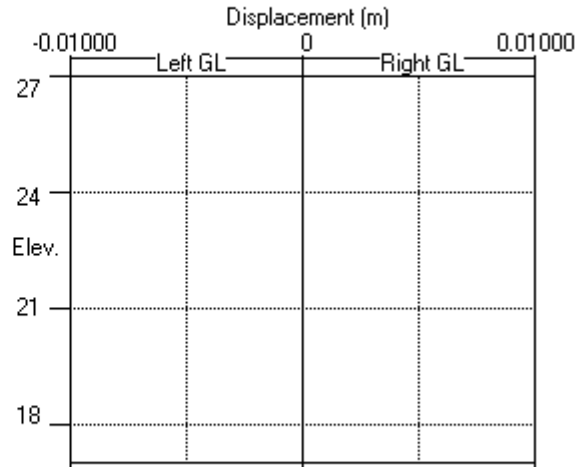
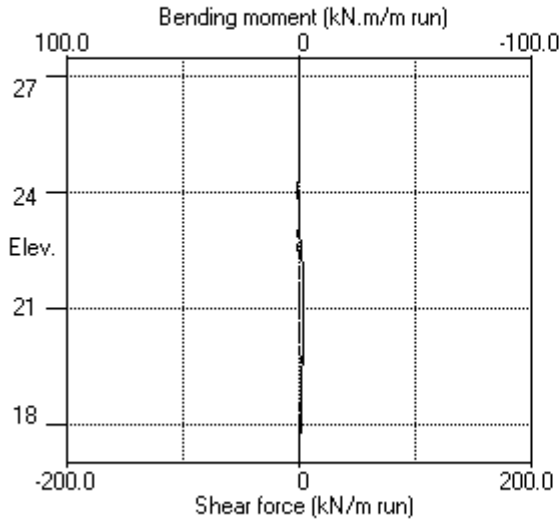
(continued)

Stage No.3 Change EI of wall to 166253 kN.m2/m run
 Yield moment not defined
 Reset wall displacements to zero at this stage

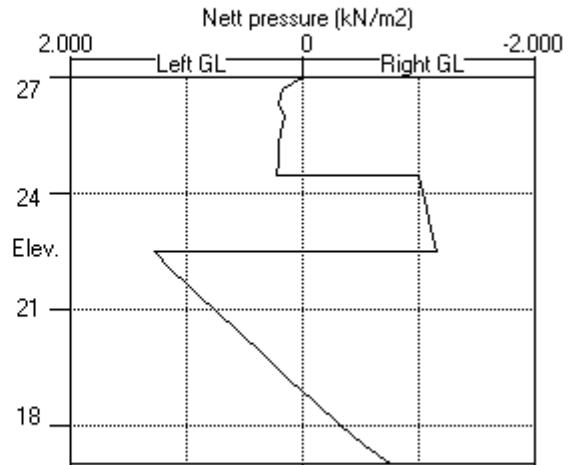
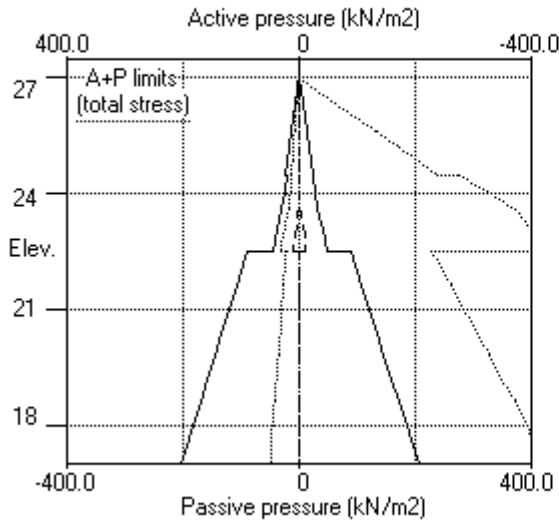
Node no.	Y coord	----- RIGHT side -----					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Effective Active limit	Effective Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3	
17	21.00	Total>	117.00	30.00m	283.70	120.27	13436	
18	20.40	Total>	129.60	33.00m	305.62	133.13	14187	
19	19.80	Total>	142.20	36.00m	327.54	145.96	14938	
20	19.20	Total>	154.80	39.00m	349.46	158.77	15689	
21	18.60	Total>	167.40	42.00m	371.38	171.55	16441	
22	18.00	Total>	180.00	45.00m	393.30	184.32	17192	
23	17.50	Total>	190.50	47.50m	411.57	194.95	17818	
24	17.00	Total>	201.00	50.00m	429.84	205.57	18444	

Units: kN,m

Stage No.3 Change EI of wall to 166253kN.m²/m run



Stage No.3 Change EI of wall to 166253kN.m²/m run



Units: kN,m

Stage No. 6 Excavate to elevation 21.61 on RIGHT side

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method
 Factor of safety on soil strength

Stage No.	--- G.L. --- Act. Pass.	Strut Elev.	FoS for toe elev. = 17.00	Moment of equil. at elev.	Toe elev. for FoS = 1.000	Wall Penetr- -ation	Direction of failure
6	27.00 21.61	27.50	2.996	n/a	21.22	0.39	L to R

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall
Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: Serviceability Limit State

Calculated Bending Moments and Strut Forces are to be multiplied by a factor of 1.35 to obtain values for structural design. See summary for factored values.

*** Wall displacements reset to zero at stage 3

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.001	-1.79E-03	-35.3	-0.0	35.3	166253
2	27.00	0.00	0.002	-1.76E-03	-35.3	-17.7		166253
3	26.70	2.38	0.002	-1.72E-03	-34.9	-28.2		166253
4	26.35	4.48	0.003	-1.65E-03	-33.7	-40.2		166253
5	26.00	6.39	0.003	-1.55E-03	-31.8	-51.7		166253
6	25.60	8.54	0.004	-1.41E-03	-28.9	-63.9		166253
7	25.20	10.67	0.005	-1.25E-03	-25.0	-74.7		166253
8	24.85	12.54	0.005	-1.08E-03	-21.0	-82.8		166253
9	24.50	14.41	0.005	-9.03E-04	-16.2	-89.3		166253
		13.17	0.005	-9.03E-04	-16.2	-89.3		
10	24.06	15.33	0.006	-6.57E-04	-10.0	-95.1		166253
11	23.62	17.49	0.006	-4.00E-04	-2.7	-97.9		166253
12	23.06	23.70	0.006	-7.22E-05	8.8	-96.4		166253
13	22.50	29.91	0.006	2.36E-04	23.8	-87.4		166253
		32.50	0.006	2.36E-04	23.8	-87.4		
14	21.98	42.06	0.006	4.77E-04	43.0	-70.3		166253
15	21.61	49.86	0.006	6.11E-04	60.2	-51.0		166253
		-32.22	0.006	6.11E-04	60.2	-51.0		
16	21.30	-31.53	0.005	6.86E-04	50.5	-34.2		166253
17	21.00	-30.09	0.005	7.32E-04	41.1	-20.2		166253
18	20.40	-25.66	0.005	7.64E-04	24.4	-1.0		166253
19	19.80	-19.92	0.004	7.44E-04	10.7	9.0		166253
20	19.20	-13.51	0.004	7.01E-04	0.7	11.9		166253
21	18.60	-6.71	0.003	6.59E-04	-5.4	9.9		166253
22	18.00	0.48	0.003	6.29E-04	-7.3	5.4		166253
23	17.50	6.91	0.003	6.18E-04	-5.4	1.8		166253
24	17.00	14.72	0.002	6.15E-04	0.0	0.0		---
At elev. 27.50		Strut force =		35.3 kN/strut =		35.3 kN/m run		

(continued)

Stage No.6 Excavate to elevation 21.61 on RIGHT side

Node no.	Y coord	LEFT side					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Effective Active limit	Effective Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	2411
3	26.70	0.00	8.72	2.38	43.84	2.38	2.38a	2411
4	26.35	0.00	16.40	4.48	82.41	4.48	4.48a	2411
5	26.00	0.00	23.41	6.39	117.65	6.39	6.39a	2411
6	25.60	0.00	31.25	8.54	157.09	8.54	8.54a	2411
7	25.20	0.00	39.06	10.67	196.33	10.67	10.67a	2411
8	24.85	0.00	45.90	12.54	230.69	12.54	12.54a	2411
9	24.50	0.00	52.75	14.41	265.13	14.41	14.41a	2411
		0.00	52.75	13.17	305.31	13.17	13.17a	5167
10	24.06	0.00	61.39	15.33	355.30	15.33	15.33a	5167
11	23.62	0.00	70.05	17.49	405.42	17.49	17.49a	5167
12	23.06	4.60	76.49	19.10	442.72	19.10	23.70a	5167
13	22.50	9.20	82.94	20.71	480.03	20.71	29.91a	5167
		Total>	92.13	22.50m	235.53	32.50	32.50	9435
14	21.98	Total>	103.31	25.08m	254.70	42.06	42.06	9961
15	21.61	Total>	111.43	26.95m	268.65	49.86	49.86	10345
16	21.30	Total>	118.02	28.48m	279.99	56.65	56.65	10656
17	21.00	Total>	124.61	30.00m	291.31	63.76	63.76	10968
18	20.40	Total>	137.52	33.00m	313.54	78.42	78.42	11582
19	19.80	Total>	150.38	36.00m	335.72	93.64	93.64	12195
20	19.20	Total>	163.19	39.00m	357.85	109.13	109.13	12808
21	18.60	Total>	175.95	42.00m	379.93	124.78	124.78	13421
22	18.00	Total>	188.65	45.00m	401.95	140.58	140.58	14035
23	17.50	Total>	199.21	47.50m	420.28	153.93	153.93	14546
24	17.00	Total>	209.73	50.00m	438.57	167.93	167.93	15057

Node no.	Y coord	RIGHT side					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Effective Active limit	Effective Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
3	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.0
4	26.35	0.00	0.00	0.00	0.00	0.00	0.00	0.0
5	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
6	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.0
7	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.0
8	24.85	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10	24.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11	23.62	0.00	0.00	0.00	0.00	0.00	0.00	0.0
12	23.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
13	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		Total>	0.00	0.00	157.22	82.08	82.08	13517
16	21.30	Total>	6.41	1.52m	168.37	88.18	88.18	13924
17	21.00	Total>	12.81	3.05m	179.51	93.85	93.85	14331
18	20.40	Total>	25.42	6.05m	201.44	104.09	104.09	15133
19	19.80	Total>	38.04	9.05m	223.38	113.56	113.56	15934
20	19.20	Total>	50.69	12.05m	245.35	122.64	122.64	16735

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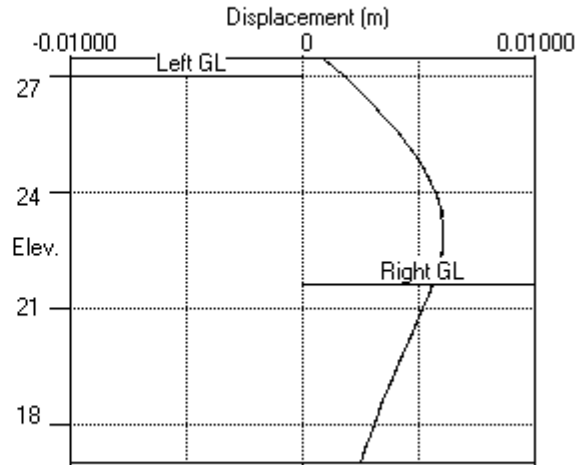
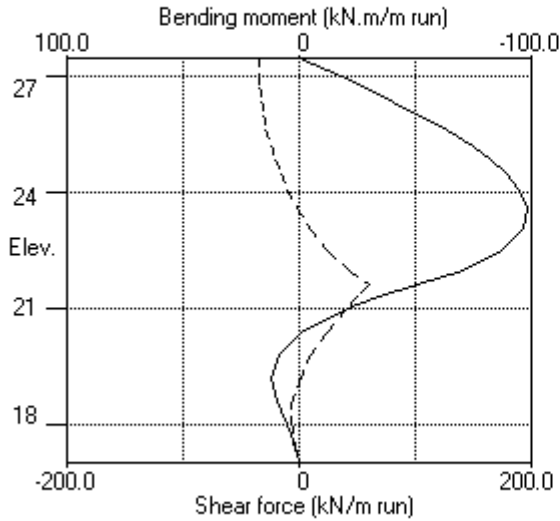
Stage No.6 Excavate to elevation 21.61 on RIGHT side

Node no.	Y coord	----- RIGHT side -----					Total earth pressure	Coeff. of subgrade reaction
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
21	18.60	Total>	63.36	15.05m	267.34	131.49	131.49	17537
22	18.00	Total>	76.06	18.05m	289.36	140.10	140.10	18338
23	17.50	Total>	86.68	20.55m	307.75	147.02	147.02	19006
24	17.00	Total>	97.32	23.05m	326.16	153.21	153.21	19673

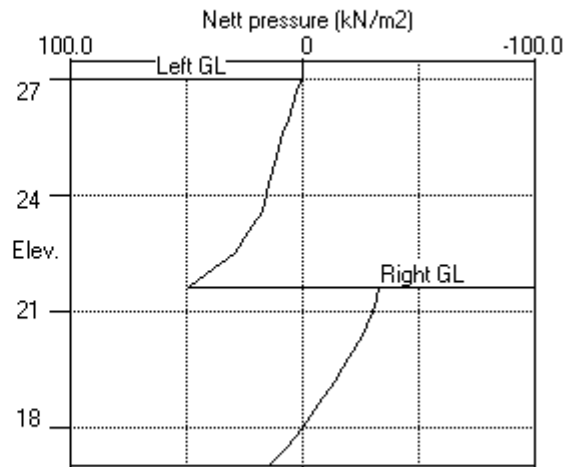
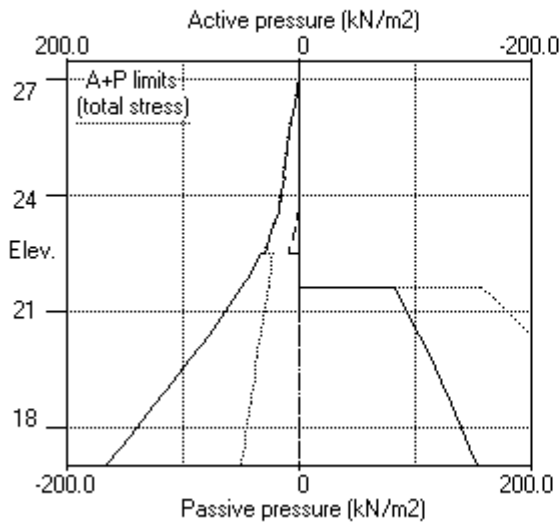
Note: 29.91a Soil pressure at active limit
 123.45p Soil pressure at passive limit

Units: kN,m

Stage No.6 Excav. to elev. 21.61 on RIGHT side



Stage No.6 Excav. to elev. 21.61 on RIGHT side



Units: kN,m

Stage No. 10 Change properties of soil type 3 to soil type 4
 Ko pressures will be reset

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method
 Factor of safety on soil strength

Stage No.	--- G.L. --- Act. Pass.	Strut Elev.	FoS for toe elev. = 17.00	Moment of equilib. at elev.	Toe elev. for FoS = 1.000	Wall Penetr -ation	Direction of failure
10	27.00 21.61			More than one strut.	No FoS calc.		

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: Serviceability Limit State

Calculated Bending Moments and Strut Forces are to be multiplied by a factor of 1.35 to obtain values for structural design. See summary for factored values.

*** Wall displacements reset to zero at stage 3

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.001	-1.26E-03	0.0	-0.0		166253
2	27.00	0.00	0.002	-1.26E-03	0.0	0.0		166253
3	26.70	2.51	0.002	-1.26E-03	0.4	0.0	31.7	166253
		2.51	0.002	-1.26E-03	-31.4	0.0		
4	26.35	4.85	0.003	-1.25E-03	-30.1	-10.7		166253
5	26.00	7.14	0.003	-1.22E-03	-28.0	-20.9		166253
6	25.60	9.73	0.004	-1.15E-03	-24.6	-31.5		166253
7	25.20	12.20	0.004	-1.07E-03	-20.2	-40.5		166253
8	24.85	14.25	0.005	-9.80E-04	-15.6	-46.8		166253
9	24.50	16.21	0.005	-8.76E-04	-10.3	-51.3		166253
		17.03	0.005	-8.76E-04	-10.3	-51.3		
10	24.06	19.09	0.005	-7.35E-04	-2.3	-54.1		166253
11	23.62	20.75	0.006	-5.91E-04	6.5	-53.2		166253
12	23.06	25.67	0.006	-4.23E-04	19.5	-46.0		166253
13	22.50	29.96	0.006	-2.94E-04	35.0	-30.7		166253
		60.26	0.006	-2.94E-04	35.0	-30.7		
14	21.98	66.79	0.006	-2.43E-04	67.7	-4.2	142.9	166253
		66.79	0.006	-2.43E-04	-75.2	-4.2		
15	21.61	71.00	0.006	-2.11E-04	-49.3	-27.5		166253
		56.17	0.006	-2.11E-04	-49.3	-27.5		
16	21.30	49.58	0.006	-1.52E-04	-33.2	-40.0		166253
17	21.00	42.88	0.006	-7.49E-05	-19.1	-47.9		166253
18	20.40	29.74	0.006	9.95E-05	2.7	-52.4		166253
19	19.80	16.99	0.006	2.71E-04	16.7	-46.3		166253
20	19.20	4.84	0.006	4.11E-04	23.3	-34.1		166253
21	18.60	-6.72	0.006	5.06E-04	22.7	-20.2		166253
22	18.00	-12.90	0.005	5.56E-04	16.8	-8.5		166253

(continued)

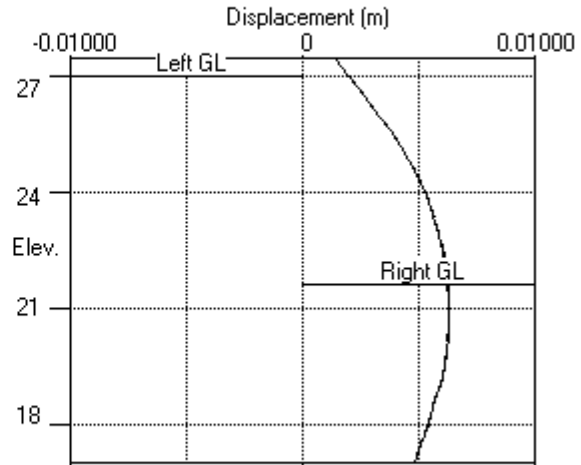
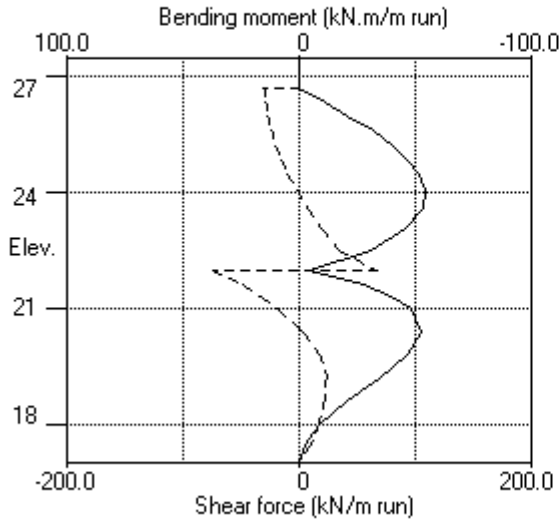
Stage No.10 Change properties of soil type 3 to soil type 4
 Ko pressures will be reset

Node no.	Y coord	----- RIGHT side -----						Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertical	Effective Active limit	Effective Passive limit	Earth pressure	Effective stresses		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3	
13	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
14	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
15	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
16	21.30	0.00	0.00	0.00	14.83	14.83	14.83p	7058	
17	21.00	3.60	2.81	0.00	21.00	21.00	24.60p	7269	
18	21.00	7.19	5.62	0.00	27.18	27.18	34.37p	7481	
19	20.40	14.27	11.15	0.00	39.34	39.34	53.61p	7896	
20	19.80	21.34	16.70	0.85	51.54	51.54	72.88p	8311	
21	19.20	28.41	22.27	3.39	63.78	63.78	92.19p	8726	
22	18.60	35.49	27.87	5.93	76.08	76.08	111.57p	9141	
23	18.00	42.56	33.50	8.50	88.46	88.46	131.02p	9556	
24	17.50	48.46	38.22	10.64	98.83	98.83	147.29p	9902	
24	17.00	54.35	42.97	12.80	109.27	109.27	163.62p	10248	

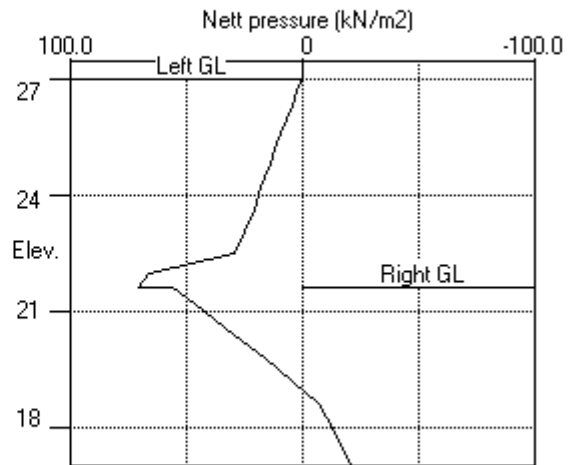
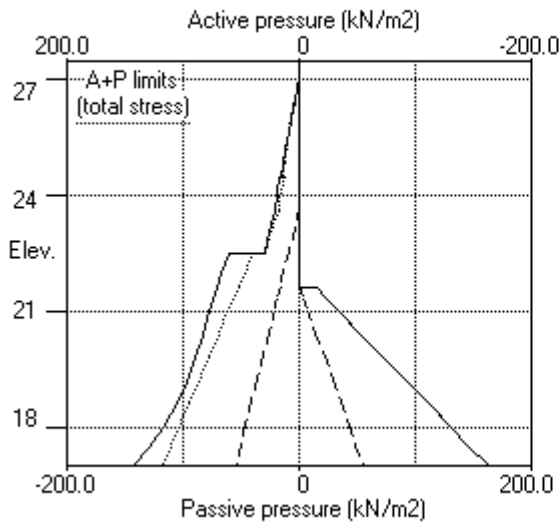
Note: 12.34a Soil pressure at active limit
 163.62p Soil pressure at passive limit

Units: kN,m

Stage No.10 Change soil type 3 to soil type 4



Stage No.10 Change soil type 3 to soil type 4



Units: kN,m

Stage No. 11 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

Stage No.	--- G.L. Act.	--- Pass.	Strut Elev.	FoS for toe elev. = 17.00	Moment of equilb. at elev.	Toe elev. for FoS = 1.000	Wall Penetr-ation	Direction of failure
11	27.00	21.61			More than one strut.	No FoS calc.		

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: Serviceability Limit State

Calculated Bending Moments and Strut Forces are to be multiplied by a factor of 1.35 to obtain values for structural design. See summary for factored values.

*** Wall displacements reset to zero at stage 3

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.001	-1.35E-03	0.0	-0.0		118752
2	27.00	0.00	0.002	-1.35E-03	0.0	0.0		118752
3	26.70	2.76	0.002	-1.35E-03	0.4	0.0	28.0	118752
		2.76	0.002	-1.35E-03	-27.6	0.0		
4	26.35	4.78	0.003	-1.33E-03	-26.2	-9.7		118752
5	26.00	6.97	0.003	-1.29E-03	-24.2	-18.8		118752
6	25.60	9.45	0.004	-1.21E-03	-20.9	-28.3		118752
7	25.20	11.84	0.004	-1.11E-03	-16.6	-36.2		118752
8	24.85	13.85	0.005	-1.00E-03	-12.2	-41.5		118752
9	24.50	15.79	0.005	-8.77E-04	-7.0	-45.2		118752
		16.13	0.005	-8.77E-04	-7.0	-45.2		
10	24.06	18.23	0.005	-7.12E-04	0.6	-46.9		118752
11	23.62	20.01	0.006	-5.48E-04	9.0	-45.1		118752
12	23.06	25.17	0.006	-3.66E-04	21.7	-36.8		118752
13	22.50	29.91	0.006	-2.45E-04	37.1	-20.4		118752
		60.05	0.006	-2.45E-04	37.1	-20.4		
14	21.98	66.71	0.006	-2.32E-04	69.7	7.0	147.5	118752
		66.71	0.006	-2.32E-04	-77.7	7.0		
15	21.61	70.89	0.006	-2.29E-04	-51.9	-17.0		118752
		56.07	0.006	-2.29E-04	-51.9	-17.0		
16	21.30	49.41	0.006	-1.80E-04	-35.9	-30.1		118752
17	21.00	42.63	0.006	-1.02E-04	-21.8	-38.6		118752
18	20.40	29.36	0.006	8.82E-05	-0.2	-44.4		118752
19	19.80	16.59	0.006	2.84E-04	13.6	-39.8		118752
20	19.20	4.57	0.006	4.45E-04	19.9	-29.2		118752
21	18.60	-6.74	0.006	5.53E-04	19.3	-17.0		118752

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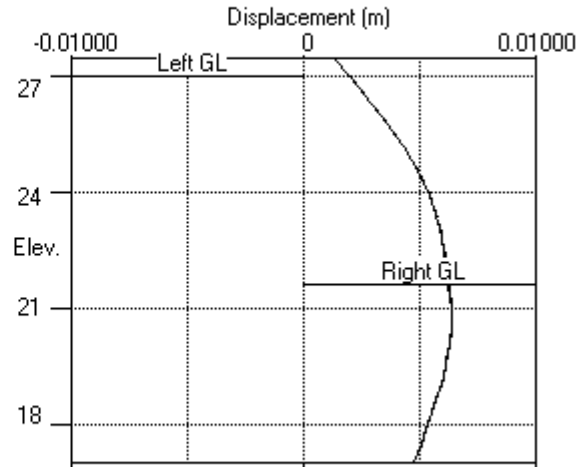
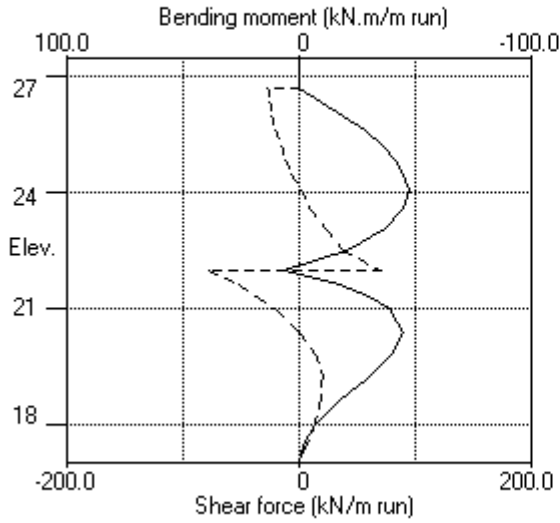
Stage No.11 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

Node no.	Y coord	RIGHT side						
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2	Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
11	23.62	0.00	0.00	0.00	0.00	0.00	0.00	0.0
12	23.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
13	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
16	21.30	0.00	0.00	0.00	14.83	14.83	14.83p	9751
17	21.00	3.60	2.81	0.00	21.00	21.00	24.60p	10043
18	20.40	7.19	5.62	0.00	27.18	27.18	34.37p	10335
19	20.40	14.27	11.15	0.00	39.34	39.34	53.61p	10908
20	19.80	21.34	16.70	0.85	51.54	51.54	72.88p	11482
21	19.20	28.41	22.27	3.39	63.78	63.78	92.19p	12055
22	18.60	35.49	27.87	5.93	76.08	76.08	111.57p	12629
23	18.00	42.56	33.50	8.50	88.46	87.71	130.27	26347
24	17.50	48.46	38.22	10.64	98.83	97.35	145.80	27301
24	17.00	54.35	42.97	12.80	109.27	106.99	161.34	28255

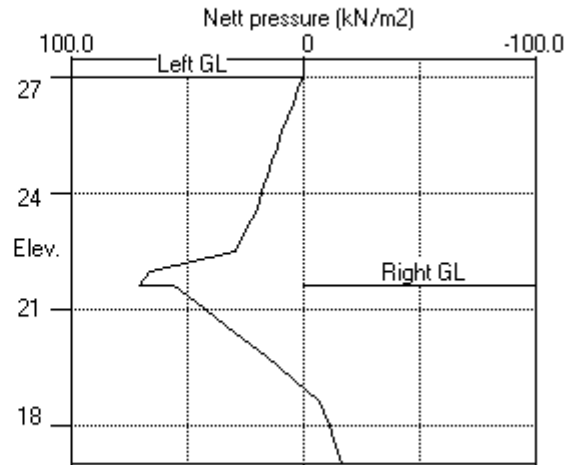
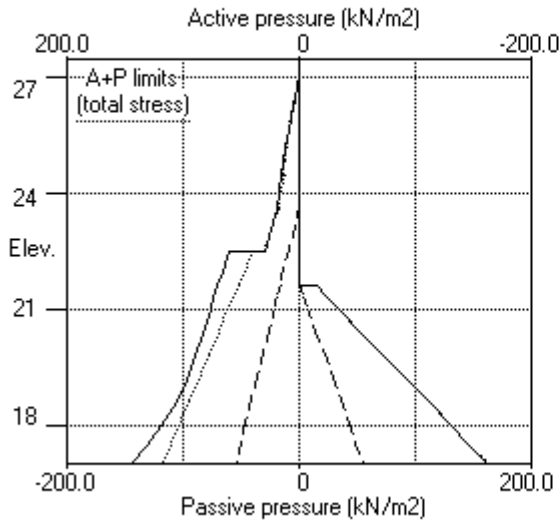
Note: 29.91a Soil pressure at active limit
 111.57p Soil pressure at passive limit

Units: kN,m

Stage No.11 Change EI of wall to 118752kN.m2/m run



Stage No.11 Change EI of wall to 118752kN.m2/m run



Summary of results (continued)

Calculated Bending Moments and Strut Forces have been multiplied by a factor of 1.35 to obtain values for structural design.

Maximum and minimum bending moment and shear force at each stage

Stage no.	Bending moment						Shear force					
	Calculated			Factored			Calculated			Factored		
	max.	elev.	min.	max.	min.	max.	elev.	min.	elev.	max.	min.	
	kN.m/m		kN.m/m		kN.m/m		kN/m		kN/m		kN/m	
1	0	24.06	-1	21.30	0	-1	0	24.50	-1	22.50	1	-1
2	1	24.06	-2	21.00	1	-2	1	18.60	-2	22.50	1	-2
3	1	24.06	-2	21.00	1	-2	1	18.60	-2	22.50	1	-2
4	No calculation at this stage											
5	0	17.50	-3	22.50	0	-3	1	19.80	-2	23.06	1	-2
6	12	19.20	-98	23.62	16	-132	60	21.61	-35	27.50	81	-48
7	No calculation at this stage											
8	No calculation at this stage											
9	10	19.20	-93	23.06	14	-125	57	21.61	-42	26.70	77	-57
10	0	26.70	-54	24.06	0	-73	68	21.98	-75	21.98	91	-101
11	7	21.98	-47	24.06	9	-63	70	21.98	-78	21.98	94	-105
12	0	26.70	-51	24.06	0	-69	67	21.98	-65	21.98	90	-88
13	6	21.98	-76	24.06	7	-103	102	21.98	-64	21.98	137	-87

Maximum and minimum displacement at each stage

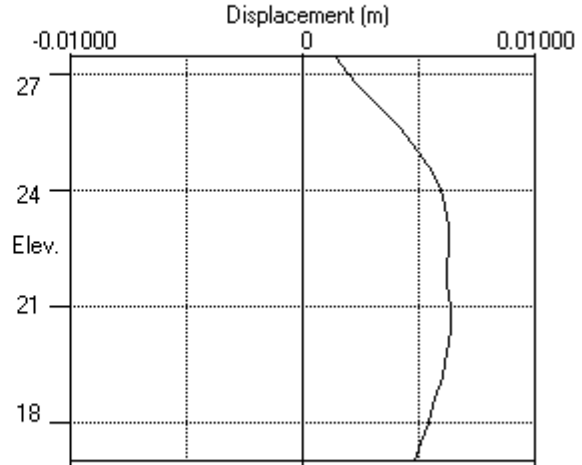
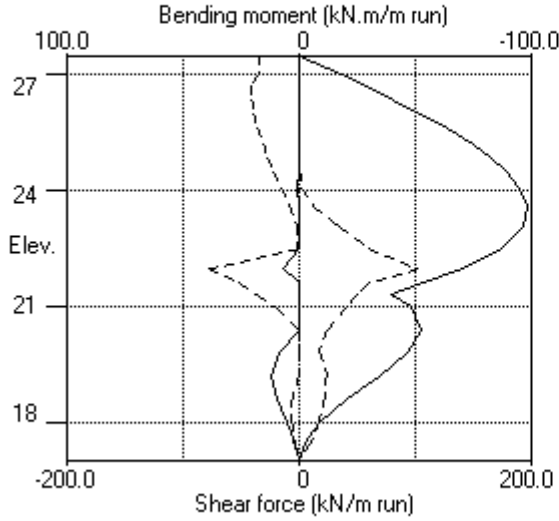
Stage no.	Displacement				Stage description
	maximum	elev.	minimum	elev.	
	m		m		
1	0.000	27.50	0.000	27.50	Apply surcharge no.1 at elev. 27.00
2	0.000	19.80	0.000	27.50	Apply surcharge no.2 at elev. 27.00
3	0.000	20.40	-0.000	27.50	Change EI of wall to 166253kN.m2/m run
4	No calculation at this stage				
5	0.000	23.06	-0.000	17.00	Install strut no.3 at elev. 27.50
6	0.006	23.06	0.000	27.50	Apply water pressure profile no.2
7	Excav. to elev. 21.61 on RIGHT side				
8	No calculation at this stage				
9	Install strut no.1 at elev. 21.98				
10	No calculation at this stage				
11	Install strut no.2 at elev. 26.70				
12	Remove strut no.3 at elev. 27.50				
13	Change soil type 3 to soil type 4				
1	0.006	21.00	0.000	27.50	Change EI of wall to 118752kN.m2/m run
2	0.006	20.40	0.000	27.50	Change EI of wall to 118752kN.m2/m run
3	0.006	21.30	0.000	27.50	Apply surcharge no.3 at elev. 21.61
4	0.006	23.06	0.000	27.50	Apply water pressure profile no.3

Strut forces at each stage (horizontal components)

Stage no.	Strut no. 1			Strut no. 2			Strut no. 3		
	at elev. 21.98			at elev. 26.70			at elev. 27.50		
	--Calculated--	Factored		--Calculated--	Factored		--Calculated--	Factored	
	kN per	kN per	kN per	kN per	kN per	kN per	kN per	kN per	kN per
	m run	strut	strut	m run	strut	strut	m run	strut	strut
5	---	---	---	---	---	---	0	0	0
6	---	---	---	---	---	---	35	35	48
9	slack	slack	slack	43	43	58	---	---	---
10	143	143	193	32	32	43	---	---	---
11	147	147	199	28	28	38	---	---	---
12	132	132	178	29	29	40	---	---	---
13	166	166	224	41	41	56	---	---	---

Units: kN,m

Bending moment, shear force, displacement envelopes



Units: kN,m

INPUT DATA

SOIL PROFILE

Stratum no.	Elevation of top of stratum	Soil types	
		Left side	Right side
1	27.00	2 MG (drained)	2 MG (drained)
2	24.50	1 Lynch Hill Gravels	1 Lynch Hill Gravels
3	22.50	3 LCF (undrained)	3 LCF (undrained)

SOIL PROPERTIES (Unfactored SLS soil strengths)

-- Soil type --	Bulk density	Young's Modulus	At rest coeff.	Consol state.	Active limit	Passive limit	Cohesion
No. Description (Datum elev.)	kN/m3	Eh, kN/m2 (dEh/dy)	Ko (dKo/dy)	NC/OC (Nu)	Ka (Kac)	Kp (Kpc)	kN/m2 (dc/dy)
1 Lynch Hill Gravels	19.00	30000	0.470	OC (0.200)	0.250 (0.000)	5.788 (0.000)	
2 MG (drained)	19.00	14000	0.500	OC (0.200)	0.273 (0.000)	5.026 (0.000)	
3 LCF (undr.. (22.50)	21.00	36000 (3900)	1.000	OC (0.490)	1.000 (2.389)	1.000 (2.390)	60.00u (6.500)
4 LCF (drai.. (22.50)	21.00	27000 (2900)	0.625	OC (0.200)	0.455 (1.349)	2.198 (2.965)	5.000d
5 Fill	20.00	50000	0.384	OC (0.200)	0.197 (0.000)	8.446 (0.000)	

Additional soil parameters associated with Ka and Kp

Soil type	--- parameters for Ka ---			--- parameters for Kp ---		
	Soil friction	Wall adhesion	Back-fill	Soil friction	Wall adhesion	Back-fill
No. Description	angle	coeff.	angle	angle	coeff.	angle
1 Lynch Hill Gravels	32.00	1.000	0.00	32.00	1.000	0.00
2 MG (drained)	30.00	1.000	0.00	30.00	1.000	0.00
3 LCF (undrained)	0.00	0.500	0.00	0.00	0.500	0.00
4 LCF (drained)	22.00	0.000	0.00	22.00	0.000	0.00
5 Fill	38.00	0.670	0.00	38.00	0.670	0.00

GROUND WATER CONDITIONS

Density of water = 10.00 kN/m3

Initial water pressure profile = Profile number 1

Automatic water pressure balancing at toe of wall : Yes

Water press. profile no.	Left side				Right side			
	Point no.	Elev. m	Piezo elev. m	Water press. kN/m2	Point no.	Elev. m	Piezo elev. m	Water press. kN/m2
1	1	23.62	23.62	0.0	1	23.62	23.62	0.0
2	1	23.62	23.62	0.0	1	21.11	21.11	0.0 MC+WC
					2	21.11	21.11	0.0
3	1	26.00	26.00	0.0	1	21.61	21.61	0.0 MC+WC
					2	21.61	26.00	43.9

WALL PROPERTIES

Type of structure = Fully Embedded Wall
 Elevation of toe of wall = 18.00
 Maximum finite element length = 0.50 m
 Youngs modulus of wall E = 2.8000E+07 kN/m2
 Moment of inertia of wall I = 8.4800E-03 m4/m run
 E.I = 237440 kN.m2/m run
 Yield Moment of wall = Not defined

STRUTS and ANCHORS

Strut/ anchor no.	Elev.	Strut spacing m	X-section area of strut sq.m	Youngs modulus kN/m2	Free length m	Inclin -ation (degs)	Pre- stress /strut kN	Tension allowed
1	21.98	1.00	0.750000	1.500E+07	25.00	0.00	0	No
2	26.70	1.00	0.600000	1.500E+07	25.00	0.00	0	No
3	27.50	1.00	1.000000	40000	1.00	0.00	0	No

SURCHARGE LOADS

Surch -arge no.	Elev.	Distance from wall	Length parallel to wall	Width perpend. to wall	Surcharge ----- kN/m2 ----- Near edge Far edge		Equiv. soil type	Partial factor/ Category
1	27.00	0.10(L)	30.00	5.00	5.00	=	N/A	1.30 Var
2	27.00	5.10(L)	30.00	8.00	20.00	=	N/A	1.30 Var
3	21.61	-0.00(R)	30.00	25.00	44.00	=	N/A	1.00 -

Note: L = Left side, R = Right side

Limit State Categories P/U = Permanent Unfavourable
P/F = Permanent Favourable
Var = Variable (unfavourable)

CONSTRUCTION STAGES

Construction stage no.	Stage description
1	Apply surcharge no.1 at elevation 27.00
2	Apply surcharge no.2 at elevation 27.00
3	Change EI of wall to 166253 kN.m2/m run Yield moment not defined Reset wall displacements to zero at this stage
4	Install strut or anchor no.3 at elevation 27.50
5	Apply water pressure profile no.2 (Worst Cred.)
6	Excavate to elevation 21.11 on RIGHT side
7	Fill to elevation 21.61 on RIGHT side with soil type 5
8	Install strut or anchor no.1 at elevation 21.98
9	Install strut or anchor no.2 at elevation 26.70
10	Remove strut or anchor no.3 at elevation 27.50
11	Change properties of soil type 3 to soil type 4 Ko pressures will be reset
12	Change EI of wall to 118752 kN.m2/m run Yield moment not defined Allow wall to relax with new modulus value
13	Apply surcharge no.3 at elevation 21.61
14	Apply water pressure profile no.3 (Worst Cred.)

FACTORS OF SAFETY and ANALYSIS OPTIONS

Limit State options: ULS DA1 Combination 2

Water pressures : Worst Credible

Partial factor on C' = 1.250

Partial factor on Phi' = 1.250

Partial factor on Cu = 1.400

Partial factor on Soil Modulus = 1.000

Partial factor on Permanent Unfavourable loads = 1.000

Partial factor on Permanent Favourable loads = 1.000

Partial factor on Variable Unfavourable loads = 1.300

Stability analysis:

Method of analysis - Strength Factor method

Overall factor on soil strength for calculating wall depth = 1.00

Parameters for undrained strata:

Minimum equivalent fluid density = 5.00 kN/m3

Maximum depth of water filled tension crack = 0.00 m

Bending moment and displacement calculation:

Method - Subgrade reaction model using Influence Coefficients

Open Tension Crack analysis? - No

Non-linear Modulus Parameter (L) = 9.000 m

Boundary conditions:

Length of wall (normal to plane of analysis) = 20.00 m

Width of excavation on Left side of wall = 20.00 m

Width of excavation on Right side of wall = 20.00 m

Distance to rigid boundary on Left side = 20.00 m

Distance to rigid boundary on Right side = 20.00 m

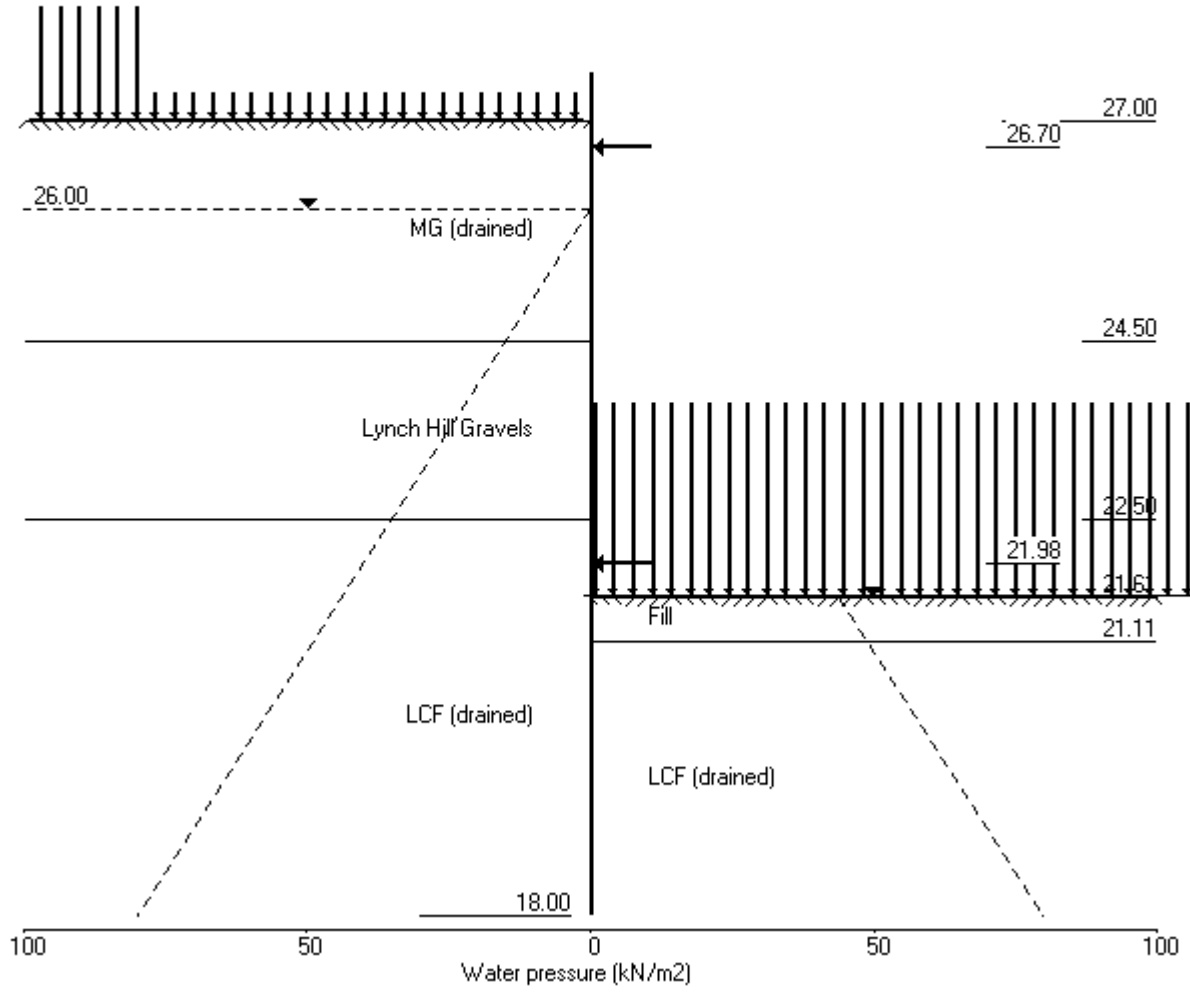
OUTPUT OPTIONS

Stage no.	Stage description	Displacement Bending mom. Shear force	Active, Passive pressures	Graph. output
1	Apply surcharge no.1 at elev. 27.00	Yes	Yes	Yes
2	Apply surcharge no.2 at elev. 27.00	Yes	Yes	Yes
3	Change EI of wall to 166253kN.m2/m run	Yes	Yes	Yes
4	Install strut no.3 at elev. 27.50	Yes	Yes	Yes
5	Apply water pressure profile no.2	Yes	Yes	Yes
6	Excav. to elev. 21.11 on RIGHT side	Yes	Yes	Yes
7	Fill to elev. 21.61 on RIGHT side	Yes	Yes	Yes
8	Install strut no.1 at elev. 21.98	Yes	Yes	Yes
9	Install strut no.2 at elev. 26.70	Yes	Yes	Yes
10	Remove strut no.3 at elev. 27.50	Yes	Yes	Yes
11	Change soil type 3 to soil type 4	Yes	Yes	Yes
12	Change EI of wall to 118752kN.m2/m run	No	Yes	Yes
13	Apply surcharge no.3 at elev. 21.61	Yes	Yes	Yes
14	Apply water pressure profile no.3	Yes	Yes	Yes
*	Summary output	Yes	-	Yes

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Units: kN,m

Stage No.14 Apply water pressure profile no.3 (Worst Cred.)



Units: kN,m

Stage No. 3 Change EI of wall to 166253 kN.m2/m run
 Yield moment not defined
 Reset wall displacements to zero at this stage

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

		Overall					
		FoS for toe		Toe elev. for			
		elev. = 18.00		FoS = 1.000			
		-----		-----			
Stage No.	--- G.L. --- Act. Pass.	Strut Elev.	Factor of Safety	Moment of equilib. at elev.	Toe elev.	Wall Penetr-ation	Direction of failure
3	27.00 27.00	Cant.	<u>Conditions not suitable for FoS calc.</u>				

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 3

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	-0.000	-1.38E-17	0.0	0.0		166253
2	27.00	0.00	-0.000	-1.38E-17	0.0	-0.0		166253
3	26.70	0.30	-0.000	-1.38E-17	0.0	0.0		166253
4	26.35	0.31	-0.000	-1.39E-17	0.2	0.1		166253
5	26.00	0.23	-0.000	-1.45E-17	0.2	0.1		166253
6	25.50	0.27	-0.000	-1.68E-17	0.4	0.3		166253
7	25.00	0.30	-0.000	-2.16E-17	0.5	0.5		166253
8	24.50	0.33	-0.000	-2.96E-17	0.7	0.8		166253
		-1.25	-0.000	-2.96E-17	0.7	0.8		
9	24.06	-1.29	-0.000	-4.02E-17	0.1	1.0		166253
10	23.62	-1.33	-0.000	-5.48E-17	-0.5	0.9		166253
11	23.31	-1.36	-0.000	-6.80E-17	-0.9	0.7		166253
12	23.00	-1.39	-0.000	-8.39E-17	-1.3	0.4		166253
13	22.50	-1.45	-0.000	-1.15E-16	-2.0	-0.4		166253
		1.72	-0.000	-1.15E-16	-2.0	-0.4		
14	22.24	1.61	0.000	-1.35E-16	-1.6	-0.9		166253
15	21.98	1.49	0.000	-1.56E-16	-1.2	-1.3		166253
16	21.61	1.30	0.000	-1.91E-16	-0.7	-1.6		166253
17	21.11	1.03	0.000	-2.40E-16	-0.1	-1.7		166253
18	20.80	0.86	0.000	-2.70E-16	0.2	-1.7		166253
19	20.50	0.68	0.000	-2.98E-16	0.4	-1.6		166253
20	20.00	0.37	0.000	-3.28E-16	0.7	-1.3		166253
21	19.50	0.04	0.000	-3.33E-16	0.8	-0.9		166253
22	19.00	-0.32	0.000	-3.26E-16	0.7	-0.5		166253
23	18.50	-0.72	0.000	-3.17E-16	0.5	-0.1		166253
24	18.00	-1.16	0.000	-3.12E-16	-0.0	0.0		---

(continued)

Stage No.3 Change EI of wall to 166253 kN.m2/m run
 Yield moment not defined
 Reset wall displacements to zero at this stage

Node no.	Y coord	LEFT side					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Active limit	Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	3710
3	26.70	0.00	9.63	3.31	34.48	3.54	3.54	3710
4	26.35	0.00	17.61	6.05	63.06	6.99	6.99	3710
5	26.00	0.00	24.73	8.49	88.55	10.33	10.33	3710
6	25.50	0.00	34.62	11.88	123.96	15.15	15.15	3710
7	25.00	0.00	44.46	15.26	159.18	19.96	19.96	3710
8	24.50	0.00	54.33	18.65	194.52	24.77	24.77	3710
		0.00	54.33	17.27	217.36	22.55	22.55	7949
9	24.06	0.00	63.05	20.04	252.25	26.51	26.51	7949
10	23.62	0.00	71.80	22.82	287.26	30.47	30.47	7949
11	23.31	3.10	74.87	23.80	299.57	31.80	34.90	7949
12	23.00	6.20	77.95	24.78	311.90	33.13	39.33	7949
13	22.50	11.20	82.92	26.36	331.78	35.27	46.47	7949
		Total>	94.12	22.50m	196.57	90.50	90.50	13839
14	22.24	Total>	99.77	23.79m	205.07	95.97	95.97	19677
15	21.98	Total>	105.40	25.08m	213.57	101.43	101.43	20211
16	21.61	Total>	113.60	26.95m	225.93	109.36	109.36	20988
17	21.11	Total>	124.50	29.45m	242.37	119.92	119.92	22025
18	20.80	Total>	131.12	30.98m	252.38	126.34	126.34	22658
19	20.50	Total>	137.73	32.50m	262.38	132.75	132.75	23290
20	20.00	Total>	148.53	35.00m	278.72	143.24	143.24	24327
21	19.50	Total>	159.28	37.50m	295.02	153.70	153.70	25364
22	19.00	Total>	169.98	40.00m	311.27	164.11	164.11	26401
23	18.50	Total>	180.64	42.50m	327.48	174.49	174.49	27438
24	18.00	Total>	191.25	45.00m	343.64	184.83	184.83	28475

Node no.	Y coord	RIGHT side					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Active limit	Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	3710
3	26.70	0.00	5.70	1.96	20.41	3.23	3.23	3710
4	26.35	0.00	12.35	4.24	44.22	6.68	6.68	3710
5	26.00	0.00	19.00	6.52	68.03	10.10	10.10	3710
6	25.50	0.00	28.50	9.78	102.05	14.88	14.88	3710
7	25.00	0.00	38.00	13.04	136.06	19.66	19.66	3710
8	24.50	0.00	47.50	16.30	170.08	24.44	24.44	3710
		0.00	47.50	15.10	190.05	23.80	23.80	7949
9	24.06	0.00	55.86	17.76	223.50	27.80	27.80	7949
10	23.62	0.00	64.22	20.41	256.95	31.80	31.80	7949
11	23.31	3.10	67.01	21.30	268.11	33.16	36.26	7949
12	23.00	6.20	69.80	22.19	279.27	34.52	40.72	7949
13	22.50	11.20	74.30	23.62	297.28	36.72	47.92	7949
		Total>	85.50	22.50m	187.94	88.78	88.78	13839
14	22.24	Total>	90.91	23.79m	196.21	94.36	94.36	19677
15	21.98	Total>	96.32	25.08m	204.47	99.94	99.94	20211
16	21.61	Total>	104.19	26.95m	216.51	108.06	108.06	20988

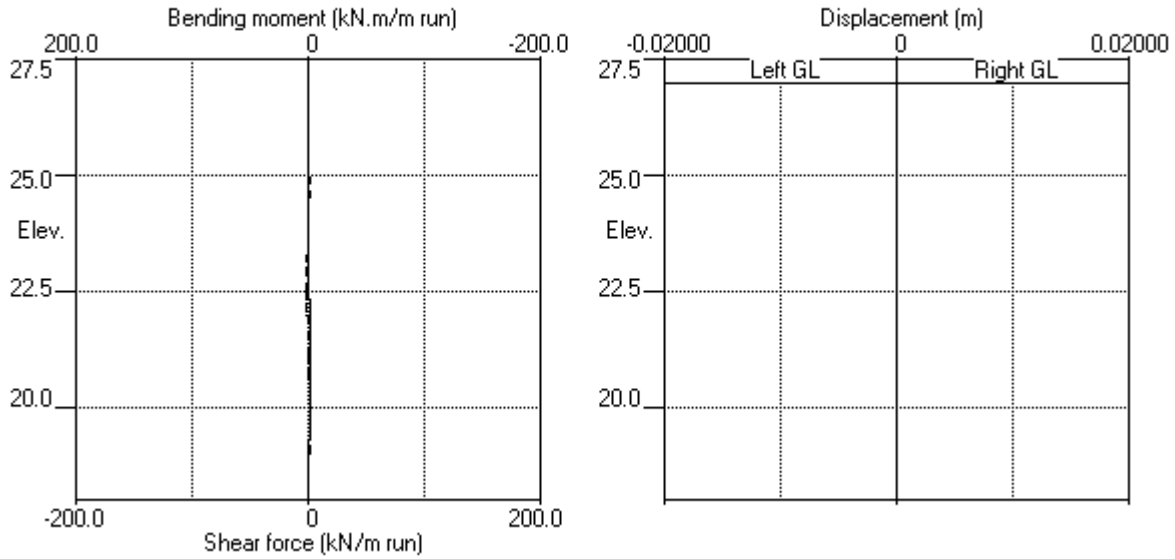
(continued)

Stage No.3 Change EI of wall to 166253 kN.m2/m run
 Yield moment not defined
 Reset wall displacements to zero at this stage

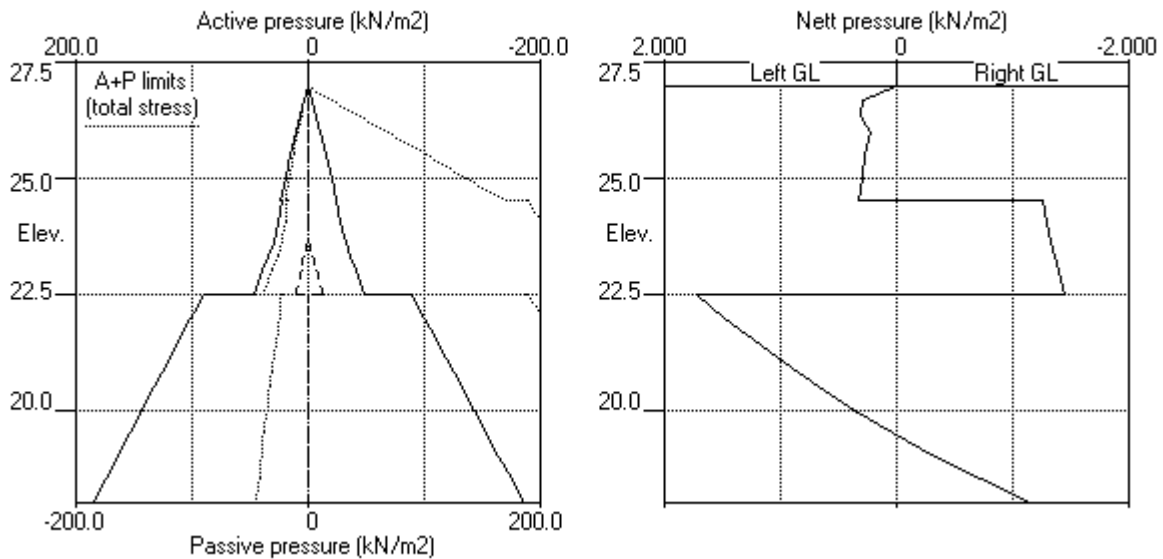
Node no.	Y coord	----- RIGHT side -----					Total earth pressure	Coeff. of subgrade reaction
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
17	21.11	Total>	114.69	29.45m	232.56	118.89	118.89	22025
18	20.80	Total>	121.10	30.98m	242.35	125.49	125.49	22658
19	20.50	Total>	127.50	32.50m	252.14	132.08	132.08	23290
20	20.00	Total>	138.00	35.00m	268.19	142.88	142.88	24327
21	19.50	Total>	148.50	37.50m	284.24	153.66	153.66	25364
22	19.00	Total>	159.00	40.00m	300.29	164.44	164.44	26401
23	18.50	Total>	169.50	42.50m	316.34	175.21	175.21	27438
24	18.00	Total>	180.00	45.00m	332.39	185.98	185.98	28475

Units: kN,m

Stage No.3 Change EI of wall to 166253kN.m²/m run



Stage No.3 Change EI of wall to 166253kN.m²/m run



Units: kN,m

Stage No. 6 Excavate to elevation 21.11 on RIGHT side

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method
 Factor of safety on soil strength

		Overall		FoS for toe		Toe elev. for			
				elev. = 18.00		FoS = 1.000			
Stage No.	--- G.L. Act.	--- Pass.	Strut Elev.	Factor of Safety	Moment of equil. at elev.	Toe elev.	Wall Penetr-ation	Direction of failure	
6	27.00	21.11	27.50	1.743	n/a	20.41	0.70	L to R	

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 3

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.001	-2.14E-03	-45.5	-0.0	45.5	166253
2	27.00	0.00	0.002	-2.10E-03	-45.5	-22.8		166253
3	26.70	3.31	0.003	-2.05E-03	-45.0	-36.4		166253
4	26.35	6.05	0.004	-1.96E-03	-43.4	-51.9		166253
5	26.00	8.49	0.004	-1.83E-03	-40.9	-66.6		166253
6	25.50	11.88	0.005	-1.60E-03	-35.8	-85.9		166253
7	25.00	15.26	0.006	-1.32E-03	-29.0	-102.1		166253
8	24.50	18.65	0.006	-9.94E-04	-20.5	-114.6		166253
		17.27	0.006	-9.94E-04	-20.5	-114.6		
9	24.06	20.04	0.007	-6.79E-04	-12.3	-121.8		166253
10	23.62	22.82	0.007	-3.50E-04	-2.9	-125.2		166253
11	23.31	26.29	0.007	-1.15E-04	4.7	-124.9		166253
12	23.00	29.76	0.007	1.16E-04	13.4	-122.1		166253
13	22.50	35.36	0.007	4.67E-04	29.7	-111.5		166253
		22.50	0.007	4.67E-04	29.7	-111.5		
14	22.24	23.79	0.007	6.32E-04	35.7	-103.0		166253
15	21.98	28.43	0.007	7.81E-04	42.4	-92.2		166253
16	21.61	37.31	0.006	9.66E-04	54.7	-74.1		166253
17	21.11	50.66	0.006	1.13E-03	76.7	-41.6		166253
		-65.79	0.006	1.13E-03	76.7	-41.6		
18	20.80	-59.76	0.005	1.18E-03	57.6	-21.3		166253
19	20.50	-52.74	0.005	1.21E-03	40.4	-6.5		166253
20	20.00	-39.65	0.004	1.20E-03	17.3	7.1		166253
21	19.50	-25.18	0.004	1.17E-03	1.1	10.8		166253
22	19.00	-9.61	0.003	1.14E-03	-7.6	8.2		166253
23	18.50	7.13	0.003	1.12E-03	-8.2	3.2		166253
24	18.00	25.71	0.002	1.12E-03	0.0	0.0		---
At elev. 27.50 Strut force =			45.5 kN/strut =		45.5 kN/m run			

(continued)

Stage No.6 Excavate to elevation 21.11 on RIGHT side

Node no.	Y coord	LEFT side					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Effective Active limit	Effective Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	2686
3	26.70	0.00	9.63	3.31	34.48	3.31	3.31a	2686
4	26.35	0.00	17.61	6.05	63.06	6.05	6.05a	2686
5	26.00	0.00	24.73	8.49	88.55	8.49	8.49a	2686
6	25.50	0.00	34.62	11.88	123.96	11.88	11.88a	2686
7	25.00	0.00	44.46	15.26	159.18	15.26	15.26a	2686
8	24.50	0.00	54.33	18.65	194.52	18.65	18.65a	2686
		0.00	54.33	17.27	217.36	17.27	17.27a	5755
9	24.06	0.00	63.05	20.04	252.25	20.04	20.04a	5755
10	23.62	0.00	71.80	22.82	287.26	22.82	22.82a	5755
11	23.31	2.21	75.76	24.08	303.14	24.08	26.29a	5755
12	23.00	4.42	79.74	25.34	319.03	25.34	29.76a	5755
13	22.50	7.98	86.14	27.38	344.66	27.38	35.36a	5755
		Total>	94.12	22.50m	196.57	22.50	22.50a	10487
14	22.24	Total>	99.77	23.79m	205.07	23.79	23.79a	10780
15	21.98	Total>	105.40	25.08m	213.57	28.43	28.43	11072
16	21.61	Total>	113.60	26.95m	225.93	37.31	37.31	11498
17	21.11	Total>	124.50	29.45m	242.37	50.66	50.66	12066
18	20.80	Total>	131.12	30.98m	252.39	59.48	59.48	12413
19	20.50	Total>	137.73	32.50m	262.38	68.69	68.69	12759
20	20.00	Total>	148.53	35.00m	278.73	84.38	84.38	13327
21	19.50	Total>	159.28	37.50m	295.03	100.58	100.58	13895
22	19.00	Total>	169.98	40.00m	311.28	117.19	117.19	14463
23	18.50	Total>	180.64	42.50m	327.48	134.23	134.23	15031
24	18.00	Total>	191.25	45.00m	343.64	152.03	152.03	15599

Node no.	Y coord	RIGHT side					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Effective Active limit	Effective Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
3	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.0
4	26.35	0.00	0.00	0.00	0.00	0.00	0.00	0.0
5	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
6	25.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
7	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
8	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9	24.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10	23.62	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11	23.31	0.00	0.00	0.00	0.00	0.00	0.00	0.0
12	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
13	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	22.24	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
17	21.11	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		Total>	0.00	0.00	117.85	116.44	116.44	19075
18	20.80	Total>	6.41	1.52m	127.64	119.25	119.25	19622
19	20.50	Total>	12.81	3.05m	137.43	121.43	121.43	20170
20	20.00	Total>	23.32	5.55m	153.49	124.03	124.03	21068

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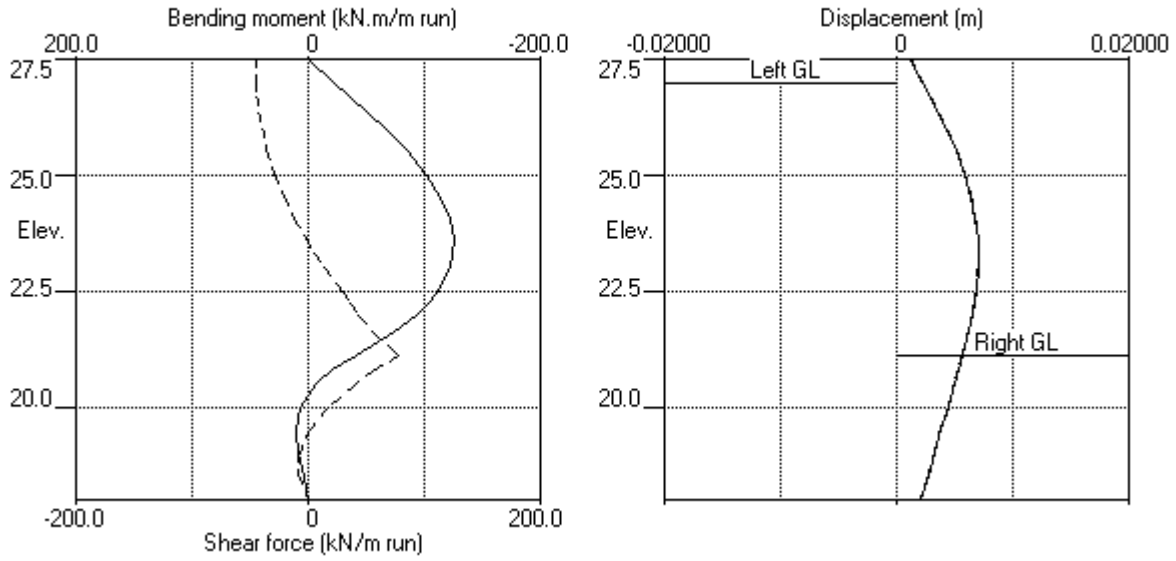
Stage No.6 Excavate to elevation 21.11 on RIGHT side

Node no.	Y coord	----- RIGHT side -----					Total earth pressure	Coeff. of subgrade reaction
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
21	19.50	Total>	33.84	8.05m	169.55	125.76	125.76	21966
22	19.00	Total>	44.37	10.55m	185.63	126.80	126.80	22864
23	18.50	Total>	54.92	13.05m	201.73	127.10	127.10	23762
24	18.00	Total>	65.49	15.55m	217.85	126.31	126.31	24660

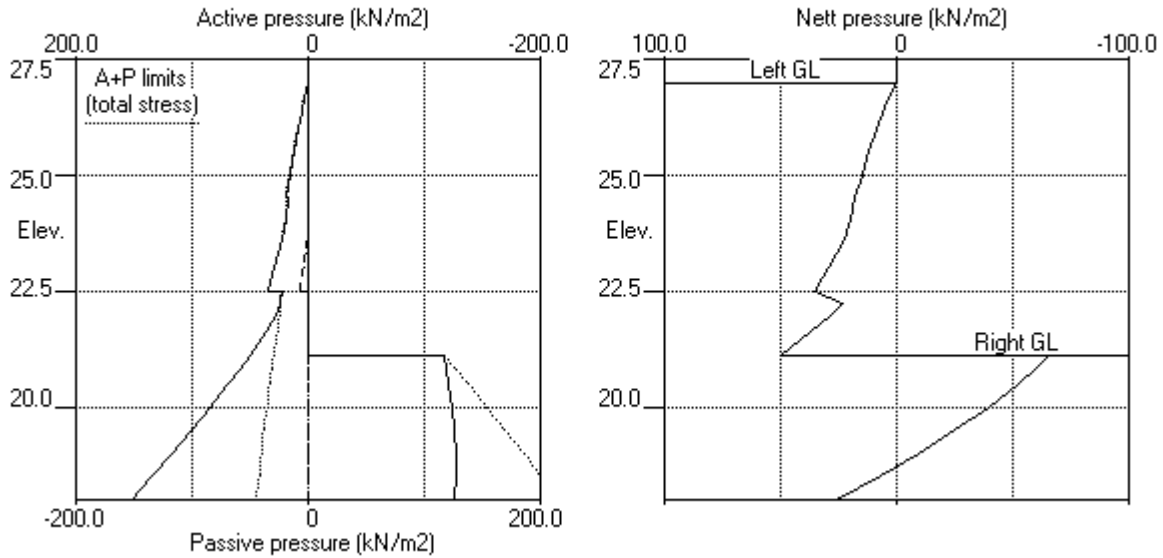
Note: 23.79a Soil pressure at active limit
 123.45p Soil pressure at passive limit

Units: kN,m

Stage No.6 Excav. to elev. 21.11 on RIGHT side



Stage No.6 Excav. to elev. 21.11 on RIGHT side



Units: kN,m

Stage No. 7 Fill to elevation 21.61 on RIGHT side with soil type 5

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

		Overall							
		FoS for toe		Toe elev. for					
		elev. = 18.00		FoS = 1.000					
		-----		-----					
Stage	--- G.L. ---	Strut	Factor	Moment	Toe	Wall	Direction		
No.	Act. Pass.	Elev.	of	of equilib.	elev.	Penetr	of		
			Safety	at elev.		-ation	failure		
7	27.00 21.61	27.50	1.858	n/a	20.57	1.04	L to R		

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall

Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 3

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.001	-2.13E-03	-46.1	-0.0	46.1	166253
2	27.00	0.00	0.002	-2.09E-03	-46.1	-23.0		166253
3	26.70	3.31	0.003	-2.04E-03	-45.6	-36.8		166253
4	26.35	6.05	0.004	-1.94E-03	-43.9	-52.5		166253
5	26.00	8.51	0.004	-1.82E-03	-41.4	-67.4		166253
6	25.50	11.93	0.005	-1.58E-03	-36.3	-86.9		166253
7	25.00	15.34	0.006	-1.30E-03	-29.5	-103.4		166253
8	24.50	18.77	0.006	-9.69E-04	-20.9	-116.1		166253
		17.53	0.006	-9.69E-04	-20.9	-116.1		
9	24.06	20.40	0.007	-6.49E-04	-12.6	-123.5		166253
10	23.62	23.29	0.007	-3.15E-04	-3.0	-127.0		166253
11	23.31	26.85	0.007	-7.74E-05	4.8	-126.7		166253
12	23.00	30.41	0.007	1.57E-04	13.7	-123.9		166253
13	22.50	36.18	0.007	5.13E-04	30.3	-113.0		166253
		23.93	0.007	5.13E-04	30.3	-113.0		
14	22.24	25.43	0.007	6.80E-04	36.7	-104.4		166253
15	21.98	30.30	0.006	8.32E-04	43.8	-93.3		166253
16	21.61	39.54	0.006	1.01E-03	56.9	-74.5		166253
17	21.11	50.81	0.006	1.18E-03	79.5	-40.8		166253
		-69.88	0.006	1.18E-03	79.5	-40.8		
18	20.80	-63.21	0.005	1.23E-03	59.2	-19.7		166253
19	20.50	-55.53	0.005	1.25E-03	41.1	-4.6		166253
20	20.00	-41.41	0.004	1.24E-03	16.9	9.0		166253
21	19.50	-25.94	0.004	1.21E-03	0.0	12.3		166253
22	19.00	-9.39	0.003	1.17E-03	-8.8	9.1		166253
23	18.50	8.32	0.002	1.15E-03	-9.1	3.5		166253
24	18.00	27.90	0.002	1.15E-03	0.0	0.0		---
At elev. 27.50 Strut force =			46.1 kN/strut =		46.1 kN/m run			

(continued)

Stage No.7 Fill to elevation 21.61 on RIGHT side with soil type 5

Node no.	Y coord	LEFT side					Total earth pressure	Coeff. of subgrade reaction
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	17529
3	26.70	0.00	9.63	3.31	34.48	3.31	3.31a	17529
4	26.35	0.00	17.61	6.05	63.06	6.05	6.05a	3611
5	26.00	0.00	24.73	8.49	88.55	8.51	8.51	3611
6	25.50	0.00	34.62	11.88	123.96	11.93	11.93	3611
7	25.00	0.00	44.46	15.26	159.18	15.34	15.34	3611
8	24.50	0.00	54.33	18.65	194.52	18.77	18.77	3611
		0.00	54.33	17.27	217.36	17.53	17.53	7739
9	24.06	0.00	63.05	20.04	252.25	20.40	20.40	7739
10	23.62	0.00	71.80	22.82	287.26	23.29	23.29	7739
11	23.31	2.21	75.76	24.08	303.14	24.64	26.85	7739
12	23.00	4.42	79.74	25.34	319.03	26.00	30.41	7739
13	22.50	7.98	86.14	27.38	344.66	28.20	36.18	7739
		Total>	94.12	22.50m	196.57	23.93	23.93	13510
14	22.24	Total>	99.77	23.79m	205.07	25.43	25.43	13887
15	21.98	Total>	105.40	25.08m	213.57	30.30	30.30	14263
16	21.61	Total>	113.60	26.95m	225.93	39.54	39.54	14812
17	21.11	Total>	124.50	29.45m	242.37	53.40	53.40	15544
18	20.80	Total>	131.12	30.98m	252.39	62.55	62.55	15990
19	20.50	Total>	137.73	32.50m	262.38	72.08	72.08	16437
20	20.00	Total>	148.53	35.00m	278.73	88.29	88.29	17169
21	19.50	Total>	159.28	37.50m	295.03	105.00	105.00	17900
22	19.00	Total>	169.98	40.00m	311.28	122.10	122.10	18632
23	18.50	Total>	180.64	42.50m	327.48	139.63	139.63	19364
24	18.00	Total>	191.25	45.00m	343.64	157.93	157.93	20096

Node no.	Y coord	RIGHT side					Total earth pressure	Coeff. of subgrade reaction
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
3	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.0
4	26.35	0.00	0.00	0.00	0.00	0.00	0.00	0.0
5	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
6	25.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
7	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
8	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9	24.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10	23.62	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11	23.31	0.00	0.00	0.00	0.00	0.00	0.00	0.0
12	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
13	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	22.24	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	13022
17	21.11	0.00	10.00	2.59	53.85	2.59	2.59a	13022
		Total>	10.00	2.50m	127.85	123.28	123.28	15678
18	20.80	Total>	16.41	4.02m	137.65	125.76	125.76	16128
19	20.50	Total>	22.82	5.55m	147.44	127.62	127.62	16578

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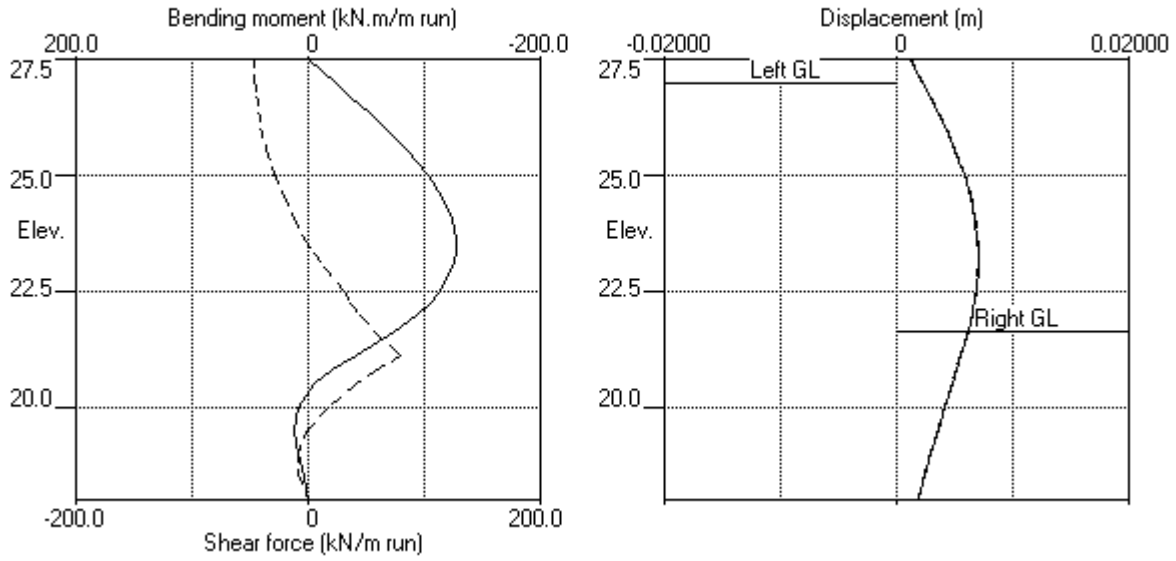
Stage No.7 Fill to elevation 21.61 on RIGHT side with soil type 5

Node no.	Y coord	----- RIGHT side -----					Total earth pressure	Coeff. of subgrade reaction
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
20	20.00	Total>	33.33	8.05m	163.50	129.70	129.70	17316
21	19.50	Total>	43.86	10.55m	179.58	130.94	130.94	18054
22	19.00	Total>	54.41	13.05m	195.68	131.49	131.49	18792
23	18.50	Total>	64.97	15.55m	211.79	131.32	131.32	19530
24	18.00	Total>	75.56	18.05m	227.93	130.04	130.04	20268

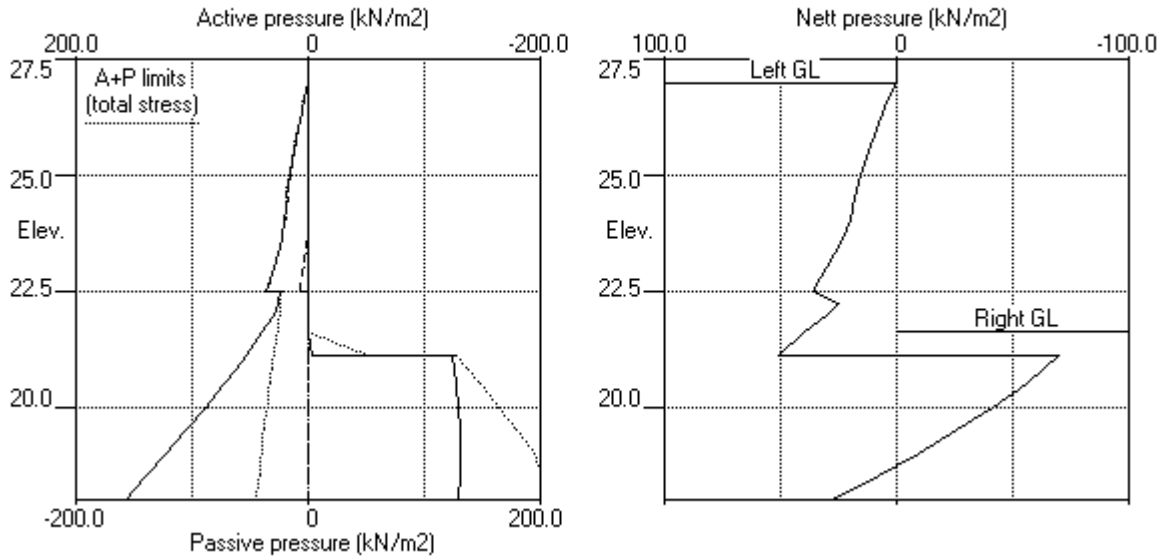
Note: 2.59a Soil pressure at active limit
 123.45p Soil pressure at passive limit

Units: kN,m

Stage No.7 Fill to elev. 21.61 on RIGHT side



Stage No.7 Fill to elev. 21.61 on RIGHT side



Units: kN,m

Stage No. 11 Change properties of soil type 3 to soil type 4
 Ko pressures will be reset

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method
 Factor of safety on soil strength

		Overall							
		FoS for toe	Toe elev. for						
		elev. = 18.00	FoS = 1.000						
		-----		-----					
Stage No.	--- G.L. Act. Pass.	Strut Elev.	Factor of Safety	Moment of equilb. at elev.	Toe elev.	Wall Penetr-ation	Direction of failure		
11	27.00 21.61		More than one strut.		No	FoS calc.			

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall

Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 3

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.002	-9.98E-04	0.0	-0.0		166253
2	27.00	0.00	0.003	-9.98E-04	0.0	0.0		166253
3	26.70	3.67	0.003	-9.98E-04	0.6	0.1	22.7	166253
		3.67	0.003	-9.98E-04	-22.2	0.1		
4	26.35	7.33	0.003	-9.90E-04	-20.3	-7.4		166253
5	26.00	10.89	0.004	-9.67E-04	-17.1	-14.0		166253
6	25.50	15.79	0.004	-9.14E-04	-10.4	-21.0		166253
7	25.00	20.31	0.004	-8.45E-04	-1.4	-24.1		166253
8	24.50	24.38	0.005	-7.73E-04	9.8	-22.1		166253
		29.55	0.005	-7.73E-04	9.8	-22.1		
9	24.06	32.65	0.005	-7.22E-04	23.5	-14.9		166253
10	23.62	34.71	0.006	-6.98E-04	38.3	-1.3		166253
11	23.31	36.94	0.006	-7.07E-04	49.4	12.3		166253
12	23.00	38.50	0.006	-7.44E-04	61.1	29.5		166253
13	22.50	39.40	0.006	-8.87E-04	80.6	65.1		166253
		63.46	0.006	-8.87E-04	80.6	65.1		
14	22.24	64.35	0.007	-1.00E-03	97.0	88.0		166253
15	21.98	63.80	0.007	-1.16E-03	113.5	115.9	211.1	166253
		63.80	0.007	-1.16E-03	-97.6	115.9		
16	21.61	61.08	0.007	-1.39E-03	-74.2	83.6		166253
17	21.11	16.76	0.008	-1.60E-03	-54.7	54.3		166253
		38.64	0.008	-1.60E-03	-54.7	54.3		
18	20.80	34.56	0.009	-1.69E-03	-43.5	39.2		166253
19	20.50	30.47	0.009	-1.75E-03	-33.6	27.4		166253
20	20.00	23.73	0.010	-1.82E-03	-20.1	13.6		166253
21	19.50	16.93	0.011	-1.85E-03	-9.9	5.6		166253
22	19.00	10.08	0.012	-1.87E-03	-3.2	1.8		166253
23	18.50	3.17	0.013	-1.87E-03	0.2	0.6		166253

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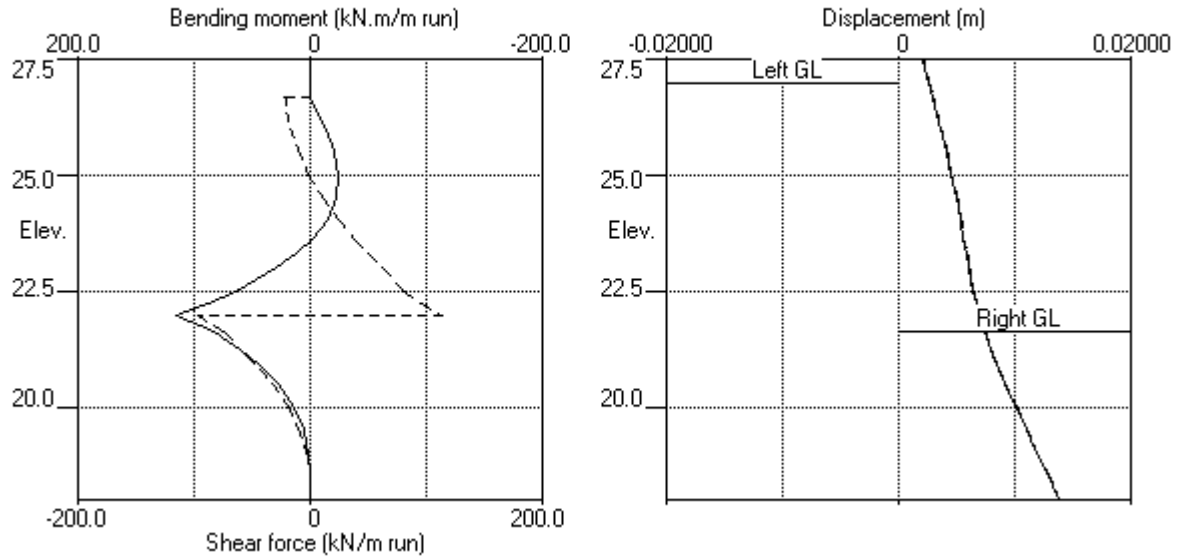
Stage No.11 Change properties of soil type 3 to soil type 4
 Ko pressures will be reset

Node no.	Y coord	----- RIGHT side -----						Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertical	Effective stresses		Earth pressure	Earth pressure		
		kN/m2	kN/m2	Active limit	Passive limit	kN/m2	kN/m2	kN/m3	
14	22.24	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
		0.00	0.00	0.00	0.00	0.00	0.00	18174	
17	21.11	0.00	10.00	2.59	53.85	51.76	51.76	18174	
		0.00	10.00	0.00	29.88	29.88	29.88p	11279	
18	20.80	3.93	12.48	0.79	34.56	34.56	38.49p	11601	
19	20.50	7.85	14.96	2.10	39.25	39.25	47.10p	11922	
20	20.00	14.29	19.04	4.26	46.95	46.95	61.24p	12449	
21	19.50	20.73	23.13	6.43	54.67	54.67	75.40p	12976	
22	19.00	27.17	27.24	8.60	62.43	62.43	89.60p	13503	
23	18.50	33.60	31.37	10.79	70.23	70.23	103.83p	14030	
24	18.00	40.04	35.52	12.99	78.06	78.06	118.11p	14557	

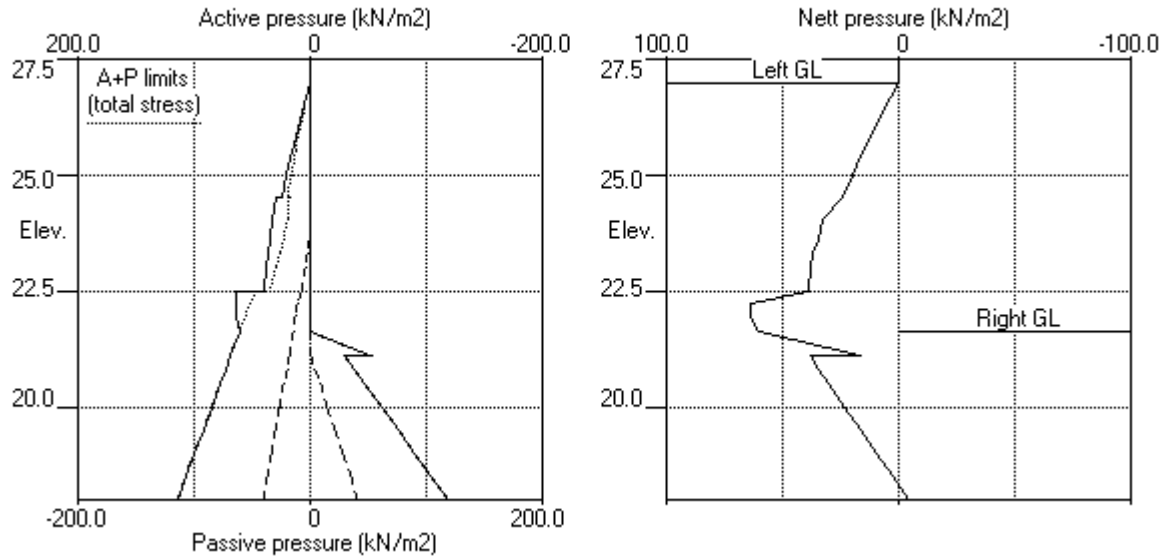
Note: 114.29a Soil pressure at active limit
 118.11p Soil pressure at passive limit

Units: kN,m

Stage No.11 Change soil type 3 to soil type 4



Stage No.11 Change soil type 3 to soil type 4



Units: kN,m

Stage No. 12 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

Overall		FoS for toe		Toe elev. for			
		elev. = 18.00		FoS = 1.000			
Stage	--- G.L. ---	Strut	Factor	Moment	Toe	Wall	Direction
No.	Act. Pass.	Elev.	of	of equil.	elev.	Penetr	of
			Safety	at elev.		-ation	failure
12	27.00 21.61		More than one strut.	No FoS calc.			

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 3

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.002	-1.05E-03	0.0	-0.0		118752
2	27.00	0.00	0.003	-1.05E-03	0.0	0.0		118752
3	26.70	3.70	0.003	-1.05E-03	0.6	0.1	22.5	118752
		3.70	0.003	-1.05E-03	-21.9	0.1		
4	26.35	7.24	0.003	-1.04E-03	-20.0	-7.3		118752
5	26.00	10.72	0.004	-1.01E-03	-16.8	-13.9		118752
6	25.50	15.54	0.004	-9.38E-04	-10.3	-20.9		118752
7	25.00	20.02	0.005	-8.42E-04	-1.4	-24.0		118752
8	24.50	24.14	0.005	-7.43E-04	9.6	-22.1		118752
		29.03	0.005	-7.43E-04	9.6	-22.1		
9	24.06	32.32	0.005	-6.72E-04	23.1	-15.0		118752
10	23.62	34.63	0.006	-6.39E-04	37.9	-1.5		118752
11	23.31	37.11	0.006	-6.51E-04	49.0	12.0		118752
12	23.00	38.92	0.006	-7.03E-04	60.8	29.2		118752
13	22.50	39.97	0.006	-9.01E-04	80.5	64.9		118752
		63.97	0.006	-9.01E-04	80.5	64.9		
14	22.24	64.73	0.007	-1.06E-03	97.1	87.9		118752
15	21.98	63.81	0.007	-1.29E-03	113.6	115.9	210.7	118752
		63.81	0.007	-1.29E-03	-97.1	115.9		
16	21.61	61.08	0.007	-1.60E-03	-73.6	83.8		118752
17	21.11	14.67	0.008	-1.90E-03	-54.7	54.6		118752
		38.64	0.008	-1.90E-03	-54.7	54.6		
18	20.80	34.56	0.009	-2.03E-03	-43.5	39.6		118752
19	20.50	30.47	0.010	-2.12E-03	-33.6	27.7		118752
20	20.00	23.73	0.011	-2.21E-03	-20.1	13.8		118752
21	19.50	16.93	0.012	-2.25E-03	-9.9	5.8		118752
22	19.00	10.08	0.013	-2.27E-03	-3.2	1.9		118752

(continued)

Stage No.12 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
23	18.50	3.17	0.014	-2.28E-03	0.2	0.6		118752
24	18.00	-3.81	0.015	-2.28E-03	0.0	0.0		---
At elev. 26.70		Strut force =		22.5 kN/strut =		22.5 kN/m run		
At elev. 21.98		Strut force =		210.7 kN/strut =		210.7 kN/m run		

Node no.	Y coord	LEFT side					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertic -al kN/m2	Active limit kN/m2	Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	26.70	0.00	9.63	3.31	34.48	3.70	30924	
4	26.35	0.00	17.61	6.05	63.06	7.24	4885	
5	26.00	0.00	24.73	8.49	88.55	10.72	4885	
6	25.50	0.00	34.62	11.88	123.96	15.54	4885	
7	25.00	0.00	44.46	15.26	159.18	20.02	4885	
8	24.50	0.00	54.33	18.65	194.52	24.14	4885	
		0.00	54.33	17.27	217.36	29.03	10468	
9	24.06	0.00	63.05	20.04	252.25	32.32	10468	
10	23.62	0.00	71.80	22.82	287.26	34.63	10468	
11	23.31	2.21	75.76	24.08	303.14	34.90	16773	
12	23.00	4.42	79.74	25.34	319.03	34.51	16773	
13	22.50	7.98	86.14	27.38	344.66	31.99	16773	
		7.98	86.14	39.80	173.66	55.99	15096	
14	22.24	9.81	89.95	41.81	180.85	54.91	15513	
15	21.98	11.65	93.76	43.83	188.03	52.16	15931	
16	21.61	14.32	99.28	46.75	198.47	46.75	11735	
17	21.11	17.88	106.61	50.64	212.32	50.64	12310	
18	20.80	20.06	111.07	53.00	220.73	53.00	12661	
19	20.50	22.23	115.50	55.35	229.10	55.35	13012	
20	20.00	25.79	122.74	59.18	242.77	59.18	13587	
21	19.50	29.35	129.93	62.98	256.34	62.98	14163	
22	19.00	32.92	137.06	66.76	269.82	66.76	14738	
23	18.50	36.48	144.16	70.52	283.21	70.52	15313	
24	18.00	40.04	151.21	74.25	296.52	74.25	15888	

Node no.	Y coord	RIGHT side					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertic -al kN/m2	Active limit kN/m2	Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	26.70	0.00	0.00	0.00	0.00	0.00	0.00	
4	26.35	0.00	0.00	0.00	0.00	0.00	0.00	
5	26.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	25.50	0.00	0.00	0.00	0.00	0.00	0.00	
7	25.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	24.50	0.00	0.00	0.00	0.00	0.00	0.00	
9	24.06	0.00	0.00	0.00	0.00	0.00	0.00	
10	23.62	0.00	0.00	0.00	0.00	0.00	0.00	
11	23.31	0.00	0.00	0.00	0.00	0.00	0.00	

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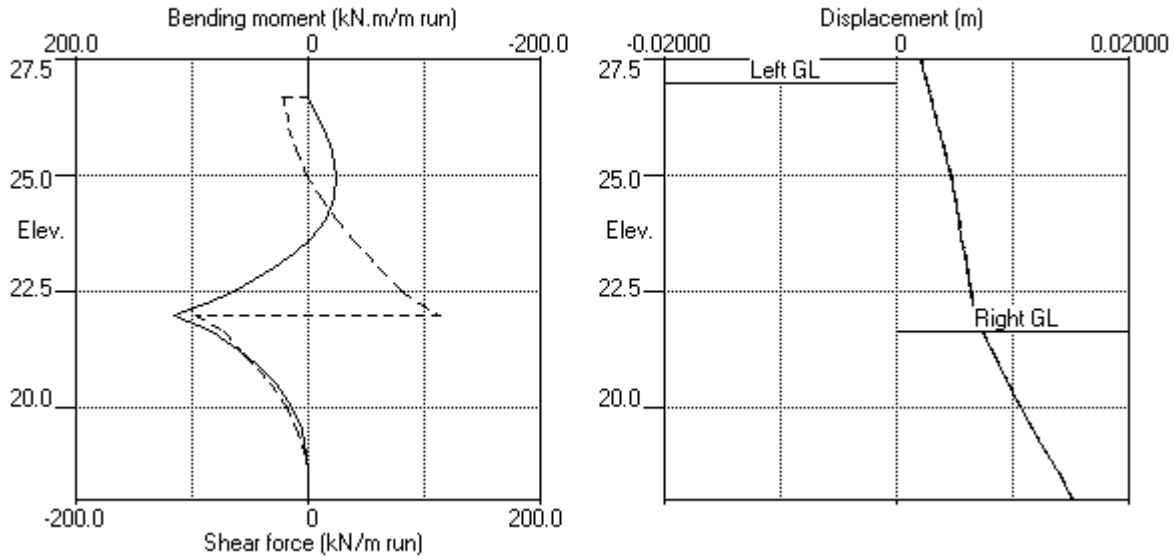
Stage No.12 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

Node no.	Y coord	----- RIGHT side -----						
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2	Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
12	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
13	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	22.24	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	19836
17	21.11	0.00	10.00	2.59	53.85	53.85	53.85p	19836
		0.00	10.00	0.00	29.88	29.88	29.88p	12310
18	20.80	3.93	12.48	0.79	34.56	34.56	38.49p	12661
19	20.50	7.85	14.96	2.10	39.25	39.25	47.10p	13012
20	20.00	14.29	19.04	4.26	46.95	46.95	61.24p	13587
21	19.50	20.73	23.13	6.43	54.67	54.67	75.40p	14163
22	19.00	27.17	27.24	8.60	62.43	62.43	89.60p	14738
23	18.50	33.60	31.37	10.79	70.23	70.23	103.83p	15313
24	18.00	40.04	35.52	12.99	78.06	78.06	118.11p	15888

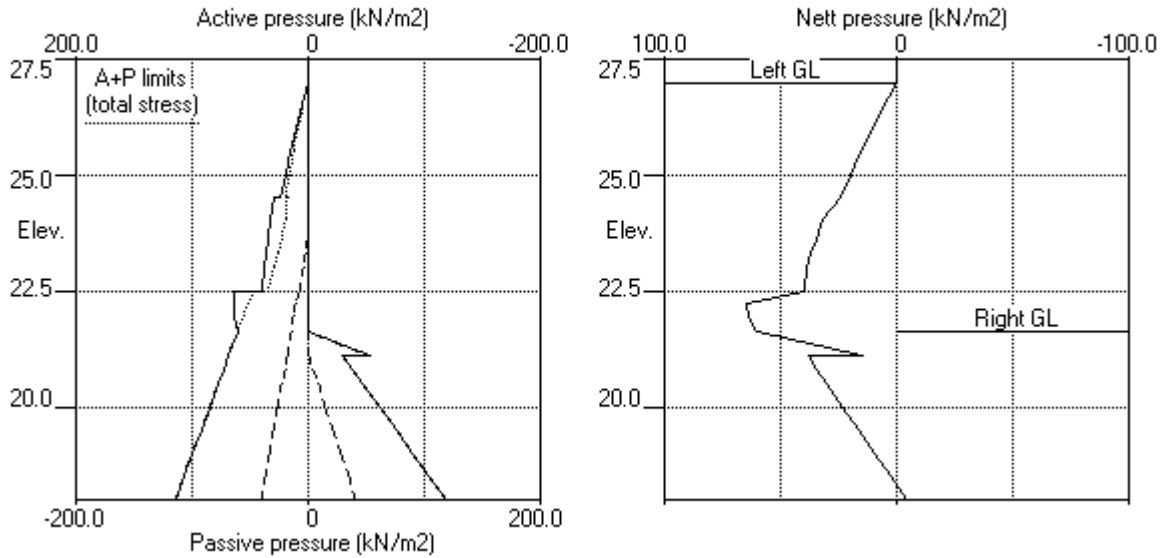
Note: 114.29a Soil pressure at active limit
 118.11p Soil pressure at passive limit

Units: kN,m

Stage No.12 Change EI of wall to 118752kN.m2/m run



Stage No.12 Change EI of wall to 118752kN.m2/m run



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 The Network Building - Basement Impact Assessment
 ULS - Critical Section 3 - Propped

| Sheet No.
 | Job No. 09528
 | Made by : IGO
 | Date:19-02-2021
 | Checked :

Units: kN,m

Summary of results

LIMIT STATE PARAMETERS

Limit State: ULS DA1 Combination 2
 Water pressures : Worst Credible
 Partial factor on C' = 1.250
 Partial factor on Phi' = 1.250
 Partial factor on Cu = 1.400
 Partial factor on Soil Modulus = 1.000
 Partial factor on Permanent Unfavourable loads = 1.000
 Partial factor on Permanent Favourable loads = 1.000
 Partial factor on Variable Unfavourable loads = 1.300

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method
 Factor of safety on soil strength

			Overall						
			FoS for toe		Toe elev. for				
			elev. = 18.00		FoS = 1.000				
Stage	--- G.L. ---		Strut	Factor	Moment	Toe	Wall	Direction	
No.	Act.	Pass.	Elev.	of	equilib.	elev.	Penetr	of	
			Safety	at	elev.	-ation		failure	
1	27.00	27.00	Cant.	Conditions not suitable for FoS calc.					
2	27.00	27.00	Cant.	Conditions not suitable for FoS calc.					
3	27.00	27.00	Cant.	Conditions not suitable for FoS calc.					
4	27.00	27.00	No analysis at this stage						
5	27.00	27.00	27.50	Conditions not suitable for FoS calc.					
6	27.00	21.11	27.50	1.743	n/a	20.41	0.70	L to R	
7	27.00	21.61	27.50	1.858	n/a	20.57	1.04	L to R	
8	27.00	21.61	No analysis at this stage						
All remaining stages have more than one strut - FoS calculation n/a									

Units: kN,m**Summary of results****BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall****Analysis options**

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall

Right side 20.00 from wall

Limit State: ULS DA1 Combination 2**Bending moment, shear force and displacement envelopes**

Node no.	Y coord	Displacement		Bending moment		Shear force	
		maximum m	minimum m	maximum kN.m/m	minimum kN.m/m	maximum kN/m	minimum kN/m
1	27.50	0.002	-0.000	0.0	-0.0	0.0	-46.1
2	27.00	0.003	-0.000	0.0	-23.0	0.0	-46.1
3	26.70	0.003	-0.000	0.1	-36.8	0.6	-55.3
4	26.35	0.004	-0.000	0.1	-52.5	0.2	-53.7
5	26.00	0.004	-0.000	0.1	-67.4	0.2	-51.1
6	25.50	0.005	-0.000	0.3	-86.9	0.4	-45.8
7	25.00	0.006	-0.000	0.5	-103.4	0.5	-38.6
8	24.50	0.006	-0.000	0.8	-116.1	9.8	-29.7
9	24.06	0.007	-0.000	1.0	-123.5	23.5	-20.5
10	23.62	0.007	-0.000	0.9	-127.0	41.0	-10.0
11	23.31	0.007	-0.000	12.3	-126.7	56.5	-1.9
12	23.00	0.007	-0.000	29.5	-123.9	73.1	-1.8
13	22.50	0.007	-0.000	65.1	-113.0	101.5	-2.0
14	22.24	0.007	0.000	88.0	-104.4	123.0	-1.6
15	21.98	0.007	0.000	116.6	-93.3	144.8	-97.6
16	21.61	0.007	0.000	87.7	-75.8	56.9	-74.2
17	21.11	0.008	0.000	63.0	-43.4	79.5	-54.7
18	20.80	0.009	0.000	49.9	-23.0	59.2	-43.5
19	20.50	0.010	0.000	38.8	-8.0	41.1	-33.6
20	20.00	0.011	0.000	24.1	-1.3	17.9	-23.6
21	19.50	0.012	0.000	13.4	-0.9	1.8	-16.1
22	19.00	0.013	0.000	9.1	-0.5	0.7	-9.7
23	18.50	0.014	0.000	3.5	-0.1	0.5	-9.1
24	18.00	0.015	-0.000	0.0	0.0	0.0	-0.0

Summary of results (continued)

Maximum and minimum bending moment and shear force at each stage

Stage no.	Bending moment				Shear force			
	maximum kN.m/m	elev.	minimum kN.m/m	elev.	maximum kN/m	elev.	minimum kN/m	elev.
1	0.5	24.06	-0.8	21.11	0.5	24.50	-1.1	22.50
2	1.0	24.06	-1.7	21.11	0.8	19.50	-2.0	22.50
3	1.0	24.06	-1.7	21.11	0.8	19.50	-2.0	22.50
4	No calculation at this stage							
5	0.2	24.50	-2.3	21.98	0.9	20.00	-1.9	23.31
6	10.8	19.50	-125.2	23.62	76.7	21.11	-45.5	27.50
7	12.3	19.50	-127.0	23.62	79.5	21.11	-46.1	27.50
8	No calculation at this stage							
9	No calculation at this stage							
10	9.9	19.50	-119.7	23.31	77.1	21.11	-55.3	26.70
11	115.9	21.98	-24.1	25.00	113.5	21.98	-97.6	21.98
12	115.9	21.98	-24.0	25.00	113.6	21.98	-97.1	21.98
13	106.8	21.98	-26.4	25.00	110.9	21.98	-86.1	21.98
14	116.6	21.98	-46.0	24.50	144.8	21.98	-92.6	21.98

Maximum and minimum displacement at each stage

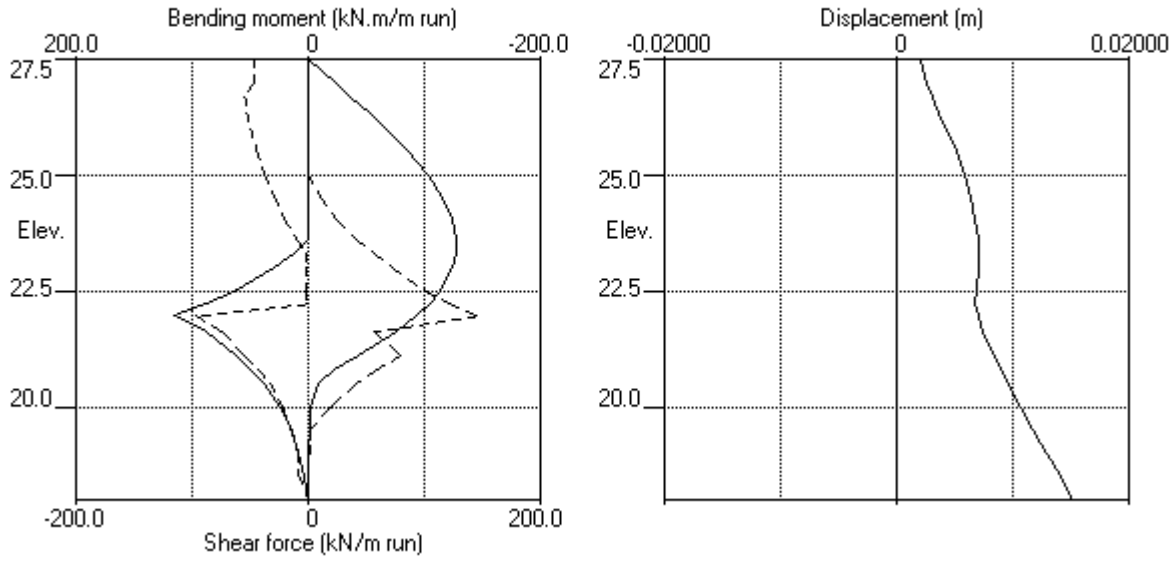
Stage no.	Displacement				Stage description
	maximum m	elev.	minimum m	elev.	
1	0.000	27.50	0.000	27.50	Apply surcharge no.1 at elev. 27.00
2	0.000	18.00	0.000	27.50	Apply surcharge no.2 at elev. 27.00
3	0.000	18.00	-0.000	27.50	Change EI of wall to 166253kN.m2/m run
4	No calculation at this stage				Install strut no.3 at elev. 27.50
5	0.000	23.00	-0.000	18.00	Apply water pressure profile no.2
6	0.007	23.31	0.000	27.50	Excav. to elev. 21.11 on RIGHT side
7	0.007	23.31	0.000	27.50	Fill to elev. 21.61 on RIGHT side
8	No calculation at this stage				Install strut no.1 at elev. 21.98
9	No calculation at this stage				Install strut no.2 at elev. 26.70
10	0.007	23.00	0.000	27.50	Remove strut no.3 at elev. 27.50
11	0.014	18.00	0.000	27.50	Change soil type 3 to soil type 4
12	0.015	18.00	0.000	27.50	Change EI of wall to 118752kN.m2/m run
13	0.015	18.00	0.000	27.50	Apply surcharge no.3 at elev. 21.61
14	0.014	18.00	0.000	27.50	Apply water pressure profile no.3

Strut forces at each stage (horizontal components)

Stage no.	Strut no. 1		Strut no. 2		Strut no. 3	
	at elev. 21.98		at elev. 26.70		at elev. 27.50	
	kN/m run	kN/strut	kN/m run	kN/strut	kN/m run	kN/strut
5	---	---	---	---	0.09	0.09
6	---	---	---	---	45.54	45.54
7	---	---	---	---	46.08	46.08
10	slack	slack	55.79	55.79	---	---
11	211.10	211.10	22.75	22.75	---	---
12	210.67	210.67	22.46	22.46	---	---
13	197.04	197.04	23.77	23.77	---	---
14	237.39	237.39	34.25	34.25	---	---

Units: kN,m

Bending moment, shear force, displacement envelopes



Units: kN,m

INPUT DATA

SOIL PROFILE

Stratum no.	Elevation of top of stratum	Soil types	
		Left side	Right side
1	27.00	2 MG (drained)	2 MG (drained)
2	24.50	1 Lynch Hill Gravels	1 Lynch Hill Gravels
3	22.50	3 LCF (undrained)	3 LCF (undrained)

SOIL PROPERTIES

-- Soil type --	Bulk density	Young's Modulus	At rest coeff.	Consol state.	Active limit	Passive limit	Cohesion
No. Description (Datum elev.)	kN/m3	Eh, kN/m2 (dEh/dy)	Ko (dKo/dy)	NC/OC (Nu)	Ka (Kac)	Kp (Kpc)	kN/m2 (dc/dy)
1 Lynch Hill Gravels	19.00	30000	0.470	OC (0.200)	0.250 (0.000)	5.788 (0.000)	
2 MG (drained)	19.00	14000	0.500	OC (0.200)	0.273 (0.000)	5.026 (0.000)	
3 LCF (undr.. (22.50)	21.00	36000 (3900)	1.000	OC (0.490)	1.000 (2.389)	1.000 (2.390)	60.00u (6.500)
4 LCF (drai.. (22.50)	21.00	27000 (2900)	0.625	OC (0.200)	0.455 (1.349)	2.198 (2.965)	5.000d
5 Fill	20.00	50000	0.384	OC (0.200)	0.197 (0.000)	8.446 (0.000)	

Additional soil parameters associated with Ka and Kp

Soil type	--- parameters for Ka ---			--- parameters for Kp ---		
	Soil friction	Wall adhesion	Back-fill	Soil friction	Wall adhesion	Back-fill
No. Description	angle	coeff.	angle	angle	coeff.	angle
1 Lynch Hill Gravels	32.00	1.000	0.00	32.00	1.000	0.00
2 MG (drained)	30.00	1.000	0.00	30.00	1.000	0.00
3 LCF (undrained)	0.00	0.500	0.00	0.00	0.500	0.00
4 LCF (drained)	22.00	0.000	0.00	22.00	0.000	0.00
5 Fill	38.00	0.670	0.00	38.00	0.670	0.00

GROUND WATER CONDITIONS

Density of water = 10.00 kN/m3
 Initial water pressure profile = Profile number 1

Automatic water pressure balancing at toe of wall : Yes

Water profile no.	Left side				Right side			
	Point no.	Elev. m	Piezo elev. m	Water press. kN/m2	Point no.	Elev. m	Piezo elev. m	Water press. kN/m2
1	1	23.62	23.62	0.0	1	23.62	23.62	0.0
2	1	23.62	23.62	0.0	1	21.11	21.11	0.0 MC+WC
					2	21.11	21.11	0.0
3	1	26.00	26.00	0.0	1	21.61	21.61	0.0 MC+WC
					2	21.61	26.00	43.9

WALL PROPERTIES

Type of structure = Fully Embedded Wall
 Elevation of toe of wall = 16.00
 Maximum finite element length = 0.60 m
 Youngs modulus of wall E = 2.8000E+07 kN/m2
 Moment of inertia of wall I = 8.4800E-03 m4/m run
 E.I = 237440 kN.m2/m run
 Yield Moment of wall = Not defined

STRUTS and ANCHORS

Strut/ anchor no.	Elev.	Strut spacing m	X-section area of strut sq.m	Youngs modulus kN/m ²	Free length m	Inclin -ation (degs)	Pre- stress /strut kN	Tension allowed
1	21.98	1.00	0.750000	1.500E+07	25.00	0.00	0	No
2	26.70	1.00	0.600000	1.500E+07	25.00	0.00	0	No
3	27.50	1.00	1.000000	40000	1.00	0.00	0	No

SURCHARGE LOADS

Surch -arge no.	Elev.	Distance from wall	Length parallel to wall	Width perpend. to wall	Surcharge ----- kN/m ² ----- Near edge Far edge		Equiv. soil type	Partial factor/ Category
1	24.36	0.50(L)	10.00	10.00	105.00	=	N/A	1.00 P/U
2	Not defined							
3	21.61	-0.00(R)	30.00	25.00	44.00	=	N/A	1.00 -

Note: L = Left side, R = Right side

Limit State Categories P/U = Permanent Unfavourable
P/F = Permanent Favourable
Var = Variable (unfavourable)

CONSTRUCTION STAGES

Construction stage no.	Stage description
1	Apply surcharge no.1 at elevation 24.36
2	Change EI of wall to 166253 kN.m ² /m run Yield moment not defined Reset wall displacements to zero at this stage
3	Excavate to elevation 26.00 on RIGHT side
4	Install strut or anchor no.3 at elevation 27.50
5	Apply water pressure profile no.2 (Mod. Conserv.)
6	Excavate to elevation 21.61 on RIGHT side
7	Install strut or anchor no.1 at elevation 21.98
8	Install strut or anchor no.2 at elevation 26.70
9	Remove strut or anchor no.3 at elevation 27.50
10	Change properties of soil type 3 to soil type 4 Ko pressures will be reset
11	Change EI of wall to 118752 kN.m ² /m run Yield moment not defined Allow wall to relax with new modulus value
12	Apply surcharge no.3 at elevation 21.61
13	Apply water pressure profile no.3 (Mod. Conserv.)

FACTORS OF SAFETY and ANALYSIS OPTIONS

Limit State options: Serviceability Limit State
All loads and soil strengths are unfactored

Stability analysis:

Method of analysis - Strength Factor method
Factor on soil strength for calculating wall depth = 1.00

Parameters for undrained strata:

Minimum equivalent fluid density = 5.00 kN/m³
Maximum depth of water filled tension crack = 0.00 m

Bending moment and displacement calculation:

Method - Subgrade reaction model using Influence Coefficients
Open Tension Crack analysis? - No
Non-linear Modulus Parameter (L) = 11.00 m

Boundary conditions:

Length of wall (normal to plane of analysis) = 20.00 m

Width of excavation on Left side of wall = 20.00 m
Width of excavation on Right side of wall = 20.00 m

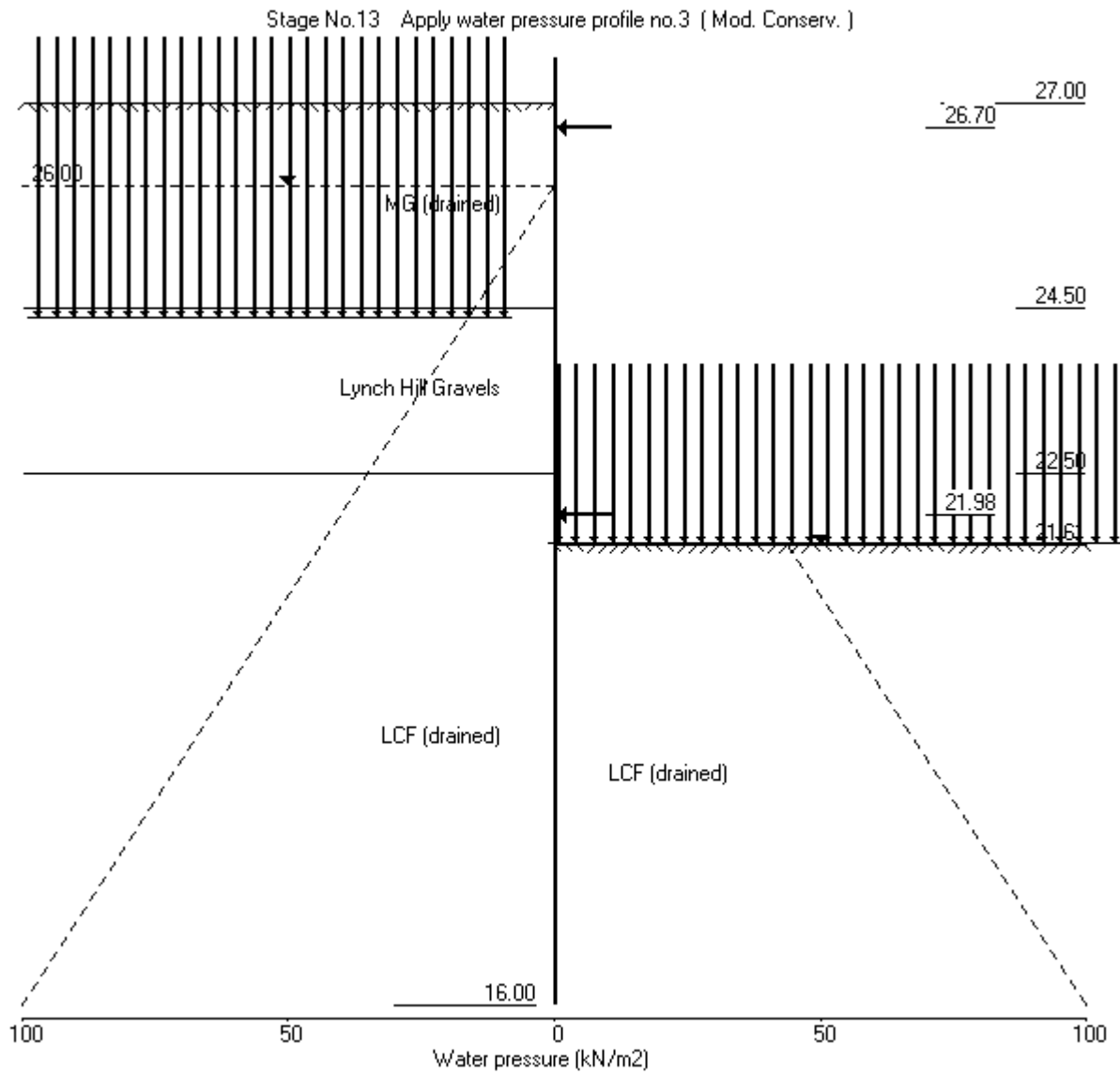
Distance to rigid boundary on Left side = 20.00 m
Distance to rigid boundary on Right side = 20.00 m

OUTPUT OPTIONS

Stage no.	Stage description	Displacement Bending mom. Shear force	Active, Passive pressures	Graph. output
1	Apply surcharge no.1 at elev. 24.36	Yes	Yes	Yes
2	Change EI of wall to 166253kN.m2/m run	Yes	Yes	Yes
3	Excav. to elev. 26.00 on RIGHT side	Yes	Yes	Yes
4	Install strut no.3 at elev. 27.50	Yes	Yes	Yes
5	Apply water pressure profile no.2	Yes	Yes	Yes
6	Excav. to elev. 21.61 on RIGHT side	Yes	Yes	Yes
7	Install strut no.1 at elev. 21.98	Yes	Yes	Yes
8	Install strut no.2 at elev. 26.70	Yes	Yes	Yes
9	Remove strut no.3 at elev. 27.50	Yes	Yes	Yes
10	Change soil type 3 to soil type 4	Yes	Yes	Yes
11	Change EI of wall to 118752kN.m2/m run	No	Yes	Yes
12	Apply surcharge no.3 at elev. 21.61	Yes	Yes	Yes
13	Apply water pressure profile no.3	Yes	Yes	Yes
*	Summary output	Yes	-	Yes

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Units: kN,m



Units: kN,m

Stage No. 3 Excavate to elevation 26.00 on RIGHT side

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

Stage No.	--- G.L. --- Act. Pass.	Strut Elev.	FoS for toe elev. = 16.00	Moment of equil. at elev.	Toe elev. for FoS = 1.000	Wall Penetr- -ation	Direction of failure
3	27.00 26.00	Cant.	3.756	16.39	25.42	0.58	L to R

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall

Right side 20.00 from wall

Limit State: Serviceability Limit State

Calculated Bending Moments and Strut Forces are to be multiplied by a factor of 1.35 to obtain values for structural design. See summary for factored values.

*** Wall displacements reset to zero at stage 2

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.002	1.75E-04	0.0	-0.0		166253
2	27.00	0.00	0.001	1.75E-04	0.0	0.0		166253
3	26.70	1.56	0.001	1.75E-04	0.2	0.0		166253
4	26.35	3.37	0.001	1.75E-04	1.1	0.3		166253
5	26.00	5.55	0.001	1.74E-04	2.7	1.0		166253
6	25.60	-3.80	0.001	1.70E-04	3.0	2.3		166253
7	25.20	-4.63	0.001	1.62E-04	1.3	3.2		166253
8	24.85	-5.36	0.001	1.52E-04	-0.4	3.4		166253
9	24.50	-6.11	0.001	1.40E-04	-2.4	2.9		166253
		-17.21	0.001	1.40E-04	-2.4	2.9		
10	24.36	-18.13	0.001	1.34E-04	-4.9	2.4		166253
11	23.99	-17.90	0.001	1.17E-04	-11.6	-0.6		166253
12	23.62	-14.11	0.001	1.00E-04	-17.5	-5.8		166253
13	23.06	-10.90	0.001	7.44E-05	-24.5	-17.5		166253
14	22.50	-10.45	0.001	5.41E-05	-30.5	-32.8		166253
		25.85	0.001	5.41E-05	-30.5	-32.8		
15	21.98	24.07	0.001	4.24E-05	-17.6	-44.9		166253
16	21.61	21.31	0.001	3.77E-05	-9.1	-49.7		166253
17	21.11	16.75	0.001	3.50E-05	0.4	-51.6		166253
18	20.76	13.31	0.001	3.48E-05	5.7	-50.4		166253
19	20.40	9.94	0.001	3.55E-05	9.9	-47.5		166253
20	19.80	4.73	0.001	3.77E-05	14.3	-39.9		166253
21	19.20	0.44	0.001	4.03E-05	15.8	-30.7		166253
22	18.60	-2.80	0.001	4.26E-05	15.1	-21.3		166253
23	18.00	-5.02	0.001	4.43E-05	12.8	-12.9		166253
24	17.40	-6.32	0.001	4.53E-05	9.4	-6.3		166253
25	16.80	-6.86	0.001	4.57E-05	5.4	-2.0		166253
26	16.40	-6.84	0.001	4.58E-05	2.7	-0.5		166253

(continued)

Stage No.3 Excavate to elevation 26.00 on RIGHT side

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
27	16.00	-6.54	0.001	4.58E-05	0.0	-0.0		---

Node no.	Y coord	Effective stresses					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertic -al kN/m2	Active limit kN/m2	Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	2423
3	26.70	0.00	5.70	1.56	28.65	1.56	1.56a	2423
4	26.35	0.00	12.35	3.37	62.07	3.37	3.37a	2423
5	26.00	0.00	19.00	5.19	95.50	5.55	5.55	2423
6	25.60	0.00	26.60	7.27	133.70	8.95	8.95	2423
7	25.20	0.00	34.20	9.34	171.89	12.34	12.34	2423
8	24.85	0.00	40.85	11.16	205.32	15.31	15.31	2423
9	24.50	0.00	47.50	12.97	238.74	18.26	18.26	2423
		0.00	47.50	11.86	274.92	11.86	11.86a	5192
10	24.36	0.00	50.16	12.53	290.32	12.53	12.53a	5192
11	23.99	0.00	67.80	16.93	392.39	16.93	16.93a	5192
12	23.62	0.00	98.36	24.56	569.28	24.91	24.91	5192
13	23.06	5.60	126.63	31.62	732.93	31.79	37.39	5192
14	22.50	11.20	143.12	35.74	828.34	35.82	47.02	5192
		Total>	154.32	22.50m	297.72	122.22	122.22	9314
15	21.98	Total>	170.39	25.08m	321.78	134.68	134.68	9834
16	21.61	Total>	180.20	26.95m	337.43	142.11	142.11	10212
17	21.11	Total>	191.67	29.45m	356.66	150.80	150.80	10717
18	20.76	Total>	198.99	31.22m	369.50	156.49	156.49	11075
19	20.40	Total>	205.82	33.00m	381.84	161.96	161.96	11433
20	19.80	Total>	216.55	36.00m	401.89	171.08	171.08	12039
21	19.20	Total>	226.59	39.00m	421.25	180.34	180.34	12644
22	18.60	Total>	236.24	42.00m	440.22	189.93	189.93	13250
23	18.00	Total>	245.67	45.00m	458.97	199.94	199.94	13855
24	17.40	Total>	255.02	48.00m	477.64	210.37	210.37	14460
25	16.80	Total>	264.38	51.00m	496.33	221.19	221.19	15066
26	16.40	Total>	270.66	53.00m	508.82	228.62	228.62	15470
27	16.00	Total>	276.98	55.00m	521.35	236.20	236.20	15873

Node no.	Y coord	Effective stresses					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertic -al kN/m2	Active limit kN/m2	Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
3	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.0
4	26.35	0.00	0.00	0.00	0.00	0.00	0.00	0.0
5	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	2304
6	25.60	0.00	7.60	2.08	38.20	12.75	12.75	2304
7	25.20	0.00	15.20	4.15	76.40	16.97	16.97	2304
8	24.85	0.00	21.85	5.97	109.83	20.67	20.67	2304
9	24.50	0.00	28.50	7.79	143.26	24.37	24.37	2304
		0.00	28.50	7.12	164.97	29.08	29.08	4937
10	24.36	0.00	31.16	7.78	180.37	30.65	30.65	4937
11	23.99	0.00	38.20	9.54	221.08	34.83	34.83	4937

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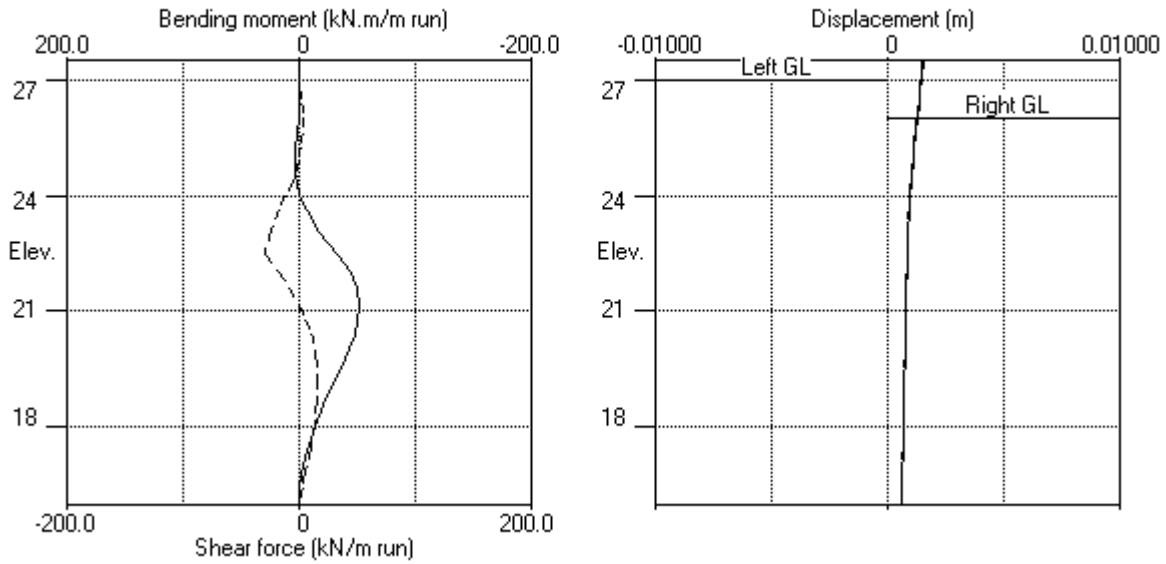
Stage No.3 Excavate to elevation 26.00 on RIGHT side

Node no.	Y coord	Effective stresses					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertic -al	Active limit	Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3	
12	23.62	0.00	45.23	11.30	261.80	39.01	4937	
13	23.06	5.60	50.28	12.56	291.04	42.69	4937	
14	22.50	11.20	55.34	13.82	320.31	46.27	4937	
		Total>	66.54	17.50m	209.94	96.37	8944	
15	21.98	Total>	77.38	20.08m	228.77	110.61	9443	
16	21.61	Total>	85.27	21.95m	242.49	120.80	9806	
17	21.11	Total>	95.80	24.45m	260.79	134.05	10290	
18	20.76	Total>	103.28	26.22m	273.78	143.17	10634	
19	20.40	Total>	110.76	28.00m	286.78	152.02	10978	
20	19.80	Total>	123.42	31.00m	308.76	166.35	11560	
21	19.20	Total>	136.08	34.00m	330.74	179.90	12141	
22	18.60	Total>	148.75	37.00m	352.73	192.73	12722	
23	18.00	Total>	161.43	40.00m	374.73	204.95	13304	
24	17.40	Total>	174.12	43.00m	396.75	216.69	13885	
25	16.80	Total>	186.82	46.00m	418.77	228.05	14466	
26	16.40	Total>	195.29	48.00m	433.45	235.46	14854	
27	16.00	Total>	203.77	50.00m	448.14	242.75	15242	

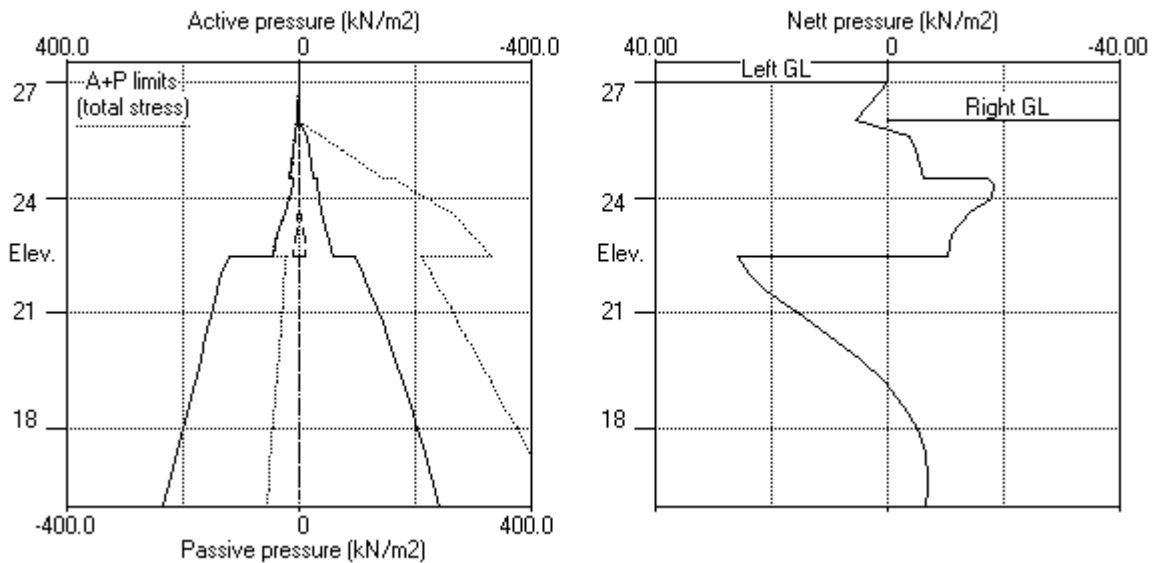
Note: 16.93a Soil pressure at active limit
 123.45p Soil pressure at passive limit

Units: kN,m

Stage No.3 Excav. to elev. 26.00 on RIGHT side



Stage No.3 Excav. to elev. 26.00 on RIGHT side



Units: kN,m

Stage No. 6 Excavate to elevation 21.61 on RIGHT side

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

Stage No.	--- G.L. --- Act.	--- G.L. --- Pass.	Strut Elev.	FoS for toe elev. =	Moment of equil. at elev.	Toe elev. for FoS =	Wall Penetr -ation	Direction of failure
6	27.00	21.61	27.50	2.148	n/a	16.00	0.46	L to R

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall

Right side 20.00 from wall

Limit State: Serviceability Limit State

Calculated Bending Moments and Strut Forces are to be multiplied by a factor of 1.35 to obtain values for structural design. See summary for factored values.

*** Wall displacements reset to zero at stage 2

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.003	-1.96E-03	-46.3	-0.0	46.3	166253
2	27.00	0.00	0.004	-1.93E-03	-46.3	-23.1		166253
3	26.70	1.56	0.004	-1.87E-03	-46.0	-37.0		166253
4	26.35	3.37	0.005	-1.78E-03	-45.2	-53.0		166253
5	26.00	5.19	0.005	-1.65E-03	-43.7	-68.4		166253
6	25.60	7.27	0.006	-1.46E-03	-41.2	-85.3		166253
7	25.20	9.34	0.007	-1.24E-03	-37.9	-101.1		166253
8	24.85	11.16	0.007	-1.02E-03	-34.3	-113.8		166253
9	24.50	12.97	0.007	-7.75E-04	-30.1	-125.0		166253
		11.86	0.007	-7.75E-04	-30.1	-125.0		
10	24.36	12.53	0.007	-6.72E-04	-28.3	-129.1		166253
11	23.99	16.93	0.008	-3.88E-04	-22.9	-138.6		166253
12	23.62	24.56	0.008	-9.76E-05	-15.2	-145.6		166253
13	23.06	36.40	0.008	3.34E-04	1.8	-149.5		166253
14	22.50	45.28	0.007	7.20E-04	24.7	-142.2		166253
		59.94	0.007	7.20E-04	24.7	-142.2		
15	21.98	73.11	0.007	9.95E-04	59.0	-120.6		166253
16	21.61	82.16	0.007	1.12E-03	88.1	-93.1		166253
		-43.00	0.007	1.12E-03	88.1	-93.1		
17	21.11	-39.44	0.006	1.19E-03	67.5	-54.4		166253
18	20.76	-36.21	0.006	1.17E-03	54.1	-32.9		166253
19	20.40	-32.54	0.005	1.12E-03	41.9	-16.0		166253
20	19.80	-25.90	0.004	9.91E-04	24.3	3.1		166253
21	19.20	-19.32	0.004	8.38E-04	10.8	12.9		166253
22	18.60	-13.16	0.003	6.95E-04	1.0	15.7		166253
23	18.00	-7.41	0.003	5.82E-04	-5.2	13.7		166253
24	17.40	-1.78	0.003	5.07E-04	-7.9	9.1		166253
25	16.80	4.22	0.002	4.69E-04	-7.2	3.8		166253

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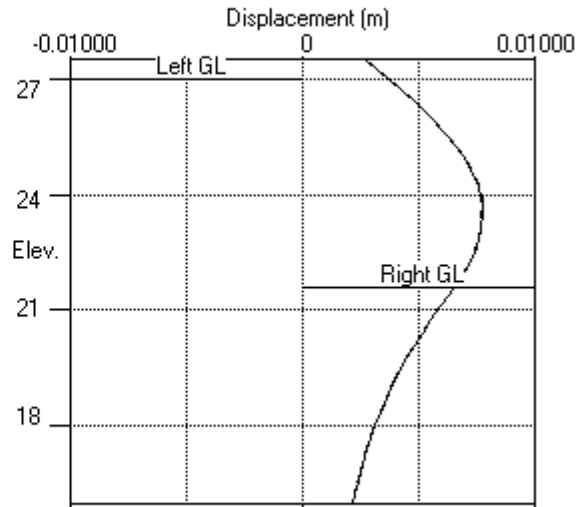
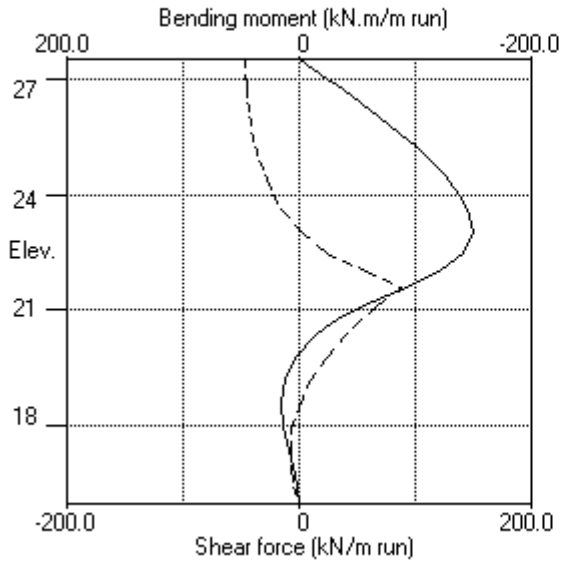
Stage No.6 Excavate to elevation 21.61 on RIGHT side

Node no.	Y coord	----- RIGHT side -----					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertical kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
12	23.62	0.00	0.00	0.00	0.00	0.00	0.0	
13	23.06	0.00	0.00	0.00	0.00	0.00	0.0	
14	22.50	0.00	0.00	0.00	0.00	0.00	0.0	
15	21.98	0.00	0.00	0.00	0.00	0.00	0.0	
16	21.61	0.00	0.00	0.00	0.00	0.00	0.0	
		Total>	0.00	0.00	157.22	125.16	15213	
17	21.11	Total>	10.50	2.50m	175.49	133.49	15965	
18	20.76	Total>	17.96	4.27m	188.46	138.65	16499	
19	20.40	Total>	25.42	6.05m	201.44	143.31	17032	
20	19.80	Total>	38.04	9.05m	223.38	150.60	17934	
21	19.20	Total>	50.69	12.05m	245.35	157.69	18836	
22	18.60	Total>	63.36	15.05m	267.34	164.95	19738	
23	18.00	Total>	76.06	18.05m	289.36	172.46	20640	
24	17.40	Total>	88.80	21.05m	311.43	180.10	21542	
25	16.80	Total>	101.58	24.05m	333.53	187.62	22444	
26	16.40	Total>	110.13	26.05m	348.29	192.43	23045	
27	16.00	Total>	118.70	28.05m	363.07	196.59	23646	

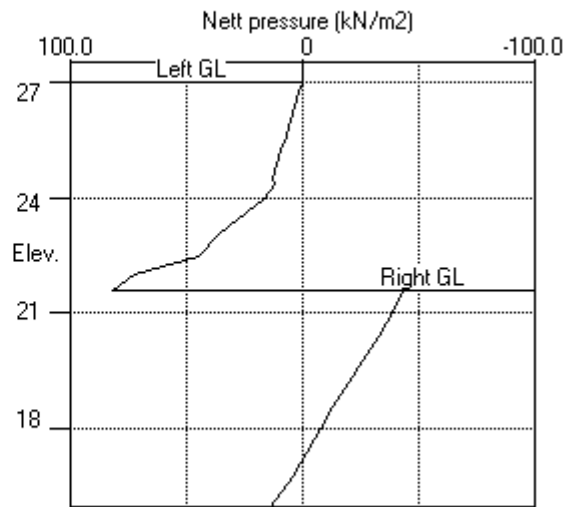
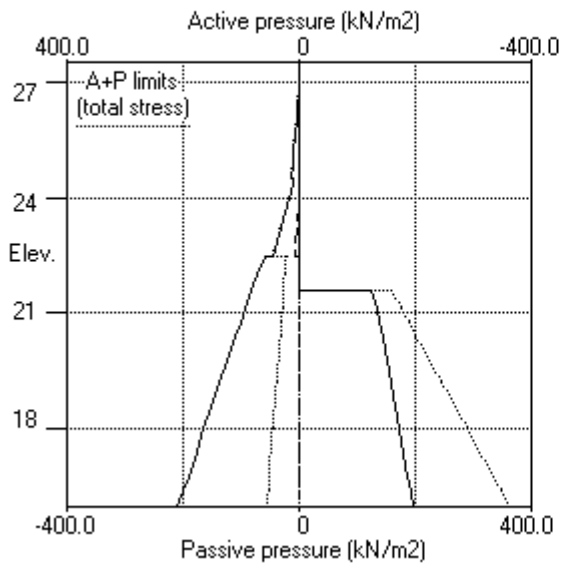
Note: 45.28a Soil pressure at active limit
 123.45p Soil pressure at passive limit

Units: kN,m

Stage No.6 Excav. to elev. 21.61 on RIGHT side



Stage No.6 Excav. to elev. 21.61 on RIGHT side



Units: kN,m

Stage No. 10 Change properties of soil type 3 to soil type 4
 Ko pressures will be reset

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method
 Factor of safety on soil strength

Stage No.	--- G.L. --- Act. Pass.	Strut Elev.	FoS for toe elev. = 16.00	Moment of equilib. at elev.	Toe elev. for FoS = 1.000	Wall Penetr -ation	Direction of failure
10	27.00 21.61			More than one strut.	No FoS calc.		

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: Serviceability Limit State

Calculated Bending Moments and Strut Forces are to be multiplied by a factor of 1.35 to obtain values for structural design. See summary for factored values.

*** Wall displacements reset to zero at stage 2

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.003	-1.12E-03	0.0	0.0		166253
2	27.00	0.00	0.004	-1.12E-03	0.0	0.0		166253
3	26.70	1.79	0.004	-1.12E-03	0.3	0.0	34.0	166253
		1.79	0.004	-1.12E-03	-33.7	0.0		
4	26.35	4.11	0.005	-1.11E-03	-32.7	-11.6		166253
5	26.00	6.60	0.005	-1.07E-03	-30.8	-22.7		166253
6	25.60	9.44	0.006	-1.00E-03	-27.6	-34.3		166253
7	25.20	12.10	0.006	-9.14E-04	-23.3	-44.5		166253
8	24.85	14.27	0.006	-8.15E-04	-18.7	-51.9		166253
9	24.50	16.27	0.006	-7.06E-04	-13.3	-57.5		166253
		18.91	0.006	-7.06E-04	-13.3	-57.5		
10	24.36	19.62	0.007	-6.60E-04	-10.6	-59.2		166253
11	23.99	23.82	0.007	-5.40E-04	-2.6	-61.6		166253
12	23.62	30.72	0.007	-4.29E-04	7.5	-60.6		166253
13	23.06	40.34	0.007	-3.06E-04	27.4	-50.8		166253
14	22.50	45.73	0.007	-2.78E-04	51.5	-28.6		166253
		99.20	0.007	-2.78E-04	51.5	-28.6		
15	21.98	107.37	0.008	-3.84E-04	104.7	11.9	253.6	166253
		107.37	0.008	-3.84E-04	-148.9	11.9		
16	21.61	111.19	0.008	-4.68E-04	-107.9	-36.2		166253
		96.37	0.008	-4.68E-04	-107.9	-36.2		
17	21.11	76.52	0.008	-4.50E-04	-64.7	-78.6		166253
18	20.76	66.77	0.008	-3.72E-04	-39.3	-96.9		166253
19	20.40	56.78	0.008	-2.58E-04	-17.3	-106.9		166253
20	19.80	39.96	0.008	-2.63E-05	11.7	-108.1		166253
21	19.20	23.86	0.008	2.15E-04	30.8	-95.1		166253
22	18.60	8.88	0.008	4.28E-04	40.6	-73.5		166253

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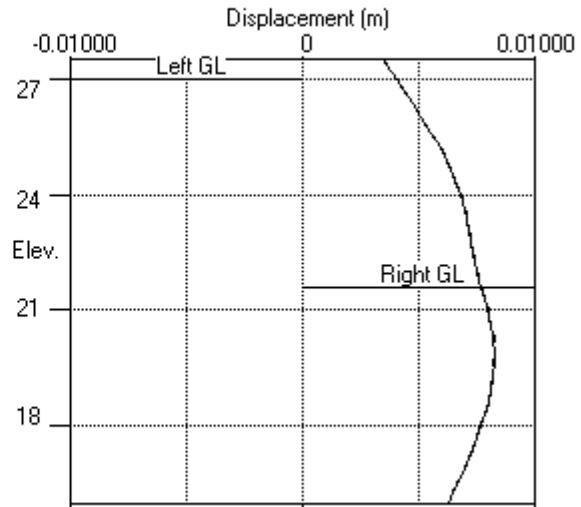
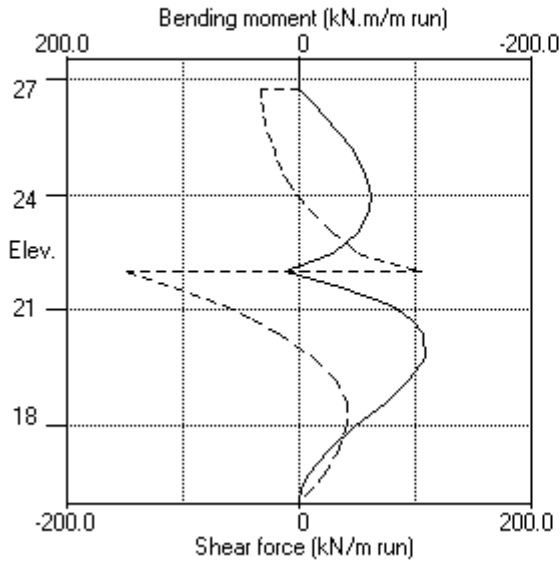
Stage No.10 Change properties of soil type 3 to soil type 4
 Ko pressures will be reset

Node no.	Y coord	----- RIGHT side -----						Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertical kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2	Effective stresses		
7	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
8	24.85	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
9	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
10	24.36	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
11	23.99	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
12	23.62	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
13	23.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
14	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0	
		0.00	0.00	0.00	14.83	14.83	14.83p	6145	
17	21.11	0.00	10.50	0.00	37.91	37.91	37.91p	6446	
18	20.76	4.25	13.71	0.00	44.96	44.96	49.21p	6660	
19	20.40	8.50	16.92	0.95	52.02	52.02	60.52p	6873	
20	19.80	15.68	22.36	3.43	63.97	63.97	79.65p	7235	
21	19.20	22.87	27.82	5.91	75.97	75.97	98.84p	7596	
22	18.60	30.05	33.31	8.41	88.04	88.04	118.08p	7958	
23	18.00	37.23	38.83	10.92	100.17	100.17	137.40p	8319	
24	17.40	44.42	44.39	13.45	112.39	112.39	156.80p	8681	
25	16.80	51.60	49.99	16.00	124.70	124.70	176.29p	9042	
26	16.40	56.39	53.75	17.71	132.96	132.96	189.34p	9283	
27	16.00	61.18	57.53	19.43	141.27	141.27	202.44p	9524	

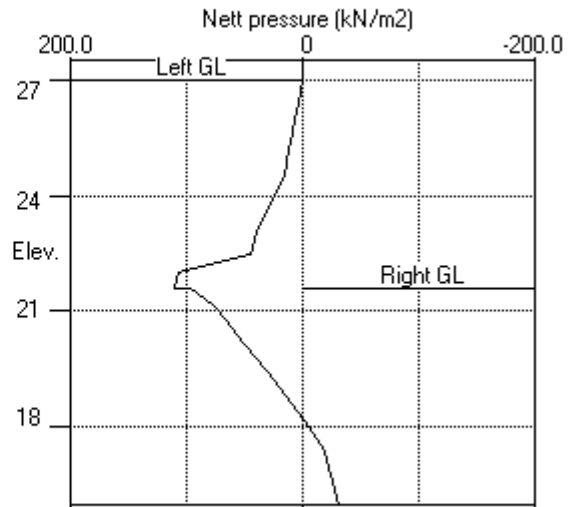
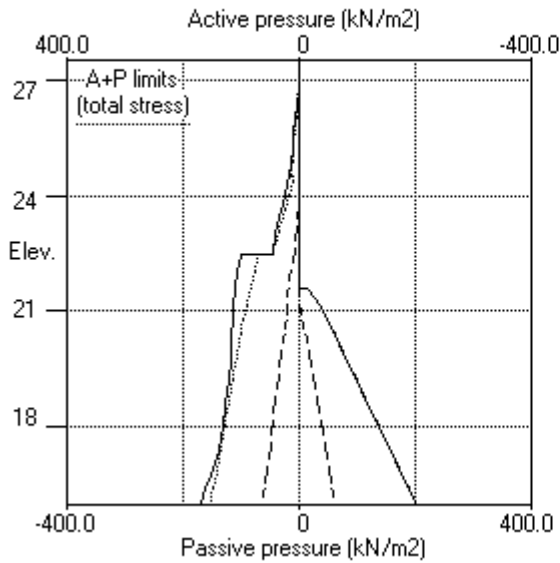
Note: 12.34a Soil pressure at active limit
 202.44p Soil pressure at passive limit

Units: kN,m

Stage No.10 Change soil type 3 to soil type 4



Stage No.10 Change soil type 3 to soil type 4



Units: kN,m

Stage No. 11 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

Stage No.	--- G.L. Act.	--- Pass.	Strut Elev.	FoS for toe elev. = 16.00	Toe elev. for FoS = 1.000	Wall Penetr-ation	Direction of failure
11	27.00	21.61		Factor of Safety More than one strut.	Moment of equil. at elev.	No FoS calc.	

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: Serviceability Limit State

Calculated Bending Moments and Strut Forces are to be multiplied by a factor of 1.35 to obtain values for structural design. See summary for factored values.

*** Wall displacements reset to zero at stage 2

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.003	-1.23E-03	0.0	0.0		118752
2	27.00	0.00	0.004	-1.23E-03	0.0	0.0		118752
3	26.70	1.99	0.004	-1.23E-03	0.3	0.0	31.3	118752
		1.99	0.004	-1.23E-03	-31.0	0.0		
4	26.35	4.00	0.005	-1.21E-03	-29.9	-10.9		118752
5	26.00	6.35	0.005	-1.17E-03	-28.1	-21.2		118752
6	25.60	9.05	0.006	-1.08E-03	-25.0	-32.0		118752
7	25.20	11.61	0.006	-9.62E-04	-20.9	-41.2		118752
8	24.85	13.73	0.006	-8.37E-04	-16.5	-47.7		118752
9	24.50	15.71	0.007	-6.99E-04	-11.3	-52.4		118752
		17.73	0.007	-6.99E-04	-11.3	-52.4		
10	24.36	18.46	0.007	-6.42E-04	-8.8	-53.6		118752
11	23.99	22.75	0.007	-4.93E-04	-1.2	-54.8		118752
12	23.62	29.85	0.007	-3.58E-04	8.6	-52.2		118752
13	23.06	39.85	0.007	-2.20E-04	28.1	-39.7		118752
14	22.50	45.61	0.007	-2.15E-04	52.0	-14.3		118752
		99.09	0.007	-2.15E-04	52.0	-14.3		
15	21.98	107.67	0.008	-3.98E-04	105.3	28.6	253.0	118752
		107.67	0.008	-3.98E-04	-147.8	28.6		
16	21.61	111.07	0.008	-5.41E-04	-106.8	-18.3		118752
		96.24	0.008	-5.41E-04	-106.8	-18.3		
17	21.11	76.01	0.008	-5.53E-04	-63.7	-60.1		118752
18	20.76	65.94	0.008	-4.70E-04	-38.5	-78.6		118752
19	20.40	55.64	0.008	-3.39E-04	-16.9	-89.1		118752
20	19.80	38.43	0.008	-6.19E-05	11.3	-92.0		118752
21	19.20	22.20	0.008	2.30E-04	29.5	-81.5		118752

(continued)

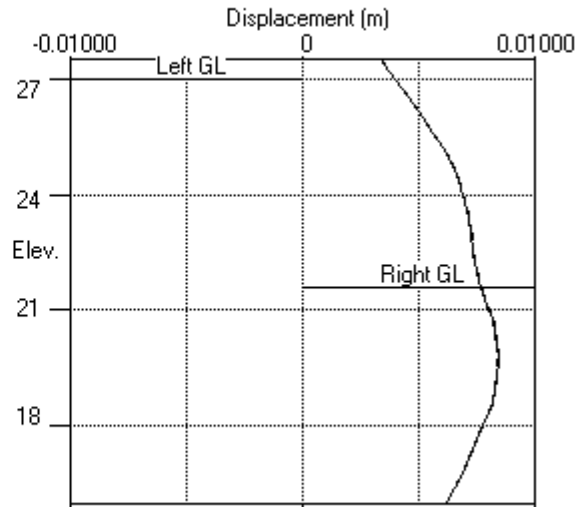
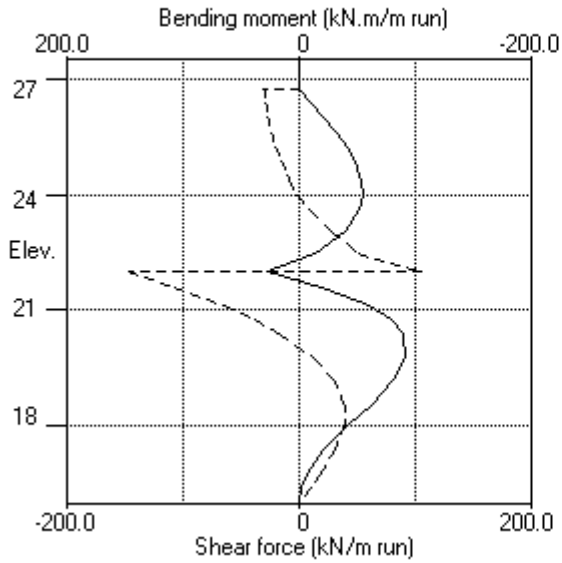
Stage No.11 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

Node no.	Y coord	----- RIGHT side -----					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
5	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
6	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.0
7	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.0
8	24.85	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10	24.36	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11	23.99	0.00	0.00	0.00	0.00	0.00	0.00	0.0
12	23.62	0.00	0.00	0.00	0.00	0.00	0.00	0.0
13	23.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
17	21.11	0.00	0.00	0.00	14.83	14.83	14.83p	7835
18	20.76	4.25	13.71	0.00	37.91	37.91	37.91p	8219
19	20.40	8.50	16.92	0.95	44.96	44.96	49.21p	8492
20	19.80	15.68	22.36	3.43	52.02	52.02	60.52p	8765
21	19.20	22.87	27.82	5.91	63.97	63.97	79.65p	9226
22	18.60	30.05	33.31	8.41	75.97	75.97	98.84p	9687
23	18.00	37.23	38.83	10.92	88.04	88.04	118.08p	10148
24	17.40	44.42	44.39	13.45	100.17	100.17	137.40p	10608
25	16.80	51.60	49.99	16.00	112.39	112.39	156.80p	11069
26	16.40	56.39	53.75	17.71	124.70	124.27	175.87	40873
27	16.00	61.18	57.53	19.43	132.96	130.79	187.18	41962
					141.27	137.28	198.46	43052

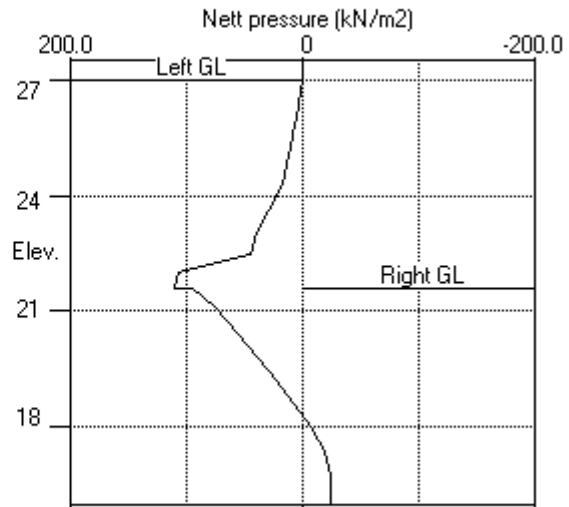
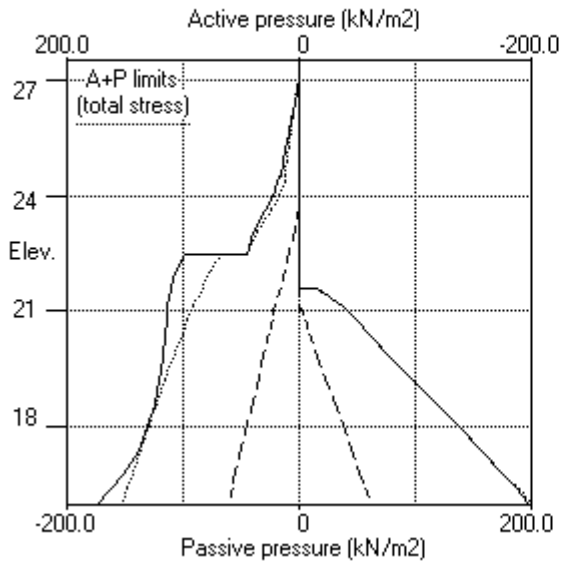
Note: 12.34a Soil pressure at active limit
 156.80p Soil pressure at passive limit

Units: kN,m

Stage No.11 Change EI of wall to 118752kN.m2/m run



Stage No.11 Change EI of wall to 118752kN.m2/m run



 Units: kN,m

Summary of results

LIMIT STATE PARAMETERS

Limit State: Serviceability Limit State
 All loads and soil strengths are unfactored

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method
 Factor of safety on soil strength

Stage No.	G.L.		Strut Elev.	FoS for toe elev. = 16.00		Toe elev. for FoS = 1.000		Direction of failure
	Act.	Pass.		Factor Safety	Moment of equil. at elev.	Toe elev.	Wall Penetration	
1	27.00	27.00	Cant.	Conditions not suitable for FoS calc.				
2	27.00	27.00		No analysis at this stage				
3	27.00	26.00	Cant.	3.756	16.39	25.42	0.58	L to R
4	27.00	26.00		No analysis at this stage				
5	27.00	26.00	27.50	4.570	n/a	25.87	0.13	L to R
6	27.00	21.61	27.50	2.148	n/a	21.15	0.46	L to R
7	27.00	21.61		No analysis at this stage				

All remaining stages have more than one strut - FoS calculation n/a

Units: kN,m

Summary of results

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall

Right side 20.00 from wall

Limit State: Serviceability Limit State

Calculated Bending Moments and Strut Forces have been multiplied by a factor of 1.35 to obtain values for structural design.

Bending moment, shear force and displacement envelopes

Node no.	Y coord	Displacement		---- Bending moment ----				----- Shear force -----			
		max.	min.	Calculated		Factored		Calculated		Factored	
				max.	min.	max.	min.	max.	min.	max.	min.
		m	m	kN.m/m	kN.m/m	kN.m/m	kN.m/m	kN/m	kN/m	kN/m	kN/m
1	27.50	0.003	0.000	0	-0	0	-0	0	-46	0	-62
2	27.00	0.004	0.000	0	-23	0	-31	0	-46	0	-62
3	26.70	0.004	0.000	0	-37	0	-50	0	-56	0	-75
4	26.35	0.005	0.000	0	-53	0	-71	1	-55	1	-74
5	26.00	0.005	0.000	1	-68	1	-92	3	-53	4	-72
6	25.60	0.006	0.000	2	-85	3	-115	3	-51	4	-69
7	25.20	0.007	0.000	3	-101	4	-137	1	-47	2	-64
8	24.85	0.007	0.000	3	-114	5	-154	0	-43	0	-59
9	24.50	0.007	0.000	3	-125	4	-169	0	-39	0	-53
10	24.36	0.007	0.000	2	-129	3	-174	0	-37	0	-50
11	23.99	0.008	0.000	0	-139	0	-187	0	-31	0	-42
12	23.62	0.008	0.000	0	-146	0	-197	10	-23	14	-30
13	23.06	0.008	0.000	0	-149	0	-202	38	-25	51	-34
14	22.50	0.008	0.000	0	-142	0	-192	71	-30	96	-41
15	21.98	0.008	0.000	29	-122	39	-164	134	-149	181	-201
16	21.61	0.008	0.000	0	-96	0	-129	88	-108	119	-146
17	21.11	0.008	0.000	0	-79	0	-106	67	-65	91	-87
18	20.76	0.008	0.000	0	-97	0	-131	54	-39	73	-53
19	20.40	0.008	0.000	0	-107	0	-144	42	-17	57	-23
20	19.80	0.008	0.000	3	-108	4	-146	25	0	34	0
21	19.20	0.008	0.000	13	-95	17	-128	31	0	42	0
22	18.60	0.008	0.000	16	-74	21	-99	41	0	55	0
23	18.00	0.008	0.000	14	-49	19	-66	42	-5	56	-7
24	17.40	0.007	0.000	9	-26	12	-35	35	-8	47	-11
25	16.80	0.007	0.000	4	-9	5	-12	22	-7	30	-10
26	16.40	0.007	0.000	1	-2	2	-3	12	-5	16	-6
27	16.00	0.006	0.000	0	-0	0	-0	0	-0	0	-0

Summary of results (continued)

Calculated Bending Moments and Strut Forces have been multiplied by a factor of 1.35 to obtain values for structural design.

Maximum and minimum bending moment and shear force at each stage

Stage no.	Bending moment						Shear force					
	Calculated			Factored			Calculated			Factored		
	max. elev.	min. elev.		max.	min.		max. elev.	min. elev.		max.	min.	
1	0	26.00	-52	21.11	0	-70	16	19.20	-25	22.50	21	-34
2	No calculation at this stage											
3	3	24.85	-52	21.11	5	-70	16	19.20	-30	22.50	21	-41
4	No calculation at this stage											
5	3	24.85	-52	21.11	3	-70	16	19.20	-28	22.50	21	-38
6	16	18.60	-149	23.06	21	-202	88	21.61	-46	27.50	119	-62
7	No calculation at this stage											
8	No calculation at this stage											
9	14	18.60	-144	23.06	19	-195	84	21.61	-56	26.70	113	-75
10	12	21.98	-108	19.80	16	-146	105	21.98	-149	21.98	141	-201
11	29	21.98	-92	19.80	39	-124	105	21.98	-148	21.98	142	-199
12	17	21.98	-86	19.80	23	-116	102	21.98	-134	21.98	138	-180
13	22	21.98	-84	23.99	30	-113	134	21.98	-132	21.98	181	-178

Maximum and minimum displacement at each stage

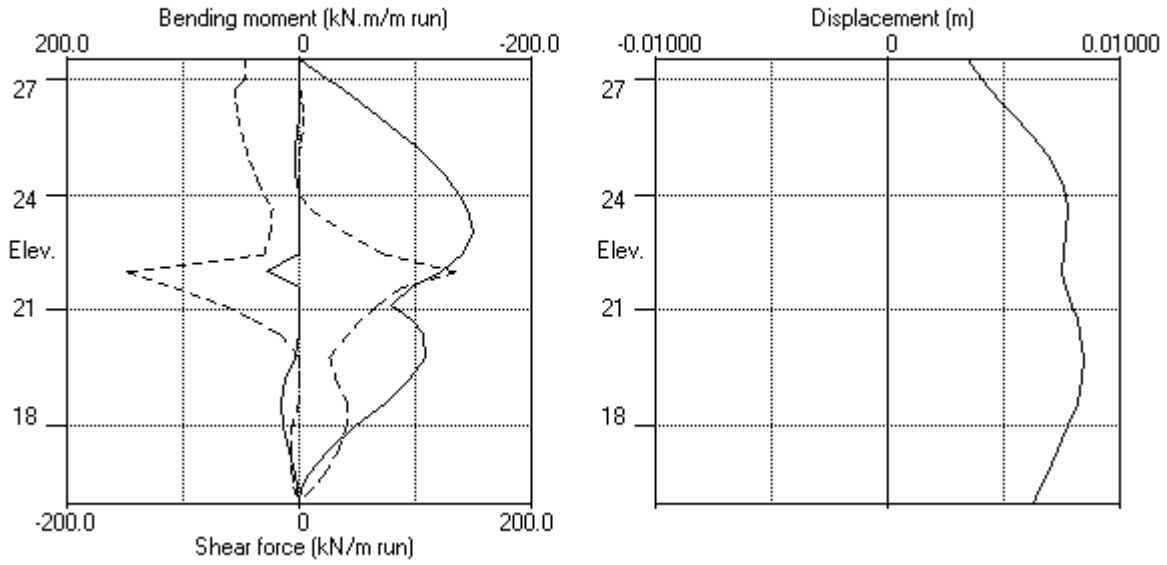
Stage no.	Displacement				Stage description
	maximum elev.	minimum elev.			
1	0.003	20.40	-0.001	27.50	Apply surcharge no.1 at elev. 24.36
2	Wall displacements reset to zero				Change EI of wall to 166253kN.m ² /m run
3	0.002	27.50	0.000	27.50	Excav. to elev. 26.00 on RIGHT side
4	No calculation at this stage				Install strut no.3 at elev. 27.50
5	0.002	27.50	0.000	27.50	Apply water pressure profile no.2
6	0.008	23.62	0.000	27.50	Excav. to elev. 21.61 on RIGHT side
7	No calculation at this stage				Install strut no.1 at elev. 21.98
8	No calculation at this stage				Install strut no.2 at elev. 26.70
9	0.008	23.62	0.000	27.50	Remove strut no.3 at elev. 27.50
10	0.008	19.80	0.000	27.50	Change soil type 3 to soil type 4
11	0.008	19.80	0.000	27.50	Change EI of wall to 118752kN.m ² /m run
12	0.008	19.80	0.000	27.50	Apply surcharge no.3 at elev. 21.61
13	0.008	20.40	0.000	27.50	Apply water pressure profile no.3

Strut forces at each stage (horizontal components)

Stage no.	Strut no. 1			Strut no. 2			Strut no. 3		
	at elev. 21.98			at elev. 26.70			at elev. 27.50		
	Calculated	Factored		Calculated	Factored		Calculated	Factored	
	kN per m run	kN per strut	kN per strut	kN per m run	kN per strut	kN per strut	kN per m run	kN per strut	kN per strut
5	---	---	---	---	---	---	0	0	0
6	---	---	---	---	---	---	46	46	62
9	slack	slack	slack	56	56	76	---	---	---
10	254	254	342	34	34	46	---	---	---
11	253	253	342	31	31	42	---	---	---
12	235	235	318	33	33	45	---	---	---
13	267	267	360	44	44	60	---	---	---

Units: kN,m

Bending moment, shear force, displacement envelopes



Units: kN,m

INPUT DATA

SOIL PROFILE

Stratum no.	Elevation of top of stratum	Soil types	
		Left side	Right side
1	27.00	2 MG (drained)	2 MG (drained)
2	24.50	1 Lynch Hill Gravels	1 Lynch Hill Gravels
3	22.50	3 LCF (undrained)	3 LCF (undrained)

SOIL PROPERTIES (Unfactored SLS soil strengths)

-- Soil type --	Bulk density	Young's Modulus	At rest coeff.	Consol state.	Active limit	Passive limit	Cohesion
No. Description (Datum elev.)	kN/m3	Eh, kN/m2 (dEh/dy)	Ko (dKo/dy)	NC/OC (Nu)	Ka (Kac)	Kp (Kpc)	kN/m2 (dc/dy)
1 Lynch Hill Gravels	19.00	30000	0.470	OC (0.200)	0.250 (0.000)	5.788 (0.000)	
2 MG (drained)	19.00	14000	0.500	OC (0.200)	0.273 (0.000)	5.026 (0.000)	
3 LCF (undr.. (22.50)	21.00	36000 (3900)	1.000	OC (0.490)	1.000 (2.389)	1.000 (2.390)	60.00u (6.500)
4 LCF (drai.. (22.50)	21.00	27000 (2900)	0.625	OC (0.200)	0.455 (1.349)	2.198 (2.965)	5.000d
5 Fill	20.00	50000	0.384	OC (0.200)	0.197 (0.000)	8.446 (0.000)	

Additional soil parameters associated with Ka and Kp

Soil type	--- parameters for Ka ---			--- parameters for Kp ---		
	Soil friction	Wall adhesion	Back-fill	Soil friction	Wall adhesion	Back-fill
No. Description	angle	coeff.	angle	angle	coeff.	angle
1 Lynch Hill Gravels	32.00	1.000	0.00	32.00	1.000	0.00
2 MG (drained)	30.00	1.000	0.00	30.00	1.000	0.00
3 LCF (undrained)	0.00	0.500	0.00	0.00	0.500	0.00
4 LCF (drained)	22.00	0.000	0.00	22.00	0.000	0.00
5 Fill	38.00	0.670	0.00	38.00	0.670	0.00

GROUND WATER CONDITIONS

Density of water = 10.00 kN/m3
 Initial water pressure profile = Profile number 1

Automatic water pressure balancing at toe of wall : Yes

Water profile no.	Left side				Right side			
	Point no.	Elev. m	Piezo elev. m	Water press. kN/m2	Point no.	Elev. m	Piezo elev. m	Water press. kN/m2
1	1	23.62	23.62	0.0	1	23.62	23.62	0.0
2	1	23.62	23.62	0.0	1	21.11	21.11	0.0 MC+WC
					2	21.11	21.11	0.0
3	1	26.00	26.00	0.0	1	21.61	21.61	0.0 MC+WC
					2	21.61	26.00	43.9

WALL PROPERTIES

Type of structure = Fully Embedded Wall
 Elevation of toe of wall = 16.00
 Maximum finite element length = 0.60 m
 Youngs modulus of wall E = 2.8000E+07 kN/m2
 Moment of inertia of wall I = 8.4800E-03 m4/m run
 E.I = 237440 kN.m2/m run
 Yield Moment of wall = Not defined

STRUTS and ANCHORS

Strut/ anchor no.	Elev.	Strut spacing m	X-section area of strut sq.m	Youngs modulus kN/m2	Free length m	Inclin -ation (degs)	Pre- stress /strut kN	Tension allowed
1	21.98	1.00	0.750000	1.500E+07	25.00	0.00	0	No
2	26.70	1.00	0.600000	1.500E+07	25.00	0.00	0	No
3	27.50	1.00	1.000000	40000	1.00	0.00	0	No

SURCHARGE LOADS

Surch -arge no.	Elev.	Distance from wall	Length parallel to wall	Width perpend. to wall	Surcharge ----- Near edge	Surcharge ----- Far edge	Equiv. soil type	Partial factor/ Category
1	24.36	0.50(L)	10.00	10.00	105.00	=	N/A	1.00 P/U
2	Not defined							
3	21.61	-0.00(R)	30.00	25.00	44.00	=	N/A	1.00 -

Note: L = Left side, R = Right side

Limit State Categories P/U = Permanent Unfavourable
P/F = Permanent Favourable
Var = Variable (unfavourable)

CONSTRUCTION STAGES

Construction stage no.	Stage description
1	Apply surcharge no.1 at elevation 24.36
2	Change EI of wall to 166253 kN.m2/m run Yield moment not defined Reset wall displacements to zero at this stage
3	Excavate to elevation 26.00 on RIGHT side
4	Install strut or anchor no.3 at elevation 27.50
5	Apply water pressure profile no.2 (Worst Cred.)
6	Excavate to elevation 21.11 on RIGHT side
7	Fill to elevation 21.61 on RIGHT side with soil type 5
8	Install strut or anchor no.1 at elevation 21.98
9	Install strut or anchor no.2 at elevation 26.70
10	Remove strut or anchor no.3 at elevation 27.50
11	Change properties of soil type 3 to soil type 4 Ko pressures will be reset
12	Change EI of wall to 118752 kN.m2/m run Yield moment not defined Allow wall to relax with new modulus value
13	Apply surcharge no.3 at elevation 21.61
14	Apply water pressure profile no.3 (Worst Cred.)

FACTORS OF SAFETY and ANALYSIS OPTIONS

Limit State options: ULS DA1 Combination 2

Water pressures : Worst Credible

Partial factor on C' = 1.250

Partial factor on Phi' = 1.250

Partial factor on Cu = 1.400

Partial factor on Soil Modulus = 1.000

Partial factor on Permanent Unfavourable loads = 1.000

Partial factor on Permanent Favourable loads = 1.000

Partial factor on Variable Unfavourable loads = 1.300

Stability analysis:

Method of analysis - Strength Factor method

Overall factor on soil strength for calculating wall depth = 1.00

Parameters for undrained strata:

Minimum equivalent fluid density = 5.00 kN/m3

Maximum depth of water filled tension crack = 0.00 m

Bending moment and displacement calculation:

Method - Subgrade reaction model using Influence Coefficients

Open Tension Crack analysis? - No

Non-linear Modulus Parameter (L) = 11.00 m

Boundary conditions:

Length of wall (normal to plane of analysis) = 20.00 m

Width of excavation on Left side of wall = 20.00 m

Width of excavation on Right side of wall = 20.00 m

Distance to rigid boundary on Left side = 20.00 m

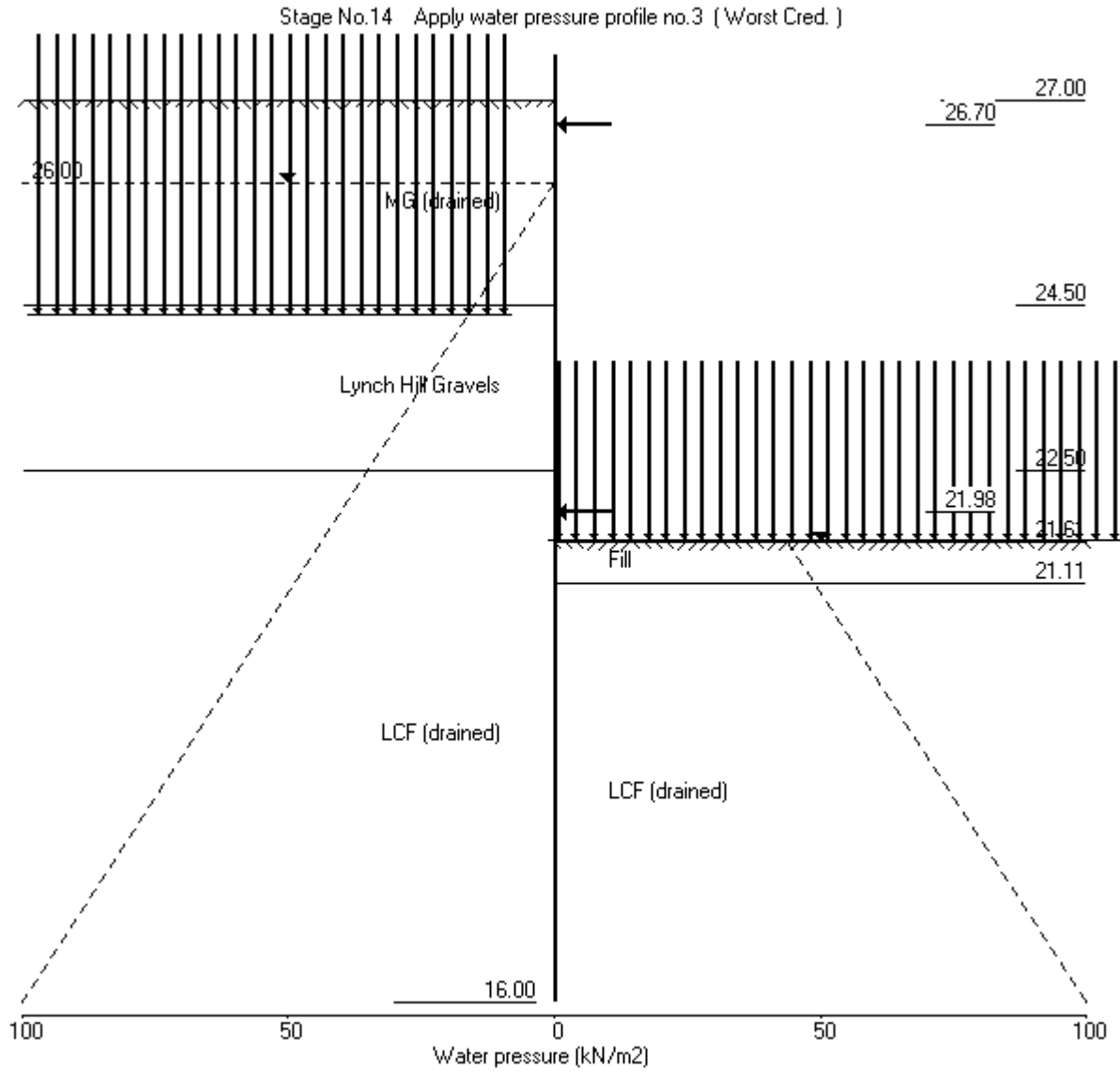
Distance to rigid boundary on Right side = 20.00 m

OUTPUT OPTIONS

Stage no.	Stage description	Displacement Bending mom. Shear force	Active, Passive pressures	Graph. output
1	Apply surcharge no.1 at elev. 24.36	Yes	Yes	Yes
2	Change EI of wall to 166253kN.m ² /m run	Yes	Yes	Yes
3	Excav. to elev. 26.00 on RIGHT side	Yes	Yes	Yes
4	Install strut no.3 at elev. 27.50	Yes	Yes	Yes
5	Apply water pressure profile no.2	Yes	Yes	Yes
6	Excav. to elev. 21.11 on RIGHT side	Yes	Yes	Yes
7	Fill to elev. 21.61 on RIGHT side	Yes	Yes	Yes
8	Install strut no.1 at elev. 21.98	Yes	Yes	Yes
9	Install strut no.2 at elev. 26.70	Yes	Yes	Yes
10	Remove strut no.3 at elev. 27.50	Yes	Yes	Yes
11	Change soil type 3 to soil type 4	Yes	Yes	Yes
12	Change EI of wall to 118752kN.m ² /m run	No	Yes	Yes
13	Apply surcharge no.3 at elev. 21.61	Yes	Yes	Yes
14	Apply water pressure profile no.3	Yes	Yes	Yes
*	Summary output	Yes	-	Yes

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Units: kN,m



Units: kN,m

Stage No. 3 Excavate to elevation 26.00 on RIGHT side

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

Stage No.	--- G.L. --- Act. Pass.	Strut Elev.	Overall		Toe elev. for		Wall Penetr- -ation	Direction of failure
			FoS for toe elev. = 16.00	Moment of equilib. at elev.	FoS = 1.000	Toe elev.		
3	27.00 26.00	Cant.	2.808	16.32	25.08	0.92	L to R	

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall

Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 2

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.002	2.64E-04	0.0	-0.0		166253
2	27.00	0.00	0.002	2.64E-04	0.0	0.0		166253
3	26.70	1.96	0.002	2.64E-04	0.3	0.0		166253
4	26.35	4.24	0.002	2.63E-04	1.4	0.3		166253
5	26.00	6.52	0.001	2.62E-04	3.3	1.1		166253
6	25.60	-5.59	0.001	2.56E-04	3.4	2.8		166253
7	25.20	-7.03	0.001	2.46E-04	0.9	3.7		166253
8	24.85	-8.29	0.001	2.33E-04	-1.8	3.6		166253
9	24.50	-8.99	0.001	2.19E-04	-4.8	2.5		166253
		-17.21	0.001	2.19E-04	-4.8	2.5		
10	24.36	-17.82	0.001	2.12E-04	-7.2	1.7		166253
11	23.99	-16.09	0.001	1.94E-04	-13.5	-2.3		166253
12	23.62	-10.27	0.001	1.76E-04	-18.4	-8.3		166253
13	23.06	-4.53	0.001	1.49E-04	-22.5	-19.8		166253
14	22.50	-2.47	0.001	1.24E-04	-24.5	-33.0		166253
		21.01	0.001	1.24E-04	-24.5	-33.0		
15	21.98	20.15	0.001	1.03E-04	-13.9	-42.6		166253
16	21.61	18.06	0.001	9.05E-05	-6.7	-46.3		166253
17	21.11	14.33	0.001	7.58E-05	1.4	-47.4		166253
18	20.76	11.42	0.001	6.70E-05	5.9	-46.0		166253
19	20.40	8.52	0.001	5.96E-05	9.5	-43.2		166253
20	19.80	3.98	0.001	4.98E-05	13.2	-36.1		166253
21	19.20	0.19	0.001	4.29E-05	14.5	-27.6		166253
22	18.60	-2.69	0.001	3.84E-05	13.7	-19.0		166253
23	18.00	-4.66	0.000	3.56E-05	11.5	-11.5		166253
24	17.40	-5.79	0.000	3.40E-05	8.4	-5.6		166253
25	16.80	-6.18	0.000	3.34E-05	4.8	-1.8		166253
26	16.40	-6.08	0.000	3.32E-05	2.4	-0.4		166253
27	16.00	-5.70	0.000	3.32E-05	0.0	-0.0		---

(continued)

Stage No.3 Excavate to elevation 26.00 on RIGHT side

Node no.	Y coord	LEFT side					Total earth pressure	Coeff. of subgrade reaction
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	3323
3	26.70	0.00	5.70	1.96	20.41	1.96	1.96a	3323
4	26.35	0.00	12.35	4.24	44.22	4.24	4.24a	3323
5	26.00	0.00	19.00	6.52	68.03	6.52	6.52a	3323
6	25.60	0.00	26.60	9.13	95.24	9.13	9.13a	3323
7	25.20	0.00	34.20	11.74	122.46	11.74	11.74a	3323
8	24.85	0.00	40.85	14.02	146.27	14.02	14.02a	3323
9	24.50	0.00	47.50	16.30	170.08	16.89	16.89	3323
		0.00	47.50	15.10	190.05	15.10	15.10a	7120
10	24.36	0.00	50.16	15.94	200.69	15.94	15.94a	7120
11	23.99	0.00	67.80	21.55	271.25	21.55	21.55a	7120
12	23.62	0.00	98.36	31.26	393.53	31.26	31.26a	7120
13	23.06	5.60	126.63	40.25	506.67	40.25	45.85a	7120
14	22.50	11.20	143.12	45.49	572.62	45.49	56.69a	7120
		Total>	154.32	51.89	256.78	119.97	119.97	12269
15	21.98	Total>	170.39	62.24	278.56	132.89	132.89	12954
16	21.61	Total>	180.20	67.89	292.54	140.66	140.66	13452
17	21.11	Total>	191.67	73.81	309.56	149.77	149.77	14117
18	20.76	Total>	198.99	77.20	320.82	155.72	155.72	14589
19	20.40	Total>	205.82	80.09	331.59	161.44	161.44	15060
20	19.80	Total>	216.55	84.16	348.98	170.89	170.89	15858
21	19.20	Total>	226.59	87.54	365.68	180.40	180.40	16655
22	18.60	Total>	236.24	90.53	381.98	190.18	190.18	17453
23	18.00	Total>	245.67	93.30	398.07	200.31	200.31	18250
24	17.40	Total>	255.02	96.00	414.08	210.83	210.83	19048
25	16.80	Total>	264.38	98.70	430.10	221.72	221.72	19845
26	16.40	Total>	270.66	100.54	440.82	229.19	229.19	20377
27	16.00	Total>	276.98	102.43	451.58	236.82	236.82	20909

Node no.	Y coord	RIGHT side					Total earth pressure	Coeff. of subgrade reaction
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
3	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.0
4	26.35	0.00	0.00	0.00	0.00	0.00	0.00	0.0
5	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	3332
6	25.60	0.00	7.60	2.61	27.21	14.72	14.72	3332
7	25.20	0.00	15.20	5.22	54.43	18.77	18.77	3332
8	24.85	0.00	21.85	7.50	78.24	22.31	22.31	3332
9	24.50	0.00	28.50	9.78	102.06	25.87	25.87	3332
		0.00	28.50	9.06	114.04	32.30	32.30	7139
10	24.36	0.00	31.16	9.91	124.69	33.76	33.76	7139
11	23.99	0.00	38.20	12.14	152.83	37.64	37.64	7139
12	23.62	0.00	45.23	14.38	180.98	41.53	41.53	7139
13	23.06	5.60	50.28	15.98	201.19	44.78	50.38	7139
14	22.50	11.20	55.34	17.59	221.42	47.96	59.16	7139
		Total>	66.54	17.50m	168.98	98.96	98.96	12300
15	21.98	Total>	77.38	20.08m	185.53	112.74	112.74	12986

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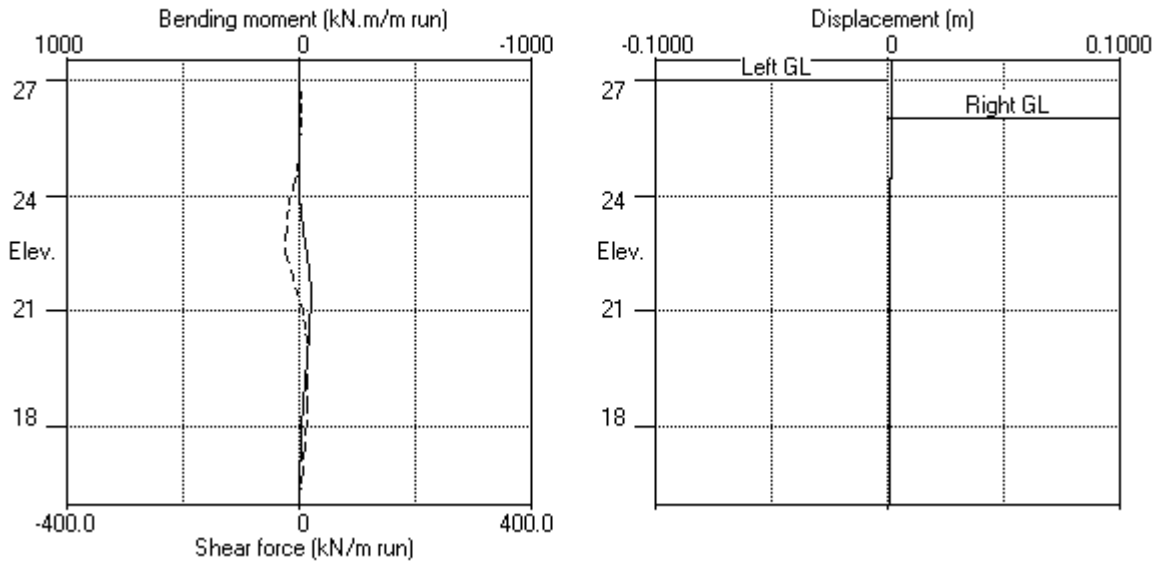
Stage No.3 Excavate to elevation 26.00 on RIGHT side

Node no.	Y coord	----- RIGHT side -----					Total earth pressure	Coeff. of subgrade reaction
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
16	21.61	Total>	85.27	21.95m	197.59	122.60	122.60	13486
17	21.11	Total>	95.80	24.45m	213.67	135.44	135.44	14152
18	20.76	Total>	103.28	26.22m	225.09	144.30	144.30	14625
19	20.40	Total>	110.76	28.00m	236.51	152.92	152.92	15098
20	19.80	Total>	123.42	31.00m	255.82	166.91	166.91	15897
21	19.20	Total>	136.08	34.00m	275.14	180.21	180.21	16697
22	18.60	Total>	148.75	37.00m	294.47	192.86	192.86	17496
23	18.00	Total>	161.43	40.00m	313.82	204.97	204.97	18296
24	17.40	Total>	174.12	43.00m	333.17	216.61	216.61	19095
25	16.80	Total>	186.82	46.00m	352.53	227.90	227.90	19895
26	16.40	Total>	195.29	48.00m	365.44	235.27	235.27	20428
27	16.00	Total>	203.77	50.00m	378.35	242.51	242.51	20961

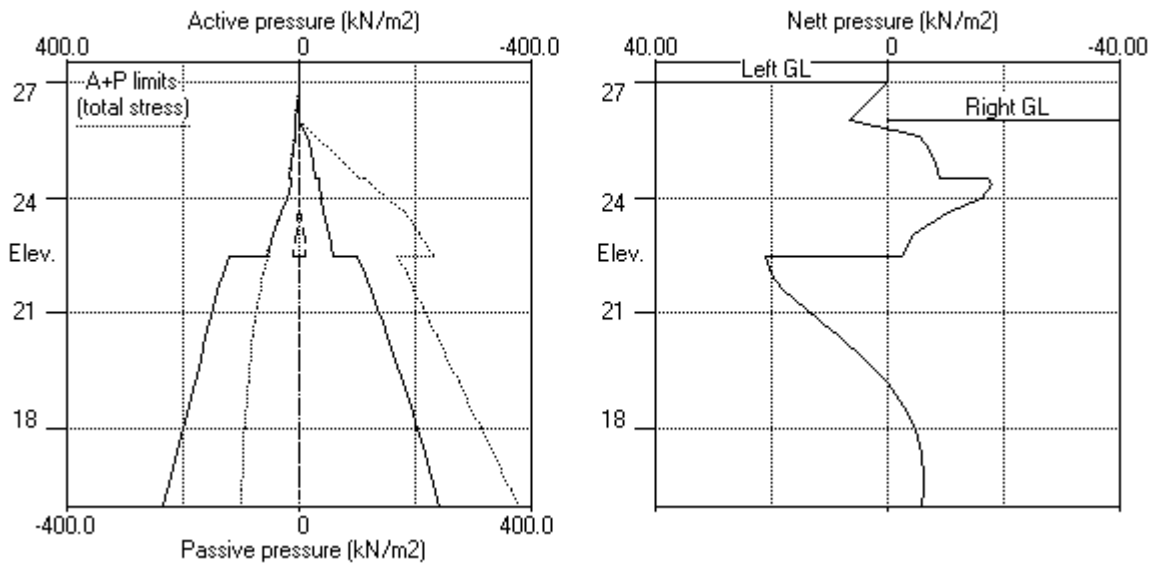
Note: 56.69a Soil pressure at active limit
 123.45p Soil pressure at passive limit

Units: kN,m

Stage No.3 Excav. to elev. 26.00 on RIGHT side



Stage No.3 Excav. to elev. 26.00 on RIGHT side



Units: kN,m

Stage No. 6 Excavate to elevation 21.11 on RIGHT side

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

Stage No.	G.L.		Strut Elev.	Overall FoS for toe elev. = 16.00		Toe elev. for FoS = 1.000		Direction of failure
	Act.	Pass.		Factor of Safety	Moment at elev.	Toe elev.	Wall Penetration	
6	27.00	21.11	27.50	1.433	n/a	19.37	1.74	L to R

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall

Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 2

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.003	-2.67E-03	-60.8	-0.0	60.8	166253
2	27.00	0.00	0.005	-2.62E-03	-60.8	-30.4		166253
3	26.70	1.96	0.006	-2.55E-03	-60.5	-48.6		166253
4	26.35	4.24	0.006	-2.42E-03	-59.5	-69.6		166253
5	26.00	6.52	0.007	-2.26E-03	-57.6	-90.1		166253
6	25.60	9.13	0.008	-2.01E-03	-54.4	-112.4		166253
7	25.20	11.74	0.009	-1.72E-03	-50.3	-133.4		166253
8	24.85	14.02	0.009	-1.43E-03	-45.8	-150.2		166253
9	24.50	16.30	0.010	-1.10E-03	-40.4	-165.2		166253
		15.10	0.010	-1.10E-03	-40.4	-165.2		
10	24.36	15.94	0.010	-9.71E-04	-38.3	-170.7		166253
11	23.99	21.55	0.010	-5.95E-04	-31.3	-183.8		166253
12	23.62	31.26	0.010	-2.05E-04	-21.6	-193.7		166253
13	23.06	45.10	0.010	3.82E-04	-0.2	-200.1		166253
14	22.50	55.18	0.010	9.29E-04	27.9	-192.5		166253
		51.89	0.010	9.29E-04	27.9	-192.5		
15	21.98	62.24	0.009	1.35E-03	57.3	-170.6		166253
16	21.61	67.89	0.009	1.59E-03	81.7	-144.5		166253
17	21.11	73.81	0.008	1.80E-03	117.1	-94.7		166253
		-44.04	0.008	1.80E-03	117.1	-94.7		
18	20.76	-50.53	0.007	1.85E-03	100.3	-54.4		166253
19	20.40	-51.24	0.007	1.83E-03	82.3	-22.1		166253
20	19.80	-52.11	0.006	1.68E-03	51.2	17.6		166253
21	19.20	-50.33	0.005	1.45E-03	20.5	44.0		166253
22	18.60	-32.16	0.004	1.19E-03	-4.2	47.0		166253
23	18.00	-15.83	0.003	9.87E-04	-18.6	38.5		166253
24	17.40	-0.83	0.003	8.42E-04	-23.6	24.3		166253
25	16.80	13.92	0.002	7.66E-04	-19.7	9.8		166253
26	16.40	24.28	0.002	7.48E-04	-12.1	2.9		166253

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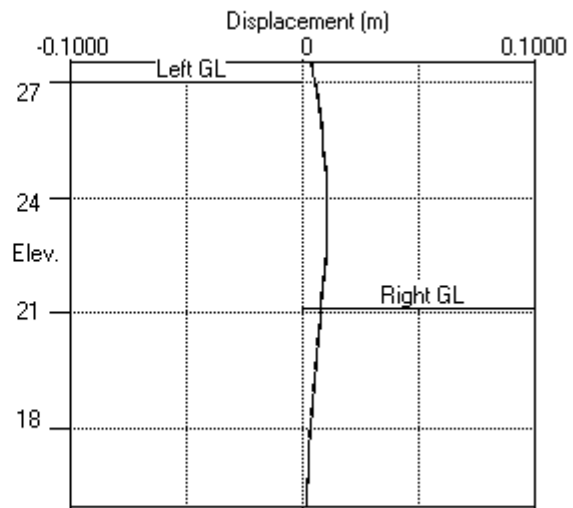
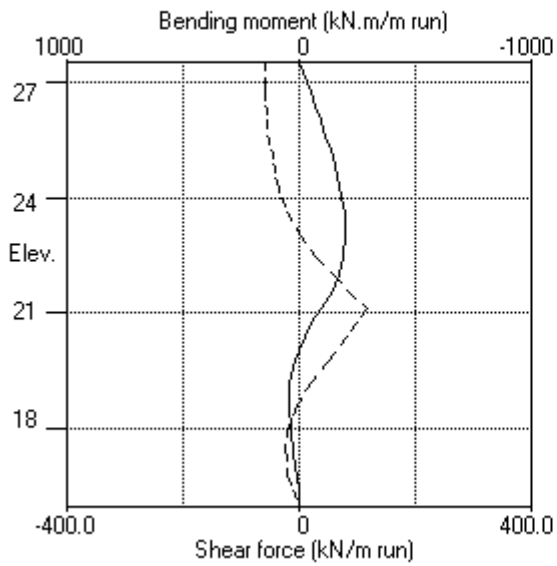
Stage No.6 Excavate to elevation 21.11 on RIGHT side

Node no.	Y coord	Effective stresses					Total earth pressure	Coeff. of subgrade reaction
		Water press.	Vertical	Active limit	Passive limit	Earth pressure		
		kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m2	kN/m3
13	23.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
17	21.11	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		Total>	0.00	0.00	117.85	117.85	117.85p	18361
18	20.76	Total>	7.46	1.77m	129.25	129.25	129.25p	18974
19	20.40	Total>	14.91	3.55m	140.64	140.64	140.64p	19588
20	19.80	Total>	27.52	6.55m	159.91	159.91	159.91p	20625
21	19.20	Total>	40.15	9.55m	179.20	176.42	176.42	21663
22	18.60	Total>	52.80	12.55m	198.51	175.95	175.95	22700
23	18.00	Total>	65.49	15.55m	217.85	176.65	176.65	23737
24	17.40	Total>	78.21	18.55m	237.23	178.26	178.26	24774
25	16.80	Total>	90.97	21.55m	256.66	180.13	180.13	25811
26	16.40	Total>	99.51	23.55m	269.63	181.13	181.13	26503
27	16.00	Total>	108.06	25.55m	282.63	181.41	181.41	27194

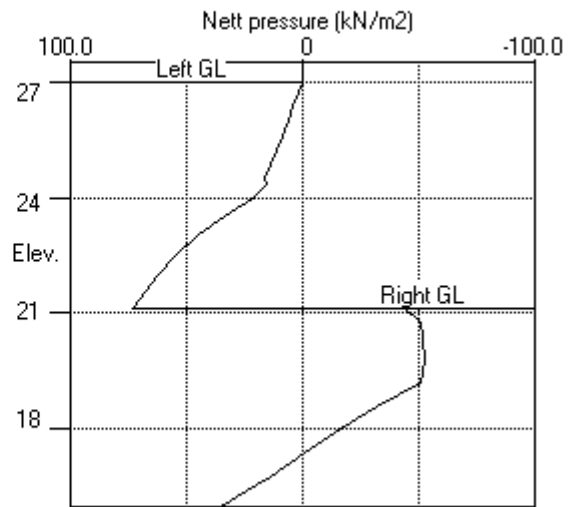
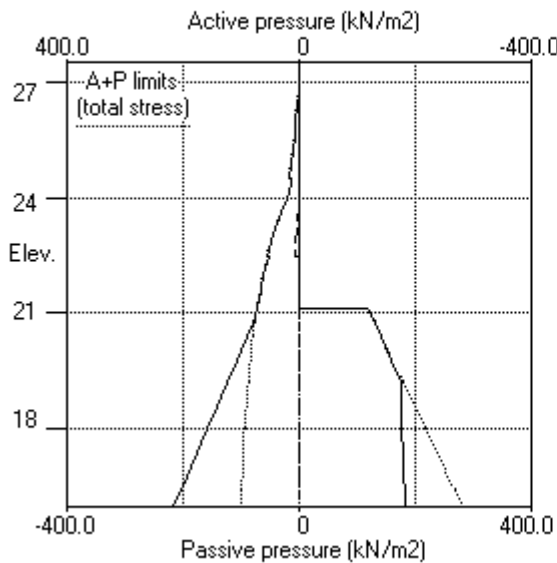
Note: 73.81a Soil pressure at active limit
 159.91p Soil pressure at passive limit

Units: kN,m

Stage No.6 Excav. to elev. 21.11 on RIGHT side



Stage No.6 Excav. to elev. 21.11 on RIGHT side



Units: kN,m

Stage No. 7 Fill to elevation 21.61 on RIGHT side with soil type 5

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method
 Factor of safety on soil strength

Stage No.	--- G.L. --- Act. Pass.	Strut Elev.	Overall		Toe elev. for		Direction of failure
			FoS for toe elev. = 16.00	Moment of equil. at elev.	Toe elev.	Wall Penetration	
7	27.00 21.61	27.50	1.506	n/a	19.65	1.96	L to R

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 2

Node no.	Y coord	Nett pressure kN/m ²	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m ² /m
1	27.50	0.00	0.003	-2.64E-03	-61.4	-0.0	61.4	166253
2	27.00	0.00	0.005	-2.60E-03	-61.4	-30.7		166253
3	26.70	1.97	0.005	-2.52E-03	-61.1	-49.1		166253
4	26.35	4.28	0.006	-2.40E-03	-60.0	-70.3		166253
5	26.00	6.58	0.007	-2.23E-03	-58.1	-90.9		166253
6	25.60	9.22	0.008	-1.98E-03	-54.9	-113.4		166253
7	25.20	11.86	0.009	-1.69E-03	-50.7	-134.6		166253
8	24.85	14.18	0.009	-1.39E-03	-46.2	-151.5		166253
9	24.50	16.49	0.010	-1.06E-03	-40.8	-166.7		166253
		15.50	0.010	-1.06E-03	-40.8	-166.7		
10	24.36	16.37	0.010	-9.31E-04	-38.6	-172.2		166253
11	23.99	22.06	0.010	-5.52E-04	-31.5	-185.4		166253
12	23.62	31.87	0.010	-1.58E-04	-21.5	-195.3		166253
13	23.06	45.86	0.010	4.35E-04	0.3	-201.6		166253
14	22.50	56.11	0.010	9.86E-04	28.8	-193.6		166253
		53.53	0.010	9.86E-04	28.8	-193.6		
15	21.98	64.28	0.009	1.41E-03	59.2	-171.0		166253
16	21.61	70.25	0.009	1.65E-03	84.4	-144.0		166253
17	21.11	74.01	0.008	1.85E-03	120.5	-92.7		166253
		-47.88	0.008	1.85E-03	120.5	-92.7		
18	20.76	-53.73	0.007	1.90E-03	102.4	-51.5		166253
19	20.40	-53.83	0.006	1.87E-03	83.3	-18.6		166253
20	19.80	-53.77	0.005	1.71E-03	51.1	21.3		166253
21	19.20	-51.22	0.004	1.47E-03	19.6	47.2		166253
22	18.60	-32.45	0.004	1.20E-03	-5.5	49.6		166253
23	18.00	-15.66	0.003	9.86E-04	-20.0	40.2		166253
24	17.40	-0.32	0.002	8.36E-04	-24.8	25.2		166253
25	16.80	14.70	0.002	7.58E-04	-20.5	10.1		166253
26	16.40	25.23	0.002	7.40E-04	-12.5	3.0		166253

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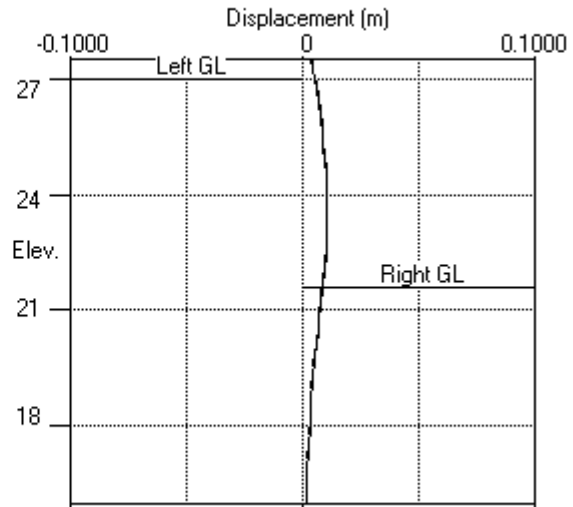
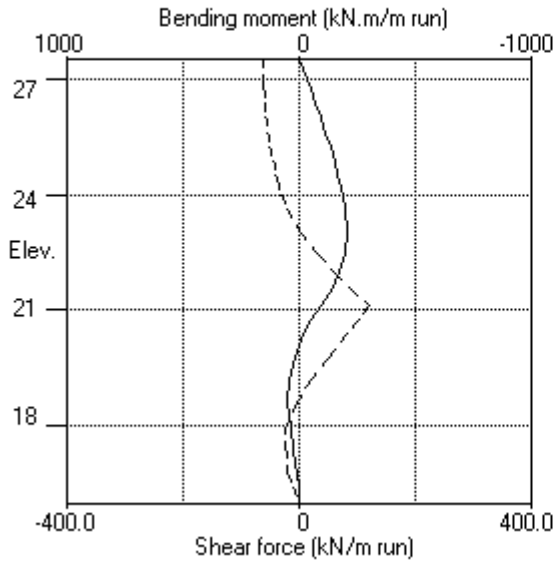
Stage No.7 Fill to elevation 21.61 on RIGHT side with soil type 5

Node no.	Y coord	----- RIGHT side -----					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
13	23.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	9780
17	21.11	0.00	10.00	2.59	53.85	2.59	2.59a	9780
		Total>	10.00	2.50m	127.85	124.49	124.49	11886
18	20.76	Total>	17.46	4.27m	139.25	135.56	135.56	12284
19	20.40	Total>	24.92	6.05m	150.65	146.64	146.64	12681
20	19.80	Total>	37.54	9.05m	169.93	165.44	165.44	13353
21	19.20	Total>	50.19	12.05m	189.24	181.56	181.56	14024
22	18.60	Total>	62.86	15.05m	208.57	180.79	180.79	14696
23	18.00	Total>	75.56	18.05m	227.93	181.26	181.26	15367
24	17.40	Total>	88.30	21.05m	247.33	182.70	182.70	16039
25	16.80	Total>	101.08	24.05m	266.77	184.44	184.44	16710
26	16.40	Total>	109.63	26.05m	279.76	185.36	185.36	17158
27	16.00	Total>	118.20	28.05m	292.77	185.57	185.57	17605

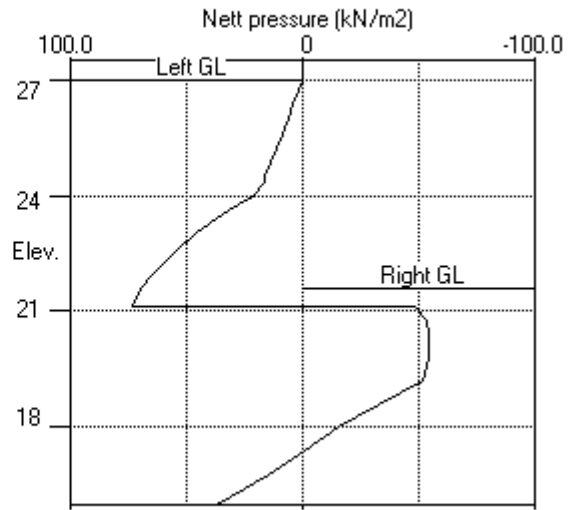
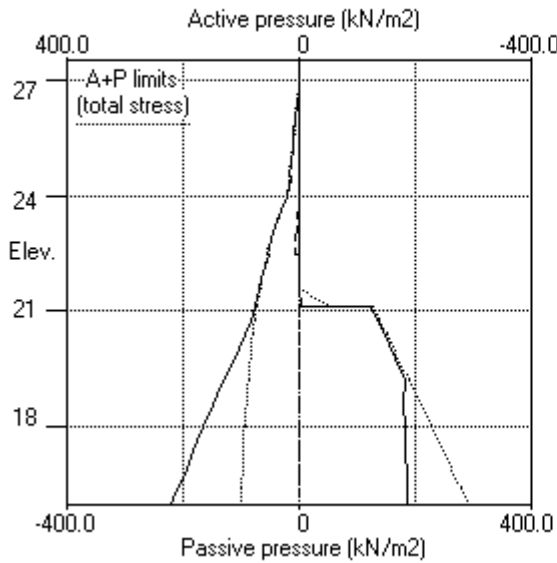
Note: 2.59a Soil pressure at active limit
 123.45p Soil pressure at passive limit

Units: kN,m

Stage No.7 Fill to elev. 21.61 on RIGHT side



Stage No.7 Fill to elev. 21.61 on RIGHT side



Units: kN,m

Stage No. 11 Change properties of soil type 3 to soil type 4
 Ko pressures will be reset

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method
 Factor of safety on soil strength

		Overall							
		FoS for toe	Toe elev. for						
		elev. = 16.00	FoS = 1.000						
		-----		-----					
Stage No.	--- G.L. Act. Pass.	Strut Elev.	Factor of Safety	Moment of equil. at elev.	Toe elev.	Wall Penetr-ation	Direction of failure		
11	27.00 21.61		More than one strut.		No	FoS calc.			

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 2

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.000	-1.10E-03	0.0	-0.0		166253
2	27.00	0.00	0.001	-1.10E-03	0.0	0.0		166253
3	26.70	17.00	0.001	-1.10E-03	2.6	0.0	-0.0	166253
4	26.35	20.29	0.001	-1.10E-03	9.1	2.0		166253
5	26.00	23.85	0.002	-1.11E-03	16.8	6.5		166253
6	25.60	27.75	0.002	-1.14E-03	27.1	15.4		166253
7	25.20	31.26	0.003	-1.19E-03	38.9	28.5		166253
8	24.85	33.92	0.003	-1.27E-03	50.3	44.1		166253
9	24.50	36.13	0.004	-1.40E-03	62.6	64.0		166253
		57.58	0.004	-1.40E-03	62.6	64.0		
10	24.36	58.04	0.004	-1.46E-03	70.7	73.3		166253
11	23.99	61.66	0.004	-1.67E-03	92.8	103.4		166253
12	23.62	67.77	0.005	-1.98E-03	116.8	142.2		166253
13	23.06	72.45	0.006	-2.66E-03	156.0	219.0		166253
14	22.50	67.96	0.008	-3.68E-03	195.4	318.3		166253
		108.92	0.008	-3.68E-03	195.4	318.3		
15	21.98	101.23	0.010	-4.98E-03	249.5	434.1	496.9	166253
		101.23	0.010	-4.98E-03	-247.4	434.1		
16	21.61	97.20	0.012	-5.98E-03	-210.2	348.2		166253
17	21.11	51.31	0.016	-7.04E-03	-173.1	253.5		166253
		75.28	0.016	-7.04E-03	-173.1	253.5		
18	20.76	70.19	0.018	-7.63E-03	-147.3	198.4		166253
19	20.40	64.84	0.021	-8.10E-03	-123.3	150.4		166253
20	19.80	55.33	0.026	-8.69E-03	-87.3	87.2		166253
21	19.20	45.42	0.031	-9.05E-03	-57.0	49.1		166253
22	18.60	35.25	0.037	-9.27E-03	-32.8	21.1		166253
23	18.00	24.90	0.043	-9.37E-03	-14.8	6.0		166253
24	17.40	14.44	0.048	-9.42E-03	-3.0	-0.1		166253

(continued)

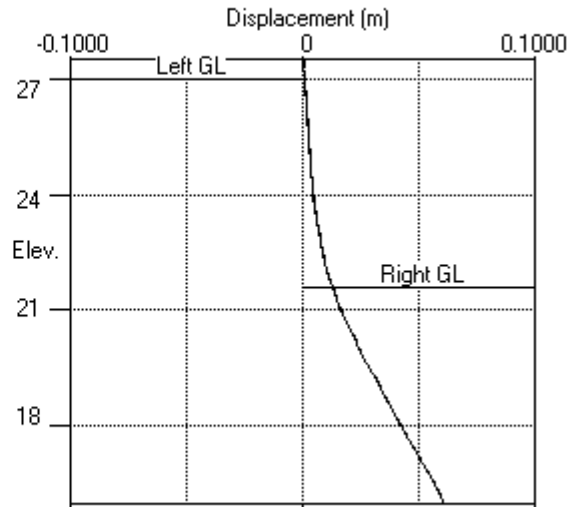
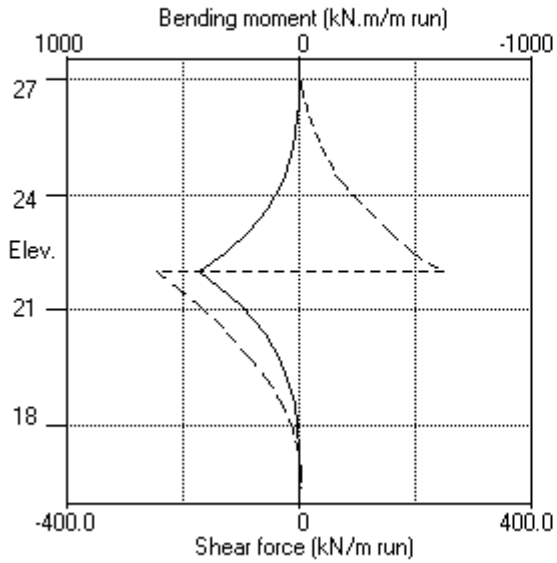
Stage No.11 Change properties of soil type 3 to soil type 4
 Ko pressures will be reset

Node no.	Y coord	----- RIGHT side -----					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertical kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
9	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10	24.36	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11	23.99	0.00	0.00	0.00	0.00	0.00	0.00	0.0
12	23.62	0.00	0.00	0.00	0.00	0.00	0.00	0.0
13	23.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
17	21.11	0.00	10.00	2.59	53.85	53.85	53.85p	13674
		0.00	10.00	0.00	29.88	29.88	29.88p	8487
18	20.76	4.25	13.21	1.17	35.94	35.94	40.19p	8768
19	20.40	8.50	16.42	2.87	42.00	42.00	50.50p	9050
20	19.80	15.68	21.86	5.75	52.27	52.27	67.95p	9525
21	19.20	22.87	27.32	8.65	62.58	62.58	85.45p	10001
22	18.60	30.05	32.81	11.55	72.95	72.95	102.99p	10477
23	18.00	37.23	38.33	14.48	83.37	83.37	120.60p	10953
24	17.40	44.42	43.89	17.42	93.87	93.87	138.28p	11429
25	16.80	51.60	49.49	20.38	104.44	104.44	156.04p	11905
26	16.40	56.39	53.25	22.38	111.54	111.54	167.93p	12222
27	16.00	61.18	57.03	24.38	118.68	118.68	179.85p	12539

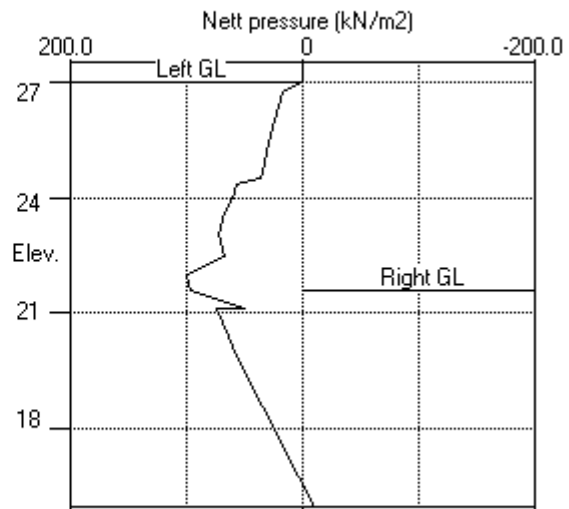
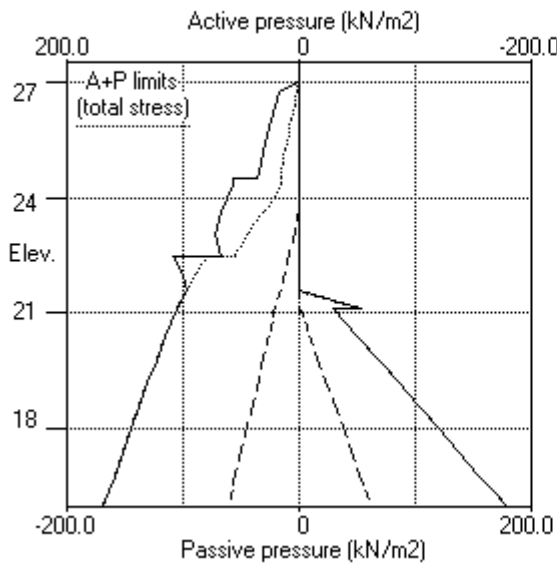
Note: 169.64a Soil pressure at active limit
 179.85p Soil pressure at passive limit

Units: kN,m

Stage No.11 Change soil type 3 to soil type 4



Stage No.11 Change soil type 3 to soil type 4



Units: kN,m

Stage No. 12 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

		Overall					
		FoS for toe		Toe elev. for			
		elev. = 16.00		FoS = 1.000			
		-----		-----			
Stage No.	--- G.L. --- Act. Pass.	Strut Elev.	Factor of Safety	Moment of equilib. at elev.	Toe elev.	Wall Penetr -ation	Direction of failure
12	27.00 21.61			More than one strut.	No	FoS calc.	

BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall

Analysis options

Length of wall perpendicular to section = 20.00m
 Subgrade reaction model - Boussinesq Influence coefficients
 Soil deformations are elastic until the active or passive limit is reached
 Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall
 Right side 20.00 from wall

Limit State: ULS DA1 Combination 2

*** Wall displacements reset to zero at stage 2

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
1	27.50	0.00	0.001	-7.25E-04	0.0	-0.0		118752
2	27.00	0.00	0.001	-7.25E-04	0.0	0.0		118752
3	26.70	12.74	0.001	-7.25E-04	1.9	0.0	-0.0	118752
4	26.35	17.18	0.002	-7.27E-04	7.1	1.7		118752
5	26.00	21.88	0.002	-7.38E-04	14.0	5.5		118752
6	25.60	27.09	0.002	-7.69E-04	23.8	13.4		118752
7	25.20	31.57	0.003	-8.35E-04	35.5	25.7		118752
8	24.85	34.79	0.003	-9.35E-04	47.1	40.7		118752
9	24.50	37.50	0.003	-1.08E-03	59.8	60.2		118752
		60.52	0.003	-1.08E-03	59.8	60.2		
10	24.36	61.39	0.003	-1.16E-03	68.3	69.5		118752
11	23.99	65.93	0.004	-1.44E-03	91.9	100.1		118752
12	23.62	72.69	0.005	-1.85E-03	117.5	140.2		118752
13	23.06	77.47	0.006	-2.77E-03	159.5	220.3		118752
14	22.50	71.44	0.008	-4.17E-03	201.2	324.5		118752
		112.06	0.008	-4.17E-03	201.2	324.5		
15	21.98	101.11	0.010	-5.99E-03	256.1	445.0	503.5	118752
		101.11	0.010	-5.99E-03	-247.4	445.0		
16	21.61	97.20	0.013	-7.38E-03	-210.2	359.7		118752
17	21.11	51.31	0.017	-8.87E-03	-173.1	265.1		118752
		75.28	0.017	-8.87E-03	-173.1	265.1		
18	20.76	70.19	0.020	-9.70E-03	-147.3	209.5		118752
19	20.40	64.84	0.024	-1.03E-02	-123.3	160.7		118752
20	19.80	55.33	0.030	-1.11E-02	-87.3	95.7		118752
21	19.20	45.42	0.037	-1.16E-02	-57.0	55.5		118752
22	18.60	35.25	0.044	-1.19E-02	-32.8	25.6		118752
23	18.00	24.90	0.051	-1.21E-02	-14.8	8.7		118752

(continued)

Stage No.12 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

Node no.	Y coord	Nett pressure kN/m2	Wall disp. m	Wall rotation rad.	Shear force kN/m	Bending moment kN.m/m	Strut forces kN/m	EI of wall kN.m2/m
24	17.40	14.44	0.059	-1.22E-02	-3.0	1.2		118752
25	16.80	3.91	0.066	-1.22E-02	2.5	-0.6		118752
26	16.40	-3.15	0.071	-1.22E-02	2.7	-0.2		118752
27	16.00	-10.22	0.076	-1.22E-02	0.0	-0.0		---

At elev. 26.70 The strut is slack
 At elev. 21.98 Strut force = 503.5 kN/strut = 503.5 kN/m run

Node no.	Y coord	LEFT side					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.0	
2	27.00	0.00	0.00	0.00	0.00	0.00	0.0	
3	26.70	0.00	5.70	1.96	20.41	12.74	8698	
4	26.35	0.00	12.35	4.24	44.22	17.18	8698	
5	26.00	0.00	19.00	6.52	68.03	21.88	8698	
6	25.60	0.00	26.60	9.13	95.24	27.09	8698	
7	25.20	0.00	34.20	11.74	122.46	31.57	4443	
8	24.85	0.00	40.85	14.02	146.27	34.79	4443	
9	24.50	0.00	47.50	16.30	170.08	37.50	4443	
10	24.36	0.00	50.16	15.94	200.69	61.39	9521	
11	23.99	0.00	67.80	21.55	271.25	65.93	9521	
12	23.62	0.00	98.36	31.26	393.53	72.69	9521	
13	23.06	4.50	127.74	40.60	511.09	72.97	9521	
14	22.50	8.99	145.33	46.19	581.46	62.44	9521	
15	21.98	13.13	157.26	77.46	307.95	103.06	8568	
16	21.61	16.14	164.07	81.06	285.42	112.06	8287	
17	21.11	20.15	171.52	85.01	320.81	101.11	8604	
18	20.76	23.00	175.99	87.38	334.87	81.06	97.20a	
19	20.40	25.85	179.97	89.48	343.32	85.01	105.16a	
20	19.80	30.67	185.88	92.61	350.84	87.38	110.38a	
21	19.20	35.48	191.11	95.38	362.00	89.48	115.34a	
22	18.60	40.30	195.93	97.94	371.87	92.61	123.28a	
23	18.00	45.12	200.55	100.38	371.87	95.38	130.87a	
24	17.40	49.94	205.08	102.78	380.98	97.94	138.24a	
25	16.80	54.75	209.63	105.19	389.69	100.38	145.50a	
26	16.40	57.96	212.69	106.81	398.26	102.78	152.72a	
27	16.00	61.18	215.80	108.46	406.84	105.19	159.94a	

Node no.	Y coord	RIGHT side					Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2		
1	27.50	0.00	0.00	0.00	0.00	0.00	0.0	
2	27.00	0.00	0.00	0.00	0.00	0.00	0.0	
3	26.70	0.00	0.00	0.00	0.00	0.00	0.0	
4	26.35	0.00	0.00	0.00	0.00	0.00	0.0	
5	26.00	0.00	0.00	0.00	0.00	0.00	0.0	
6	25.60	0.00	0.00	0.00	0.00	0.00	0.0	

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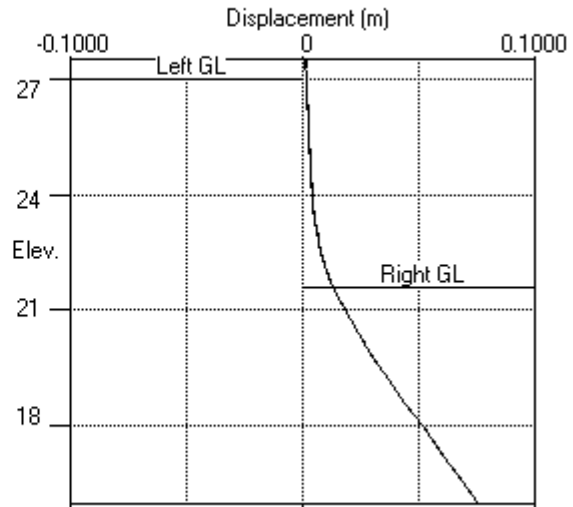
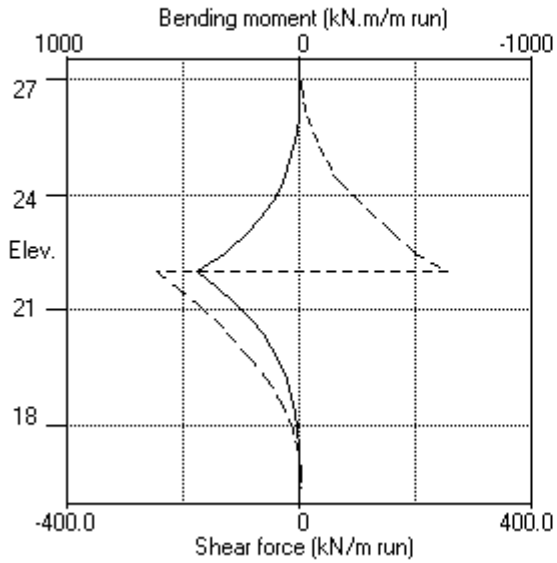
Stage No.12 Change EI of wall to 118752 kN.m2/m run
 Yield moment not defined
 Allow wall to relax with new modulus value

Node no.	Y coord	RIGHT side						
		Water press. kN/m2	Vertic -al kN/m2	Effective Active limit kN/m2	Effective Passive limit kN/m2	Earth pressure kN/m2	Total earth pressure kN/m2	Coeff. of subgrade reaction kN/m3
7	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.0
8	24.85	0.00	0.00	0.00	0.00	0.00	0.00	0.0
9	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
10	24.36	0.00	0.00	0.00	0.00	0.00	0.00	0.0
11	23.99	0.00	0.00	0.00	0.00	0.00	0.00	0.0
12	23.62	0.00	0.00	0.00	0.00	0.00	0.00	0.0
13	23.06	0.00	0.00	0.00	0.00	0.00	0.00	0.0
14	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.0
15	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.0
16	21.61	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		0.00	0.00	0.00	0.00	0.00	0.00	14542
17	21.11	0.00	10.00	2.59	53.85	53.85	53.85p	14542
		0.00	10.00	0.00	29.88	29.88	29.88p	9025
18	20.76	4.25	13.21	1.17	35.94	35.94	40.19p	9325
19	20.40	8.50	16.42	2.87	42.00	42.00	50.50p	9624
20	19.80	15.68	21.86	5.75	52.27	52.27	67.95p	10130
21	19.20	22.87	27.32	8.65	62.58	62.58	85.45p	10636
22	18.60	30.05	32.81	11.55	72.95	72.95	102.99p	11142
23	18.00	37.23	38.33	14.48	83.37	83.37	120.60p	11649
24	17.40	44.42	43.89	17.42	93.87	93.87	138.28p	12155
25	16.80	51.60	49.49	20.38	104.44	104.44	156.04p	12661
26	16.40	56.39	53.25	22.38	111.54	111.54	167.93p	12998
27	16.00	61.18	57.03	24.38	118.68	118.68	179.85p	13335

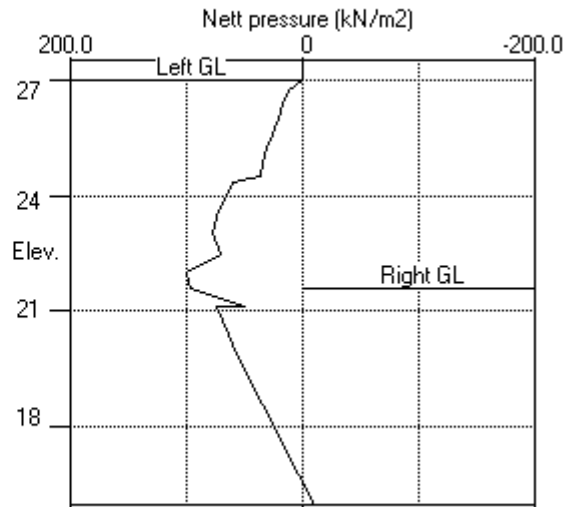
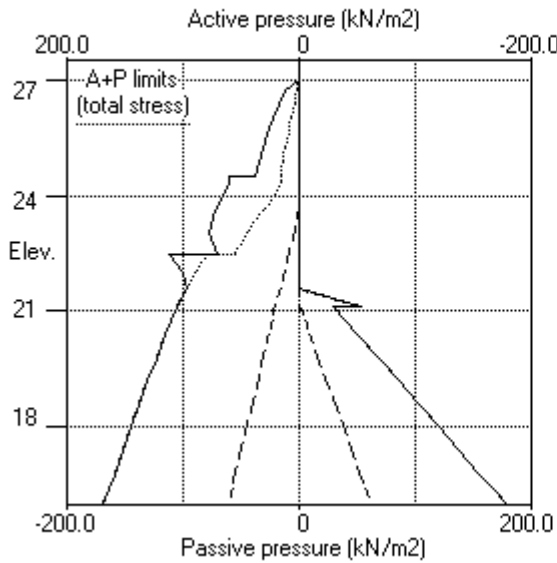
Note: 169.64a Soil pressure at active limit
 179.85p Soil pressure at passive limit

Units: kN,m

Stage No.12 Change EI of wall to 118752kN.m2/m run



Stage No.12 Change EI of wall to 118752kN.m2/m run



Units: kN,m

Summary of results

LIMIT STATE PARAMETERS

Limit State: ULS DA1 Combination 2

Water pressures : Worst Credible

Partial factor on C' = 1.250

Partial factor on Phi' = 1.250

Partial factor on Cu = 1.400

Partial factor on Soil Modulus = 1.000

Partial factor on Permanent Unfavourable loads = 1.000

Partial factor on Permanent Favourable loads = 1.000

Partial factor on Variable Unfavourable loads = 1.300

STABILITY ANALYSIS of Fully Embedded Wall according to Strength Factor method

Factor of safety on soil strength

Stage No.	G.L.		Strut Elev.	Overall		Toe elev. for		Direction of failure
	Act.	Pass.		Factor of Safety	Moment of equilb. at elev.	elev. = 16.00	FoS = 1.000	
1	27.00	27.00	Cant.	Conditions not suitable for FoS calc.				
2	27.00	27.00		No analysis at this stage				
3	27.00	26.00	Cant.	2.808	16.32	25.08	0.92	L to R
4	27.00	26.00		No analysis at this stage				
5	27.00	26.00	27.50	3.299	n/a	25.64	0.36	L to R
6	27.00	21.11	27.50	1.433	n/a	19.37	1.74	L to R
7	27.00	21.61	27.50	1.506	n/a	19.65	1.96	L to R
8	27.00	21.61		No analysis at this stage				

All remaining stages have more than one strut - FoS calculation n/a

Units: kN,m**Summary of results****BENDING MOMENT and DISPLACEMENT ANALYSIS of Fully Embedded Wall****Analysis options**

Length of wall perpendicular to section = 20.00m

Subgrade reaction model - Boussinesq Influence coefficients

Soil deformations are elastic until the active or passive limit is reached

Open Tension Crack analysis - No

Rigid boundaries: Left side 20.00 from wall

Right side 20.00 from wall

Limit State: ULS DA1 Combination 2**Bending moment, shear force and displacement envelopes**

Node no.	Y coord	Displacement		Bending moment		Shear force	
		maximum m	minimum m	maximum kN.m/m	minimum kN.m/m	maximum kN/m	minimum kN/m
1	27.50	0.004	0.000	0.0	-0.0	0.0	-61.4
2	27.00	0.005	0.000	0.0	-30.7	0.0	-61.4
3	26.70	0.006	0.000	0.0	-49.1	2.6	-73.9
4	26.35	0.006	0.000	2.0	-70.3	9.1	-72.8
5	26.00	0.007	0.000	6.5	-90.9	16.8	-70.9
6	25.60	0.008	0.000	15.4	-113.4	27.1	-67.5
7	25.20	0.009	0.000	28.5	-134.6	38.9	-63.0
8	24.85	0.009	0.000	44.1	-151.5	50.3	-58.1
9	24.50	0.010	0.000	64.0	-166.7	62.6	-52.4
10	24.36	0.010	0.000	73.3	-172.2	70.7	-49.8
11	23.99	0.010	0.000	103.4	-185.4	92.8	-41.8
12	23.62	0.010	0.000	142.2	-195.3	118.4	-30.9
13	23.06	0.010	0.000	220.3	-201.6	167.4	-22.9
14	22.50	0.010	0.000	324.5	-193.6	217.8	-24.5
15	21.98	0.010	0.000	450.2	-171.0	282.3	-247.4
16	21.61	0.013	0.000	369.8	-146.0	84.4	-210.2
17	21.11	0.017	0.000	281.7	-96.7	120.5	-173.1
18	20.76	0.020	0.000	229.7	-56.4	102.4	-147.3
19	20.40	0.024	0.000	182.9	-46.4	83.3	-123.3
20	19.80	0.030	0.000	118.1	-38.4	52.1	-89.3
21	19.20	0.037	0.000	75.3	-29.1	21.3	-63.1
22	18.60	0.044	0.000	49.6	-20.0	14.5	-40.9
23	18.00	0.051	0.000	40.2	-12.0	12.1	-23.1
24	17.40	0.059	0.000	25.2	-5.9	8.8	-24.8
25	16.80	0.066	0.000	10.1	-1.9	5.0	-20.5
26	16.40	0.071	0.000	3.0	-0.4	2.7	-12.5
27	16.00	0.076	0.000	0.0	-0.0	0.0	0.0

Summary of results (continued)

Maximum and minimum bending moment and shear force at each stage

Stage no.	Bending moment				Shear force			
	maximum kN.m/m	elev.	minimum kN.m/m	elev.	maximum kN/m	elev.	minimum kN/m	elev.
1	0.0	26.70	-51.8	21.11	15.6	19.20	-22.8	22.50
2	No calculation at this stage							
3	3.7	25.20	-47.4	21.11	14.5	19.20	-24.5	22.50
4	No calculation at this stage							
5	2.8	25.20	-47.5	21.11	14.5	19.20	-22.9	23.06
6	47.0	18.60	-200.1	23.06	117.1	21.11	-60.8	27.50
7	49.6	18.60	-201.6	23.06	120.5	21.11	-61.4	27.50
8	No calculation at this stage							
9	No calculation at this stage							
10	46.6	18.60	-194.0	23.06	116.8	21.11	-73.9	26.70
11	434.1	21.98	-1.0	16.80	249.5	21.98	-247.4	21.98
12	445.0	21.98	-0.6	16.80	256.1	21.98	-247.4	21.98
13	434.9	21.98	-0.0	16.00	252.5	21.98	-233.7	21.98
14	450.2	21.98	-0.0	16.00	282.3	21.98	-238.3	21.98

Maximum and minimum displacement at each stage

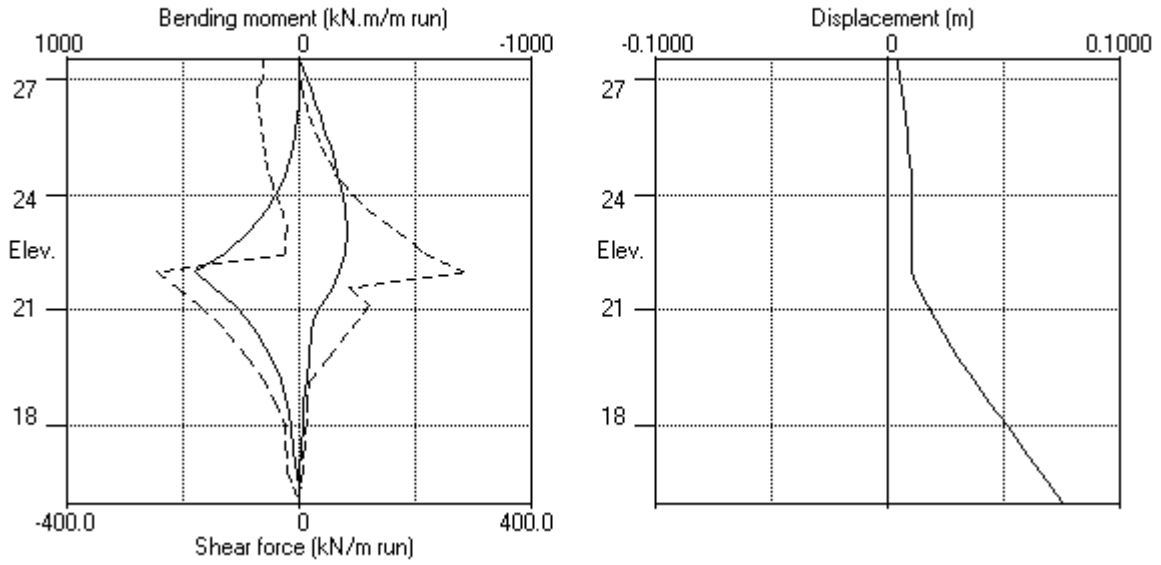
Stage no.	Displacement				Stage description
	maximum m	elev.	minimum m	elev.	
1	0.003	20.40	-0.000	27.50	Apply surcharge no.1 at elev. 24.36
2	Wall displacements reset to zero				Change EI of wall to 166253kN.m2/m run
3	0.002	27.50	0.000	27.50	Excav. to elev. 26.00 on RIGHT side
4	No calculation at this stage				Install strut no.3 at elev. 27.50
5	0.002	27.50	0.000	27.50	Apply water pressure profile no.2
6	0.010	23.62	0.000	27.50	Excav. to elev. 21.11 on RIGHT side
7	0.010	23.62	0.000	27.50	Fill to elev. 21.61 on RIGHT side
8	No calculation at this stage				Install strut no.1 at elev. 21.98
9	No calculation at this stage				Install strut no.2 at elev. 26.70
10	0.010	23.62	0.000	27.50	Remove strut no.3 at elev. 27.50
11	0.061	16.00	0.000	27.50	Change soil type 3 to soil type 4
12	0.076	16.00	0.000	27.50	Change EI of wall to 118752kN.m2/m run
13	0.075	16.00	0.000	27.50	Apply surcharge no.3 at elev. 21.61
14	0.075	16.00	0.000	27.50	Apply water pressure profile no.3

Strut forces at each stage (horizontal components)

Stage no.	Strut no. 1		Strut no. 2		Strut no. 3	
	at elev. 21.98 kN/m run	kN/strut	at elev. 26.70 kN/m run	kN/strut	at elev. 27.50 kN/m run	kN/strut
5	---	---	---	---	0.40	0.40
6	---	---	---	---	60.83	60.83
7	---	---	---	---	61.39	61.39
10	slack	slack	74.19	74.19	---	---
11	496.89	496.89	slack	slack	---	---
12	503.53	503.53	slack	slack	---	---
13	486.19	486.19	slack	slack	---	---
14	520.53	520.53	slack	slack	---	---

Units: kN,m

Bending moment, shear force, displacement envelopes



APPENDIX D

PDSIP Analysis Outputs

Analysis Options

Analysis: Boussinesq
 Global Poisson's ratio: 0.50
 Maximum allowable ratio between values of E: 1.5
 Horizontal rigid boundary level: -10.00 [m OD]
 Stiffness for horizontal displacement calculations: Weighted average
 Using legacy heave correction factor: No
 Displacements at load centroids: Yes

Soil Profiles Soil Profile 1

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus		Poissons ratio	Non-linear curve
			Top [kN/m ²]	Btm [kN/m ²]		
1	27.000	10	14000.	14000.	0.20000	None
2	24.500	8	30000.	30000.	0.20000	None
3	22.500	74	36000.	108000.	0.50000	None
4	4.0000	52	144000.	279800.	0.50000	None

Soil Zones

Zone	Name	X coordinates		Y coordinates		Profile
		min [m]	max [m]	min [m]	max [m]	
1	Boundary	0.00000	153.90850	0.00000	147.59380	Soil Profile 1

Load Data

Load ref. Number	Name	Load value	Shape	Orientation		Centre of load (Global)			Load position		Polygon Coordinates	[m]	[%]	
				Tangential	of (local z)	(local x)	(local y)	X	Y	Z				Angle of local x from
10.000	Enabling Works 1.1	18.600	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(80.2, 85.5)	(88.3, 85.6)		
											(87.5, 69.3)	(87.4, 69.3)		
											(87.3, 68.3)	(84.6, 68.3)		
											(84.6, 69)	(79.7, 69)		
											(80.2, 85.5)			

2 Enabling 10.000	9	Polygonal 18.600	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(50.8, 54) (50.8, 50)
Works 1.2									(72.2, 50.8) (72.3, 50.5) (74.4, 50.6) (74.6, 50.9) (74.9, 50.9) (74.9, 56.6) (69.4, 56.7) (69.4, 56.5) (69.3, 56.5) (69.3, 54.4) (69.4, 54.4) (69.4, 53.9) (69.3, 53.9) (69.3, 54) (50.9, 54) (50.9, 54) (50.8, 54)
3 Enabling 10.000	2	Polygonal 11.600	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(79.7, 56.6) (79.7, 51.1)
Works 2									(84.2, 51.2) (84.2, 56.4) (84, 56.4) (84, 56.6) (79.7, 56.6)
4 Enabling 10.000	1	Polygonal 0.60000	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(51, 83.7) (56.3, 83.7)
Works 3									(56.2, 62.7) (50.9, 62.7) (51, 83.7)
5 Enabling 10.000	5	Polygonal -11.400	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(51.2, 62.7) (56.2, 62.7)
Works 4									(56.2, 57.3) (68.6, 57.2) (69.4, 57.2) (69.4, 56.5) (69.3, 56.5) (69.3, 54.4) (69.4, 54.4) (69.4, 53.9) (69.3, 53.9) (69.3, 54) (50.9, 54) (50.9, 62.7) (51.2, 62.7)
6 Enabling 10.000	8	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(88.3, 85.6) (103, 85.7)
Works 5.1									(103, 84.7) (104, 84.7) (104, 84.3) (103, 84.3) (102, 62.8) (88.3, 62.7) (87.6, 64.7) (87.5, 67.9) (87.3, 68.3) (87.4, 69.3) (87.5, 69.3) (88.3, 85.6)
7 Enabling 10.000	4	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(79.7, 69) (79.8, 68.6)
Works 5.2									(79.8, 57.6) (79.8, 56.6) (74.8, 56.6) (74.7, 57.1) (74.6, 57.1) (74.7, 68.5) (74.8, 68.5) (74.8, 68.8) (74.8, 69) (75, 69) (79.7, 69)
8 Enabling 10.000	6	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(50.9, 86.8) (50.9, 92.6)
Works 5.3									(50, 92.6) (49.9, 97.4) (57, 97.3) (57.1, 93.3) (67.2, 93.5) (67.2, 91.8)

9	Enabling	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(66.2,86.8) (50.9,86.8)
10.000	17	-18.400	N/A	N/A						(79.7,69) (84.6,69)
	Works 6.1									(84.6,68.3) (87.3,68.3)
										(87.5,67.9) (87.6,64.7)
										(88.3,62.7) (102,62.8)
										(102,52.4) (102,52.4)
										(102,51.8) (102,51.8)
										(102,51.9) (84.2,51.2)
										(84.2,56.4) (84,56.4)
										(84,56.6) (79.8,56.6)
										(79.8,68.6) (79.7,69)
10	Enabling	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(51,83.7) (51,83.8)
10.000	9	-18.400	N/A	N/A						
	Works 6.2									(50.8,83.8) (50.8,84.3)
										(50.9,84.3) (50.9,86.8)
										(66.2,86.8) (66.1,68.3)
										(68.8,68.3) (68.8,69.1)
										(74.8,69) (74.8,68.5)
										(74.7,68.5) (74.6,57.1)
										(74.7,57.1) (74.8,56.6)
										(69.4,56.7) (69.4,56.5)
										(69.4,57.2) (56.2,57.3)
										(56.3,83.7) (51,83.7)

Polygonal Loads' Rectangles

No.	Centre of load		Angle of	Width x	Depth y
	X	Y	local x		
	from				
	global X				
	[m]	[m]	[Degrees]	[m]	[m]
Load 1 : Enabling Works 1.1					
(Edge 1 optimal)					
1	85.96575	68.62430	-90.000	0.72060	2.7389
2	86.25496	85.51930	-90.000	0.080600	4.0650
3	83.90496	77.39135	-90.000	16.175	7.9464
4	83.53306	69.15790	-90.000	0.29160	7.6579
Load 2 : Enabling Works 1.2					
(Edge 8 optimal)					
1	74.72227	53.76071	179.70	0.29834	5.7764
2	74.50608	53.69022	179.70	0.13328	5.9196
3	73.38191	53.60396	179.70	2.1141	6.1038
4	72.27104	53.65303	179.70	0.10809	6.0171
5	70.82165	53.69847	179.70	2.7911	5.9413
6	69.36205	55.45700	179.70	0.11140	2.0256
7	69.34631	52.28483	179.70	0.14490	3.2210
8	60.08459	52.17200	179.70	18.377	3.6701
9	50.86525	51.98391	179.70	0.059351	3.9657

Load 3 : Enabling Works 2

(Edge 6 optimal)

1	84.10209	53.82223	179.70	0.17084	5.1608
2	81.83703	53.88717	179.70	4.3426	5.4473

Load 4 : Enabling Works 3

(Edge 1 optimal)

1	53.57203	73.19282	89.768	20.955	5.2830
---	----------	----------	--------	--------	--------

Load 5 : Enabling Works 4

(Edge 5 optimal)

1	69.35496	53.93215	89.790	0.073173	0.14390
2	60.16382	54.24442	89.790	0.46665	18.523
3	60.10138	55.49083	89.790	2.0257	18.398
4	60.16260	56.85433	89.790	0.70086	18.521
5	53.53159	59.98233	89.790	5.4340	5.2588

Load 6 : Enabling Works 5.1

(Edge 1 optimal)

1	87.39194	68.73367	177.17	0.10142	1.1364
2	103.47440	84.49295	177.17	0.057148	0.35654
3	102.87954	73.74655	177.17	0.051448	21.875
4	102.83684	74.00626	177.17	0.059465	22.397
5	95.82251	74.19070	177.17	13.970	22.928
6	88.47096	74.61110	177.17	0.75634	21.938
7	88.02372	75.92575	177.17	0.26668	19.295
8	87.89848	76.77219	177.17	0.066950	17.597

Load 7 : Enabling Works 5.2

(Edge 2 optimal)

1	77.30828	62.82955	179.71	4.7194	12.389
2	74.86860	62.84227	179.71	0.16007	12.389
3	74.71247	62.84688	179.71	0.057203	11.400
4	79.73953	62.71925	179.71	0.14339	12.195

Load 8 : Enabling Works 5.3

(Edge 9 optimal)

1	67.01345	92.21826	-179.22	0.36715	2.5219
2	66.65756	91.38615	-179.22	0.36715	4.1763
3	66.30167	90.55403	-179.22	0.36715	5.8308
4	61.61512	90.10464	-179.22	9.0173	6.6023
5	53.97184	92.08378	-179.22	6.2083	10.579
6	50.39858	94.99581	-179.22	0.85857	4.8591

Load 9 : Enabling Works 6.1

(Edge 20 optimal)

1	79.73580	68.96266	-0.29546	0.071904	0.098465
2	79.80721	68.86498	-0.29546	0.071904	0.29301
3	81.94089	62.80476	-0.29546	4.2276	12.389
4	84.14830	62.69382	-0.29546	0.17106	12.586
5	84.40097	60.11840	-0.29546	0.29922	17.734
6	85.91269	59.78219	-0.29546	2.7202	16.952
7	87.36286	59.72483	-0.29546	0.18066	16.731
8	87.50962	58.82734	-0.29546	0.12210	14.925

```

9 87.89653 57.52027 -0.29546 0.66520 12.282
10 94.98145 57.19077 -0.29546 13.508 11.106
11 101.80604 52.08427 -0.29546 0.11115 0.54843
12 101.82779 58.02577 -0.29546 0.093376 9.5824
13 101.92566 58.89788 -0.29546 0.093376 7.8402
14 102.02354 59.77000 -0.29546 0.093376 6.0979
15 102.12141 60.64211 -0.29546 0.093376 4.3556
16 102.21929 61.51423 -0.29546 0.093376 2.6134
17 102.31716 62.38634 -0.29546 0.093376 0.87113

```

Load 10 : Enabling Works 6.2

(Edge 19 optimal)

```

1 61.15982 72.00771 -0.29653 9.8648 29.566
2 67.42842 62.74639 -0.29653 2.6850 11.122
3 69.11334 63.12129 -0.29653 0.68088 11.893
4 72.06678 62.85738 -0.29653 5.2215 12.389
5 74.69732 56.89668 -0.29653 0.10120 0.49514
6 74.74200 68.79252 -0.29653 0.055268 0.49027
7 50.85415 84.06772 -0.29653 0.069227 0.43996
8 50.93103 85.31834 -0.29653 0.071589 2.9447
9 53.61552 85.23107 -0.29653 5.2971 3.1193

```

Displacement Data

Show Ref.	Type	Name	Direction	Line/Line for extrusion			No. of intrvl's		No. of intrvl's			
			of	First point	Second point	across	Extrusion	along				
Calculate	Detailed		Extrusion	X	Y	Z(level)	X	Y	Z(level)	extrusion/line	Depth	extrusion
results												
				[m]	[m]	[m]	[m]	[m]	[m]		[m]	
1	Line	Tottenham	N/A	102.36610	62.82240	27.00000	127.36600	62.82200	27.00000	25	N/A	N/A
Yes	Yes	Court Road										
2	Line	Howland	N/A	73.35500	51.30090	27.00000	73.35500	36.30100	27.00000	15	N/A	N/A
Yes	Yes	Street										
3	Line	Whitfield	N/A	50.82040	76.36570	27.00000	40.82040	76.36570	27.00000	10	N/A	N/A
Yes	Yes	Street										
4	Line	Qube	N/A	94.43210	85.75880	24.36000	94.43200	137.75900	24.36000	52	N/A	N/A
Yes	Yes											
5	Grid	Raft	Global X	0.00000	0.00000	21.61000	N/A	147.59400	21.61000	60	153.90900	60
Yes	Yes	Formation										

Warnings

(1)The displacement location of Grid 5 at (153.909, 0.000, 21.610)m lies wide of all soil zones. The first soil profile will be used. There are more displacement locations for which this warning applies. Only one is detailed here.

RESULTS FOR GRIDS

Analysis: Boussinesq
 Global Poisson's ratio: 0.50
 Horizontal rigid boundary level: -10.00 [m OD]

The maximum displacement difference between the Boussinesq method (-15.774mm) and the Mindlin method (-17.033mm) occurs at point X = 95.37095m, Y = 74.24229m, level = 27.000mOD, and is 1.2584mm.

Name	Location		Displacement		Stresses			
	X [m]	Y [m]	Z [Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m ²]	Sum Princ [kN/m ²]	Vert Strain [-]
Enabling Works 1.1	83.93674	77.19338	24.92000	1.6124	24.815	17.278	37.807	940.90E-6
Enabling Works 1.2	63.82263	52.65957	24.92000	1.9783	24.815	18.580	51.543	856.27E-6
Enabling Works 2	81.91347	53.88372	24.92000	0.25326	24.815	11.022	25.567	579.45E-6
Enabling Works 3	53.57175	73.19850	24.92000	-0.38437	24.815	0.57984	-0.39031	55.277E-6
Enabling Works 4	57.97182	57.03782	24.92000	-1.9674	24.815	-11.452	-36.493	-460.25E-6
Enabling Works 5.1	95.37095	74.24229	27.00000	-15.774	26.886	-52.000	-154.24	-0.0022537
Enabling Works 5.2	77.25530	62.82244	27.00000	-12.592	26.886	-51.998	-151.34	-0.0022950
Enabling Works 5.3	57.68470	91.26023	27.00000	-13.495	26.886	-51.998	-152.37	-0.0022802
Enabling Works 6.1	90.34978	58.88939	24.92000	-4.6275	24.815	-19.395	-67.326	-700.63E-6
Enabling Works 6.2	63.18110	70.26044	24.92000	-3.4038	24.815	-18.429	-56.557	-771.64E-6
Tottenham Court Road	102.36610	62.82240	27.00000	-6.0275	26.886	-15.741	-53.438	-585.79E-6
	103.36610	62.82238	27.00000	-2.8899	26.886	-0.010744	-3.1470	44.036E-6
	104.36609	62.82237	27.00000	-1.8295	26.886	-0.0012564	-1.3864	19.698E-6
	105.36609	62.82235	27.00000	-1.2384	26.886	-356.55E-6	-0.84202	11.998E-6
	106.36608	62.82234	27.00000	-0.85403	26.886	-146.00E-6	-0.58267	8.3113E-6
	107.36608	62.82232	27.00000	-0.58411	26.886	-72.982E-6	-0.43288	6.1778E-6
	108.36608	62.82230	27.00000	-0.38639	26.886	-41.336E-6	-0.33636	4.8016E-6
	109.36607	62.82229	27.00000	-0.23776	26.886	-25.496E-6	-0.26959	3.8492E-6
	110.36607	62.82227	27.00000	-0.12421	26.886	-16.727E-6	-0.22108	3.1568E-6
	111.36606	62.82226	27.00000	-0.036566	26.886	-11.498E-6	-0.18451	2.6349E-6

	112.36606	62.82224	27.00000	0.031463	26.886	-8.1965E-6	-0.15617	2.2302E-6
	113.36606	62.82222	27.00000	0.084358	26.886	-6.0164E-6	-0.13371	1.9096E-6
	114.36605	62.82221	27.00000	0.12541	26.886	-4.5232E-6	-0.11559	1.6509E-6
	115.36605	62.82219	27.00000	0.15710	26.886	-3.4693E-6	-0.10075	1.4390E-6
	116.36604	62.82218	27.00000	0.18131	26.886	-2.7064E-6	-0.088446	1.2633E-6
	117.36604	62.82216	27.00000	0.19953	26.886	-2.1422E-6	-0.078135	1.1160E-6
	118.36604	62.82214	27.00000	0.21292	26.886	-1.7173E-6	-0.069412	0.0
	119.36603	62.82213	27.00000	0.22239	26.886	-1.3920E-6	-0.061972	0.0
	120.36603	62.82211	27.00000	0.22870	26.886	-1.1396E-6	-0.055581	0.0
	121.36602	62.82210	27.00000	0.23245	26.886	0.0	-0.050056	0.0
	122.36602	62.82208	27.00000	0.23413	26.886	0.0	-0.045251	0.0
	123.36602	62.82206	27.00000	0.23413	26.886	0.0	-0.041050	0.0
	124.36601	62.82205	27.00000	0.23278	26.886	0.0	-0.037360	0.0
	125.36601	62.82203	27.00000	0.23036	26.886	0.0	-0.034104	0.0
	126.36600	62.82202	27.00000	0.22709	26.886	0.0	-0.031220	0.0
	127.36600	62.82200	27.00000	0.22315	26.886	0.0	-0.028655	0.0
Howland Street	73.35500	51.30090	27.00000	1.8803	26.886	-29.452E-6	-0.20053	2.8622E-6
	73.35500	50.30091	27.00000	0.90771	26.886	-17.274E-6	-0.15717	2.2439E-6
	73.35500	49.30091	27.00000	0.54617	26.886	-10.761E-6	-0.12674	1.8097E-6
	73.35500	48.30092	27.00000	0.42199	26.886	-7.0411E-6	-0.10459	1.4935E-6
	73.35500	47.30093	27.00000	0.36581	26.886	-4.7995E-6	-0.087958	1.2561E-6
	73.35500	46.30093	27.00000	0.33682	26.886	-3.3869E-6	-0.075137	1.0731E-6
	73.35500	45.30094	27.00000	0.32007	26.886	-2.4620E-6	-0.065027	0.0
	73.35500	44.30095	27.00000	0.30918	26.886	-1.8362E-6	-0.056900	0.0
	73.35500	43.30095	27.00000	0.30114	26.886	-1.4003E-6	-0.050253	0.0
	73.35500	42.30096	27.00000	0.29445	26.886	-1.0888E-6	-0.044737	0.0
	73.35500	41.30097	27.00000	0.28835	26.886	0.0	-0.040101	0.0
	73.35500	40.30097	27.00000	0.28242	26.886	0.0	-0.036160	0.0
	73.35500	39.30098	27.00000	0.27647	26.886	0.0	-0.032777	0.0
	73.35500	38.30099	27.00000	0.27040	26.886	0.0	-0.029847	0.0
	73.35500	37.30099	27.00000	0.26420	26.886	0.0	-0.027291	0.0
	73.35500	36.30100	27.00000	0.25786	26.886	0.0	-0.025044	0.0
Whitfield Street	50.82040	76.36570	27.00000	-0.14231	26.886	-5.6790E-6	-0.11000	1.5710E-6
	49.82040	76.36570	27.00000	-0.083721	26.886	-5.0391E-6	-0.10226	1.4604E-6
	48.82040	76.36570	27.00000	-0.028971	26.886	-4.4118E-6	-0.094529	1.3500E-6
	47.82040	76.36570	27.00000	0.017935	26.886	-3.8175E-6	-0.086961	1.2420E-6
	46.82040	76.36570	27.00000	0.057515	26.886	-3.2713E-6	-0.079688	1.1381E-6
	45.82040	76.36570	27.00000	0.090608	26.886	-2.7819E-6	-0.072807	1.0399E-6
	44.82040	76.36570	27.00000	0.11802	26.886	-2.3527E-6	-0.066380	0.0
	43.82040	76.36570	27.00000	0.14049	26.886	-1.9823E-6	-0.060443	0.0
	42.82040	76.36570	27.00000	0.15864	26.886	-1.6668E-6	-0.055003	0.0
	41.82040	76.36570	27.00000	0.17307	26.886	-1.4005E-6	-0.050052	0.0
	40.82040	76.36570	27.00000	0.18427	26.886	-1.1772E-6	-0.045567	0.0
Qube	94.43210	85.75880	24.36000	-4.5683	24.244	-25.168	-58.790	-614.79E-6
	94.43210	86.75880	24.36000	-3.3697	24.244	-14.251	-42.827	-284.51E-6
	94.43210	87.75881	24.36000	-2.3887	24.244	-7.2329	-30.272	-87.505E-6
	94.43209	88.75881	24.36000	-1.6672	24.244	-3.6717	-21.600	-2.8680E-6

94.43209	89.75882	24.36000	-1.1533	24.244	-1.9604	-15.816	27.026E-6
94.43209	90.75882	24.36000	-0.78635	24.244	-1.1123	-11.919	34.969E-6
94.43209	91.75882	24.36000	-0.52116	24.244	-0.66781	-9.2253	34.789E-6
94.43209	92.75883	24.36000	-0.32676	24.244	-0.42115	-7.3105	31.891E-6
94.43208	93.75883	24.36000	-0.18247	24.244	-0.27697	-5.9127	28.339E-6
94.43208	94.75883	24.36000	-0.074276	24.244	-0.18878	-4.8675	24.899E-6
94.43208	95.75884	24.36000	0.0074284	24.244	-0.13270	-4.0691	21.820E-6
94.43208	96.75884	24.36000	0.069393	24.244	-0.095793	-3.4475	19.152E-6
94.43208	97.75885	24.36000	0.11644	24.244	-0.070783	-2.9553	16.870E-6
94.43207	98.75885	24.36000	0.15208	24.244	-0.053388	-2.5596	14.928E-6
94.43207	99.75885	24.36000	0.17890	24.244	-0.041008	-2.2372	13.274E-6
94.43207	100.75886	24.36000	0.19885	24.244	-0.032015	-1.9712	11.861E-6
94.43207	101.75886	24.36000	0.21340	24.244	-0.025362	-1.7494	10.648E-6
94.43207	102.75887	24.36000	0.22370	24.244	-0.020358	-1.5626	9.6031E-6
94.43207	103.75887	24.36000	0.23063	24.244	-0.016537	-1.4038	8.6971E-6
94.43206	104.75887	24.36000	0.23488	24.244	-0.013579	-1.2676	7.9078E-6
94.43206	105.75888	24.36000	0.23699	24.244	-0.011260	-1.1500	7.2165E-6
94.43206	106.75888	24.36000	0.23740	24.244	-0.0094208	-1.0477	6.6081E-6
94.43206	107.75888	24.36000	0.23646	24.244	-0.0079470	-0.95818	6.0700E-6
94.43206	108.75889	24.36000	0.23444	24.244	-0.0067539	-0.87932	5.5920E-6
94.43205	109.75889	24.36000	0.23157	24.244	-0.0057794	-0.80949	5.1654E-6
94.43205	110.75890	24.36000	0.22804	24.244	-0.0049767	-0.74736	4.7833E-6
94.43205	111.75890	24.36000	0.22399	24.244	-0.0043101	-0.69181	4.4397E-6
94.43205	112.75890	24.36000	0.21954	24.244	-0.0037527	-0.64195	4.1295E-6
94.43205	113.75891	24.36000	0.21480	24.244	-0.0032833	-0.59700	3.8487E-6
94.43204	114.75891	24.36000	0.20985	24.244	-0.0028856	-0.55635	3.5936E-6
94.43204	115.75892	24.36000	0.20474	24.244	-0.0025466	-0.51946	3.3612E-6
94.43204	116.75892	24.36000	0.19955	24.244	-0.0022560	-0.48588	3.1489E-6
94.43204	117.75892	24.36000	0.19431	24.244	-0.0020058	-0.45522	2.9545E-6
94.43204	118.75893	24.36000	0.18905	24.244	-0.0017892	-0.42715	2.7761E-6
94.43203	119.75893	24.36000	0.18381	24.244	-0.0016009	-0.40139	2.6119E-6
94.43203	120.75893	24.36000	0.17862	24.244	-0.0014366	-0.37771	2.4606E-6
94.43203	121.75894	24.36000	0.17349	24.244	-0.0012926	-0.35587	2.3208E-6
94.43203	122.75894	24.36000	0.16843	24.244	-0.0011659	-0.33571	2.1914E-6
94.43203	123.75895	24.36000	0.16347	24.244	-0.0010541	-0.31705	2.0715E-6
94.43203	124.75895	24.36000	0.15861	24.244	-955.22E-6	-0.29975	1.9601E-6
94.43202	125.75895	24.36000	0.15385	24.244	-867.40E-6	-0.28369	1.8566E-6
94.43202	126.75896	24.36000	0.14921	24.244	-789.20E-6	-0.26876	1.7602E-6
94.43202	127.75896	24.36000	0.14468	24.244	-719.40E-6	-0.25486	1.6703E-6
94.43202	128.75897	24.36000	0.14028	24.244	-656.94E-6	-0.24189	1.5863E-6
94.43202	129.75897	24.36000	0.13599	24.244	-600.92E-6	-0.22978	1.5078E-6
94.43201	130.75897	24.36000	0.13183	24.244	-550.56E-6	-0.21846	1.4344E-6
94.43201	131.75898	24.36000	0.12779	24.244	-505.20E-6	-0.20786	1.3656E-6
94.43201	132.75898	24.36000	0.12387	24.244	-464.26E-6	-0.19793	1.3010E-6
94.43201	133.75898	24.36000	0.12007	24.244	-427.23E-6	-0.18862	1.2404E-6
94.43201	134.75899	24.36000	0.11639	24.244	-393.69E-6	-0.17987	1.1834E-6
94.43200	135.75899	24.36000	0.11283	24.244	-363.25E-6	-0.17165	1.1298E-6
94.43200	136.75900	24.36000	0.10938	24.244	-335.59E-6	-0.16391	1.0793E-6

94.43200	137.75900	24.36000	0.10605	24.244	-310.40E-6	-0.15663	1.0318E-6
0.00000	0.00000	21.61000	0.029046	21.538	-136.54E-6	-0.065050	0.0
2.56515	0.00000	21.61000	0.030374	21.538	-148.28E-6	-0.068387	0.0
5.13030	0.00000	21.61000	0.031758	21.538	-161.05E-6	-0.071897	0.0
7.69545	0.00000	21.61000	0.033197	21.538	-174.92E-6	-0.075585	0.0
10.26060	0.00000	21.61000	0.034693	21.538	-189.98E-6	-0.079456	0.0
12.82575	0.00000	21.61000	0.036244	21.538	-206.32E-6	-0.083514	1.0428E-6
15.39090	0.00000	21.61000	0.037850	21.538	-224.02E-6	-0.087762	1.0956E-6
17.95605	0.00000	21.61000	0.039508	21.538	-243.18E-6	-0.092201	1.1507E-6
20.52120	0.00000	21.61000	0.041219	21.538	-263.87E-6	-0.096833	1.2082E-6
23.08635	0.00000	21.61000	0.042977	21.538	-286.18E-6	-0.10166	1.2681E-6
25.65150	0.00000	21.61000	0.044782	21.538	-310.21E-6	-0.10667	1.3302E-6
28.21665	0.00000	21.61000	0.046627	21.538	-336.03E-6	-0.11186	1.3946E-6
30.78180	0.00000	21.61000	0.048509	21.538	-363.70E-6	-0.11723	1.4611E-6
33.34695	0.00000	21.61000	0.050422	21.538	-393.28E-6	-0.12277	1.5297E-6
35.91210	0.00000	21.61000	0.052359	21.538	-424.81E-6	-0.12847	1.6001E-6
38.47725	0.00000	21.61000	0.054312	21.538	-458.31E-6	-0.13430	1.6722E-6
41.04240	0.00000	21.61000	0.056273	21.538	-493.77E-6	-0.14025	1.7457E-6
43.60755	0.00000	21.61000	0.058232	21.538	-531.14E-6	-0.14629	1.8203E-6
46.17270	0.00000	21.61000	0.060179	21.538	-570.33E-6	-0.15241	1.8958E-6
48.73785	0.00000	21.61000	0.062103	21.538	-611.21E-6	-0.15856	1.9716E-6
51.30300	0.00000	21.61000	0.063991	21.538	-653.56E-6	-0.16471	2.0474E-6
53.86815	0.00000	21.61000	0.065829	21.538	-697.11E-6	-0.17082	2.1227E-6
56.43330	0.00000	21.61000	0.067605	21.538	-741.50E-6	-0.17685	2.1968E-6
58.99845	0.00000	21.61000	0.069304	21.538	-786.30E-6	-0.18273	2.2691E-6
61.56360	0.00000	21.61000	0.070911	21.538	-830.99E-6	-0.18842	2.3390E-6
64.12875	0.00000	21.61000	0.072410	21.538	-874.97E-6	-0.19386	2.4058E-6
66.69390	0.00000	21.61000	0.073789	21.538	-917.58E-6	-0.19898	2.4685E-6
69.25905	0.00000	21.61000	0.075031	21.538	-958.09E-6	-0.20371	2.5265E-6
71.82420	0.00000	21.61000	0.076123	21.538	-995.76E-6	-0.20799	2.5789E-6
74.38935	0.00000	21.61000	0.077051	21.538	-0.0010298	-0.21175	2.6249E-6
76.95450	0.00000	21.61000	0.077805	21.538	-0.0010595	-0.21493	2.6638E-6
79.51965	0.00000	21.61000	0.078373	21.538	-0.0010843	-0.21747	2.6949E-6
82.08480	0.00000	21.61000	0.078747	21.538	-0.0011033	-0.21932	2.7175E-6
84.64995	0.00000	21.61000	0.078921	21.538	-0.0011163	-0.22045	2.7311E-6
87.21510	0.00000	21.61000	0.078890	21.538	-0.0011228	-0.22081	2.7355E-6
89.78025	0.00000	21.61000	0.078653	21.538	-0.0011227	-0.22040	2.7303E-6
92.34540	0.00000	21.61000	0.078211	21.538	-0.0011159	-0.21922	2.7157E-6
94.91055	0.00000	21.61000	0.077568	21.538	-0.0011025	-0.21726	2.6916E-6
97.47570	0.00000	21.61000	0.076729	21.538	-0.0010828	-0.21457	2.6584E-6
100.04085	0.00000	21.61000	0.075703	21.538	-0.0010573	-0.21117	2.6166E-6
102.60600	0.00000	21.61000	0.074501	21.538	-0.0010265	-0.20712	2.5669E-6
105.17115	0.00000	21.61000	0.073137	21.538	-991.07E-6	-0.20248	2.5098E-6
107.73630	0.00000	21.61000	0.071623	21.538	-951.77E-6	-0.19732	2.4464E-6
110.30145	0.00000	21.61000	0.069977	21.538	-909.36E-6	-0.19171	2.3774E-6
112.86660	0.00000	21.61000	0.068216	21.538	-864.63E-6	-0.18573	2.3038E-6
115.43175	0.00000	21.61000	0.066355	21.538	-818.34E-6	-0.17945	2.2266E-6
117.99690	0.00000	21.61000	0.064414	21.538	-771.23E-6	-0.17295	2.1466E-6

120.56205	0.00000	21.61000	0.062409	21.538	-723.94E-6	-0.16630	2.0648E-6
123.12720	0.00000	21.61000	0.060356	21.538	-677.08E-6	-0.15958	1.9819E-6
125.69235	0.00000	21.61000	0.058273	21.538	-631.14E-6	-0.15283	1.8988E-6
128.25750	0.00000	21.61000	0.056174	21.538	-586.55E-6	-0.14612	1.8160E-6
130.82265	0.00000	21.61000	0.054072	21.538	-543.63E-6	-0.13948	1.7342E-6
133.38780	0.00000	21.61000	0.051981	21.538	-502.63E-6	-0.13297	1.6538E-6
135.95295	0.00000	21.61000	0.049911	21.538	-463.74E-6	-0.12661	1.5753E-6
138.51810	0.00000	21.61000	0.047872	21.538	-427.08E-6	-0.12044	1.4990E-6
141.08325	0.00000	21.61000	0.045872	21.538	-392.68E-6	-0.11447	1.4252E-6
143.64840	0.00000	21.61000	0.043918	21.538	-360.57E-6	-0.10871	1.3540E-6
146.21355	0.00000	21.61000	0.042016	21.538	-330.71E-6	-0.10318	1.2856E-6
148.77870	0.00000	21.61000	0.040171	21.538	-303.05E-6	-0.097889	1.2200E-6
151.34385	0.00000	21.61000	0.038386	21.538	-277.51E-6	-0.092834	1.1574E-6
153.90900	0.00000	21.61000	0.036663	21.538	-253.98E-6	-0.088018	1.0977E-6 !
0.00000	2.45990	21.61000	0.030283	21.538	-147.68E-6	-0.068173	0.0
2.56515	2.45990	21.61000	0.031706	21.538	-160.78E-6	-0.071781	0.0
5.13030	2.45990	21.61000	0.033192	21.538	-175.07E-6	-0.075585	0.0
7.69545	2.45990	21.61000	0.034740	21.538	-190.65E-6	-0.079593	0.0
10.26060	2.45990	21.61000	0.036352	21.538	-207.62E-6	-0.083810	1.0465E-6
12.82575	2.45990	21.61000	0.038027	21.538	-226.10E-6	-0.088243	1.1016E-6
15.39090	2.45990	21.61000	0.039764	21.538	-246.20E-6	-0.092896	1.1594E-6
17.95605	2.45990	21.61000	0.041562	21.538	-268.02E-6	-0.097772	1.2199E-6
20.52120	2.45990	21.61000	0.043420	21.538	-291.70E-6	-0.10287	1.2832E-6
23.08635	2.45990	21.61000	0.045335	21.538	-317.33E-6	-0.10820	1.3492E-6
25.65150	2.45990	21.61000	0.047303	21.538	-345.05E-6	-0.11375	1.4180E-6
28.21665	2.45990	21.61000	0.049320	21.538	-374.95E-6	-0.11953	1.4895E-6
30.78180	2.45990	21.61000	0.051381	21.538	-407.14E-6	-0.12551	1.5636E-6
33.34695	2.45990	21.61000	0.053480	21.538	-441.71E-6	-0.13171	1.6402E-6
35.91210	2.45990	21.61000	0.055610	21.538	-478.74E-6	-0.13809	1.7191E-6
38.47725	2.45990	21.61000	0.057762	21.538	-518.28E-6	-0.14465	1.8002E-6
41.04240	2.45990	21.61000	0.059927	21.538	-560.35E-6	-0.15137	1.8831E-6
43.60755	2.45990	21.61000	0.062095	21.538	-604.92E-6	-0.15822	1.9676E-6
46.17270	2.45990	21.61000	0.064253	21.538	-651.94E-6	-0.16517	2.0533E-6
48.73785	2.45990	21.61000	0.066389	21.538	-701.26E-6	-0.17219	2.1398E-6
51.30300	2.45990	21.61000	0.068489	21.538	-752.66E-6	-0.17924	2.2265E-6
53.86815	2.45990	21.61000	0.070539	21.538	-805.84E-6	-0.18628	2.3130E-6
56.43330	2.45990	21.61000	0.072522	21.538	-860.39E-6	-0.19324	2.3985E-6
58.99845	2.45990	21.61000	0.074422	21.538	-915.77E-6	-0.20006	2.4823E-6
61.56360	2.45990	21.61000	0.076222	21.538	-971.34E-6	-0.20669	2.5636E-6
64.12875	2.45990	21.61000	0.077905	21.538	-0.0010263	-0.21305	2.6415E-6
66.69390	2.45990	21.61000	0.079454	21.538	-0.0010799	-0.21907	2.7151E-6
69.25905	2.45990	21.61000	0.080853	21.538	-0.0011311	-0.22465	2.7835E-6
71.82420	2.45990	21.61000	0.082084	21.538	-0.0011790	-0.22973	2.8455E-6
74.38935	2.45990	21.61000	0.083133	21.538	-0.0012224	-0.23421	2.9003E-6
76.95450	2.45990	21.61000	0.083986	21.538	-0.0012605	-0.23802	2.9468E-6
79.51965	2.45990	21.61000	0.084631	21.538	-0.0012923	-0.24109	2.9841E-6
82.08480	2.45990	21.61000	0.085057	21.538	-0.0013169	-0.24334	3.0116E-6
84.64995	2.45990	21.61000	0.085258	21.538	-0.0013338	-0.24473	3.0284E-6

87.21510	2.45990	21.61000	0.085228	21.538	-0.0013424	-0.24522	3.0343E-6
89.78025	2.45990	21.61000	0.084965	21.538	-0.0013425	-0.24479	3.0289E-6
92.34540	2.45990	21.61000	0.084471	21.538	-0.0013340	-0.24343	3.0121E-6
94.91055	2.45990	21.61000	0.083749	21.538	-0.0013171	-0.24116	2.9841E-6
97.47570	2.45990	21.61000	0.082807	21.538	-0.0012921	-0.23800	2.9453E-6
100.04085	2.45990	21.61000	0.081655	21.538	-0.0012597	-0.23401	2.8963E-6
102.60600	2.45990	21.61000	0.080304	21.538	-0.0012206	-0.22924	2.8378E-6
105.17115	2.45990	21.61000	0.078771	21.538	-0.0011757	-0.22379	2.7709E-6
107.73630	2.45990	21.61000	0.077072	21.538	-0.0011260	-0.21772	2.6965E-6
110.30145	2.45990	21.61000	0.075225	21.538	-0.0010726	-0.21114	2.6157E-6
112.86660	2.45990	21.61000	0.073251	21.538	-0.0010165	-0.20414	2.5298E-6
115.43175	2.45990	21.61000	0.071169	21.538	-958.69E-6	-0.19682	2.4398E-6
117.99690	2.45990	21.61000	0.068999	21.538	-900.11E-6	-0.18926	2.3470E-6
120.56205	2.45990	21.61000	0.066762	21.538	-841.62E-6	-0.18156	2.2523E-6
123.12720	2.45990	21.61000	0.064476	21.538	-783.95E-6	-0.17379	2.1567E-6
125.69235	2.45990	21.61000	0.062161	21.538	-727.74E-6	-0.16603	2.0612E-6
128.25750	2.45990	21.61000	0.059832	21.538	-673.47E-6	-0.15834	1.9665E-6
130.82265	2.45990	21.61000	0.057506	21.538	-621.55E-6	-0.15077	1.8732E-6
133.38780	2.45990	21.61000	0.055196	21.538	-572.25E-6	-0.14337	1.7820E-6
135.95295	2.45990	21.61000	0.052915	21.538	-525.75E-6	-0.13617	1.6932E-6
138.51810	2.45990	21.61000	0.050674	21.538	-482.16E-6	-0.12921	1.6073E-6
141.08325	2.45990	21.61000	0.048481	21.538	-441.51E-6	-0.12251	1.5245E-6
143.64840	2.45990	21.61000	0.046343	21.538	-403.77E-6	-0.11607	1.4449E-6
146.21355	2.45990	21.61000	0.044268	21.538	-368.88E-6	-0.10991	1.3688E-6
148.77870	2.45990	21.61000	0.042259	21.538	-336.73E-6	-0.10404	1.2961E-6
151.34385	2.45990	21.61000	0.040320	21.538	-307.19E-6	-0.098451	1.2269E-6
153.90900	2.45990	21.61000	0.038454	21.538	-280.12E-6	-0.093146	1.1612E-6 !
0.00000	4.91980	21.61000	0.031568	21.538	-159.76E-6	-0.071449	0.0
2.56515	4.91980	21.61000	0.033093	21.538	-174.38E-6	-0.075351	0.0
5.13030	4.91980	21.61000	0.034688	21.538	-190.38E-6	-0.079476	0.0
7.69545	4.91980	21.61000	0.036353	21.538	-207.88E-6	-0.083832	1.0468E-6
10.26060	4.91980	21.61000	0.038089	21.538	-227.03E-6	-0.088428	1.1039E-6
12.82575	4.91980	21.61000	0.039898	21.538	-247.94E-6	-0.093273	1.1640E-6
15.39090	4.91980	21.61000	0.041777	21.538	-270.78E-6	-0.098372	1.2273E-6
17.95605	4.91980	21.61000	0.043727	21.538	-295.67E-6	-0.10373	1.2938E-6
20.52120	4.91980	21.61000	0.045745	21.538	-322.78E-6	-0.10936	1.3635E-6
23.08635	4.91980	21.61000	0.047829	21.538	-352.26E-6	-0.11525	1.4365E-6
25.65150	4.91980	21.61000	0.049976	21.538	-384.27E-6	-0.12140	1.5128E-6
28.21665	4.91980	21.61000	0.052181	21.538	-418.95E-6	-0.12782	1.5922E-6
30.78180	4.91980	21.61000	0.054439	21.538	-456.46E-6	-0.13451	1.6749E-6
33.34695	4.91980	21.61000	0.056743	21.538	-496.93E-6	-0.14144	1.7606E-6
35.91210	4.91980	21.61000	0.059086	21.538	-540.49E-6	-0.14861	1.8491E-6
38.47725	4.91980	21.61000	0.061459	21.538	-587.24E-6	-0.15600	1.9404E-6
41.04240	4.91980	21.61000	0.063850	21.538	-637.26E-6	-0.16360	2.0341E-6
43.60755	4.91980	21.61000	0.066249	21.538	-690.57E-6	-0.17138	2.1299E-6
46.17270	4.91980	21.61000	0.068642	21.538	-747.14E-6	-0.17930	2.2274E-6
48.73785	4.91980	21.61000	0.071016	21.538	-806.85E-6	-0.18734	2.3263E-6
51.30300	4.91980	21.61000	0.073353	21.538	-869.50E-6	-0.19543	2.4258E-6

53.86815	4.91980	21.61000	0.075639	21.538	-934.74E-6	-0.20355	2.5254E-6
56.43330	4.91980	21.61000	0.077854	21.538	-0.0010021	-0.21161	2.6243E-6
58.99845	4.91980	21.61000	0.079979	21.538	-0.0010710	-0.21956	2.7217E-6
61.56360	4.91980	21.61000	0.081997	21.538	-0.0011405	-0.22732	2.8167E-6
64.12875	4.91980	21.61000	0.083886	21.538	-0.0012098	-0.23480	2.9081E-6
66.69390	4.91980	21.61000	0.085627	21.538	-0.0012777	-0.24190	2.9949E-6
69.25905	4.91980	21.61000	0.087202	21.538	-0.0013429	-0.24853	3.0758E-6
71.82420	4.91980	21.61000	0.088590	21.538	-0.0014042	-0.25458	3.1497E-6
74.38935	4.91980	21.61000	0.089774	21.538	-0.0014601	-0.25996	3.2152E-6
76.95450	4.91980	21.61000	0.090739	21.538	-0.0015094	-0.26455	3.2711E-6
79.51965	4.91980	21.61000	0.091470	21.538	-0.0015506	-0.26827	3.3164E-6
82.08480	4.91980	21.61000	0.091955	21.538	-0.0015828	-0.27104	3.3500E-6
84.64995	4.91980	21.61000	0.092186	21.538	-0.0016050	-0.27278	3.3710E-6
87.21510	4.91980	21.61000	0.092156	21.538	-0.0016165	-0.27344	3.3789E-6
89.78025	4.91980	21.61000	0.091865	21.538	-0.0016170	-0.27299	3.3732E-6
92.34540	4.91980	21.61000	0.091311	21.538	-0.0016062	-0.27143	3.3540E-6
94.91055	4.91980	21.61000	0.090501	21.538	-0.0015846	-0.26876	3.3213E-6
97.47570	4.91980	21.61000	0.089442	21.538	-0.0015526	-0.26504	3.2757E-6
100.04085	4.91980	21.61000	0.088146	21.538	-0.0015110	-0.26032	3.2178E-6
102.60600	4.91980	21.61000	0.086627	21.538	-0.0014610	-0.25468	3.1488E-6
105.17115	4.91980	21.61000	0.084904	21.538	-0.0014036	-0.24823	3.0697E-6
107.73630	4.91980	21.61000	0.082995	21.538	-0.0013403	-0.24106	2.9820E-6
110.30145	4.91980	21.61000	0.080923	21.538	-0.0012725	-0.23330	2.8869E-6
112.86660	4.91980	21.61000	0.078709	21.538	-0.0012015	-0.22507	2.7860E-6
115.43175	4.91980	21.61000	0.076378	21.538	-0.0011287	-0.21648	2.6807E-6
117.99690	4.91980	21.61000	0.073952	21.538	-0.0010554	-0.20765	2.5724E-6
120.56205	4.91980	21.61000	0.071455	21.538	-982.59E-6	-0.19868	2.4623E-6
123.12720	4.91980	21.61000	0.068909	21.538	-911.22E-6	-0.18967	2.3517E-6
125.69235	4.91980	21.61000	0.066334	21.538	-842.06E-6	-0.18071	2.2416E-6
128.25750	4.91980	21.61000	0.063750	21.538	-775.72E-6	-0.17187	2.1329E-6
130.82265	4.91980	21.61000	0.061175	21.538	-712.64E-6	-0.16321	2.0263E-6
133.38780	4.91980	21.61000	0.058624	21.538	-653.12E-6	-0.15478	1.9225E-6
135.95295	4.91980	21.61000	0.056110	21.538	-597.34E-6	-0.14662	1.8220E-6
138.51810	4.91980	21.61000	0.053646	21.538	-545.37E-6	-0.13876	1.7250E-6
141.08325	4.91980	21.61000	0.051241	21.538	-497.21E-6	-0.13122	1.6320E-6
143.64840	4.91980	21.61000	0.048903	21.538	-452.76E-6	-0.12401	1.5430E-6
146.21355	4.91980	21.61000	0.046638	21.538	-411.91E-6	-0.11715	1.4582E-6
148.77870	4.91980	21.61000	0.044452	21.538	-374.48E-6	-0.11062	1.3775E-6
151.34385	4.91980	21.61000	0.042346	21.538	-340.29E-6	-0.10444	1.3011E-6
153.90900	4.91980	21.61000	0.040325	21.538	-309.13E-6	-0.098595	1.2287E-6 !
0.00000	7.37970	21.61000	0.032902	21.538	-172.86E-6	-0.074884	0.0
2.56515	7.37970	21.61000	0.034535	21.538	-189.17E-6	-0.079104	0.0
5.13030	7.37970	21.61000	0.036245	21.538	-207.09E-6	-0.083576	1.0436E-6
7.69545	7.37970	21.61000	0.038036	21.538	-226.78E-6	-0.088313	1.1024E-6
10.26060	7.37970	21.61000	0.039907	21.538	-248.38E-6	-0.093325	1.1647E-6
12.82575	7.37970	21.61000	0.041859	21.538	-272.07E-6	-0.098622	1.2304E-6
15.39090	7.37970	21.61000	0.043892	21.538	-298.03E-6	-0.10421	1.2998E-6
17.95605	7.37970	21.61000	0.046005	21.538	-326.46E-6	-0.11011	1.3729E-6

20.52120	7.37970	21.61000	0.048198	21.538	-357.53E-6	-0.11631	1.4497E-6
23.08635	7.37970	21.61000	0.050467	21.538	-391.47E-6	-0.12283	1.5305E-6
25.65150	7.37970	21.61000	0.052809	21.538	-428.47E-6	-0.12967	1.6150E-6
28.21665	7.37970	21.61000	0.055220	21.538	-468.75E-6	-0.13682	1.7035E-6
30.78180	7.37970	21.61000	0.057694	21.538	-512.50E-6	-0.14428	1.7957E-6
33.34695	7.37970	21.61000	0.060224	21.538	-559.95E-6	-0.15205	1.8917E-6
35.91210	7.37970	21.61000	0.062802	21.538	-611.28E-6	-0.16012	1.9912E-6
38.47725	7.37970	21.61000	0.065418	21.538	-666.66E-6	-0.16846	2.0941E-6
41.04240	7.37970	21.61000	0.068060	21.538	-726.25E-6	-0.17707	2.2002E-6
43.60755	7.37970	21.61000	0.070716	21.538	-790.15E-6	-0.18592	2.3090E-6
46.17270	7.37970	21.61000	0.073371	21.538	-858.39E-6	-0.19496	2.4203E-6
48.73785	7.37970	21.61000	0.076009	21.538	-930.93E-6	-0.20418	2.5334E-6
51.30300	7.37970	21.61000	0.078611	21.538	-0.0010076	-0.21351	2.6479E-6
53.86815	7.37970	21.61000	0.081160	21.538	-0.0010880	-0.22289	2.7630E-6
56.43330	7.37970	21.61000	0.083634	21.538	-0.0011717	-0.23227	2.8778E-6
58.99845	7.37970	21.61000	0.086013	21.538	-0.0012578	-0.24157	2.9915E-6
61.56360	7.37970	21.61000	0.088273	21.538	-0.0013455	-0.25068	3.1028E-6
64.12875	7.37970	21.61000	0.090393	21.538	-0.0014334	-0.25951	3.2105E-6
66.69390	7.37970	21.61000	0.092350	21.538	-0.0015201	-0.26794	3.3133E-6
69.25905	7.37970	21.61000	0.094120	21.538	-0.0016040	-0.27585	3.4097E-6
71.82420	7.37970	21.61000	0.095684	21.538	-0.0016832	-0.28312	3.4981E-6
74.38935	7.37970	21.61000	0.097019	21.538	-0.0017559	-0.28961	3.5770E-6
76.95450	7.37970	21.61000	0.098109	21.538	-0.0018202	-0.29519	3.6448E-6
79.51965	7.37970	21.61000	0.098935	21.538	-0.0018744	-0.29974	3.7001E-6
82.08480	7.37970	21.61000	0.099486	21.538	-0.0019169	-0.30316	3.7415E-6
84.64995	7.37970	21.61000	0.099749	21.538	-0.0019463	-0.30535	3.7679E-6
87.21510	7.37970	21.61000	0.099720	21.538	-0.0019618	-0.30624	3.7785E-6
89.78025	7.37970	21.61000	0.099394	21.538	-0.0019628	-0.30579	3.7728E-6
92.34540	7.37970	21.61000	0.098773	21.538	-0.0019492	-0.30399	3.7506E-6
94.91055	7.37970	21.61000	0.097863	21.538	-0.0019213	-0.30085	3.7123E-6
97.47570	7.37970	21.61000	0.096672	21.538	-0.0018799	-0.29644	3.6583E-6
100.04085	7.37970	21.61000	0.095215	21.538	-0.0018260	-0.29082	3.5896E-6
102.60600	7.37970	21.61000	0.093507	21.538	-0.0017612	-0.28410	3.5075E-6
105.17115	7.37970	21.61000	0.091570	21.538	-0.0016872	-0.27641	3.4136E-6
107.73630	7.37970	21.61000	0.089427	21.538	-0.0016058	-0.26788	3.3094E-6
110.30145	7.37970	21.61000	0.087101	21.538	-0.0015188	-0.25867	3.1968E-6
112.86660	7.37970	21.61000	0.084619	21.538	-0.0014284	-0.24893	3.0777E-6
115.43175	7.37970	21.61000	0.082009	21.538	-0.0013361	-0.23881	2.9538E-6
117.99690	7.37970	21.61000	0.079297	21.538	-0.0012436	-0.22844	2.8268E-6
120.56205	7.37970	21.61000	0.076509	21.538	-0.0011523	-0.21795	2.6984E-6
123.12720	7.37970	21.61000	0.073672	21.538	-0.0010634	-0.20747	2.5699E-6
125.69235	7.37970	21.61000	0.070809	21.538	-977.90E-6	-0.19709	2.4425E-6
128.25750	7.37970	21.61000	0.067942	21.538	-896.39E-6	-0.18689	2.3173E-6
130.82265	7.37970	21.61000	0.065090	21.538	-819.42E-6	-0.17695	2.1952E-6
133.38780	7.37970	21.61000	0.062272	21.538	-747.29E-6	-0.16732	2.0767E-6
135.95295	7.37970	21.61000	0.059502	21.538	-680.15E-6	-0.15805	1.9626E-6
138.51810	7.37970	21.61000	0.056794	21.538	-618.01E-6	-0.14915	1.8530E-6
141.08325	7.37970	21.61000	0.054157	21.538	-560.80E-6	-0.14066	1.7484E-6

143.64840	7.37970	21.61000	0.051600	21.538	-508.35E-6	-0.13258	1.6487E-6
146.21355	7.37970	21.61000	0.049130	21.538	-460.44E-6	-0.12492	1.5541E-6
148.77870	7.37970	21.61000	0.046750	21.538	-416.81E-6	-0.11767	1.4646E-6
151.34385	7.37970	21.61000	0.044465	21.538	-377.19E-6	-0.11083	1.3800E-6
153.90900	7.37970	21.61000	0.042276	21.538	-341.29E-6	-0.10438	1.3002E-6 !
0.00000	9.83960	21.61000	0.034283	21.538	-187.06E-6	-0.078482	0.0
2.56515	9.83960	21.61000	0.036031	21.538	-205.27E-6	-0.083046	1.0370E-6
5.13030	9.83960	21.61000	0.037866	21.538	-225.35E-6	-0.087896	1.0972E-6
7.69545	9.83960	21.61000	0.039790	21.538	-247.49E-6	-0.093048	1.1612E-6
10.26060	9.83960	21.61000	0.041805	21.538	-271.87E-6	-0.098513	1.2291E-6
12.82575	9.83960	21.61000	0.043911	21.538	-298.73E-6	-0.10431	1.3009E-6
15.39090	9.83960	21.61000	0.046110	21.538	-328.27E-6	-0.11044	1.3770E-6
17.95605	9.83960	21.61000	0.048401	21.538	-360.75E-6	-0.11693	1.4574E-6
20.52120	9.83960	21.61000	0.050783	21.538	-396.41E-6	-0.12378	1.5422E-6
23.08635	9.83960	21.61000	0.053253	21.538	-435.51E-6	-0.13100	1.6315E-6
25.65150	9.83960	21.61000	0.055808	21.538	-478.34E-6	-0.13859	1.7255E-6
28.21665	9.83960	21.61000	0.058444	21.538	-525.16E-6	-0.14656	1.8240E-6
30.78180	9.83960	21.61000	0.061155	21.538	-576.27E-6	-0.15491	1.9271E-6
33.34695	9.83960	21.61000	0.063934	21.538	-631.96E-6	-0.16363	2.0347E-6
35.91210	9.83960	21.61000	0.066771	21.538	-692.51E-6	-0.17272	2.1467E-6
38.47725	9.83960	21.61000	0.069656	21.538	-758.21E-6	-0.18216	2.2629E-6
41.04240	9.83960	21.61000	0.072576	21.538	-829.31E-6	-0.19192	2.3831E-6
43.60755	9.83960	21.61000	0.075517	21.538	-906.05E-6	-0.20200	2.5070E-6
46.17270	9.83960	21.61000	0.078463	21.538	-988.58E-6	-0.21235	2.6341E-6
48.73785	9.83960	21.61000	0.081395	21.538	-0.0010770	-0.22294	2.7639E-6
51.30300	9.83960	21.61000	0.084293	21.538	-0.0011711	-0.23371	2.8959E-6
53.86815	9.83960	21.61000	0.087136	21.538	-0.0012707	-0.24461	3.0292E-6
56.43330	9.83960	21.61000	0.089899	21.538	-0.0013751	-0.25555	3.1630E-6
58.99845	9.83960	21.61000	0.092560	21.538	-0.0014836	-0.26645	3.2960E-6
61.56360	9.83960	21.61000	0.095091	21.538	-0.0015949	-0.27720	3.4270E-6
64.12875	9.83960	21.61000	0.097468	21.538	-0.0017074	-0.28768	3.5546E-6
66.69390	9.83960	21.61000	0.099663	21.538	-0.0018192	-0.29775	3.6770E-6
69.25905	9.83960	21.61000	0.10165	21.538	-0.0019281	-0.30725	3.7925E-6
71.82420	9.83960	21.61000	0.10341	21.538	-0.0020316	-0.31603	3.8991E-6
74.38935	9.83960	21.61000	0.10491	21.538	-0.0021271	-0.32392	3.9947E-6
76.95450	9.83960	21.61000	0.10614	21.538	-0.0022120	-0.33076	4.0775E-6
79.51965	9.83960	21.61000	0.10707	21.538	-0.0022839	-0.33638	4.1455E-6
82.08480	9.83960	21.61000	0.10769	21.538	-0.0023406	-0.34064	4.1969E-6
84.64995	9.83960	21.61000	0.10799	21.538	-0.0023801	-0.34342	4.2304E-6
87.21510	9.83960	21.61000	0.10796	21.538	-0.0024013	-0.34462	4.2447E-6
89.78025	9.83960	21.61000	0.10759	21.538	-0.0024032	-0.34419	4.2392E-6
92.34540	9.83960	21.61000	0.10690	21.538	-0.0023857	-0.34211	4.2137E-6
94.91055	9.83960	21.61000	0.10587	21.538	-0.0023494	-0.33839	4.1684E-6
97.47570	9.83960	21.61000	0.10453	21.538	-0.0022951	-0.33312	4.1040E-6
100.04085	9.83960	21.61000	0.10290	21.538	-0.0022246	-0.32638	4.0219E-6
102.60600	9.83960	21.61000	0.10098	21.538	-0.0021398	-0.31831	3.9237E-6
105.17115	9.83960	21.61000	0.098801	21.538	-0.0020432	-0.30908	3.8112E-6
107.73630	9.83960	21.61000	0.096395	21.538	-0.0019374	-0.29887	3.6868E-6

110.30145	9.83960	21.61000	0.093786	21.538	-0.0018249	-0.28787	3.5526E-6
112.86660	9.83960	21.61000	0.091005	21.538	-0.0017085	-0.27628	3.4111E-6
115.43175	9.83960	21.61000	0.088084	21.538	-0.0015904	-0.26427	3.2645E-6
117.99690	9.83960	21.61000	0.085053	21.538	-0.0014729	-0.25203	3.1150E-6
120.56205	9.83960	21.61000	0.081943	21.538	-0.0013577	-0.23971	2.9644E-6
123.12720	9.83960	21.61000	0.078782	21.538	-0.0012463	-0.22745	2.8144E-6
125.69235	9.83960	21.61000	0.075599	21.538	-0.0011399	-0.21538	2.6665E-6
128.25750	9.83960	21.61000	0.072418	21.538	-0.0010393	-0.20358	2.5219E-6
130.82265	9.83960	21.61000	0.069262	21.538	-944.91E-6	-0.19214	2.3815E-6
133.38780	9.83960	21.61000	0.066150	21.538	-857.16E-6	-0.18112	2.2461E-6
135.95295	9.83960	21.61000	0.063099	21.538	-776.08E-6	-0.17055	2.1163E-6
138.51810	9.83960	21.61000	0.060122	21.538	-701.58E-6	-0.16047	1.9923E-6
141.08325	9.83960	21.61000	0.057232	21.538	-633.47E-6	-0.15089	1.8744E-6
143.64840	9.83960	21.61000	0.054437	21.538	-571.45E-6	-0.14183	1.7626E-6
146.21355	9.83960	21.61000	0.051743	21.538	-515.17E-6	-0.13326	1.6570E-6
148.77870	9.83960	21.61000	0.049155	21.538	-464.26E-6	-0.12520	1.5575E-6
151.34385	9.83960	21.61000	0.046677	21.538	-418.31E-6	-0.11763	1.4640E-6
153.90900	9.83960	21.61000	0.044308	21.538	-376.91E-6	-0.11052	1.3761E-6 !
0.00000	12.29950	21.61000	0.035711	21.538	-202.44E-6	-0.082247	1.0270E-6
2.56515	12.29950	21.61000	0.037581	21.538	-222.77E-6	-0.087183	1.0884E-6
5.13030	12.29950	21.61000	0.039549	21.538	-245.28E-6	-0.092444	1.1537E-6
7.69545	12.29950	21.61000	0.041616	21.538	-270.18E-6	-0.098047	1.2232E-6
10.26060	12.29950	21.61000	0.043785	21.538	-297.73E-6	-0.10401	1.2972E-6
12.82575	12.29950	21.61000	0.046058	21.538	-328.19E-6	-0.11035	1.3758E-6
15.39090	12.29950	21.61000	0.048436	21.538	-361.83E-6	-0.11709	1.4593E-6
17.95605	12.29950	21.61000	0.050918	21.538	-398.97E-6	-0.12423	1.5478E-6
20.52120	12.29950	21.61000	0.053504	21.538	-439.93E-6	-0.13180	1.6414E-6
23.08635	12.29950	21.61000	0.056193	21.538	-485.03E-6	-0.13980	1.7404E-6
25.65150	12.29950	21.61000	0.058981	21.538	-534.64E-6	-0.14825	1.8448E-6
28.21665	12.29950	21.61000	0.061863	21.538	-589.13E-6	-0.15714	1.9546E-6
30.78180	12.29950	21.61000	0.064833	21.538	-648.88E-6	-0.16649	2.0700E-6
33.34695	12.29950	21.61000	0.067884	21.538	-714.30E-6	-0.17629	2.1908E-6
35.91210	12.29950	21.61000	0.071007	21.538	-785.80E-6	-0.18653	2.3170E-6
38.47725	12.29950	21.61000	0.074189	21.538	-863.80E-6	-0.19722	2.4484E-6
41.04240	12.29950	21.61000	0.077417	21.538	-948.74E-6	-0.20832	2.5848E-6
43.60755	12.29950	21.61000	0.080674	21.538	-0.0010410	-0.21981	2.7260E-6
46.17270	12.29950	21.61000	0.083943	21.538	-0.0011410	-0.23168	2.8715E-6
48.73785	12.29950	21.61000	0.087202	21.538	-0.0012489	-0.24387	3.0208E-6
51.30300	12.29950	21.61000	0.090429	21.538	-0.0013649	-0.25634	3.1733E-6
53.86815	12.29950	21.61000	0.093599	21.538	-0.0014887	-0.26902	3.3281E-6
56.43330	12.29950	21.61000	0.096685	21.538	-0.0016199	-0.28183	3.4843E-6
58.99845	12.29950	21.61000	0.099658	21.538	-0.0017574	-0.29467	3.6407E-6
61.56360	12.29950	21.61000	0.10249	21.538	-0.0018998	-0.30741	3.7956E-6
64.12875	12.29950	21.61000	0.10515	21.538	-0.0020450	-0.31991	3.9473E-6
66.69390	12.29950	21.61000	0.10761	21.538	-0.0021906	-0.33200	4.0939E-6
69.25905	12.29950	21.61000	0.10984	21.538	-0.0023335	-0.34349	4.2331E-6
71.82420	12.29950	21.61000	0.11181	21.538	-0.0024702	-0.35418	4.3624E-6
74.38935	12.29950	21.61000	0.11349	21.538	-0.0025972	-0.36385	4.4793E-6

76.95450	12.29950	21.61000	0.11487	21.538	-0.0027107	-0.37229	4.5812E-6
79.51965	12.29950	21.61000	0.11591	21.538	-0.0028073	-0.37929	4.6655E-6
82.08480	12.29950	21.61000	0.11660	21.538	-0.0028838	-0.38465	4.7301E-6
84.64995	12.29950	21.61000	0.11694	21.538	-0.0029376	-0.38821	4.7729E-6
87.21510	12.29950	21.61000	0.11690	21.538	-0.0029668	-0.38984	4.7923E-6
89.78025	12.29950	21.61000	0.11649	21.538	-0.0029702	-0.38947	4.7875E-6
92.34540	12.29950	21.61000	0.11570	21.538	-0.0029476	-0.38706	4.7580E-6
94.91055	12.29950	21.61000	0.11455	21.538	-0.0028996	-0.38263	4.7041E-6
97.47570	12.29950	21.61000	0.11305	21.538	-0.0028277	-0.37628	4.6269E-6
100.04085	12.29950	21.61000	0.11121	21.538	-0.0027341	-0.36813	4.5279E-6
102.60600	12.29950	21.61000	0.10906	21.538	-0.0026219	-0.35837	4.4094E-6
105.17115	12.29950	21.61000	0.10662	21.538	-0.0024945	-0.34721	4.2738E-6
107.73630	12.29950	21.61000	0.10392	21.538	-0.0023554	-0.33489	4.1240E-6
110.30145	12.29950	21.61000	0.10100	21.538	-0.0022084	-0.32165	3.9631E-6
112.86660	12.29950	21.61000	0.097888	21.538	-0.0020570	-0.30775	3.7939E-6
115.43175	12.29950	21.61000	0.094623	21.538	-0.0019047	-0.29343	3.6195E-6
117.99690	12.29950	21.61000	0.091238	21.538	-0.0017540	-0.27889	3.4423E-6
120.56205	12.29950	21.61000	0.087771	21.538	-0.0016075	-0.26435	3.2649E-6
123.12720	12.29950	21.61000	0.084253	21.538	-0.0014670	-0.24995	3.0891E-6
125.69235	12.29950	21.61000	0.080717	21.538	-0.0013339	-0.23585	2.9167E-6
128.25750	12.29950	21.61000	0.077190	21.538	-0.0012089	-0.22216	2.7492E-6
130.82265	12.29950	21.61000	0.073698	21.538	-0.0010928	-0.20895	2.5874E-6
133.38780	12.29950	21.61000	0.070263	21.538	-985.62E-6	-0.19630	2.4323E-6
135.95295	12.29950	21.61000	0.066904	21.538	-887.37E-6	-0.18424	2.2842E-6
138.51810	12.29950	21.61000	0.063635	21.538	-797.81E-6	-0.17279	2.1437E-6
141.08325	12.29950	21.61000	0.060469	21.538	-716.54E-6	-0.16198	2.0107E-6
143.64840	12.29950	21.61000	0.057415	21.538	-643.08E-6	-0.15179	1.8853E-6
146.21355	12.29950	21.61000	0.054479	21.538	-576.89E-6	-0.14222	1.7674E-6
148.77870	12.29950	21.61000	0.051667	21.538	-517.42E-6	-0.13325	1.6567E-6
151.34385	12.29950	21.61000	0.048980	21.538	-464.08E-6	-0.12485	1.5532E-6
153.90900	12.29950	21.61000	0.046419	21.538	-416.34E-6	-0.11701	1.4563E-6 !
0.00000	14.75940	21.61000	0.037186	21.538	-219.09E-6	-0.086183	1.0759E-6
2.56515	14.75940	21.61000	0.039186	21.538	-241.80E-6	-0.091521	1.1422E-6
5.13030	14.75940	21.61000	0.041294	21.538	-267.03E-6	-0.097227	1.2131E-6
7.69545	14.75940	21.61000	0.043513	21.538	-295.06E-6	-0.10332	1.2887E-6
10.26060	14.75940	21.61000	0.045848	21.538	-326.19E-6	-0.10983	1.3694E-6
12.82575	14.75940	21.61000	0.048299	21.538	-360.75E-6	-0.11677	1.4554E-6
15.39090	14.75940	21.61000	0.050869	21.538	-399.10E-6	-0.12417	1.5470E-6
17.95605	14.75940	21.61000	0.053558	21.538	-441.60E-6	-0.13204	1.6444E-6
20.52120	14.75940	21.61000	0.056366	21.538	-488.68E-6	-0.14041	1.7479E-6
23.08635	14.75940	21.61000	0.059291	21.538	-540.75E-6	-0.14928	1.8576E-6
25.65150	14.75940	21.61000	0.062332	21.538	-598.28E-6	-0.15869	1.9737E-6
28.21665	14.75940	21.61000	0.065482	21.538	-661.74E-6	-0.16862	2.0963E-6
30.78180	14.75940	21.61000	0.068737	21.538	-731.65E-6	-0.17910	2.2255E-6
33.34695	14.75940	21.61000	0.072087	21.538	-808.54E-6	-0.19013	2.3613E-6
35.91210	14.75940	21.61000	0.075524	21.538	-892.99E-6	-0.20169	2.5036E-6
38.47725	14.75940	21.61000	0.079034	21.538	-985.62E-6	-0.21380	2.6524E-6
41.04240	14.75940	21.61000	0.082602	21.538	-0.0010871	-0.22643	2.8075E-6

43.60755	14.75940	21.61000	0.086210	21.538	-0.0011981	-0.23956	2.9685E-6
46.17270	14.75940	21.61000	0.089837	21.538	-0.0013193	-0.25318	3.1353E-6
48.73785	14.75940	21.61000	0.093460	21.538	-0.0014514	-0.26725	3.3072E-6
51.30300	14.75940	21.61000	0.097053	21.538	-0.0015946	-0.28171	3.4838E-6
53.86815	14.75940	21.61000	0.10059	21.538	-0.0017492	-0.29651	3.6641E-6
56.43330	14.75940	21.61000	0.10403	21.538	-0.0019148	-0.31156	3.8472E-6
58.99845	14.75940	21.61000	0.10735	21.538	-0.0020902	-0.32674	4.0315E-6
61.56360	14.75940	21.61000	0.11051	21.538	-0.0022739	-0.34191	4.2155E-6
64.12875	14.75940	21.61000	0.11348	21.538	-0.0024633	-0.35690	4.3969E-6
66.69390	14.75940	21.61000	0.11623	21.538	-0.0026548	-0.37151	4.5735E-6
69.25905	14.75940	21.61000	0.11871	21.538	-0.0028445	-0.38550	4.7423E-6
71.82420	14.75940	21.61000	0.12091	21.538	-0.0030273	-0.39861	4.9004E-6
74.38935	14.75940	21.61000	0.12279	21.538	-0.0031983	-0.41057	5.0443E-6
76.95450	14.75940	21.61000	0.12432	21.538	-0.0033522	-0.42109	5.1708E-6
79.51965	14.75940	21.61000	0.12547	21.538	-0.0034838	-0.42988	5.2765E-6
82.08480	14.75940	21.61000	0.12624	21.538	-0.0035886	-0.43670	5.3584E-6
84.64995	14.75940	21.61000	0.12660	21.538	-0.0036629	-0.44132	5.4136E-6
87.21510	14.75940	21.61000	0.12655	21.538	-0.0037037	-0.44355	5.4402E-6
89.78025	14.75940	21.61000	0.12608	21.538	-0.0037095	-0.44329	5.4367E-6
92.34540	14.75940	21.61000	0.12520	21.538	-0.0036799	-0.44049	5.4025E-6
94.91055	14.75940	21.61000	0.12391	21.538	-0.0036157	-0.43518	5.3381E-6
97.47570	14.75940	21.61000	0.12222	21.538	-0.0035191	-0.42746	5.2447E-6
100.04085	14.75940	21.61000	0.12017	21.538	-0.0033934	-0.41752	5.1244E-6
102.60600	14.75940	21.61000	0.11776	21.538	-0.0032429	-0.40560	4.9801E-6
105.17115	14.75940	21.61000	0.11503	21.538	-0.0030725	-0.39199	4.8153E-6
107.73630	14.75940	21.61000	0.11202	21.538	-0.0028874	-0.37699	4.6336E-6
110.30145	14.75940	21.61000	0.10875	21.538	-0.0026931	-0.36094	4.4390E-6
112.86660	14.75940	21.61000	0.10528	21.538	-0.0024943	-0.34416	4.2355E-6
115.43175	14.75940	21.61000	0.10164	21.538	-0.0022957	-0.32695	4.0265E-6
117.99690	14.75940	21.61000	0.097864	21.538	-0.0021010	-0.30960	3.8155E-6
120.56205	14.75940	21.61000	0.094003	21.538	-0.0019132	-0.29233	3.6053E-6
123.12720	14.75940	21.61000	0.090093	21.538	-0.0017347	-0.27535	3.3985E-6
125.69235	14.75940	21.61000	0.086169	21.538	-0.0015670	-0.25882	3.1968E-6
128.25750	14.75940	21.61000	0.082263	21.538	-0.0014111	-0.24286	3.0020E-6
130.82265	14.75940	21.61000	0.078403	21.538	-0.0012675	-0.22757	2.8151E-6
133.38780	14.75940	21.61000	0.074615	21.538	-0.0011361	-0.21301	2.6369E-6
135.95295	14.75940	21.61000	0.070920	21.538	-0.0010167	-0.19922	2.4679E-6
138.51810	14.75940	21.61000	0.067332	21.538	-908.71E-6	-0.18621	2.3082E-6
141.08325	14.75940	21.61000	0.063867	21.538	-811.54E-6	-0.17398	2.1581E-6
143.64840	14.75940	21.61000	0.060533	21.538	-724.38E-6	-0.16252	2.0172E-6
146.21355	14.75940	21.61000	0.057337	21.538	-646.45E-6	-0.15182	1.8855E-6
148.77870	14.75940	21.61000	0.054283	21.538	-576.91E-6	-0.14183	1.7625E-6
151.34385	14.75940	21.61000	0.051372	21.538	-514.98E-6	-0.13253	1.6478E-6
153.90900	14.75940	21.61000	0.048606	21.538	-459.90E-6	-0.12388	1.5411E-6 !
0.00000	17.21930	21.61000	0.038705	21.538	-237.10E-6	-0.090292	1.1269E-6
2.56515	17.21930	21.61000	0.040842	21.538	-262.47E-6	-0.096064	1.1986E-6
5.13030	17.21930	21.61000	0.043100	21.538	-290.76E-6	-0.10225	1.2754E-6
7.69545	17.21930	21.61000	0.045482	21.538	-322.32E-6	-0.10888	1.3576E-6

10.26060	17.21930	21.61000	0.047992	21.538	-357.52E-6	-0.11599	1.4456E-6
12.82575	17.21930	21.61000	0.050635	21.538	-396.76E-6	-0.12359	1.5398E-6
15.39090	17.21930	21.61000	0.053411	21.538	-440.49E-6	-0.13171	1.6403E-6
17.95605	17.21930	21.61000	0.056322	21.538	-489.18E-6	-0.14039	1.7477E-6
20.52120	17.21930	21.61000	0.059369	21.538	-543.34E-6	-0.14965	1.8621E-6
23.08635	17.21930	21.61000	0.062552	21.538	-603.51E-6	-0.15951	1.9838E-6
25.65150	17.21930	21.61000	0.065866	21.538	-670.28E-6	-0.16998	2.1131E-6
28.21665	17.21930	21.61000	0.069309	21.538	-744.24E-6	-0.18109	2.2501E-6
30.78180	17.21930	21.61000	0.072874	21.538	-826.06E-6	-0.19285	2.3950E-6
33.34695	17.21930	21.61000	0.076553	21.538	-916.44E-6	-0.20527	2.5477E-6
35.91210	17.21930	21.61000	0.080335	21.538	-0.0010161	-0.21834	2.7084E-6
38.47725	17.21930	21.61000	0.084206	21.538	-0.0011261	-0.23207	2.8770E-6
41.04240	17.21930	21.61000	0.088151	21.538	-0.0012472	-0.24646	3.0534E-6
43.60755	17.21930	21.61000	0.092147	21.538	-0.0013806	-0.26148	3.2374E-6
46.17270	17.21930	21.61000	0.096172	21.538	-0.0015275	-0.27713	3.4287E-6
48.73785	17.21930	21.61000	0.10020	21.538	-0.0016890	-0.29338	3.6270E-6
51.30300	17.21930	21.61000	0.10420	21.538	-0.0018662	-0.31019	3.8318E-6
53.86815	17.21930	21.61000	0.10813	21.538	-0.0020598	-0.32750	4.0423E-6
56.43330	17.21930	21.61000	0.11197	21.538	-0.0022698	-0.34523	4.2573E-6
58.99845	17.21930	21.61000	0.11567	21.538	-0.0024953	-0.36325	4.4755E-6
61.56360	17.21930	21.61000	0.11919	21.538	-0.0027343	-0.38140	4.6949E-6
64.12875	17.21930	21.61000	0.12250	21.538	-0.0029837	-0.39949	4.9130E-6
66.69390	17.21930	21.61000	0.12555	21.538	-0.0032387	-0.41726	5.1270E-6
69.25905	17.21930	21.61000	0.12831	21.538	-0.0034937	-0.43443	5.3333E-6
71.82420	17.21930	21.61000	0.13074	21.538	-0.0037418	-0.45065	5.5280E-6
74.38935	17.21930	21.61000	0.13281	21.538	-0.0039754	-0.46557	5.7068E-6
76.95450	17.21930	21.61000	0.13449	21.538	-0.0041870	-0.47880	5.8654E-6
79.51965	17.21930	21.61000	0.13576	21.538	-0.0043691	-0.48999	5.9992E-6
82.08480	17.21930	21.61000	0.13659	21.538	-0.0045149	-0.49876	6.1041E-6
84.64995	17.21930	21.61000	0.13697	21.538	-0.0046190	-0.50481	6.1763E-6
87.21510	17.21930	21.61000	0.13689	21.538	-0.0046772	-0.50789	6.2128E-6
89.78025	17.21930	21.61000	0.13635	21.538	-0.0046869	-0.50784	6.2118E-6
92.34540	17.21930	21.61000	0.13536	21.538	-0.0046476	-0.50458	6.1722E-6
94.91055	17.21930	21.61000	0.13391	21.538	-0.0045605	-0.49814	6.0946E-6
97.47570	17.21930	21.61000	0.13203	21.538	-0.0044288	-0.48869	5.9806E-6
100.04085	17.21930	21.61000	0.12974	21.538	-0.0042574	-0.47644	5.8330E-6
102.60600	17.21930	21.61000	0.12706	21.538	-0.0040525	-0.46174	5.6558E-6
105.17115	17.21930	21.61000	0.12402	21.538	-0.0038215	-0.44496	5.4535E-6
107.73630	17.21930	21.61000	0.12067	21.538	-0.0035721	-0.42654	5.2312E-6
110.30145	17.21930	21.61000	0.11704	21.538	-0.0033118	-0.40691	4.9940E-6
112.86660	17.21930	21.61000	0.11317	21.538	-0.0030477	-0.38649	4.7471E-6
115.43175	17.21930	21.61000	0.10912	21.538	-0.0027861	-0.36568	4.4952E-6
117.99690	17.21930	21.61000	0.10493	21.538	-0.0025319	-0.34482	4.2424E-6
120.56205	17.21930	21.61000	0.10064	21.538	-0.0022892	-0.32421	3.9922E-6
123.12720	17.21930	21.61000	0.096306	21.538	-0.0020608	-0.30408	3.7476E-6
125.69235	17.21930	21.61000	0.091959	21.538	-0.0018483	-0.28462	3.5108E-6
128.25750	17.21930	21.61000	0.087639	21.538	-0.0016527	-0.26597	3.2835E-6
130.82265	17.21930	21.61000	0.083379	21.538	-0.0014742	-0.24822	3.0669E-6

133.38780	17.21930	21.61000	0.079207	21.538	-0.0013126	-0.23142	2.8618E-6
135.95295	17.21930	21.61000	0.075146	21.538	-0.0011670	-0.21562	2.6685E-6
138.51810	17.21930	21.61000	0.071214	21.538	-0.0010366	-0.20080	2.4870E-6
141.08325	17.21930	21.61000	0.067425	21.538	-920.16E-6	-0.18696	2.3173E-6
143.64840	17.21930	21.61000	0.063789	21.538	-816.62E-6	-0.17407	2.1590E-6
146.21355	17.21930	21.61000	0.060312	21.538	-724.76E-6	-0.16209	2.0117E-6
148.77870	17.21930	21.61000	0.056999	21.538	-643.42E-6	-0.15097	1.8749E-6
151.34385	17.21930	21.61000	0.053850	21.538	-571.49E-6	-0.14066	1.7480E-6
153.90900	17.21930	21.61000	0.050865	21.538	-507.96E-6	-0.13113	1.6304E-6 !
0.00000	19.67920	21.61000	0.040268	21.538	-256.58E-6	-0.094576	1.1801E-6
2.56515	19.67920	21.61000	0.042550	21.538	-284.91E-6	-0.10082	1.2575E-6
5.13030	19.67920	21.61000	0.044965	21.538	-316.63E-6	-0.10753	1.3407E-6
7.69545	19.67920	21.61000	0.047520	21.538	-352.18E-6	-0.11474	1.4302E-6
10.26060	19.67920	21.61000	0.050218	21.538	-391.99E-6	-0.12249	1.5262E-6
12.82575	19.67920	21.61000	0.053064	21.538	-436.58E-6	-0.13082	1.6292E-6
15.39090	19.67920	21.61000	0.056061	21.538	-486.49E-6	-0.13975	1.7397E-6
17.95605	19.67920	21.61000	0.059211	21.538	-542.31E-6	-0.14932	1.8581E-6
20.52120	19.67920	21.61000	0.062516	21.538	-604.68E-6	-0.15957	1.9846E-6
23.08635	19.67920	21.61000	0.065976	21.538	-674.28E-6	-0.17053	2.1198E-6
25.65150	19.67920	21.61000	0.069588	21.538	-751.83E-6	-0.18221	2.2639E-6
28.21665	19.67920	21.61000	0.073348	21.538	-838.08E-6	-0.19465	2.4171E-6
30.78180	19.67920	21.61000	0.077252	21.538	-933.85E-6	-0.20786	2.5797E-6
33.34695	19.67920	21.61000	0.081290	21.538	-0.0010400	-0.22186	2.7517E-6
35.91210	19.67920	21.61000	0.085451	21.538	-0.0011576	-0.23665	2.9334E-6
38.47725	19.67920	21.61000	0.089721	21.538	-0.0012877	-0.25224	3.1246E-6
41.04240	19.67920	21.61000	0.094081	21.538	-0.0014318	-0.26863	3.3253E-6
43.60755	19.67920	21.61000	0.098507	21.538	-0.0015916	-0.28582	3.5356E-6
46.17270	19.67920	21.61000	0.10297	21.538	-0.0017689	-0.30382	3.7553E-6
48.73785	19.67920	21.61000	0.10745	21.538	-0.0019661	-0.32260	3.9842E-6
51.30300	19.67920	21.61000	0.11190	21.538	-0.0021852	-0.34216	4.2220E-6
53.86815	19.67920	21.61000	0.11627	21.538	-0.0024279	-0.36245	4.4680E-6
56.43330	19.67920	21.61000	0.12054	21.538	-0.0026953	-0.38338	4.7213E-6
58.99845	19.67920	21.61000	0.12465	21.538	-0.0029871	-0.40486	4.9804E-6
61.56360	19.67920	21.61000	0.12856	21.538	-0.0033010	-0.42669	5.2432E-6
64.12875	19.67920	21.61000	0.13223	21.538	-0.0036332	-0.44864	5.5069E-6
66.69390	19.67920	21.61000	0.13560	21.538	-0.0039773	-0.47042	5.7678E-6
69.25905	19.67920	21.61000	0.13863	21.538	-0.0043252	-0.49165	6.0218E-6
71.82420	19.67920	21.61000	0.14130	21.538	-0.0046670	-0.51191	6.2637E-6
74.38935	19.67920	21.61000	0.14355	21.538	-0.0049916	-0.53071	6.4881E-6
76.95450	19.67920	21.61000	0.14537	21.538	-0.0052875	-0.54756	6.6889E-6
79.51965	19.67920	21.61000	0.14672	21.538	-0.0055437	-0.56195	6.8602E-6
82.08480	19.67920	21.61000	0.14760	21.538	-0.0057502	-0.57338	6.9962E-6
84.64995	19.67920	21.61000	0.14797	21.538	-0.0058987	-0.58142	7.0917E-6
87.21510	19.67920	21.61000	0.14785	21.538	-0.0059829	-0.58571	7.1425E-6
89.78025	19.67920	21.61000	0.14722	21.538	-0.0059992	-0.58601	7.1457E-6
92.34540	19.67920	21.61000	0.14609	21.538	-0.0059465	-0.58222	7.1000E-6
94.91055	19.67920	21.61000	0.14447	21.538	-0.0058265	-0.57436	7.0057E-6
97.47570	19.67920	21.61000	0.14238	21.538	-0.0056440	-0.56264	6.8651E-6

100.04085	19.67920	21.61000	0.13985	21.538	-0.0054064	-0.54739	6.6822E-6
102.60600	19.67920	21.61000	0.13689	21.538	-0.0051230	-0.52904	6.4621E-6
105.17115	19.67920	21.61000	0.13354	21.538	-0.0048049	-0.50815	6.2113E-6
107.73630	19.67920	21.61000	0.12983	21.538	-0.0044635	-0.48529	5.9366E-6
110.30145	19.67920	21.61000	0.12582	21.538	-0.0041101	-0.46105	5.6450E-6
112.86660	19.67920	21.61000	0.12155	21.538	-0.0037547	-0.43599	5.3432E-6
115.43175	19.67920	21.61000	0.11707	21.538	-0.0034061	-0.41063	5.0372E-6
117.99690	19.67920	21.61000	0.11243	21.538	-0.0030710	-0.38538	4.7323E-6
120.56205	19.67920	21.61000	0.10768	21.538	-0.0027546	-0.36063	4.4329E-6
123.12720	19.67920	21.61000	0.10289	21.538	-0.0024599	-0.33665	4.1423E-6
125.69235	19.67920	21.61000	0.098083	21.538	-0.0021890	-0.31365	3.8631E-6
128.25750	19.67920	21.61000	0.093316	21.538	-0.0019423	-0.29177	3.5972E-6
130.82265	19.67920	21.61000	0.088622	21.538	-0.0017196	-0.27110	3.3456E-6
133.38780	19.67920	21.61000	0.084035	21.538	-0.0015199	-0.25170	3.1090E-6
135.95295	19.67920	21.61000	0.079579	21.538	-0.0013419	-0.23356	2.8875E-6
138.51810	19.67920	21.61000	0.075275	21.538	-0.0011840	-0.21667	2.6810E-6
141.08325	19.67920	21.61000	0.071137	21.538	-0.0010443	-0.20099	2.4891E-6
143.64840	19.67920	21.61000	0.067177	21.538	-921.16E-6	-0.18647	2.3111E-6
146.21355	19.67920	21.61000	0.063401	21.538	-812.82E-6	-0.17306	2.1464E-6
148.77870	19.67920	21.61000	0.059812	21.538	-717.64E-6	-0.16068	1.9942E-6
151.34385	19.67920	21.61000	0.056410	21.538	-634.11E-6	-0.14926	1.8538E-6
153.90900	19.67920	21.61000	0.053192	21.538	-560.84E-6	-0.13875	1.7244E-6 !
0.00000	22.13910	21.61000	0.041870	21.538	-277.61E-6	-0.099034	1.2354E-6
2.56515	22.13910	21.61000	0.044305	21.538	-309.25E-6	-0.10578	1.3190E-6
5.13030	22.13910	21.61000	0.046887	21.538	-344.83E-6	-0.11305	1.4092E-6
7.69545	22.13910	21.61000	0.049624	21.538	-384.87E-6	-0.12090	1.5064E-6
10.26060	22.13910	21.61000	0.052522	21.538	-429.93E-6	-0.12936	1.6112E-6
12.82575	22.13910	21.61000	0.055585	21.538	-480.62E-6	-0.13848	1.7240E-6
15.39090	22.13910	21.61000	0.058818	21.538	-537.63E-6	-0.14831	1.8454E-6
17.95605	22.13910	21.61000	0.062224	21.538	-601.69E-6	-0.15887	1.9759E-6
20.52120	22.13910	21.61000	0.065806	21.538	-673.59E-6	-0.17023	2.1161E-6
23.08635	22.13910	21.61000	0.069564	21.538	-754.18E-6	-0.18241	2.2663E-6
25.65150	22.13910	21.61000	0.073497	21.538	-844.33E-6	-0.19545	2.4270E-6
28.21665	22.13910	21.61000	0.077603	21.538	-944.96E-6	-0.20939	2.5985E-6
30.78180	22.13910	21.61000	0.081875	21.538	-0.0010570	-0.22425	2.7812E-6
33.34695	22.13910	21.61000	0.086305	21.538	-0.0011816	-0.24004	2.9752E-6
35.91210	22.13910	21.61000	0.090882	21.538	-0.0013198	-0.25679	3.1806E-6
38.47725	22.13910	21.61000	0.095590	21.538	-0.0014732	-0.27450	3.3976E-6
41.04240	22.13910	21.61000	0.10041	21.538	-0.0016436	-0.29318	3.6262E-6
43.60755	22.13910	21.61000	0.10531	21.538	-0.0018335	-0.31285	3.8665E-6
46.17270	22.13910	21.61000	0.11027	21.538	-0.0020460	-0.33354	4.1187E-6
48.73785	22.13910	21.61000	0.11524	21.538	-0.0022849	-0.35525	4.3829E-6
51.30300	22.13910	21.61000	0.12019	21.538	-0.0025545	-0.37802	4.6591E-6
53.86815	22.13910	21.61000	0.12506	21.538	-0.0028586	-0.40181	4.9470E-6
56.43330	22.13910	21.61000	0.12980	21.538	-0.0032000	-0.42660	5.2460E-6
58.99845	22.13910	21.61000	0.13435	21.538	-0.0035798	-0.45228	5.5546E-6
61.56360	22.13910	21.61000	0.13867	21.538	-0.0039961	-0.47866	5.8708E-6
64.12875	22.13910	21.61000	0.14270	21.538	-0.0044440	-0.50548	6.1912E-6

66.69390	22.13910	21.61000	0.14639	21.538	-0.0049153	-0.53237	6.5117E-6
69.25905	22.13910	21.61000	0.14969	21.538	-0.0053979	-0.55887	6.8269E-6
71.82420	22.13910	21.61000	0.15256	21.538	-0.0058773	-0.58442	7.1303E-6
74.38935	22.13910	21.61000	0.15496	21.538	-0.0063367	-0.60840	7.4146E-6
76.95450	22.13910	21.61000	0.15687	21.538	-0.0067586	-0.63012	7.6720E-6
79.51965	22.13910	21.61000	0.15827	21.538	-0.0071262	-0.64888	7.8940E-6
82.08480	22.13910	21.61000	0.15913	21.538	-0.0074243	-0.66398	8.0728E-6
84.64995	22.13910	21.61000	0.15946	21.538	-0.0076405	-0.67481	8.2009E-6
87.21510	22.13910	21.61000	0.15925	21.538	-0.0077652	-0.68086	8.2723E-6
89.78025	22.13910	21.61000	0.15850	21.538	-0.0077926	-0.68177	8.2826E-6
92.34540	22.13910	21.61000	0.15722	21.538	-0.0077211	-0.67736	8.2299E-6
94.91055	22.13910	21.61000	0.15542	21.538	-0.0075531	-0.66767	8.1143E-6
97.47570	22.13910	21.61000	0.15313	21.538	-0.0072956	-0.65297	7.9391E-6
100.04085	22.13910	21.61000	0.15035	21.538	-0.0069600	-0.63371	7.7095E-6
102.60600	22.13910	21.61000	0.14712	21.538	-0.0065607	-0.61054	7.4331E-6
105.17115	22.13910	21.61000	0.14347	21.538	-0.0061148	-0.58420	7.1186E-6
107.73630	22.13910	21.61000	0.13943	21.538	-0.0056397	-0.55551	6.7755E-6
110.30145	22.13910	21.61000	0.13504	21.538	-0.0051522	-0.52526	6.4134E-6
112.86660	22.13910	21.61000	0.13035	21.538	-0.0046672	-0.49421	6.0412E-6
115.43175	22.13910	21.61000	0.12543	21.538	-0.0041969	-0.46304	5.6667E-6
117.99690	22.13910	21.61000	0.12033	21.538	-0.0037504	-0.43228	5.2966E-6
120.56205	22.13910	21.61000	0.11510	21.538	-0.0033338	-0.40238	4.9362E-6
123.12720	22.13910	21.61000	0.10982	21.538	-0.0029509	-0.37366	4.5894E-6
125.69235	22.13910	21.61000	0.10453	21.538	-0.0026030	-0.34636	4.2590E-6
128.25750	22.13910	21.61000	0.099281	21.538	-0.0022902	-0.32061	3.9469E-6
130.82265	22.13910	21.61000	0.094123	21.538	-0.0020110	-0.29649	3.6540E-6
133.38780	22.13910	21.61000	0.089090	21.538	-0.0017636	-0.27401	3.3806E-6
135.95295	22.13910	21.61000	0.084210	21.538	-0.0015454	-0.25316	3.1265E-6
138.51810	22.13910	21.61000	0.079507	21.538	-0.0013538	-0.23389	2.8912E-6
141.08325	22.13910	21.61000	0.074998	21.538	-0.0011860	-0.21612	2.6740E-6
143.64840	22.13910	21.61000	0.070692	21.538	-0.0010395	-0.19977	2.4739E-6
146.21355	22.13910	21.61000	0.066596	21.538	-911.65E-6	-0.18475	2.2898E-6
148.77870	22.13910	21.61000	0.062714	21.538	-800.29E-6	-0.17097	2.1206E-6
151.34385	22.13910	21.61000	0.059043	21.538	-703.32E-6	-0.15834	1.9654E-6
153.90900	22.13910	21.61000	0.055580	21.538	-618.89E-6	-0.14676	1.8229E-6 !
0.00000	24.59900	21.61000	0.043510	21.538	-300.30E-6	-0.10367	1.2928E-6
2.56515	24.59900	21.61000	0.046105	21.538	-335.63E-6	-0.11095	1.3831E-6
5.13030	24.59900	21.61000	0.048863	21.538	-375.55E-6	-0.11884	1.4808E-6
7.69545	24.59900	21.61000	0.051793	21.538	-420.67E-6	-0.12737	1.5865E-6
10.26060	24.59900	21.61000	0.054901	21.538	-471.68E-6	-0.13661	1.7008E-6
12.82575	24.59900	21.61000	0.058195	21.538	-529.34E-6	-0.14660	1.8243E-6
15.39090	24.59900	21.61000	0.061679	21.538	-594.51E-6	-0.15741	1.9578E-6
17.95605	24.59900	21.61000	0.065358	21.538	-668.10E-6	-0.16908	2.1018E-6
20.52120	24.59900	21.61000	0.069237	21.538	-751.09E-6	-0.18167	2.2570E-6
23.08635	24.59900	21.61000	0.073315	21.538	-844.51E-6	-0.19523	2.4241E-6
25.65150	24.59900	21.61000	0.077595	21.538	-949.42E-6	-0.20981	2.6036E-6
28.21665	24.59900	21.61000	0.082072	21.538	-0.0010669	-0.22544	2.7958E-6
30.78180	24.59900	21.61000	0.086743	21.538	-0.0011980	-0.24217	3.0013E-6

33.34695	24.59900	21.61000	0.091601	21.538	-0.0013438	-0.26001	3.2202E-6
35.91210	24.59900	21.61000	0.096633	21.538	-0.0015056	-0.27898	3.4528E-6
38.47725	24.59900	21.61000	0.10182	21.538	-0.0016850	-0.29909	3.6991E-6
41.04240	24.59900	21.61000	0.10715	21.538	-0.0018841	-0.32038	3.9593E-6
43.60755	24.59900	21.61000	0.11259	21.538	-0.0021065	-0.34286	4.2337E-6
46.17270	24.59900	21.61000	0.11809	21.538	-0.0023571	-0.36660	4.5229E-6
48.73785	24.59900	21.61000	0.12362	21.538	-0.0026424	-0.39166	4.8274E-6
51.30300	24.59900	21.61000	0.12912	21.538	-0.0029702	-0.41811	5.1478E-6
53.86815	24.59900	21.61000	0.13453	21.538	-0.0033486	-0.44603	5.4847E-6
56.43330	24.59900	21.61000	0.13978	21.538	-0.0037842	-0.47541	5.8379E-6
58.99845	24.59900	21.61000	0.14481	21.538	-0.0042810	-0.50620	6.2066E-6
61.56360	24.59900	21.61000	0.14955	21.538	-0.0048384	-0.53824	6.5885E-6
64.12875	24.59900	21.61000	0.15394	21.538	-0.0054510	-0.57121	6.9802E-6
66.69390	24.59900	21.61000	0.15792	21.538	-0.0061072	-0.60469	7.3767E-6
69.25905	24.59900	21.61000	0.16143	21.538	-0.0067897	-0.63811	7.7712E-6
71.82420	24.59900	21.61000	0.16445	21.538	-0.0074762	-0.67072	8.1556E-6
74.38935	24.59900	21.61000	0.16693	21.538	-0.0081406	-0.70169	8.5201E-6
76.95450	24.59900	21.61000	0.16885	21.538	-0.0087556	-0.73007	8.8540E-6
79.51965	24.59900	21.61000	0.17020	21.538	-0.0092949	-0.75489	9.1458E-6
82.08480	24.59900	21.61000	0.17097	21.538	-0.0097351	-0.77516	9.3842E-6
84.64995	24.59900	21.61000	0.17117	21.538	-0.010057	-0.79000	9.5588E-6
87.21510	24.59900	21.61000	0.17080	21.538	-0.010246	-0.79865	9.6604E-6
89.78025	24.59900	21.61000	0.16988	21.538	-0.010294	-0.80056	9.6827E-6
92.34540	24.59900	21.61000	0.16842	21.538	-0.010196	-0.79546	9.6222E-6
94.91055	24.59900	21.61000	0.16644	21.538	-0.0099561	-0.78338	9.4793E-6
97.47570	24.59900	21.61000	0.16396	21.538	-0.0095854	-0.76468	9.2581E-6
100.04085	24.59900	21.61000	0.16098	21.538	-0.0091013	-0.74003	8.9661E-6
102.60600	24.59900	21.61000	0.15753	21.538	-0.0085267	-0.71032	8.6142E-6
105.17115	24.59900	21.61000	0.15362	21.538	-0.0078886	-0.67665	8.2147E-6
107.73630	24.59900	21.61000	0.14928	21.538	-0.0072146	-0.64016	7.7811E-6
110.30145	24.59900	21.61000	0.14456	21.538	-0.0065304	-0.60198	7.3265E-6
112.86660	24.59900	21.61000	0.13949	21.538	-0.0058582	-0.56312	6.8631E-6
115.43175	24.59900	21.61000	0.13413	21.538	-0.0052150	-0.52446	6.4010E-6
117.99690	24.59900	21.61000	0.12857	21.538	-0.0046129	-0.48670	5.9486E-6
120.56205	24.59900	21.61000	0.12285	21.538	-0.0040592	-0.45035	5.5123E-6
123.12720	24.59900	21.61000	0.11707	21.538	-0.0035574	-0.41579	5.0965E-6
125.69235	24.59900	21.61000	0.11127	21.538	-0.0031079	-0.38325	4.7041E-6
128.25750	24.59900	21.61000	0.10552	21.538	-0.0027091	-0.35285	4.3367E-6
130.82265	24.59900	21.61000	0.099865	21.538	-0.0023578	-0.32463	3.9949E-6
133.38780	24.59900	21.61000	0.094358	21.538	-0.0020502	-0.29855	3.6785E-6
135.95295	24.59900	21.61000	0.089028	21.538	-0.0017822	-0.27456	3.3867E-6
138.51810	24.59900	21.61000	0.083900	21.538	-0.0015493	-0.25255	3.1186E-6
141.08325	24.59900	21.61000	0.078994	21.538	-0.0013476	-0.23240	2.8728E-6
143.64840	24.59900	21.61000	0.074321	21.538	-0.0011731	-0.21399	2.6477E-6
146.21355	24.59900	21.61000	0.069888	21.538	-0.0010223	-0.19718	2.4420E-6
148.77870	24.59900	21.61000	0.065695	21.538	-892.08E-6	-0.18185	2.2541E-6
151.34385	24.59900	21.61000	0.061741	21.538	-779.59E-6	-0.16788	2.0825E-6
153.90900	24.59900	21.61000	0.058022	21.538	-682.40E-6	-0.15514	1.9259E-6 !

0.00000	27.05890	21.61000	0.045183	21.538	-324.75E-6	-0.10847	1.3523E-6
2.56515	27.05890	21.61000	0.047945	21.538	-364.19E-6	-0.11633	1.4497E-6
5.13030	27.05890	21.61000	0.050887	21.538	-408.97E-6	-0.12488	1.5555E-6
7.69545	27.05890	21.61000	0.054020	21.538	-459.82E-6	-0.13416	1.6704E-6
10.26060	27.05890	21.61000	0.057351	21.538	-517.59E-6	-0.14424	1.7950E-6
12.82575	27.05890	21.61000	0.060888	21.538	-583.24E-6	-0.15519	1.9303E-6
15.39090	27.05890	21.61000	0.064639	21.538	-657.81E-6	-0.16708	2.0770E-6
17.95605	27.05890	21.61000	0.068609	21.538	-742.45E-6	-0.17997	2.2360E-6
20.52120	27.05890	21.61000	0.072803	21.538	-838.36E-6	-0.19394	2.4082E-6
23.08635	27.05890	21.61000	0.077225	21.538	-946.83E-6	-0.20905	2.5942E-6
25.65150	27.05890	21.61000	0.081875	21.538	-0.0010691	-0.22536	2.7948E-6
28.21665	27.05890	21.61000	0.086753	21.538	-0.0012063	-0.24293	3.0105E-6
30.78180	27.05890	21.61000	0.091855	21.538	-0.0013596	-0.26178	3.2420E-6
33.34695	27.05890	21.61000	0.097176	21.538	-0.0015298	-0.28195	3.4893E-6
35.91210	27.05890	21.61000	0.10270	21.538	-0.0017178	-0.30346	3.7527E-6
38.47725	27.05890	21.61000	0.10843	21.538	-0.0019248	-0.32630	4.0323E-6
41.04240	27.05890	21.61000	0.11432	21.538	-0.0021529	-0.35051	4.3282E-6
43.60755	27.05890	21.61000	0.12035	21.538	-0.0024062	-0.37613	4.6410E-6
46.17270	27.05890	21.61000	0.12647	21.538	-0.0026922	-0.40326	4.9715E-6
48.73785	27.05890	21.61000	0.13263	21.538	-0.0030220	-0.43205	5.3212E-6
51.30300	27.05890	21.61000	0.13875	21.538	-0.0034102	-0.46268	5.6918E-6
53.86815	27.05890	21.61000	0.14476	21.538	-0.0038730	-0.49534	6.0852E-6
56.43330	27.05890	21.61000	0.15057	21.538	-0.0044250	-0.53016	6.5025E-6
58.99845	27.05890	21.61000	0.15610	21.538	-0.0050764	-0.56717	6.9435E-6
61.56360	27.05890	21.61000	0.16125	21.538	-0.0058301	-0.60624	7.4066E-6
64.12875	27.05890	21.61000	0.16596	21.538	-0.0066806	-0.64707	7.8882E-6
66.69390	27.05890	21.61000	0.17017	21.538	-0.0076122	-0.68915	8.3824E-6
69.25905	27.05890	21.61000	0.17381	21.538	-0.0085993	-0.73175	8.8810E-6
71.82420	27.05890	21.61000	0.17685	21.538	-0.0096067	-0.77391	9.3734E-6
74.38935	27.05890	21.61000	0.17926	21.538	-0.010593	-0.81449	9.8466E-6
76.95450	27.05890	21.61000	0.18103	21.538	-0.011513	-0.85217	10.286E-6
79.51965	27.05890	21.61000	0.18217	21.538	-0.012324	-0.88556	10.675E-6
82.08480	27.05890	21.61000	0.18269	21.538	-0.012991	-0.91326	10.999E-6
84.64995	27.05890	21.61000	0.18262	21.538	-0.013484	-0.93396	11.240E-6
87.21510	27.05890	21.61000	0.18198	21.538	-0.013780	-0.94653	11.387E-6
89.78025	27.05890	21.61000	0.18082	21.538	-0.013864	-0.95012	11.429E-6
92.34540	27.05890	21.61000	0.17915	21.538	-0.013729	-0.94430	11.361E-6
94.91055	27.05890	21.61000	0.17700	21.538	-0.013381	-0.92905	11.183E-6
97.47570	27.05890	21.61000	0.17438	21.538	-0.012835	-0.90488	10.899E-6
100.04085	27.05890	21.61000	0.17128	21.538	-0.012119	-0.87277	10.522E-6
102.60600	27.05890	21.61000	0.16771	21.538	-0.011272	-0.83405	10.067E-6
105.17115	27.05890	21.61000	0.16366	21.538	-0.010337	-0.79032	9.5522E-6
107.73630	27.05890	21.61000	0.15914	21.538	-0.0093590	-0.74324	8.9968E-6
110.30145	27.05890	21.61000	0.15417	21.538	-0.0083794	-0.69440	8.4194E-6
112.86660	27.05890	21.61000	0.14879	21.538	-0.0074311	-0.64521	7.8364E-6
115.43175	27.05890	21.61000	0.14306	21.538	-0.0065383	-0.59682	7.2613E-6
117.99690	27.05890	21.61000	0.13706	21.538	-0.0057163	-0.55008	6.7044E-6
120.56205	27.05890	21.61000	0.13088	21.538	-0.0049729	-0.50562	6.1731E-6

123.12720	27.05890	21.61000	0.12458	21.538	-0.0043100	-0.46382	5.6723E-6
125.69235	27.05890	21.61000	0.11826	21.538	-0.0037254	-0.42488	5.2045E-6
128.25750	27.05890	21.61000	0.11199	21.538	-0.0032143	-0.38889	4.7709E-6
130.82265	27.05890	21.61000	0.10582	21.538	-0.0027706	-0.35579	4.3713E-6
133.38780	27.05890	21.61000	0.099817	21.538	-0.0023872	-0.32550	4.0047E-6
135.95295	27.05890	21.61000	0.094012	21.538	-0.0020573	-0.29787	3.6695E-6
138.51810	27.05890	21.61000	0.088436	21.538	-0.0017741	-0.27272	3.3639E-6
141.08325	27.05890	21.61000	0.083112	21.538	-0.0015314	-0.24988	3.0857E-6
143.64840	27.05890	21.61000	0.078052	21.538	-0.0013236	-0.22915	2.8328E-6
146.21355	27.05890	21.61000	0.073263	21.538	-0.0011459	-0.21036	2.6031E-6
148.77870	27.05890	21.61000	0.068745	21.538	-993.67E-6	-0.19332	2.3945E-6
151.34385	27.05890	21.61000	0.064495	21.538	-863.34E-6	-0.17787	2.2051E-6
153.90900	27.05890	21.61000	0.060506	21.538	-751.62E-6	-0.16387	2.0331E-6 !
0.00000	29.51880	21.61000	0.046884	21.538	-351.05E-6	-0.11343	1.4138E-6
2.56515	29.51880	21.61000	0.049820	21.538	-395.08E-6	-0.12192	1.5189E-6
5.13030	29.51880	21.61000	0.052955	21.538	-445.30E-6	-0.13117	1.6334E-6
7.69545	29.51880	21.61000	0.056300	21.538	-502.62E-6	-0.14126	1.7581E-6
10.26060	29.51880	21.61000	0.059865	21.538	-568.08E-6	-0.15226	1.8941E-6
12.82575	29.51880	21.61000	0.063659	21.538	-642.86E-6	-0.16426	2.0422E-6
15.39090	29.51880	21.61000	0.067691	21.538	-728.28E-6	-0.17734	2.2035E-6
17.95605	29.51880	21.61000	0.071968	21.538	-825.75E-6	-0.19159	2.3791E-6
20.52120	29.51880	21.61000	0.076498	21.538	-936.80E-6	-0.20711	2.5701E-6
23.08635	29.51880	21.61000	0.081284	21.538	-0.0010630	-0.22396	2.7774E-6
25.65150	29.51880	21.61000	0.086330	21.538	-0.0012057	-0.24224	3.0019E-6
28.21665	29.51880	21.61000	0.091636	21.538	-0.0013663	-0.26200	3.2444E-6
30.78180	29.51880	21.61000	0.097201	21.538	-0.0015454	-0.28329	3.5055E-6
33.34695	29.51880	21.61000	0.10302	21.538	-0.0017433	-0.30613	3.7853E-6
35.91210	29.51880	21.61000	0.10909	21.538	-0.0019594	-0.33051	4.0839E-6
38.47725	29.51880	21.61000	0.11540	21.538	-0.0021931	-0.35643	4.4012E-6
41.04240	29.51880	21.61000	0.12192	21.538	-0.0024446	-0.38388	4.7370E-6
43.60755	29.51880	21.61000	0.12862	21.538	-0.0027175	-0.41292	5.0920E-6
46.17270	29.51880	21.61000	0.13544	21.538	-0.0030217	-0.44369	5.4676E-6
48.73785	29.51880	21.61000	0.14233	21.538	-0.0033760	-0.47645	5.8665E-6
51.30300	29.51880	21.61000	0.14917	21.538	-0.0038084	-0.51161	6.2923E-6
53.86815	29.51880	21.61000	0.15586	21.538	-0.0043518	-0.54957	6.7494E-6
56.43330	29.51880	21.61000	0.16228	21.538	-0.0050377	-0.59070	7.2410E-6
58.99845	29.51880	21.61000	0.16831	21.538	-0.0058895	-0.63521	7.7688E-6
61.56360	29.51880	21.61000	0.17386	21.538	-0.0069178	-0.68308	8.3321E-6
64.12875	29.51880	21.61000	0.17882	21.538	-0.0081185	-0.73401	8.9275E-6
66.69390	29.51880	21.61000	0.18313	21.538	-0.0094712	-0.78743	9.5485E-6
69.25905	29.51880	21.61000	0.18671	21.538	-0.010937	-0.84242	10.185E-6
71.82420	29.51880	21.61000	0.18955	21.538	-0.012460	-0.89775	10.824E-6
74.38935	29.51880	21.61000	0.19164	21.538	-0.013969	-0.95180	11.447E-6
76.95450	29.51880	21.61000	0.19298	21.538	-0.015388	-1.0027	12.034E-6
79.51965	29.51880	21.61000	0.19363	21.538	-0.016649	-1.0485	12.562E-6
82.08480	29.51880	21.61000	0.19363	21.538	-0.017691	-1.0871	13.009E-6
84.64995	29.51880	21.61000	0.19305	21.538	-0.018469	-1.1166	13.350E-6
87.21510	29.51880	21.61000	0.19195	21.538	-0.018949	-1.1353	13.567E-6

89.78025	29.51880	21.61000	0.19042	21.538	-0.019104	-1.1417	13.642E-6
92.34540	29.51880	21.61000	0.18849	21.538	-0.018921	-1.1352	13.567E-6
94.91055	29.51880	21.61000	0.18620	21.538	-0.018404	-1.1157	13.341E-6
97.47570	29.51880	21.61000	0.18355	21.538	-0.017578	-1.0839	12.972E-6
100.04085	29.51880	21.61000	0.18051	21.538	-0.016488	-1.0412	12.476E-6
102.60600	29.51880	21.61000	0.17703	21.538	-0.015201	-0.98974	11.877E-6
105.17115	29.51880	21.61000	0.17307	21.538	-0.013791	-0.93188	11.203E-6
107.73630	29.51880	21.61000	0.16858	21.538	-0.012335	-0.87011	10.481E-6
110.30145	29.51880	21.61000	0.16355	21.538	-0.010900	-0.80673	9.7374E-6
112.86660	29.51880	21.61000	0.15802	21.538	-0.0095356	-0.74368	8.9957E-6
115.43175	29.51880	21.61000	0.15204	21.538	-0.0082761	-0.68247	8.2733E-6
117.99690	29.51880	21.61000	0.14569	21.538	-0.0071390	-0.62416	7.5827E-6
120.56205	29.51880	21.61000	0.13907	21.538	-0.0061302	-0.56942	6.9321E-6
123.12720	29.51880	21.61000	0.13230	21.538	-0.0052472	-0.51861	6.3262E-6
125.69235	29.51880	21.61000	0.12546	21.538	-0.0044821	-0.47186	5.7669E-6
128.25750	29.51880	21.61000	0.11866	21.538	-0.0038243	-0.42912	5.2541E-6
130.82265	29.51880	21.61000	0.11196	21.538	-0.0032619	-0.39025	4.7863E-6
133.38780	29.51880	21.61000	0.10544	21.538	-0.0027830	-0.35502	4.3612E-6
135.95295	29.51880	21.61000	0.099138	21.538	-0.0023764	-0.32319	3.9760E-6
138.51810	29.51880	21.61000	0.093094	21.538	-0.0020318	-0.29446	3.6277E-6
141.08325	29.51880	21.61000	0.087332	21.538	-0.0017398	-0.26857	3.3130E-6
143.64840	29.51880	21.61000	0.081867	21.538	-0.0014927	-0.24526	3.0291E-6
146.21355	29.51880	21.61000	0.076705	21.538	-0.0012832	-0.22426	2.7728E-6
148.77870	29.51880	21.61000	0.071848	21.538	-0.0011057	-0.20535	2.5416E-6
151.34385	29.51880	21.61000	0.067290	21.538	-954.92E-6	-0.18830	2.3329E-6
153.90900	29.51880	21.61000	0.063023	21.538	-826.73E-6	-0.17293	2.1443E-6 !
0.00000	31.97870	21.61000	0.048607	21.538	-379.30E-6	-0.11856	1.4772E-6
2.56515	31.97870	21.61000	0.051724	21.538	-428.43E-6	-0.12771	1.5904E-6
5.13030	31.97870	21.61000	0.055060	21.538	-484.74E-6	-0.13772	1.7142E-6
7.69545	31.97870	21.61000	0.058627	21.538	-549.35E-6	-0.14868	1.8497E-6
10.26060	31.97870	21.61000	0.062436	21.538	-623.55E-6	-0.16068	1.9979E-6
12.82575	31.97870	21.61000	0.066499	21.538	-708.80E-6	-0.17383	2.1600E-6
15.39090	31.97870	21.61000	0.070826	21.538	-806.74E-6	-0.18822	2.3374E-6
17.95605	31.97870	21.61000	0.075428	21.538	-919.18E-6	-0.20398	2.5315E-6
20.52120	31.97870	21.61000	0.080311	21.538	-0.0010480	-0.22122	2.7434E-6
23.08635	31.97870	21.61000	0.085482	21.538	-0.0011952	-0.24004	2.9747E-6
25.65150	31.97870	21.61000	0.090946	21.538	-0.0013624	-0.26055	3.2264E-6
28.21665	31.97870	21.61000	0.096706	21.538	-0.0015507	-0.28283	3.4995E-6
30.78180	31.97870	21.61000	0.10276	21.538	-0.0017602	-0.30691	3.7945E-6
33.34695	31.97870	21.61000	0.10912	21.538	-0.0019893	-0.33281	4.1117E-6
35.91210	31.97870	21.61000	0.11577	21.538	-0.0022340	-0.36049	4.4507E-6
38.47725	31.97870	21.61000	0.12272	21.538	-0.0024883	-0.38985	4.8105E-6
41.04240	31.97870	21.61000	0.12994	21.538	-0.0027455	-0.42083	5.1905E-6
43.60755	31.97870	21.61000	0.13741	21.538	-0.0030033	-0.45342	5.5908E-6
46.17270	31.97870	21.61000	0.14507	21.538	-0.0032718	-0.48780	6.0131E-6
48.73785	31.97870	21.61000	0.15281	21.538	-0.0035822	-0.52442	6.4621E-6
51.30300	31.97870	21.61000	0.16051	21.538	-0.0039896	-0.56403	6.9450E-6
53.86815	31.97870	21.61000	0.16800	21.538	-0.0045647	-0.60752	7.4705E-6

56.43330	31.97870	21.61000	0.17510	21.538	-0.0053761	-0.65571	8.0461E-6
58.99845	31.97870	21.61000	0.18166	21.538	-0.0064750	-0.70914	8.6767E-6
61.56360	31.97870	21.61000	0.18753	21.538	-0.0078874	-0.76797	9.3635E-6
64.12875	31.97870	21.61000	0.19261	21.538	-0.0096146	-0.83198	10.104E-6
66.69390	31.97870	21.61000	0.19680	21.538	-0.011631	-0.90056	10.890E-6
69.25905	31.97870	21.61000	0.20003	21.538	-0.013880	-0.97261	11.712E-6
71.82420	31.97870	21.61000	0.20228	21.538	-0.016267	-1.0465	12.551E-6
74.38935	31.97870	21.61000	0.20359	21.538	-0.018667	-1.1199	13.384E-6
76.95450	31.97870	21.61000	0.20403	21.538	-0.020943	-1.1902	14.183E-6
79.51965	31.97870	21.61000	0.20369	21.538	-0.022972	-1.2544	14.914E-6
82.08480	31.97870	21.61000	0.20270	21.538	-0.024661	-1.3095	15.543E-6
84.64995	31.97870	21.61000	0.20120	21.538	-0.025941	-1.3525	16.036E-6
87.21510	31.97870	21.61000	0.19931	21.538	-0.026756	-1.3808	16.361E-6
89.78025	31.97870	21.61000	0.19718	21.538	-0.027059	-1.3922	16.493E-6
92.34540	31.97870	21.61000	0.19492	21.538	-0.026818	-1.3853	16.415E-6
94.91055	31.97870	21.61000	0.19256	21.538	-0.026034	-1.3600	16.126E-6
97.47570	31.97870	21.61000	0.19010	21.538	-0.024743	-1.3171	15.636E-6
100.04085	31.97870	21.61000	0.18744	21.538	-0.023024	-1.2591	14.971E-6
102.60600	31.97870	21.61000	0.18446	21.538	-0.020995	-1.1891	14.166E-6
105.17115	31.97870	21.61000	0.18101	21.538	-0.018794	-1.1108	13.265E-6
107.73630	31.97870	21.61000	0.17695	21.538	-0.016557	-1.0282	12.310E-6
110.30145	31.97870	21.61000	0.17223	21.538	-0.014397	-0.94453	11.339E-6
112.86660	31.97870	21.61000	0.16682	21.538	-0.012390	-0.86262	10.384E-6
115.43175	31.97870	21.61000	0.16079	21.538	-0.010582	-0.78437	9.4681E-6
117.99690	31.97870	21.61000	0.15424	21.538	-0.0089869	-0.71101	8.6054E-6
120.56205	31.97870	21.61000	0.14730	21.538	-0.0076036	-0.64319	7.8044E-6
123.12720	31.97870	21.61000	0.14011	21.538	-0.0064181	-0.58114	7.0686E-6
125.69235	31.97870	21.61000	0.13279	21.538	-0.0054110	-0.52482	6.3981E-6
128.25750	31.97870	21.61000	0.12546	21.538	-0.0045608	-0.47398	5.7906E-6
130.82265	31.97870	21.61000	0.11824	21.538	-0.0038461	-0.42826	5.2425E-6
133.38780	31.97870	21.61000	0.11118	21.538	-0.0032470	-0.38728	4.7495E-6
135.95295	31.97870	21.61000	0.10437	21.538	-0.0027456	-0.35060	4.3070E-6
138.51810	31.97870	21.61000	0.097845	21.538	-0.0023262	-0.31780	3.9102E-6
141.08325	31.97870	21.61000	0.091629	21.538	-0.0019754	-0.28850	3.5548E-6
143.64840	31.97870	21.61000	0.085744	21.538	-0.0016816	-0.26230	3.2363E-6
146.21355	31.97870	21.61000	0.080197	21.538	-0.0014354	-0.23888	2.9509E-6
148.77870	31.97870	21.61000	0.074988	21.538	-0.0012286	-0.21792	2.6950E-6
151.34385	31.97870	21.61000	0.070112	21.538	-0.0010545	-0.19914	2.4654E-6
153.90900	31.97870	21.61000	0.065557	21.538	-907.81E-6	-0.18230	2.2591E-6 !
0.00000	34.43860	21.61000	0.050346	21.538	-409.58E-6	-0.12383	1.5423E-6
2.56515	34.43860	21.61000	0.053650	21.538	-464.37E-6	-0.13368	1.6642E-6
5.13030	34.43860	21.61000	0.057194	21.538	-527.50E-6	-0.14451	1.7980E-6
7.69545	34.43860	21.61000	0.060990	21.538	-600.33E-6	-0.15641	1.9450E-6
10.26060	34.43860	21.61000	0.065054	21.538	-684.45E-6	-0.16949	2.1064E-6
12.82575	34.43860	21.61000	0.069397	21.538	-781.69E-6	-0.18389	2.2839E-6
15.39090	34.43860	21.61000	0.074033	21.538	-894.11E-6	-0.19973	2.4789E-6
17.95605	34.43860	21.61000	0.078973	21.538	-0.0010240	-0.21717	2.6934E-6
20.52120	34.43860	21.61000	0.084227	21.538	-0.0011739	-0.23634	2.9288E-6

23.08635	34.43860	21.61000	0.089801	21.538	-0.0013461	-0.25738	3.1871E-6
25.65150	34.43860	21.61000	0.095703	21.538	-0.0015426	-0.28044	3.4697E-6
28.21665	34.43860	21.61000	0.10194	21.538	-0.0017645	-0.30560	3.7779E-6
30.78180	34.43860	21.61000	0.10851	21.538	-0.0020103	-0.33292	4.1123E-6
33.34695	34.43860	21.61000	0.11543	21.538	-0.0022748	-0.36237	4.4729E-6
35.91210	34.43860	21.61000	0.12271	21.538	-0.0025465	-0.39383	4.8583E-6
38.47725	34.43860	21.61000	0.13035	21.538	-0.0028058	-0.42705	5.2665E-6
41.04240	34.43860	21.61000	0.13837	21.538	-0.0030258	-0.46174	5.6946E-6
43.60755	34.43860	21.61000	0.14674	21.538	-0.0031811	-0.49769	6.1410E-6
46.17270	34.43860	21.61000	0.15541	21.538	-0.0032683	-0.53501	6.6072E-6
48.73785	34.43860	21.61000	0.16425	21.538	-0.0033349	-0.57442	7.1004E-6
51.30300	34.43860	21.61000	0.17304	21.538	-0.0034969	-0.61735	7.6344E-6
53.86815	34.43860	21.61000	0.18153	21.538	-0.0039181	-0.66567	8.2263E-6
56.43330	34.43860	21.61000	0.18944	21.538	-0.0047570	-0.72110	8.8920E-6
58.99845	34.43860	21.61000	0.19654	21.538	-0.0061224	-0.78481	9.6419E-6
61.56360	34.43860	21.61000	0.20264	21.538	-0.0080670	-0.85725	10.480E-6
64.12875	34.43860	21.61000	0.20760	21.538	-0.010602	-0.93833	11.404E-6
66.69390	34.43860	21.61000	0.21130	21.538	-0.013704	-1.0275	12.409E-6
69.25905	34.43860	21.61000	0.21366	21.538	-0.017294	-1.1235	13.481E-6
71.82420	34.43860	21.61000	0.21468	21.538	-0.021213	-1.2242	14.600E-6
74.38935	34.43860	21.61000	0.21445	21.538	-0.025222	-1.3264	15.734E-6
76.95450	34.43860	21.61000	0.21315	21.538	-0.029052	-1.4259	16.842E-6
79.51965	34.43860	21.61000	0.21099	21.538	-0.032472	-1.5183	17.874E-6
82.08480	34.43860	21.61000	0.20820	21.538	-0.035337	-1.5990	18.782E-6
84.64995	34.43860	21.61000	0.20504	21.538	-0.037550	-1.6636	19.511E-6
87.21510	34.43860	21.61000	0.20177	21.538	-0.039021	-1.7078	20.012E-6
89.78025	34.43860	21.61000	0.19868	21.538	-0.039651	-1.7280	20.241E-6
92.34540	34.43860	21.61000	0.19595	21.538	-0.039367	-1.7215	20.172E-6
94.91055	34.43860	21.61000	0.19367	21.538	-0.038148	-1.6880	19.795E-6
97.47570	34.43860	21.61000	0.19179	21.538	-0.036049	-1.6288	19.130E-6
100.04085	34.43860	21.61000	0.19012	21.538	-0.033213	-1.5475	18.215E-6
102.60600	34.43860	21.61000	0.18837	21.538	-0.029865	-1.4495	17.108E-6
105.17115	34.43860	21.61000	0.18619	21.538	-0.026276	-1.3409	15.877E-6
107.73630	34.43860	21.61000	0.18330	21.538	-0.022704	-1.2278	14.588E-6
110.30145	34.43860	21.61000	0.17949	21.538	-0.019346	-1.1153	13.300E-6
112.86660	34.43860	21.61000	0.17470	21.538	-0.016320	-1.0073	12.056E-6
115.43175	34.43860	21.61000	0.16899	21.538	-0.013672	-0.90610	10.883E-6
117.99690	34.43860	21.61000	0.16249	21.538	-0.011404	-0.81303	9.7976E-6
120.56205	34.43860	21.61000	0.15540	21.538	-0.0094871	-0.72850	8.8066E-6
123.12720	34.43860	21.61000	0.14788	21.538	-0.0078838	-0.65244	7.9102E-6
125.69235	34.43860	21.61000	0.14014	21.538	-0.0065514	-0.58441	7.1047E-6
128.25750	34.43860	21.61000	0.13233	21.538	-0.0054490	-0.52384	6.3843E-6
130.82265	34.43860	21.61000	0.12459	21.538	-0.0045392	-0.47006	5.7421E-6
133.38780	34.43860	21.61000	0.11701	21.538	-0.0037892	-0.42238	5.1706E-6
135.95295	34.43860	21.61000	0.10968	21.538	-0.0031710	-0.38015	4.6627E-6
138.51810	34.43860	21.61000	0.10266	21.538	-0.0026612	-0.34275	4.2114E-6
141.08325	34.43860	21.61000	0.095976	21.538	-0.0022402	-0.30962	3.8105E-6
143.64840	34.43860	21.61000	0.089659	21.538	-0.0018918	-0.28024	3.4540E-6

146.21355	34.43860	21.61000	0.083716	21.538	-0.0016028	-0.25415	3.1368E-6
148.77870	34.43860	21.61000	0.078146	21.538	-0.0013626	-0.23097	2.8542E-6
151.34385	34.43860	21.61000	0.072943	21.538	-0.0011623	-0.21033	2.6021E-6
153.90900	34.43860	21.61000	0.068094	21.538	-994.80E-6	-0.19192	2.3769E-6 !
0.00000	36.89850	21.61000	0.052093	21.538	-441.96E-6	-0.12923	1.6090E-6
2.56515	36.89850	21.61000	0.055590	21.538	-503.03E-6	-0.13983	1.7402E-6
5.13030	36.89850	21.61000	0.059347	21.538	-573.76E-6	-0.15153	1.8846E-6
7.69545	36.89850	21.61000	0.063381	21.538	-655.84E-6	-0.16443	2.0438E-6
10.26060	36.89850	21.61000	0.067708	21.538	-751.22E-6	-0.17869	2.2196E-6
12.82575	36.89850	21.61000	0.072342	21.538	-862.18E-6	-0.19445	2.4137E-6
15.39090	36.89850	21.61000	0.077298	21.538	-991.38E-6	-0.21188	2.6281E-6
17.95605	36.89850	21.61000	0.082589	21.538	-0.0011418	-0.23117	2.8651E-6
20.52120	36.89850	21.61000	0.088227	21.538	-0.0013165	-0.25250	3.1268E-6
23.08635	36.89850	21.61000	0.094220	21.538	-0.0015188	-0.27606	3.4156E-6
25.65150	36.89850	21.61000	0.10058	21.538	-0.0017512	-0.30203	3.7335E-6
28.21665	36.89850	21.61000	0.10730	21.538	-0.0020143	-0.33054	4.0822E-6
30.78180	36.89850	21.61000	0.11441	21.538	-0.0023047	-0.36164	4.4625E-6
33.34695	36.89850	21.61000	0.12191	21.538	-0.0026108	-0.39527	4.8740E-6
35.91210	36.89850	21.61000	0.12984	21.538	-0.0029057	-0.43114	5.3141E-6
38.47725	36.89850	21.61000	0.13824	21.538	-0.0031392	-0.46869	5.7777E-6
41.04240	36.89850	21.61000	0.14715	21.538	-0.0032301	-0.50712	6.2578E-6
43.60755	36.89850	21.61000	0.15661	21.538	-0.0030752	-0.54559	6.7476E-6
46.17270	36.89850	21.61000	0.16660	21.538	-0.0025979	-0.58376	7.2457E-6
48.73785	36.89850	21.61000	0.17694	21.538	-0.0018473	-0.62260	7.7627E-6
51.30300	36.89850	21.61000	0.18728	21.538	-0.0010871	-0.66495	8.3241E-6
53.86815	36.89850	21.61000	0.19717	21.538	-747.64E-6	-0.71487	8.9650E-6
56.43330	36.89850	21.61000	0.20613	21.538	-0.0012318	-0.77615	9.7176E-6
58.99845	36.89850	21.61000	0.21381	21.538	-0.0027666	-0.85100	10.601E-6
61.56360	36.89850	21.61000	0.21999	21.538	-0.0054252	-0.94016	11.623E-6
64.12875	36.89850	21.61000	0.22448	21.538	-0.0092262	-1.0436	12.781E-6
66.69390	36.89850	21.61000	0.22710	21.538	-0.014174	-1.1612	14.073E-6
69.25905	36.89850	21.61000	0.22773	21.538	-0.020196	-1.2917	15.488E-6
71.82420	36.89850	21.61000	0.22639	21.538	-0.027034	-1.4328	17.004E-6
74.38935	36.89850	21.61000	0.22329	21.538	-0.034193	-1.5793	18.577E-6
76.95450	36.89850	21.61000	0.21881	21.538	-0.041062	-1.7246	20.146E-6
79.51965	36.89850	21.61000	0.21337	21.538	-0.047167	-1.8616	21.639E-6
82.08480	36.89850	21.61000	0.20739	21.538	-0.052306	-1.9837	22.981E-6
84.64995	36.89850	21.61000	0.20129	21.538	-0.056399	-2.0842	24.091E-6
87.21510	36.89850	21.61000	0.19559	21.538	-0.059281	-2.1559	24.884E-6
89.78025	36.89850	21.61000	0.19083	21.538	-0.060704	-2.1921	25.286E-6
92.34540	36.89850	21.61000	0.18739	21.538	-0.060477	-2.1883	25.247E-6
94.91055	36.89850	21.61000	0.18544	21.538	-0.058531	-2.1430	24.750E-6
97.47570	36.89850	21.61000	0.18488	21.538	-0.054946	-2.0585	23.823E-6
100.04085	36.89850	21.61000	0.18532	21.538	-0.049985	-1.9407	22.527E-6
102.60600	36.89850	21.61000	0.18614	21.538	-0.044113	-1.7985	20.961E-6
105.17115	36.89850	21.61000	0.18664	21.538	-0.037914	-1.6428	19.236E-6
107.73630	36.89850	21.61000	0.18617	21.538	-0.031925	-1.4836	17.460E-6
110.30145	36.89850	21.61000	0.18432	21.538	-0.026504	-1.3291	15.720E-6

112.86660	36.89850	21.61000	0.18096	21.538	-0.021809	-1.1843	14.076E-6
115.43175	36.89850	21.61000	0.17615	21.538	-0.017856	-1.0520	12.561E-6
117.99690	36.89850	21.61000	0.17012	21.538	-0.014583	-0.93300	11.187E-6
120.56205	36.89850	21.61000	0.16313	21.538	-0.011902	-0.82711	9.9560E-6
123.12720	36.89850	21.61000	0.15547	21.538	-0.0097196	-0.73355	8.8614E-6
125.69235	36.89850	21.61000	0.14742	21.538	-0.0079500	-0.65126	7.8929E-6
128.25750	36.89850	21.61000	0.13918	21.538	-0.0065176	-0.57906	7.0387E-6
130.82265	36.89850	21.61000	0.13094	21.538	-0.0053585	-0.51580	6.2866E-6
133.38780	36.89850	21.61000	0.12285	21.538	-0.0044200	-0.46039	5.6249E-6
135.95295	36.89850	21.61000	0.11501	21.538	-0.0036588	-0.41184	5.0429E-6
138.51810	36.89850	21.61000	0.10749	21.538	-0.0030402	-0.36927	4.5307E-6
141.08325	36.89850	21.61000	0.10034	21.538	-0.0025361	-0.33188	4.0794E-6
143.64840	36.89850	21.61000	0.093583	21.538	-0.0021240	-0.29900	3.6813E-6
146.21355	36.89850	21.61000	0.087236	21.538	-0.0017860	-0.27003	3.3296E-6
148.77870	36.89850	21.61000	0.081299	21.538	-0.0015078	-0.24445	3.0183E-6
151.34385	36.89850	21.61000	0.075764	21.538	-0.0012780	-0.22181	2.7422E-6
153.90900	36.89850	21.61000	0.070616	21.538	-0.0010875	-0.20174	2.4969E-6 !
0.00000	39.35840	21.61000	0.053840	21.538	-476.50E-6	-0.13474	1.6771E-6
2.56515	39.35840	21.61000	0.057533	21.538	-544.51E-6	-0.14614	1.8179E-6
5.13030	39.35840	21.61000	0.061510	21.538	-623.71E-6	-0.15876	1.9736E-6
7.69545	39.35840	21.61000	0.065787	21.538	-716.17E-6	-0.17274	2.1461E-6
10.26060	39.35840	21.61000	0.070384	21.538	-824.30E-6	-0.18826	2.3372E-6
12.82575	39.35840	21.61000	0.075317	21.538	-950.98E-6	-0.20550	2.5493E-6
15.39090	39.35840	21.61000	0.080603	21.538	-0.0010996	-0.22467	2.7849E-6
17.95605	39.35840	21.61000	0.086256	21.538	-0.0012739	-0.24601	3.0467E-6
20.52120	39.35840	21.61000	0.092288	21.538	-0.0014783	-0.26975	3.3377E-6
23.08635	39.35840	21.61000	0.098710	21.538	-0.0017170	-0.29616	3.6609E-6
25.65150	39.35840	21.61000	0.10553	21.538	-0.0019936	-0.32547	4.0192E-6
28.21665	39.35840	21.61000	0.11275	21.538	-0.0023088	-0.35787	4.4150E-6
30.78180	39.35840	21.61000	0.12039	21.538	-0.0026566	-0.39346	4.8495E-6
33.34695	39.35840	21.61000	0.12848	21.538	-0.0030152	-0.43209	5.3219E-6
35.91210	39.35840	21.61000	0.13707	21.538	-0.0033309	-0.47324	5.8277E-6
38.47725	39.35840	21.61000	0.14624	21.538	-0.0034883	-0.51579	6.3570E-6
41.04240	39.35840	21.61000	0.15616	21.538	-0.0032689	-0.55783	6.8942E-6
43.60755	39.35840	21.61000	0.16697	21.538	-0.0023239	-0.59680	7.4201E-6
46.17270	39.35840	21.61000	0.17880	21.538	-256.36E-6	-0.63057	7.9230E-6
48.73785	39.35840	21.61000	0.19146	21.538	0.0030433	-0.65980	8.4152E-6
51.30300	39.35840	21.61000	0.20435	21.538	0.0069249	-0.69031	8.9455E-6
53.86815	39.35840	21.61000	0.21650	21.538	0.010040	-0.73196	9.5871E-6
56.43330	39.35840	21.61000	0.22703	21.538	0.011200	-0.79350	10.405E-6
58.99845	39.35840	21.61000	0.23543	21.538	0.0099778	-0.87884	11.433E-6
61.56360	39.35840	21.61000	0.24146	21.538	0.0064370	-0.98817	12.674E-6
64.12875	39.35840	21.61000	0.24492	21.538	624.36E-6	-1.1211	14.127E-6
66.69390	39.35840	21.61000	0.24555	21.538	-0.0076065	-1.2783	15.794E-6
69.25905	39.35840	21.61000	0.24304	21.538	-0.018374	-1.4603	17.677E-6
71.82420	39.35840	21.61000	0.23739	21.538	-0.031332	-1.6648	19.760E-6
74.38935	39.35840	21.61000	0.22904	21.538	-0.045366	-1.8838	21.986E-6
76.95450	39.35840	21.61000	0.21882	21.538	-0.058831	-2.1048	24.258E-6

79.51965	39.35840	21.61000	0.20758	21.538	-0.070547	-2.3156	26.468E-6
82.08480	39.35840	21.61000	0.19594	21.538	-0.080446	-2.5072	28.505E-6
84.64995	39.35840	21.61000	0.18457	21.538	-0.088774	-2.6705	30.245E-6
87.21510	39.35840	21.61000	0.17445	21.538	-0.095103	-2.7926	31.542E-6
89.78025	39.35840	21.61000	0.16669	21.538	-0.098628	-2.8600	32.256E-6
92.34540	39.35840	21.61000	0.16207	21.538	-0.098850	-2.8637	32.295E-6
94.91055	39.35840	21.61000	0.16091	21.538	-0.095641	-2.8011	31.628E-6
97.47570	39.35840	21.61000	0.16301	21.538	-0.089108	-2.6755	30.296E-6
100.04085	39.35840	21.61000	0.16763	21.538	-0.079721	-2.4969	28.402E-6
102.60600	39.35840	21.61000	0.17355	21.538	-0.068524	-2.2813	26.113E-6
105.17115	39.35840	21.61000	0.17926	21.538	-0.056953	-2.0486	23.623E-6
107.73630	39.35840	21.61000	0.18346	21.538	-0.046261	-1.8172	21.115E-6
110.30145	39.35840	21.61000	0.18535	21.538	-0.037100	-1.5996	18.723E-6
112.86660	39.35840	21.61000	0.18470	21.538	-0.029589	-1.4022	16.524E-6
115.43175	39.35840	21.61000	0.18169	21.538	-0.023564	-1.2272	14.549E-6
117.99690	39.35840	21.61000	0.17672	21.538	-0.018781	-1.0740	12.802E-6
120.56205	39.35840	21.61000	0.17024	21.538	-0.015001	-0.94080	11.269E-6
123.12720	39.35840	21.61000	0.16269	21.538	-0.012016	-0.82551	9.9316E-6
125.69235	39.35840	21.61000	0.15447	21.538	-0.0096604	-0.72590	8.7673E-6
128.25750	39.35840	21.61000	0.14590	21.538	-0.0077978	-0.63988	7.7555E-6
130.82265	39.35840	21.61000	0.13723	21.538	-0.0063221	-0.56556	6.8763E-6
133.38780	39.35840	21.61000	0.12865	21.538	-0.0051495	-0.50128	6.1119E-6
135.95295	39.35840	21.61000	0.12031	21.538	-0.0042145	-0.44560	5.4466E-6
138.51810	39.35840	21.61000	0.11230	21.538	-0.0034660	-0.39725	4.8667E-6
141.08325	39.35840	21.61000	0.10468	21.538	-0.0028644	-0.35518	4.3602E-6
143.64840	39.35840	21.61000	0.097481	21.538	-0.0023787	-0.31849	3.9169E-6
146.21355	39.35840	21.61000	0.090729	21.538	-0.0019848	-0.28640	3.5281E-6
148.77870	39.35840	21.61000	0.084423	21.538	-0.0016640	-0.25826	3.1862E-6
151.34385	39.35840	21.61000	0.078553	21.538	-0.0014014	-0.23352	2.8848E-6
153.90900	39.35840	21.61000	0.073106	21.538	-0.0011855	-0.21170	2.6185E-6 !
0.00000	41.81830	21.61000	0.055577	21.538	-513.24E-6	-0.14035	1.7463E-6
2.56515	41.81830	21.61000	0.059470	21.538	-588.89E-6	-0.15258	1.8973E-6
5.13030	41.81830	21.61000	0.063669	21.538	-677.50E-6	-0.16617	2.0649E-6
7.69545	41.81830	21.61000	0.068195	21.538	-781.59E-6	-0.18130	2.2513E-6
10.26060	41.81830	21.61000	0.073067	21.538	-904.13E-6	-0.19817	2.4589E-6
12.82575	41.81830	21.61000	0.078306	21.538	-0.0010487	-0.21701	2.6905E-6
15.39090	41.81830	21.61000	0.083928	21.538	-0.0012197	-0.23808	2.9491E-6
17.95605	41.81830	21.61000	0.089950	21.538	-0.0014222	-0.26168	3.2383E-6
20.52120	41.81830	21.61000	0.096384	21.538	-0.0016618	-0.28811	3.5618E-6
23.08635	41.81830	21.61000	0.10324	21.538	-0.0019448	-0.31773	3.9237E-6
25.65150	41.81830	21.61000	0.11052	21.538	-0.0022765	-0.35088	4.3282E-6
28.21665	41.81830	21.61000	0.11823	21.538	-0.0026590	-0.38784	4.7788E-6
30.78180	41.81830	21.61000	0.12639	21.538	-0.0030840	-0.42879	5.2779E-6
33.34695	41.81830	21.61000	0.13503	21.538	-0.0035175	-0.47355	5.8246E-6
35.91210	41.81830	21.61000	0.14422	21.538	-0.0038633	-0.52132	6.4124E-6
38.47725	41.81830	21.61000	0.15415	21.538	-0.0038835	-0.57004	7.0246E-6
41.04240	41.81830	21.61000	0.16514	21.538	-0.0030382	-0.61562	7.6299E-6
43.60755	41.81830	21.61000	0.17767	21.538	-236.10E-6	-0.65126	8.1841E-6

46.17270	41.81830	21.61000	0.19228	21.538	0.0062633	-0.66866	8.6482E-6
48.73785	41.81830	21.61000	0.20905	21.538	0.017873	-0.66441	9.0329E-6
51.30300	41.81830	21.61000	0.22682	21.538	0.032985	-0.65073	9.4311E-6
53.86815	41.81830	21.61000	0.24332	21.538	0.046268	-0.65520	9.9887E-6
56.43330	41.81830	21.61000	0.25659	21.538	0.053435	-0.70079	10.833E-6
58.99845	41.81830	21.61000	0.26595	21.538	0.054167	-0.79258	12.015E-6
61.56360	41.81830	21.61000	0.27150	21.538	0.049773	-0.92564	13.523E-6
64.12875	41.81830	21.61000	0.27319	21.538	0.040794	-1.0968	15.338E-6
66.69390	41.81830	21.61000	0.27047	21.538	0.026445	-1.3097	17.474E-6
69.25905	41.81830	21.61000	0.26253	21.538	0.0054826	-1.5710	19.971E-6
71.82420	41.81830	21.61000	0.24905	21.538	-0.022092	-1.8822	22.845E-6
74.38935	41.81830	21.61000	0.23089	21.538	-0.053662	-2.2300	26.029E-6
76.95450	41.81830	21.61000	0.21014	21.538	-0.083753	-2.5859	29.370E-6
79.51965	41.81830	21.61000	0.18865	21.538	-0.10834	-2.9245	32.701E-6
82.08480	41.81830	21.61000	0.16702	21.538	-0.12914	-3.2385	35.866E-6
84.64995	41.81830	21.61000	0.14588	21.538	-0.14873	-3.5201	38.671E-6
87.21510	41.81830	21.61000	0.12733	21.538	-0.16506	-3.7424	40.850E-6
89.78025	41.81830	21.61000	0.11392	21.538	-0.17470	-3.8734	42.135E-6
92.34540	41.81830	21.61000	0.10719	21.538	-0.17662	-3.8960	42.346E-6
94.91055	41.81830	21.61000	0.10760	21.538	-0.17109	-3.8069	41.434E-6
97.47570	41.81830	21.61000	0.11483	21.538	-0.15816	-3.6112	39.460E-6
100.04085	41.81830	21.61000	0.12763	21.538	-0.13839	-3.3244	36.599E-6
102.60600	41.81830	21.61000	0.14353	21.538	-0.11432	-2.9772	33.139E-6
105.17115	41.81830	21.61000	0.15928	21.538	-0.090222	-2.6105	29.435E-6
107.73630	41.81830	21.61000	0.17215	21.538	-0.069483	-2.2597	25.805E-6
110.30145	41.81830	21.61000	0.18071	21.538	-0.053150	-1.9447	22.459E-6
112.86660	41.81830	21.61000	0.18479	21.538	-0.040743	-1.6712	19.486E-6
115.43175	41.81830	21.61000	0.18491	21.538	-0.031394	-1.4375	16.899E-6
117.99690	41.81830	21.61000	0.18185	21.538	-0.024332	-1.2392	14.671E-6
120.56205	41.81830	21.61000	0.17642	21.538	-0.018971	-1.0713	12.761E-6
123.12720	41.81830	21.61000	0.16932	21.538	-0.014879	-0.92917	11.128E-6
125.69235	41.81830	21.61000	0.16115	21.538	-0.011741	-0.80871	9.7305E-6
128.25750	41.81830	21.61000	0.15238	21.538	-0.0093220	-0.70641	8.5349E-6
130.82265	41.81830	21.61000	0.14336	21.538	-0.0074473	-0.61931	7.5099E-6
133.38780	41.81830	21.61000	0.13434	21.538	-0.0059866	-0.54495	6.6296E-6
135.95295	41.81830	21.61000	0.12553	21.538	-0.0048421	-0.48126	5.8716E-6
138.51810	41.81830	21.61000	0.11704	21.538	-0.0039402	-0.42655	5.2173E-6
141.08325	41.81830	21.61000	0.10895	21.538	-0.0032254	-0.37937	4.6509E-6
143.64840	41.81830	21.61000	0.10132	21.538	-0.0026555	-0.33857	4.1590E-6
146.21355	41.81830	21.61000	0.094164	21.538	-0.0021986	-0.30315	3.7307E-6
148.77870	41.81830	21.61000	0.087490	21.538	-0.0018302	-0.27230	3.3565E-6
151.34385	41.81830	21.61000	0.081288	21.538	-0.0015316	-0.24534	3.0287E-6
153.90900	41.81830	21.61000	0.075541	21.538	-0.0012881	-0.22171	2.7405E-6 !
0.00000	44.27820	21.61000	0.057295	21.538	-552.18E-6	-0.14603	1.8162E-6
2.56515	44.27820	21.61000	0.061388	21.538	-636.22E-6	-0.15913	1.9778E-6
5.13030	44.27820	21.61000	0.065812	21.538	-735.26E-6	-0.17374	2.1580E-6
7.69545	44.27820	21.61000	0.070589	21.538	-852.32E-6	-0.19009	2.3592E-6
10.26060	44.27820	21.61000	0.075740	21.538	-991.10E-6	-0.20840	2.5843E-6

12.82575	44.27820	21.61000	0.081288	21.538	-0.0011561	-0.22896	2.8367E-6
15.39090	44.27820	21.61000	0.087251	21.538	-0.0013529	-0.25209	3.1203E-6
17.95605	44.27820	21.61000	0.093646	21.538	-0.0015881	-0.27816	3.4393E-6
20.52120	44.27820	21.61000	0.10048	21.538	-0.0018696	-0.30758	3.7988E-6
23.08635	44.27820	21.61000	0.10777	21.538	-0.0022064	-0.34081	4.2042E-6
25.65150	44.27820	21.61000	0.11550	21.538	-0.0026072	-0.37835	4.6613E-6
28.21665	44.27820	21.61000	0.12368	21.538	-0.0030777	-0.42066	5.1759E-6
30.78180	44.27820	21.61000	0.13231	21.538	-0.0036109	-0.46808	5.7523E-6
33.34695	44.27820	21.61000	0.14141	21.538	-0.0041626	-0.52053	6.3913E-6
35.91210	44.27820	21.61000	0.15109	21.538	-0.0045850	-0.57698	7.0854E-6
38.47725	44.27820	21.61000	0.16162	21.538	-0.0044460	-0.63422	7.8107E-6
41.04240	44.27820	21.61000	0.17359	21.538	-0.0025498	-0.68448	8.5146E-6
43.60755	44.27820	21.61000	0.18817	21.538	0.0042477	-0.71148	9.1108E-6
46.17270	44.27820	21.61000	0.20721	21.538	0.023150	-0.68742	9.5216E-6
48.73785	44.27820	21.61000	0.23222	21.538	0.064788	-0.58530	9.8083E-6
51.30300	44.27820	21.61000	0.26122	21.538	0.12743	-0.42711	10.182E-6
53.86815	44.27820	21.61000	0.28759	21.538	0.18291	-0.30624	10.756E-6
56.43330	44.27820	21.61000	0.30618	21.538	0.21164	-0.29296	11.673E-6
58.99845	44.27820	21.61000	0.31690	21.538	0.21924	-0.38162	13.075E-6
61.56360	44.27820	21.61000	0.32143	21.538	0.21487	-0.54225	14.931E-6
64.12875	44.27820	21.61000	0.32042	21.538	0.20146	-0.76096	17.176E-6
66.69390	44.27820	21.61000	0.31262	21.538	0.17520	-1.0498	19.819E-6
69.25905	44.27820	21.61000	0.29555	21.538	0.12878	-1.4380	22.951E-6
71.82420	44.27820	21.61000	0.26753	21.538	0.059788	-1.9449	26.723E-6
74.38935	44.27820	21.61000	0.22998	21.538	-0.027267	-2.5518	31.073E-6
76.95450	44.27820	21.61000	0.18880	21.538	-0.11004	-3.1771	35.816E-6
79.51965	44.27820	21.61000	0.14927	21.538	-0.16686	-3.7460	40.828E-6
82.08480	44.27820	21.61000	0.11000	21.538	-0.21460	-4.2840	45.794E-6
84.64995	44.27820	21.61000	0.069589	21.538	-0.27266	-4.8159	50.294E-6
87.21510	44.27820	21.61000	0.033668	21.538	-0.32521	-5.2621	53.924E-6
89.78025	44.27820	21.61000	0.0091323	21.538	-0.35392	-5.5299	56.210E-6
92.34540	44.27820	21.61000	-0.0015162	21.538	-0.36087	-5.5950	56.767E-6
94.91055	44.27820	21.61000	0.0018049	21.538	-0.35077	-5.4639	55.498E-6
97.47570	44.27820	21.61000	0.018764	21.538	-0.32262	-5.1419	52.510E-6
100.04085	44.27820	21.61000	0.047719	21.538	-0.27436	-4.6466	48.100E-6
102.60600	44.27820	21.61000	0.083740	21.538	-0.21249	-4.0383	42.783E-6
105.17115	44.27820	21.61000	0.11920	21.538	-0.15356	-3.4156	37.174E-6
107.73630	44.27820	21.61000	0.14803	21.538	-0.10877	-2.8565	31.830E-6
110.30145	44.27820	21.61000	0.16808	21.538	-0.077912	-2.3873	27.092E-6
112.86660	44.27820	21.61000	0.17990	21.538	-0.056840	-2.0027	23.049E-6
115.43175	44.27820	21.61000	0.18501	21.538	-0.042142	-1.6887	19.653E-6
117.99690	44.27820	21.61000	0.18502	21.538	-0.031652	-1.4315	16.814E-6
120.56205	44.27820	21.61000	0.18136	21.538	-0.024033	-1.2200	14.440E-6
123.12720	44.27820	21.61000	0.17516	21.538	-0.018425	-1.0451	12.452E-6
125.69235	44.27820	21.61000	0.16731	21.538	-0.014253	-0.89978	10.781E-6
128.25750	44.27820	21.61000	0.15851	21.538	-0.011121	-0.77851	9.3741E-6
130.82265	44.27820	21.61000	0.14923	21.538	-0.0087488	-0.67681	8.1842E-6
133.38780	44.27820	21.61000	0.13984	21.538	-0.0069377	-0.59113	7.1746E-6

135.95295	44.27820	21.61000	0.13059	21.538	-0.0055439	-0.51859	6.3148E-6
138.51810	44.27820	21.61000	0.12165	21.538	-0.0044629	-0.45692	5.5797E-6
141.08325	44.27820	21.61000	0.11311	21.538	-0.0036181	-0.40424	4.9489E-6
143.64840	44.27820	21.61000	0.10506	21.538	-0.0029532	-0.35905	4.4055E-6
146.21355	44.27820	21.61000	0.097507	21.538	-0.0024261	-0.32012	3.9356E-6
148.77870	44.27820	21.61000	0.090471	21.538	-0.0020055	-0.28644	3.5277E-6
151.34385	44.27820	21.61000	0.083941	21.538	-0.0016676	-0.25718	3.1724E-6
153.90900	44.27820	21.61000	0.077901	21.538	-0.0013945	-0.23167	2.8618E-6 !
0.00000	46.73810	21.61000	0.058981	21.538	-593.29E-6	-0.15174	1.8865E-6
2.56515	46.73810	21.61000	0.063275	21.538	-686.52E-6	-0.16574	2.0592E-6
5.13030	46.73810	21.61000	0.067924	21.538	-797.04E-6	-0.18143	2.2524E-6
7.69545	46.73810	21.61000	0.072952	21.538	-928.54E-6	-0.19906	2.4691E-6
10.26060	46.73810	21.61000	0.078384	21.538	-0.0010855	-0.21890	2.7128E-6
12.82575	46.73810	21.61000	0.084242	21.538	-0.0012737	-0.24130	2.9875E-6
15.39090	46.73810	21.61000	0.090546	21.538	-0.0015001	-0.26664	3.2978E-6
17.95605	46.73810	21.61000	0.097312	21.538	-0.0017734	-0.29540	3.6492E-6
20.52120	46.73810	21.61000	0.10455	21.538	-0.0021044	-0.32810	4.0482E-6
23.08635	46.73810	21.61000	0.11225	21.538	-0.0025060	-0.36538	4.5019E-6
25.65150	46.73810	21.61000	0.12042	21.538	-0.0029930	-0.40792	5.0187E-6
28.21665	46.73810	21.61000	0.12902	21.538	-0.0035785	-0.45646	5.6073E-6
30.78180	46.73810	21.61000	0.13804	21.538	-0.0042646	-0.51168	6.2761E-6
33.34695	46.73810	21.61000	0.14748	21.538	-0.0050106	-0.57387	7.0303E-6
35.91210	46.73810	21.61000	0.15741	21.538	-0.0056337	-0.64215	7.8658E-6
38.47725	46.73810	21.61000	0.16815	21.538	-0.0054848	-0.71252	8.7567E-6
41.04240	46.73810	21.61000	0.18060	21.538	-0.0023394	-0.77271	9.6325E-6
43.60755	46.73810	21.61000	0.19707	21.538	0.011560	-0.78956	10.369E-6
46.17270	46.73810	21.61000	0.22270	21.538	0.062930	-0.68286	10.966E-6
48.73785	46.73810	21.61000	0.26560	21.538	0.22436	-0.31263	12.401E-6
51.30300	46.73810	21.61000	0.32520	21.538	0.54026	0.33310	16.199E-6
53.86815	46.73810	21.61000	0.37737	21.538	0.80604	0.86449	19.545E-6
56.43330	46.73810	21.61000	0.40641	21.538	0.91235	1.0360	21.399E-6
58.99845	46.73810	21.61000	0.41829	21.538	0.93982	0.96070	23.383E-6
61.56360	46.73810	21.61000	0.42065	21.538	0.93998	0.76552	25.845E-6
64.12875	46.73810	21.61000	0.41621	21.538	0.92471	0.49702	28.647E-6
66.69390	46.73810	21.61000	0.40206	21.538	0.87638	0.11986	31.567E-6
69.25905	46.73810	21.61000	0.37036	21.538	0.74719	-0.47496	34.174E-6
71.82420	46.73810	21.61000	0.31495	21.538	0.53649	-1.3673	37.449E-6
74.38935	46.73810	21.61000	0.23494	21.538	0.22301	-2.5862	40.951E-6
76.95450	46.73810	21.61000	0.14917	21.538	-0.092203	-3.8557	45.026E-6
79.51965	46.73810	21.61000	0.079412	21.538	-0.22712	-4.8318	52.213E-6
82.08480	46.73810	21.61000	0.010425	21.538	-0.33639	-5.7735	59.936E-6
84.64995	46.73810	21.61000	-0.073200	21.538	-0.57947	-6.9372	65.401E-6
87.21510	46.73810	21.61000	-0.14945	21.538	-0.80102	-7.9674	70.000E-6
89.78025	46.73810	21.61000	-0.19614	21.538	-0.88744	-8.5335	73.860E-6
92.34540	46.73810	21.61000	-0.21363	21.538	-0.90409	-8.6814	75.092E-6
94.91055	46.73810	21.61000	-0.20527	21.538	-0.88512	-8.4826	73.308E-6
97.47570	46.73810	21.61000	-0.17034	21.538	-0.81878	-7.9268	68.819E-6
100.04085	46.73810	21.61000	-0.10839	21.538	-0.67637	-6.9896	62.404E-6

102.60600	46.73810	21.61000	-0.028706	21.538	-0.46829	-5.7848	55.100E-6
105.17115	46.73810	21.61000	0.047532	21.538	-0.28698	-4.6123	47.192E-6
107.73630	46.73810	21.61000	0.10577	21.538	-0.17749	-3.6687	39.454E-6
110.30145	46.73810	21.61000	0.14486	21.538	-0.11633	-2.9531	32.761E-6
112.86660	46.73810	21.61000	0.16866	21.538	-0.080006	-2.4083	27.278E-6
115.43175	46.73810	21.61000	0.18122	21.538	-0.056812	-1.9860	22.841E-6
117.99690	46.73810	21.61000	0.18576	21.538	-0.041235	-1.6533	19.242E-6
120.56205	46.73810	21.61000	0.18475	21.538	-0.030431	-1.3876	16.308E-6
123.12720	46.73810	21.61000	0.17998	21.538	-0.022772	-1.1733	13.900E-6
125.69235	46.73810	21.61000	0.17279	21.538	-0.017252	-0.99885	11.915E-6
128.25750	46.73810	21.61000	0.16416	21.538	-0.013219	-0.85580	10.267E-6
130.82265	46.73810	21.61000	0.15476	21.538	-0.010236	-0.73764	8.8933E-6
133.38780	46.73810	21.61000	0.14507	21.538	-0.0080049	-0.63940	7.7417E-6
135.95295	46.73810	21.61000	0.13544	21.538	-0.0063187	-0.55722	6.7714E-6
138.51810	46.73810	21.61000	0.12607	21.538	-0.0050316	-0.48805	5.9499E-6
141.08325	46.73810	21.61000	0.11712	21.538	-0.0040400	-0.42952	5.2509E-6
143.64840	46.73810	21.61000	0.10865	21.538	-0.0032693	-0.37971	4.6534E-6
146.21355	46.73810	21.61000	0.10072	21.538	-0.0026652	-0.33712	4.1404E-6
148.77870	46.73810	21.61000	0.093336	21.538	-0.0021879	-0.30051	3.6979E-6
151.34385	46.73810	21.61000	0.086489	21.538	-0.0018080	-0.26890	3.3146E-6
153.90900	46.73810	21.61000	0.080164	21.538	-0.0015034	-0.24149	2.9812E-6 !
0.00000	49.19800	21.61000	0.060624	21.538	-636.49E-6	-0.15745	1.9567E-6
2.56515	49.19800	21.61000	0.065118	21.538	-739.73E-6	-0.17239	2.1408E-6
5.13030	49.19800	21.61000	0.069990	21.538	-862.88E-6	-0.18920	2.3476E-6
7.69545	49.19800	21.61000	0.075268	21.538	-0.0010104	-0.20816	2.5805E-6
10.26060	49.19800	21.61000	0.080978	21.538	-0.0011877	-0.22961	2.8437E-6
12.82575	49.19800	21.61000	0.087144	21.538	-0.0014020	-0.25395	3.1419E-6
15.39090	49.19800	21.61000	0.093786	21.538	-0.0016621	-0.28167	3.4807E-6
17.95605	49.19800	21.61000	0.10092	21.538	-0.0019793	-0.31333	3.8670E-6
20.52120	49.19800	21.61000	0.10854	21.538	-0.0023683	-0.34962	4.3089E-6
23.08635	49.19800	21.61000	0.11665	21.538	-0.0028475	-0.39136	4.8159E-6
25.65150	49.19800	21.61000	0.12522	21.538	-0.0034401	-0.43952	5.3994E-6
28.21665	49.19800	21.61000	0.13419	21.538	-0.0041731	-0.49524	6.0727E-6
30.78180	49.19800	21.61000	0.14351	21.538	-0.0050702	-0.55974	6.8503E-6
33.34695	49.19800	21.61000	0.15308	21.538	-0.0061236	-0.63413	7.7464E-6
35.91210	49.19800	21.61000	0.16290	21.538	-0.0071852	-0.71859	8.7688E-6
38.47725	49.19800	21.61000	0.17316	21.538	-0.0075423	-0.80996	9.9048E-6
41.04240	49.19800	21.61000	0.18484	21.538	-0.0041146	-0.89417	11.094E-6
43.60755	49.19800	21.61000	0.20124	21.538	0.017220	-0.92088	12.235E-6
46.17270	49.19800	21.61000	0.23295	21.538	0.12908	-0.71776	13.901E-6
48.73785	49.19800	21.61000	0.30878	21.538	0.70292	0.22904	23.647E-6
51.30300	49.19800	21.61000	0.45201	21.538	2.4267	2.3915	61.501E-6
53.86815	49.19800	21.61000	0.56821	21.538	3.7249	4.0899	89.128E-6
56.43330	49.19800	21.61000	0.61133	21.538	4.0488	4.5320	95.790E-6
58.99845	49.19800	21.61000	0.61998	21.538	4.1151	4.4307	99.568E-6
61.56360	49.19800	21.61000	0.61687	21.538	4.1318	4.1704	103.47E-6
64.12875	49.19800	21.61000	0.60897	21.538	4.1350	3.8682	107.39E-6
66.69390	49.19800	21.61000	0.59213	21.538	4.0804	3.4747	110.28E-6

69.25905	49.19800	21.61000	0.54473	21.538	3.6920	2.6594	105.88E-6
71.82420	49.19800	21.61000	0.44644	21.538	3.0485	1.1409	100.70E-6
74.38935	49.19800	21.61000	0.26890	21.538	1.7047	-1.6212	84.732E-6
76.95450	49.19800	21.61000	0.073051	21.538	0.10789	-4.6770	62.909E-6
79.51965	49.19800	21.61000	-0.034382	21.538	-0.067844	-6.1746	75.117E-6
82.08480	49.19800	21.61000	-0.14161	21.538	-0.17550	-7.6732	89.906E-6
84.64995	49.19800	21.61000	-0.33964	21.538	-1.5885	-10.755	75.356E-6
87.21510	49.19800	21.61000	-0.52000	21.538	-2.7412	-13.490	66.254E-6
89.78025	49.19800	21.61000	-0.60655	21.538	-2.9337	-14.633	73.366E-6
92.34540	49.19800	21.61000	-0.63410	21.538	-2.9499	-14.907	76.207E-6
94.91055	49.19800	21.61000	-0.61821	21.538	-2.9215	-14.611	73.550E-6
97.47570	49.19800	21.61000	-0.55253	21.538	-2.7676	-13.643	67.176E-6
100.04085	49.19800	21.61000	-0.42192	21.538	-2.2692	-11.712	61.700E-6
102.60600	49.19800	21.61000	-0.23698	21.538	-1.3016	-8.9119	62.990E-6
105.17115	49.19800	21.61000	-0.070993	21.538	-0.58604	-6.4195	58.641E-6
107.73630	49.19800	21.61000	0.039975	21.538	-0.29635	-4.7601	48.699E-6
110.30145	49.19800	21.61000	0.10871	21.538	-0.17481	-3.6644	39.501E-6
112.86660	49.19800	21.61000	0.14987	21.538	-0.11286	-2.8968	32.183E-6
115.43175	49.19800	21.61000	0.17285	21.538	-0.076593	-2.3329	26.458E-6
117.99690	49.19800	21.61000	0.18365	21.538	-0.053628	-1.9053	21.945E-6
120.56205	49.19800	21.61000	0.18632	21.538	-0.038412	-1.5740	18.351E-6
123.12720	49.19800	21.61000	0.18360	21.538	-0.028028	-1.3131	15.461E-6
125.69235	49.19800	21.61000	0.17746	21.538	-0.020781	-1.1051	13.118E-6
128.25750	49.19800	21.61000	0.16922	21.538	-0.015630	-0.93748	11.204E-6
130.82265	49.19800	21.61000	0.15984	21.538	-0.011910	-0.80110	9.6284E-6
133.38780	49.19800	21.61000	0.14996	21.538	-0.0091842	-0.68918	8.3234E-6
135.95295	49.19800	21.61000	0.14000	21.538	-0.0071612	-0.59663	7.2354E-6
138.51810	49.19800	21.61000	0.13026	21.538	-0.0056413	-0.51953	6.3228E-6
141.08325	49.19800	21.61000	0.12092	21.538	-0.0044866	-0.45486	5.5529E-6
143.64840	49.19800	21.61000	0.11207	21.538	-0.0036001	-0.40027	4.8996E-6
146.21355	49.19800	21.61000	0.10378	21.538	-0.0029128	-0.35392	4.3424E-6
148.77870	49.19800	21.61000	0.096054	21.538	-0.0023752	-0.31434	3.8648E-6
151.34385	49.19800	21.61000	0.088903	21.538	-0.0019510	-0.28035	3.4533E-6
153.90900	49.19800	21.61000	0.082305	21.538	-0.0016135	-0.25103	3.0971E-6 !
0.00000	51.65790	21.61000	0.062211	21.538	-681.68E-6	-0.16313	2.0264E-6
2.56515	51.65790	21.61000	0.066901	21.538	-795.77E-6	-0.17903	2.2221E-6
5.13030	51.65790	21.61000	0.071993	21.538	-932.72E-6	-0.19698	2.4429E-6
7.69545	51.65790	21.61000	0.077516	21.538	-0.0010978	-0.21733	2.6926E-6
10.26060	51.65790	21.61000	0.083500	21.538	-0.0012978	-0.24046	2.9761E-6
12.82575	51.65790	21.61000	0.089968	21.538	-0.0015414	-0.26686	3.2989E-6
15.39090	51.65790	21.61000	0.096940	21.538	-0.0018397	-0.29709	3.6680E-6
17.95605	51.65790	21.61000	0.10443	21.538	-0.0022073	-0.33185	4.0914E-6
20.52120	51.65790	21.61000	0.11243	21.538	-0.0026633	-0.37200	4.5793E-6
23.08635	51.65790	21.61000	0.12092	21.538	-0.0032337	-0.41860	5.1440E-6
25.65150	51.65790	21.61000	0.12985	21.538	-0.0039532	-0.47298	5.8009E-6
28.21665	51.65790	21.61000	0.13914	21.538	-0.0048688	-0.53678	6.5690E-6
30.78180	51.65790	21.61000	0.14863	21.538	-0.0060419	-0.61205	7.4716E-6
33.34695	51.65790	21.61000	0.15813	21.538	-0.0075392	-0.70122	8.5370E-6

35.91210	51.65790	21.61000	0.16740	21.538	-0.0093716	-0.80680	9.7960E-6
38.47725	51.65790	21.61000	0.17626	21.538	-0.011174	-0.92974	11.275E-6
41.04240	51.65790	21.61000	0.18503	21.538	-0.010524	-1.0629	12.975E-6
43.60755	51.65790	21.61000	0.19626	21.538	0.0071395	-1.1640	14.913E-6
46.17270	51.65790	21.61000	0.22167	21.538	0.14211	-1.0322	18.349E-6
48.73785	51.65790	21.61000	0.30843	21.538	1.1563	0.19573	41.177E-6
51.30300	51.65790	21.61000	0.52661	21.538	5.2886	3.8859	150.71E-6
53.86815	51.65790	21.61000	0.68639	21.538	8.1528	6.5413	225.40E-6
56.43330	51.65790	21.61000	0.71502	21.538	8.5838	6.8486	237.80E-6
58.99845	51.65790	21.61000	0.70159	21.538	8.5919	6.4575	243.03E-6
61.56360	51.65790	21.61000	0.68212	21.538	8.5589	5.9841	247.74E-6
64.12875	51.65790	21.61000	0.66808	21.538	8.5541	5.6258	252.06E-6
66.69390	51.65790	21.61000	0.66597	21.538	8.6758	5.5448	257.68E-6
69.25905	51.65790	21.61000	0.66275	21.538	8.9565	5.6352	267.13E-6
71.82420	51.65790	21.61000	0.56709	21.538	8.5968	4.4033	269.05E-6
74.38935	51.65790	21.61000	0.24090	21.538	4.8511	-0.74540	192.46E-6
76.95450	51.65790	21.61000	-0.13997	21.538	-0.070849	-6.9310	84.519E-6
79.51965	51.65790	21.61000	-0.25426	21.538	0.46380	-8.4464	123.76E-6
82.08480	51.65790	21.61000	-0.37265	21.538	1.0848	-10.147	168.60E-6
84.64995	51.65790	21.61000	-0.60822	21.538	-4.7237	-17.585	42.946E-6
87.21510	51.65790	21.61000	-1.1979	21.538	-9.1442	-24.034	-42.751E-6
89.78025	51.65790	21.61000	-1.3451	21.538	-9.6028	-26.128	-33.720E-6
92.34540	51.65790	21.61000	-1.3874	21.538	-9.6459	-26.602	-29.382E-6
94.91055	51.65790	21.61000	-1.3626	21.538	-9.6198	-26.193	-33.548E-6
97.47570	51.65790	21.61000	-1.2529	21.538	-9.3072	-24.616	-41.586E-6
100.04085	51.65790	21.61000	-1.0004	21.538	-7.7881	-20.807	-32.172E-6
102.60600	51.65790	21.61000	-0.58564	21.538	-3.6895	-14.218	39.621E-6
105.17115	51.65790	21.61000	-0.24480	21.538	-1.1595	-8.9607	68.966E-6
107.73630	51.65790	21.61000	-0.051873	21.538	-0.48318	-6.1536	59.177E-6
110.30145	51.65790	21.61000	0.058287	21.538	-0.26001	-4.5294	47.168E-6
112.86660	51.65790	21.61000	0.12274	21.538	-0.15839	-3.4713	37.692E-6
115.43175	51.65790	21.61000	0.15944	21.538	-0.10279	-2.7297	30.460E-6
117.99690	51.65790	21.61000	0.17842	21.538	-0.069376	-2.1867	24.890E-6
120.56205	51.65790	21.61000	0.18588	21.538	-0.048191	-1.7776	20.544E-6
123.12720	51.65790	21.61000	0.18590	21.538	-0.034265	-1.4630	17.112E-6
125.69235	51.65790	21.61000	0.18119	21.538	-0.024855	-1.2172	14.374E-6
128.25750	51.65790	21.61000	0.17361	21.538	-0.018348	-1.0224	12.169E-6
130.82265	51.65790	21.61000	0.16441	21.538	-0.013758	-0.86619	10.378E-6
133.38780	51.65790	21.61000	0.15443	21.538	-0.010464	-0.73967	8.9103E-6
135.95295	51.65790	21.61000	0.14423	21.538	-0.0080608	-0.63620	7.6993E-6
138.51810	51.65790	21.61000	0.13416	21.538	-0.0062833	-0.55085	6.6926E-6
141.08325	51.65790	21.61000	0.12446	21.538	-0.0049510	-0.47987	5.8500E-6
143.64840	51.65790	21.61000	0.11526	21.538	-0.0039403	-0.42042	5.1403E-6
146.21355	51.65790	21.61000	0.10663	21.538	-0.0031650	-0.37028	4.5388E-6
148.77870	51.65790	21.61000	0.098594	21.538	-0.0025642	-0.32772	4.0260E-6
151.34385	51.65790	21.61000	0.091158	21.538	-0.0020941	-0.29138	3.5866E-6
153.90900	51.65790	21.61000	0.084303	21.538	-0.0017229	-0.26018	3.2081E-6 !
0.00000	54.11780	21.61000	0.063730	21.538	-728.66E-6	-0.16872	2.0951E-6

2.56515	54.11780	21.61000	0.068609	21.538	-854.46E-6	-0.18560	2.3026E-6
5.13030	54.11780	21.61000	0.073915	21.538	-0.0010064	-0.20473	2.5376E-6
7.69545	54.11780	21.61000	0.079677	21.538	-0.0011908	-0.22651	2.8046E-6
10.26060	54.11780	21.61000	0.085926	21.538	-0.0014159	-0.25138	3.1090E-6
12.82575	54.11780	21.61000	0.092687	21.538	-0.0016922	-0.27991	3.4575E-6
15.39090	54.11780	21.61000	0.099978	21.538	-0.0020335	-0.31278	3.8581E-6
17.95605	54.11780	21.61000	0.10781	21.538	-0.0024583	-0.35082	4.3206E-6
20.52120	54.11780	21.61000	0.11616	21.538	-0.0029913	-0.39509	4.8573E-6
23.08635	54.11780	21.61000	0.12501	21.538	-0.0036671	-0.44691	5.4838E-6
25.65150	54.11780	21.61000	0.13427	21.538	-0.0045349	-0.50802	6.2198E-6
28.21665	54.11780	21.61000	0.14380	21.538	-0.0056675	-0.58068	7.0911E-6
30.78180	54.11780	21.61000	0.15336	21.538	-0.0071770	-0.66795	8.1320E-6
33.34695	54.11780	21.61000	0.16259	21.538	-0.0092432	-0.77408	9.3892E-6
35.91210	54.11780	21.61000	0.17093	21.538	-0.012163	-0.90506	10.927E-6
38.47725	54.11780	21.61000	0.17752	21.538	-0.016412	-1.0694	12.833E-6
41.04240	54.11780	21.61000	0.18119	21.538	-0.022527	-1.2783	15.232E-6
43.60755	54.11780	21.61000	0.18066	21.538	-0.029040	-1.5420	18.302E-6
46.17270	54.11780	21.61000	0.17627	21.538	-0.013160	-1.8389	22.637E-6
48.73785	54.11780	21.61000	0.17683	21.538	0.21465	-1.9877	33.106E-6
51.30300	54.11780	21.61000	0.19328	21.538	1.1026	-1.7541	63.680E-6
53.86815	54.11780	21.61000	0.17494	21.538	1.5500	-2.0762	84.617E-6
56.43330	54.11780	21.61000	0.11144	21.538	1.3452	-3.1696	90.643E-6
58.99845	54.11780	21.61000	0.042159	21.538	1.0643	-4.3608	95.025E-6
61.56360	54.11780	21.61000	-0.010132	21.538	0.88392	-5.2790	99.771E-6
64.12875	54.11780	21.61000	-0.038077	21.538	0.83044	-5.7861	104.13E-6
66.69390	54.11780	21.61000	-0.014146	21.538	1.4028	-5.2902	119.49E-6
69.25905	54.11780	21.61000	0.11922	21.538	4.8363	-2.4572	213.44E-6
71.82420	54.11780	21.61000	0.13015	21.538	7.3461	-1.2639	293.14E-6
74.38935	54.11780	21.61000	-0.26490	21.538	2.5538	-7.0250	184.76E-6
76.95450	54.11780	21.61000	-0.73380	21.538	-3.8467	-14.368	35.576E-6
79.51965	54.11780	21.61000	-0.82599	21.538	-2.5356	-15.627	100.90E-6
82.08480	54.11780	21.61000	-0.90611	21.538	-0.86719	-17.096	182.35E-6
84.64995	54.11780	21.61000	-1.4383	21.538	-8.7410	-26.624	5.0465E-6
87.21510	54.11780	21.61000	-1.9433	21.538	-15.198	-35.224	-130.45E-6
89.78025	54.11780	21.61000	-2.1474	21.538	-16.386	-38.259	-137.13E-6
92.34540	54.11780	21.61000	-2.2094	21.538	-16.591	-39.010	-135.38E-6
94.91055	54.11780	21.61000	-2.1770	21.538	-16.551	-38.490	-140.42E-6
97.47570	54.11780	21.61000	-2.0211	21.538	-16.040	-36.277	-148.99E-6
100.04085	54.11780	21.61000	-1.6432	21.538	-13.519	-30.582	-125.48E-6
102.60600	54.11780	21.61000	-0.90131	21.538	-6.3659	-20.172	13.516E-6
105.17115	54.11780	21.61000	-0.45777	21.538	-1.8862	-11.933	78.935E-6
107.73630	54.11780	21.61000	-0.16795	21.538	-0.74181	-7.8018	70.152E-6
110.30145	54.11780	21.61000	-0.0066543	21.538	-0.37921	-5.5407	55.391E-6
112.86660	54.11780	21.61000	0.086969	21.538	-0.22004	-4.1284	43.632E-6
115.43175	54.11780	21.61000	0.14084	21.538	-0.13673	-3.1726	34.752E-6
117.99690	54.11780	21.61000	0.16997	21.538	-0.088926	-2.4936	28.014E-6
120.56205	54.11780	21.61000	0.18339	21.538	-0.059884	-1.9952	22.840E-6
123.12720	54.11780	21.61000	0.18680	21.538	-0.041491	-1.6203	18.818E-6

125.69235	54.11780	21.61000	0.18393	21.538	-0.029448	-1.3328	15.656E-6
128.25750	54.11780	21.61000	0.17725	21.538	-0.021342	-1.1088	13.143E-6
130.82265	54.11780	21.61000	0.16839	21.538	-0.015754	-0.93162	11.125E-6
133.38780	54.11780	21.61000	0.15842	21.538	-0.011821	-0.78986	9.4905E-6
135.95295	54.11780	21.61000	0.14805	21.538	-0.0090008	-0.67516	8.1539E-6
138.51810	54.11780	21.61000	0.13771	21.538	-0.0069451	-0.58141	7.0521E-6
141.08325	54.11780	21.61000	0.12770	21.538	-0.0054240	-0.50410	6.1369E-6
143.64840	54.11780	21.61000	0.11818	21.538	-0.0042832	-0.43980	5.3711E-6
146.21355	54.11780	21.61000	0.10925	21.538	-0.0034168	-0.38592	4.7260E-6
148.77870	54.11780	21.61000	0.10092	21.538	-0.0027513	-0.34045	4.1791E-6
151.34385	54.11780	21.61000	0.093225	21.538	-0.0022347	-0.30182	3.7126E-6
153.90900	54.11780	21.61000	0.086134	21.538	-0.0018297	-0.26880	3.3124E-6 !
0.00000	56.57770	21.61000	0.065167	21.538	-777.19E-6	-0.17419	2.1620E-6
2.56515	56.57770	21.61000	0.070228	21.538	-915.53E-6	-0.19205	2.3814E-6
5.13030	56.57770	21.61000	0.075738	21.538	-0.0010837	-0.21238	2.6308E-6
7.69545	56.57770	21.61000	0.081729	21.538	-0.0012892	-0.23561	2.9154E-6
10.26060	56.57770	21.61000	0.088232	21.538	-0.0015419	-0.26228	3.2413E-6
12.82575	56.57770	21.61000	0.095272	21.538	-0.0018545	-0.29301	3.6162E-6
15.39090	56.57770	21.61000	0.10287	21.538	-0.0022441	-0.32862	4.0494E-6
17.95605	56.57770	21.61000	0.11102	21.538	-0.0027334	-0.37009	4.5526E-6
20.52120	56.57770	21.61000	0.11971	21.538	-0.0033539	-0.41868	5.1405E-6
23.08635	56.57770	21.61000	0.12887	21.538	-0.0041500	-0.47603	5.8319E-6
25.65150	56.57770	21.61000	0.13841	21.538	-0.0051873	-0.54428	6.6513E-6
28.21665	56.57770	21.61000	0.14813	21.538	-0.0065674	-0.62637	7.6320E-6
30.78180	56.57770	21.61000	0.15768	21.538	-0.0084592	-0.72648	8.8200E-6
33.34695	56.57770	21.61000	0.16652	21.538	-0.011170	-0.85081	10.282E-6
35.91210	56.57770	21.61000	0.17372	21.538	-0.015332	-1.0093	12.119E-6
38.47725	56.57770	21.61000	0.17763	21.538	-0.022456	-1.2194	14.492E-6
41.04240	56.57770	21.61000	0.17523	21.538	-0.036977	-1.5153	17.668E-6
43.60755	56.57770	21.61000	0.16017	21.538	-0.075891	-1.9781	22.021E-6
46.17270	56.57770	21.61000	0.11656	21.538	-0.22920	-2.8434	27.121E-6
48.73785	56.57770	21.61000	-0.0015280	21.538	-1.0926	-4.9007	20.415E-6
51.30300	56.57770	21.61000	-0.26094	21.538	-4.4197	-9.3989	-48.563E-6
53.86815	56.57770	21.61000	-0.53066	21.538	-7.2322	-13.935	-97.637E-6
56.43330	56.57770	21.61000	-0.74672	21.538	-8.7953	-17.436	-112.59E-6
58.99845	56.57770	21.61000	-0.91357	21.538	-9.8420	-20.110	-118.46E-6
61.56360	56.57770	21.61000	-1.0145	21.538	-10.212	-21.696	-112.48E-6
64.12875	56.57770	21.61000	-1.0694	21.538	-10.313	-22.526	-105.84E-6
66.69390	56.57770	21.61000	-1.0711	21.538	-9.8386	-22.313	-90.614E-6
69.25905	56.57770	21.61000	-0.98259	21.538	-6.8839	-19.979	-8.4664E-6
71.82420	56.57770	21.61000	-1.0315	21.538	-5.2649	-19.221	43.104E-6
74.38935	56.57770	21.61000	-1.4110	21.538	-9.4028	-23.550	-58.607E-6
76.95450	56.57770	21.61000	-1.7988	21.538	-13.820	-28.576	-162.06E-6
79.51965	56.57770	21.61000	-1.8837	21.538	-12.921	-30.247	-107.12E-6
82.08480	56.57770	21.61000	-1.9039	21.538	-10.976	-31.771	-14.556E-6
84.64995	56.57770	21.61000	-2.2127	21.538	-14.506	-37.799	-71.961E-6
87.21510	56.57770	21.61000	-2.5748	21.538	-18.280	-43.866	-138.06E-6
89.78025	56.57770	21.61000	-2.7741	21.538	-19.354	-46.664	-143.38E-6

92.34540	56.57770	21.61000	-2.8577	21.538	-19.738	-47.631	-145.71E-6
94.91055	56.57770	21.61000	-2.8289	21.538	-19.777	-47.130	-153.48E-6
97.47570	56.57770	21.61000	-2.6402	21.538	-19.178	-44.502	-163.96E-6
100.04085	56.57770	21.61000	-2.1785	21.538	-16.320	-37.737	-141.17E-6
102.60600	56.57770	21.61000	-1.3846	21.538	-8.3021	-25.408	6.3161E-6
105.17115	56.57770	21.61000	-0.69866	21.538	-2.7190	-15.085	87.151E-6
107.73630	56.57770	21.61000	-0.30746	21.538	-1.0984	-9.6679	80.169E-6
110.30145	56.57770	21.61000	-0.086052	21.538	-0.54455	-6.6871	63.573E-6
112.86660	56.57770	21.61000	0.042785	21.538	-0.30169	-4.8589	49.740E-6
115.43175	56.57770	21.61000	0.11728	21.538	-0.17942	-3.6536	39.191E-6
117.99690	56.57770	21.61000	0.15848	21.538	-0.11244	-2.8195	31.226E-6
120.56205	56.57770	21.61000	0.17891	21.538	-0.073430	-2.2216	25.177E-6
123.12720	56.57770	21.61000	0.18633	21.538	-0.049604	-1.7811	20.534E-6
125.69235	56.57770	21.61000	0.18567	21.538	-0.034473	-1.4493	16.931E-6
128.25750	56.57770	21.61000	0.18012	21.538	-0.024546	-1.1945	14.101E-6
130.82265	56.57770	21.61000	0.17175	21.538	-0.017849	-0.99580	11.854E-6
133.38780	56.57770	21.61000	0.16189	21.538	-0.013223	-0.83858	10.050E-6
135.95295	56.57770	21.61000	0.15141	21.538	-0.0099576	-0.71261	8.5890E-6
138.51810	56.57770	21.61000	0.14087	21.538	-0.0076102	-0.61056	7.3937E-6
141.08325	56.57770	21.61000	0.13060	21.538	-0.0058942	-0.52703	6.4077E-6
143.64840	56.57770	21.61000	0.12081	21.538	-0.0046206	-0.45803	5.5877E-6
146.21355	56.57770	21.61000	0.11159	21.538	-0.0036624	-0.40055	4.9007E-6
148.77870	56.57770	21.61000	0.10302	21.538	-0.0029324	-0.35229	4.3211E-6
151.34385	56.57770	21.61000	0.095082	21.538	-0.0023698	-0.31148	3.8290E-6
153.90900	56.57770	21.61000	0.087777	21.538	-0.0019317	-0.27674	3.4085E-6 !
0.00000	59.03760	21.61000	0.066509	21.538	-826.94E-6	-0.17948	2.2267E-6
2.56515	59.03760	21.61000	0.071742	21.538	-978.62E-6	-0.19832	2.4579E-6
5.13030	59.03760	21.61000	0.077445	21.538	-0.0011642	-0.21985	2.7218E-6
7.69545	59.03760	21.61000	0.083651	21.538	-0.0013926	-0.24455	3.0240E-6
10.26060	59.03760	21.61000	0.090393	21.538	-0.0016755	-0.27304	3.3716E-6
12.82575	59.03760	21.61000	0.097694	21.538	-0.0020283	-0.30604	3.7734E-6
15.39090	59.03760	21.61000	0.10557	21.538	-0.0024717	-0.34446	4.2401E-6
17.95605	59.03760	21.61000	0.11402	21.538	-0.0030336	-0.38948	4.7853E-6
20.52120	59.03760	21.61000	0.12301	21.538	-0.0037531	-0.44257	5.4260E-6
23.08635	59.03760	21.61000	0.13246	21.538	-0.0046857	-0.50568	6.1846E-6
25.65150	59.03760	21.61000	0.14224	21.538	-0.0059144	-0.58138	7.0906E-6
28.21665	59.03760	21.61000	0.15208	21.538	-0.0075698	-0.67328	8.1843E-6
30.78180	59.03760	21.61000	0.16157	21.538	-0.0098743	-0.78659	9.5227E-6
33.34695	59.03760	21.61000	0.16998	21.538	-0.013247	-0.92931	11.191E-6
35.91210	59.03760	21.61000	0.17604	21.538	-0.018590	-1.1148	13.322E-6
38.47725	59.03760	21.61000	0.17749	21.538	-0.028177	-1.3675	16.139E-6
41.04240	59.03760	21.61000	0.16988	21.538	-0.049011	-1.7387	20.024E-6
43.60755	59.03760	21.61000	0.14346	21.538	-0.10832	-2.3547	25.534E-6
46.17270	59.03760	21.61000	0.073635	21.538	-0.34289	-3.5822	32.124E-6
48.73785	59.03760	21.61000	-0.10581	21.538	-1.5472	-6.5499	24.004E-6
51.30300	59.03760	21.61000	-0.47954	21.538	-5.7806	-12.830	-56.758E-6
53.86815	59.03760	21.61000	-0.88648	21.538	-9.6330	-19.496	-118.30E-6
56.43330	59.03760	21.61000	-1.2577	21.538	-12.788	-25.460	-162.33E-6

58.99845	59.03760	21.61000	-1.5479	21.538	-15.045	-30.067	-189.57E-6
61.56360	59.03760	21.61000	-1.7088	21.538	-15.696	-32.502	-183.49E-6
64.12875	59.03760	21.61000	-1.8009	21.538	-15.901	-33.818	-174.67E-6
66.69390	59.03760	21.61000	-1.8718	21.538	-16.022	-34.644	-168.86E-6
69.25905	59.03760	21.61000	-1.9757	21.538	-16.388	-35.510	-171.78E-6
71.82420	59.03760	21.61000	-2.2240	21.538	-18.476	-37.768	-222.15E-6
74.38935	59.03760	21.61000	-2.5986	21.538	-22.091	-40.873	-319.53E-6
76.95450	59.03760	21.61000	-2.8784	21.538	-24.151	-43.119	-369.03E-6
79.51965	59.03760	21.61000	-2.9503	21.538	-23.719	-45.126	-327.46E-6
82.08480	59.03760	21.61000	-2.9028	21.538	-21.523	-46.543	-226.76E-6
84.64995	59.03760	21.61000	-2.9511	21.538	-20.216	-48.265	-155.79E-6
87.21510	59.03760	21.61000	-3.1511	21.538	-21.100	-51.167	-152.65E-6
89.78025	59.03760	21.61000	-3.3623	21.538	-22.268	-53.669	-165.22E-6
92.34540	59.03760	21.61000	-3.4984	21.538	-23.149	-55.118	-180.28E-6
94.91055	59.03760	21.61000	-3.4980	21.538	-23.486	-54.918	-195.50E-6
97.47570	59.03760	21.61000	-3.2911	21.538	-22.900	-52.102	-208.82E-6
100.04085	59.03760	21.61000	-2.7571	21.538	-19.737	-44.599	-183.83E-6
102.60600	59.03760	21.61000	-1.8329	21.538	-10.910	-30.867	-23.435E-6
105.17115	59.03760	21.61000	-0.98473	21.538	-3.9746	-18.608	84.083E-6
107.73630	59.03760	21.61000	-0.47341	21.538	-1.6262	-11.775	86.763E-6
110.30145	59.03760	21.61000	-0.17938	21.538	-0.77146	-7.9553	70.964E-6
112.86660	59.03760	21.61000	-0.0087968	21.538	-0.40586	-5.6453	55.702E-6
115.43175	59.03760	21.61000	0.089557	21.538	-0.23083	-4.1582	43.599E-6
117.99690	59.03760	21.61000	0.14446	21.538	-0.13950	-3.1538	34.410E-6
120.56205	59.03760	21.61000	0.17276	21.538	-0.088479	-2.4493	27.474E-6
123.12720	59.03760	21.61000	0.18465	21.538	-0.058363	-1.9401	22.205E-6
125.69235	59.03760	21.61000	0.18647	21.538	-0.039770	-1.5627	18.158E-6
128.25750	59.03760	21.61000	0.18222	21.538	-0.027855	-1.2770	15.014E-6
130.82265	59.03760	21.61000	0.17445	21.538	-0.019976	-1.0569	12.542E-6
133.38780	59.03760	21.61000	0.16479	21.538	-0.014624	-0.88446	10.575E-6
135.95295	59.03760	21.61000	0.15429	21.538	-0.010901	-0.74759	8.9933E-6
138.51810	59.03760	21.61000	0.14359	21.538	-0.0082587	-0.63756	7.7090E-6
141.08325	59.03760	21.61000	0.13312	21.538	-0.0063478	-0.54813	6.6560E-6
143.64840	59.03760	21.61000	0.12309	21.538	-0.0049432	-0.47470	5.7852E-6
146.21355	59.03760	21.61000	0.11364	21.538	-0.0038952	-0.41385	5.0593E-6
148.77870	59.03760	21.61000	0.10484	21.538	-0.0031028	-0.36300	4.4495E-6
151.34385	59.03760	21.61000	0.096703	21.538	-0.0024961	-0.32019	3.9338E-6
153.90900	59.03760	21.61000	0.089213	21.538	-0.0020264	-0.28388	3.4947E-6 !
0.00000	61.49750	21.61000	0.067742	21.538	-877.47E-6	-0.18453	2.2883E-6
2.56515	61.49750	21.61000	0.073134	21.538	-0.0010432	-0.20434	2.5313E-6
5.13030	61.49750	21.61000	0.079016	21.538	-0.0012474	-0.22706	2.8094E-6
7.69545	61.49750	21.61000	0.085422	21.538	-0.0015004	-0.25324	3.1292E-6
10.26060	61.49750	21.61000	0.092384	21.538	-0.0018162	-0.28356	3.4987E-6
12.82575	61.49750	21.61000	0.099925	21.538	-0.0022132	-0.31884	3.9276E-6
15.39090	61.49750	21.61000	0.10806	21.538	-0.0027164	-0.36015	4.4283E-6
17.95605	61.49750	21.61000	0.11677	21.538	-0.0033600	-0.40881	5.0161E-6
20.52120	61.49750	21.61000	0.12602	21.538	-0.0041914	-0.46654	5.7110E-6
23.08635	61.49750	21.61000	0.13571	21.538	-0.0052790	-0.53559	6.5385E-6

25.65150	61.49750	21.61000	0.14568	21.538	-0.0067241	-0.61898	7.5330E-6
28.21665	61.49750	21.61000	0.15560	21.538	-0.0086855	-0.72091	8.7413E-6
30.78180	61.49750	21.61000	0.16498	21.538	-0.011431	-0.84748	10.230E-6
33.34695	61.49750	21.61000	0.17295	21.538	-0.015455	-1.0081	12.098E-6
35.91210	61.49750	21.61000	0.17805	21.538	-0.021796	-1.2181	14.501E-6
38.47725	61.49750	21.61000	0.17764	21.538	-0.032980	-1.5057	17.697E-6
41.04240	61.49750	21.61000	0.16672	21.538	-0.056312	-1.9275	22.122E-6
43.60755	61.49750	21.61000	0.13495	21.538	-0.11777	-2.6144	28.444E-6
46.17270	61.49750	21.61000	0.058377	21.538	-0.33472	-3.9126	36.589E-6
48.73785	61.49750	21.61000	-0.12159	21.538	-1.3446	-6.7957	34.744E-6
51.30300	61.49750	21.61000	-0.48286	21.538	-4.8559	-12.676	-23.799E-6
53.86815	61.49750	21.61000	-0.92605	21.538	-8.5207	-19.747	-73.150E-6
56.43330	61.49750	21.61000	-1.4232	21.538	-12.923	-27.713	-139.10E-6
58.99845	61.49750	21.61000	-1.8364	21.538	-16.365	-34.282	-186.34E-6
61.56360	61.49750	21.61000	-2.0568	21.538	-17.338	-37.590	-181.44E-6
64.12875	61.49750	21.61000	-2.1784	21.538	-17.641	-39.304	-171.33E-6
66.69390	61.49750	21.61000	-2.2895	21.538	-18.034	-40.722	-168.31E-6
69.25905	61.49750	21.61000	-2.4780	21.538	-19.318	-42.916	-189.18E-6
71.82420	61.49750	21.61000	-2.8158	21.538	-22.531	-46.444	-266.08E-6
74.38935	61.49750	21.61000	-3.2192	21.538	-26.673	-49.563	-383.15E-6
76.95450	61.49750	21.61000	-3.4792	21.538	-28.707	-51.131	-440.17E-6
79.51965	61.49750	21.61000	-3.5233	21.538	-28.015	-52.844	-392.51E-6
82.08480	61.49750	21.61000	-3.4302	21.538	-25.198	-53.779	-274.44E-6
84.64995	61.49750	21.61000	-3.4288	21.538	-23.132	-54.397	-188.70E-6
87.21510	61.49750	21.61000	-3.6575	21.538	-24.305	-56.834	-202.30E-6
89.78025	61.49750	21.61000	-3.9709	21.538	-26.493	-59.854	-246.90E-6
92.34540	61.49750	21.61000	-4.2188	21.538	-28.491	-62.351	-290.88E-6
94.91055	61.49750	21.61000	-4.2783	21.538	-29.416	-62.804	-320.11E-6
97.47570	61.49750	21.61000	-4.0613	21.538	-28.866	-59.923	-335.57E-6
100.04085	61.49750	21.61000	-3.4418	21.538	-25.054	-51.686	-295.34E-6
102.60600	61.49750	21.61000	-2.3658	21.538	-14.893	-36.750	-99.762E-6
105.17115	61.49750	21.61000	-1.3233	21.538	-5.9161	-22.563	60.570E-6
107.73630	61.49750	21.61000	-0.66330	21.538	-2.3686	-14.092	87.883E-6
110.30145	61.49750	21.61000	-0.28305	21.538	-1.0605	-9.3005	76.980E-6
112.86660	61.49750	21.61000	-0.065236	21.538	-0.52931	-6.4540	61.217E-6
115.43175	61.49750	21.61000	0.059221	21.538	-0.28873	-4.6642	47.779E-6
117.99690	61.49750	21.61000	0.12879	21.538	-0.16886	-3.4820	37.431E-6
120.56205	61.49750	21.61000	0.16541	21.538	-0.10433	-2.6690	29.639E-6
123.12720	61.49750	21.61000	0.18200	21.538	-0.067368	-2.0911	23.764E-6
125.69235	61.49750	21.61000	0.18644	21.538	-0.045104	-1.6690	19.294E-6
128.25750	61.49750	21.61000	0.18358	21.538	-0.031129	-1.3534	15.851E-6
130.82265	61.49750	21.61000	0.17649	21.538	-0.022048	-1.1128	13.167E-6
133.38780	61.49750	21.61000	0.16711	21.538	-0.015970	-0.92608	11.048E-6
135.95295	61.49750	21.61000	0.15664	21.538	-0.011797	-0.77905	9.3553E-6
138.51810	61.49750	21.61000	0.14585	21.538	-0.0088677	-0.66168	7.9894E-6
141.08325	61.49750	21.61000	0.13521	21.538	-0.0067698	-0.56686	6.8757E-6
143.64840	61.49750	21.61000	0.12500	21.538	-0.0052407	-0.48941	5.9591E-6
146.21355	61.49750	21.61000	0.11537	21.538	-0.0041084	-0.42553	5.1982E-6

148.77870	61.49750	21.61000	0.10638	21.538	-0.0032578	-0.37238	4.5616E-6
151.34385	61.49750	21.61000	0.098069	21.538	-0.0026104	-0.32778	4.0249E-6
153.90900	61.49750	21.61000	0.090422	21.538	-0.0021117	-0.29007	3.5695E-6 !
0.00000	63.95740	21.61000	0.068853	21.538	-928.26E-6	-0.18929	2.3463E-6
2.56515	63.95740	21.61000	0.074390	21.538	-0.0011088	-0.21005	2.6006E-6
5.13030	63.95740	21.61000	0.080434	21.538	-0.0013325	-0.23394	2.8927E-6
7.69545	63.95740	21.61000	0.087021	21.538	-0.0016118	-0.26157	3.2298E-6
10.26060	63.95740	21.61000	0.094180	21.538	-0.0019632	-0.29371	3.6209E-6
12.82575	63.95740	21.61000	0.10193	21.538	-0.0024086	-0.33130	4.0769E-6
15.39090	63.95740	21.61000	0.11029	21.538	-0.0029782	-0.37551	4.6116E-6
17.95605	63.95740	21.61000	0.11923	21.538	-0.0037133	-0.42788	5.2426E-6
20.52120	63.95740	21.61000	0.12870	21.538	-0.0046718	-0.49035	5.9924E-6
23.08635	63.95740	21.61000	0.13858	21.538	-0.0059367	-0.56551	6.8901E-6
25.65150	63.95740	21.61000	0.14866	21.538	-0.0076303	-0.65679	7.9746E-6
28.21665	63.95740	21.61000	0.15859	21.538	-0.0099403	-0.76897	9.2986E-6
30.78180	63.95740	21.61000	0.16780	21.538	-0.013173	-0.90887	10.937E-6
33.34695	63.95740	21.61000	0.17533	21.538	-0.017870	-1.0867	12.997E-6
35.91210	63.95740	21.61000	0.17959	21.538	-0.025091	-1.3190	15.646E-6
38.47725	63.95740	21.61000	0.17789	21.538	-0.037198	-1.6339	19.151E-6
41.04240	63.95740	21.61000	0.16538	21.538	-0.060253	-2.0846	23.951E-6
43.60755	63.95740	21.61000	0.13296	21.538	-0.11251	-2.7805	30.732E-6
46.17270	63.95740	21.61000	0.062555	21.538	-0.25905	-3.9656	40.111E-6
48.73785	63.95740	21.61000	-0.081332	21.538	-0.75188	-6.1845	49.426E-6
51.30300	63.95740	21.61000	-0.34562	21.538	-2.1271	-10.219	48.278E-6
53.86815	63.95740	21.61000	-0.75873	21.538	-4.6800	-16.595	32.139E-6
56.43330	63.95740	21.61000	-1.3813	21.538	-11.036	-26.677	-80.906E-6
58.99845	63.95740	21.61000	-1.9258	21.538	-16.324	-35.460	-169.96E-6
61.56360	63.95740	21.61000	-2.1930	21.538	-17.654	-39.503	-169.32E-6
64.12875	63.95740	21.61000	-2.3164	21.538	-17.952	-41.241	-158.72E-6
66.69390	63.95740	21.61000	-2.4139	21.538	-18.273	-42.470	-155.34E-6
69.25905	63.95740	21.61000	-2.5970	21.538	-19.600	-44.637	-178.18E-6
71.82420	63.95740	21.61000	-2.9321	21.538	-22.905	-48.194	-258.16E-6
74.38935	63.95740	21.61000	-3.3194	21.538	-27.048	-51.106	-377.87E-6
76.95450	63.95740	21.61000	-3.5559	21.538	-29.013	-52.299	-437.03E-6
79.51965	63.95740	21.61000	-3.5882	21.538	-28.303	-53.747	-392.04E-6
82.08480	63.95740	21.61000	-3.5175	21.538	-25.702	-54.767	-281.03E-6
84.64995	63.95740	21.61000	-3.6079	21.538	-24.533	-56.105	-220.08E-6
87.21510	63.95740	21.61000	-4.0002	21.538	-27.088	-59.635	-272.10E-6
89.78025	63.95740	21.61000	-4.5012	21.538	-30.467	-63.915	-345.77E-6
92.34540	63.95740	21.61000	-4.9163	21.538	-33.907	-68.104	-422.91E-6
94.91055	63.95740	21.61000	-5.0514	21.538	-35.328	-69.409	-460.14E-6
97.47570	63.95740	21.61000	-4.8195	21.538	-34.528	-66.417	-467.58E-6
100.04085	63.95740	21.61000	-4.1042	21.538	-29.719	-57.419	-399.28E-6
102.60600	63.95740	21.61000	-2.8947	21.538	-18.740	-41.971	-179.23E-6
105.17115	63.95740	21.61000	-1.6744	21.538	-8.1543	-26.505	25.694E-6
107.73630	63.95740	21.61000	-0.85887	21.538	-3.2164	-16.415	85.114E-6
110.30145	63.95740	21.61000	-0.38833	21.538	-1.3774	-10.622	81.650E-6
112.86660	63.95740	21.61000	-0.12213	21.538	-0.66010	-7.2319	66.066E-6

115.43175	63.95740	21.61000	0.028580	21.538	-0.34841	-5.1415	51.532E-6
117.99690	63.95740	21.61000	0.11272	21.538	-0.19842	-3.7863	40.143E-6
120.56205	63.95740	21.61000	0.15753	21.538	-0.11996	-2.8694	31.570E-6
123.12720	63.95740	21.61000	0.17875	21.538	-0.076082	-2.2270	25.144E-6
125.69235	63.95740	21.61000	0.18576	21.538	-0.050180	-1.7634	20.290E-6
128.25750	63.95740	21.61000	0.18430	21.538	-0.034197	-1.4205	16.579E-6
130.82265	63.95740	21.61000	0.17791	21.538	-0.023963	-1.1614	13.706E-6
133.38780	63.95740	21.61000	0.16883	21.538	-0.017200	-0.96197	11.453E-6
135.95295	63.95740	21.61000	0.15845	21.538	-0.012607	-0.80598	9.6635E-6
138.51810	63.95740	21.61000	0.14762	21.538	-0.0094128	-0.68219	8.2268E-6
141.08325	63.95740	21.61000	0.13687	21.538	-0.0071443	-0.58269	7.0607E-6
143.64840	63.95740	21.61000	0.12652	21.538	-0.0055028	-0.50178	6.1048E-6
146.21355	63.95740	21.61000	0.11674	21.538	-0.0042949	-0.43532	5.3143E-6
148.77870	63.95740	21.61000	0.10761	21.538	-0.0033926	-0.38019	4.6548E-6
151.34385	63.95740	21.61000	0.099161	21.538	-0.0027092	-0.33408	4.1005E-6
153.90900	63.95740	21.61000	0.091390	21.538	-0.0021850	-0.29521	3.6313E-6 !
0.00000	66.41730	21.61000	0.069830	21.538	-978.67E-6	-0.19370	2.3999E-6
2.56515	66.41730	21.61000	0.075496	21.538	-0.0011743	-0.21536	2.6650E-6
5.13030	66.41730	21.61000	0.081683	21.538	-0.0014186	-0.24038	2.9705E-6
7.69545	66.41730	21.61000	0.088427	21.538	-0.0017257	-0.26944	3.3245E-6
10.26060	66.41730	21.61000	0.095758	21.538	-0.0021151	-0.30337	3.7366E-6
12.82575	66.41730	21.61000	0.10370	21.538	-0.0026132	-0.34323	4.2193E-6
15.39090	66.41730	21.61000	0.11224	21.538	-0.0032559	-0.39036	4.7879E-6
17.95605	66.41730	21.61000	0.12136	21.538	-0.0040936	-0.44647	5.4621E-6
20.52120	66.41730	21.61000	0.13099	21.538	-0.0051969	-0.51377	6.2672E-6
23.08635	66.41730	21.61000	0.14099	21.538	-0.0066670	-0.59519	7.2360E-6
25.65150	66.41730	21.61000	0.15111	21.538	-0.0086520	-0.69462	8.4119E-6
28.21665	66.41730	21.61000	0.16096	21.538	-0.011375	-0.81739	9.8536E-6
30.78180	66.41730	21.61000	0.16988	21.538	-0.015186	-0.97096	11.642E-6
33.34695	66.41730	21.61000	0.17686	21.538	-0.020668	-1.1663	13.892E-6
35.91210	66.41730	21.61000	0.18027	21.538	-0.028866	-1.4200	16.774E-6
38.47725	66.41730	21.61000	0.17745	21.538	-0.041853	-1.7591	20.550E-6
41.04240	66.41730	21.61000	0.16399	21.538	-0.064190	-2.2300	25.631E-6
43.60755	66.41730	21.61000	0.13237	21.538	-0.10696	-2.9174	32.665E-6
46.17270	66.41730	21.61000	0.069627	21.538	-0.19812	-3.9809	42.603E-6
48.73785	66.41730	21.61000	-0.045897	21.538	-0.39671	-5.7123	56.889E-6
51.30300	66.41730	21.61000	-0.25248	21.538	-0.86709	-8.6969	76.684E-6
53.86815	66.41730	21.61000	-0.64552	21.538	-2.9497	-14.653	73.011E-6
56.43330	66.41730	21.61000	-1.3289	21.538	-10.058	-25.745	-55.712E-6
58.99845	66.41730	21.61000	-1.9398	21.538	-16.142	-35.651	-160.71E-6
61.56360	66.41730	21.61000	-2.2177	21.538	-17.602	-39.895	-162.43E-6
64.12875	66.41730	21.61000	-2.2916	21.538	-17.548	-40.889	-147.86E-6
66.69390	66.41730	21.61000	-2.2869	21.538	-16.920	-40.540	-128.57E-6
69.25905	66.41730	21.61000	-2.3826	21.538	-17.728	-41.521	-146.71E-6
71.82420	66.41730	21.61000	-2.6457	21.538	-20.653	-44.323	-221.85E-6
74.38935	66.41730	21.61000	-2.9503	21.538	-24.022	-46.426	-322.56E-6
76.95450	66.41730	21.61000	-3.1173	21.538	-25.333	-46.821	-367.07E-6
79.51965	66.41730	21.61000	-3.1198	21.538	-24.501	-47.496	-327.16E-6

82.08480	66.41730	21.61000	-3.0878	21.538	-22.327	-48.359	-234.27E-6
84.64995	66.41730	21.61000	-3.3223	21.538	-22.184	-50.921	-196.64E-6
87.21510	66.41730	21.61000	-4.0070	21.538	-27.350	-57.754	-305.64E-6
89.78025	66.41730	21.61000	-4.8632	21.538	-34.334	-66.498	-459.21E-6
92.34540	66.41730	21.61000	-5.5050	21.538	-39.485	-73.542	-565.04E-6
94.91055	66.41730	21.61000	-5.7254	21.538	-41.170	-75.890	-599.07E-6
97.47570	66.41730	21.61000	-5.4841	21.538	-39.987	-72.841	-592.77E-6
100.04085	66.41730	21.61000	-4.6901	21.538	-34.294	-63.136	-500.03E-6
102.60600	66.41730	21.61000	-3.3563	21.538	-22.151	-46.776	-247.55E-6
105.17115	66.41730	21.61000	-1.9806	21.538	-10.027	-29.944	-1.7100E-6
107.73630	66.41730	21.61000	-1.0335	21.538	-3.9661	-18.462	82.568E-6
110.30145	66.41730	21.61000	-0.48373	21.538	-1.6681	-11.792	85.391E-6
112.86660	66.41730	21.61000	-0.17412	21.538	-0.78164	-7.9160	70.085E-6
115.43175	66.41730	21.61000	341.10E-6	21.538	-0.40378	-5.5566	54.663E-6
117.99690	66.41730	21.61000	0.097665	21.538	-0.22561	-4.0473	42.400E-6
120.56205	66.41730	21.61000	0.14988	21.538	-0.13417	-3.0390	33.167E-6
123.12720	66.41730	21.61000	0.17528	21.538	-0.083895	-2.3404	26.276E-6
125.69235	66.41730	21.61000	0.18464	21.538	-0.054670	-1.8413	21.100E-6
128.25750	66.41730	21.61000	0.18446	21.538	-0.036877	-1.4752	17.167E-6
130.82265	66.41730	21.61000	0.17874	21.538	-0.025616	-1.2007	14.138E-6
133.38780	66.41730	21.61000	0.16998	21.538	-0.018250	-0.99074	11.775E-6
135.95295	66.41730	21.61000	0.15970	21.538	-0.013291	-0.82740	9.9072E-6
138.51810	66.41730	21.61000	0.14887	21.538	-0.0098697	-0.69840	8.4135E-6
141.08325	66.41730	21.61000	0.13807	21.538	-0.0074559	-0.59514	7.2055E-6
143.64840	66.41730	21.61000	0.12763	21.538	-0.0057194	-0.51147	6.2185E-6
146.21355	66.41730	21.61000	0.11774	21.538	-0.0044481	-0.44294	5.4044E-6
148.77870	66.41730	21.61000	0.10851	21.538	-0.0035027	-0.38627	4.7271E-6
151.34385	66.41730	21.61000	0.099966	21.538	-0.0027895	-0.33897	4.1590E-6
153.90900	66.41730	21.61000	0.092104	21.538	-0.0022444	-0.29917	3.6789E-6 !
0.00000	68.87720	21.61000	0.070662	21.538	-0.0010279	-0.19770	2.4483E-6
2.56515	68.87720	21.61000	0.076437	21.538	-0.0012391	-0.22021	2.7235E-6
5.13030	68.87720	21.61000	0.082746	21.538	-0.0015043	-0.24631	3.0418E-6
7.69545	68.87720	21.61000	0.089623	21.538	-0.0018405	-0.27672	3.4117E-6
10.26060	68.87720	21.61000	0.097097	21.538	-0.0022702	-0.31239	3.8442E-6
12.82575	68.87720	21.61000	0.10518	21.538	-0.0028248	-0.35447	4.3527E-6
15.39090	68.87720	21.61000	0.11387	21.538	-0.0035477	-0.40448	4.9545E-6
17.95605	68.87720	21.61000	0.12313	21.538	-0.0044998	-0.46433	5.6715E-6
20.52120	68.87720	21.61000	0.13286	21.538	-0.0057679	-0.53653	6.5320E-6
23.08635	68.87720	21.61000	0.14290	21.538	-0.0074770	-0.62438	7.5726E-6
25.65150	68.87720	21.61000	0.15295	21.538	-0.0098100	-0.73228	8.8419E-6
28.21665	68.87720	21.61000	0.16257	21.538	-0.013040	-0.86617	10.404E-6
30.78180	68.87720	21.61000	0.17104	21.538	-0.017582	-1.0343	12.348E-6
33.34695	68.87720	21.61000	0.17724	21.538	-0.024096	-1.2483	14.795E-6
35.91210	68.87720	21.61000	0.17950	21.538	-0.033671	-1.5253	17.917E-6
38.47725	68.87720	21.61000	0.17519	21.538	-0.048223	-1.8910	21.970E-6
41.04240	68.87720	21.61000	0.16026	21.538	-0.071387	-2.3870	27.334E-6
43.60755	68.87720	21.61000	0.12821	21.538	-0.11050	-3.0822	34.603E-6
46.17270	68.87720	21.61000	0.068529	21.538	-0.18013	-4.0973	44.747E-6

48.73785	68.87720	21.61000	-0.036767	21.538	-0.30283	-5.6596	59.770E-6
51.30300	68.87720	21.61000	-0.22782	21.538	-0.62587	-8.3744	81.730E-6
53.86815	68.87720	21.61000	-0.61619	21.538	-2.6289	-14.230	79.804E-6
56.43330	68.87720	21.61000	-1.3135	21.538	-9.8249	-25.541	-49.488E-6
58.99845	68.87720	21.61000	-1.9362	21.538	-16.049	-35.664	-157.02E-6
61.56360	68.87720	21.61000	-2.1894	21.538	-17.418	-39.582	-159.41E-6
64.12875	68.87720	21.61000	-2.1561	21.538	-16.415	-38.916	-129.92E-6
66.69390	68.87720	21.61000	-1.9159	21.538	-12.395	-34.695	-31.337E-6
69.25905	68.87720	21.61000	-1.8162	21.538	-11.280	-32.758	-13.598E-6
71.82420	68.87720	21.61000	-1.9422	21.538	-13.318	-34.038	-74.418E-6
74.38935	68.87720	21.61000	-2.1224	21.538	-15.616	-35.252	-145.89E-6
76.95450	68.87720	21.61000	-2.1912	21.538	-16.223	-34.863	-173.67E-6
79.51965	68.87720	21.61000	-2.0738	21.538	-13.544	-32.892	-97.371E-6
82.08480	68.87720	21.61000	-1.9907	21.538	-9.6479	-31.391	30.791E-6
84.64995	68.87720	21.61000	-2.3832	21.538	-10.209	-35.279	58.520E-6
87.21510	68.87720	21.61000	-3.5040	21.538	-20.434	-48.450	-161.69E-6
89.78025	68.87720	21.61000	-4.9047	21.538	-34.921	-65.656	-491.96E-6
92.34540	68.87720	21.61000	-5.8255	21.538	-42.324	-76.700	-632.41E-6
94.91055	68.87720	21.61000	-6.1487	21.538	-44.379	-80.383	-663.66E-6
97.47570	68.87720	21.61000	-5.9245	21.538	-43.085	-77.570	-650.20E-6
100.04085	68.87720	21.61000	-5.0976	21.538	-37.093	-67.562	-549.98E-6
102.60600	68.87720	21.61000	-3.6904	21.538	-24.392	-50.491	-285.39E-6
105.17115	68.87720	21.61000	-2.2095	21.538	-11.306	-32.549	-17.234E-6
107.73630	68.87720	21.61000	-1.1693	21.538	-4.5223	-20.040	81.432E-6
110.30145	68.87720	21.61000	-0.56004	21.538	-1.8979	-12.706	88.222E-6
112.86660	68.87720	21.61000	-0.21639	21.538	-0.88090	-8.4508	73.067E-6
115.43175	68.87720	21.61000	-0.022927	21.538	-0.44951	-5.8781	56.982E-6
117.99690	68.87720	21.61000	0.085033	21.538	-0.24803	-4.2468	44.065E-6
120.56205	68.87720	21.61000	0.14325	21.538	-0.14578	-3.1667	34.336E-6
123.12720	68.87720	21.61000	0.17203	21.538	-0.090210	-2.4246	27.098E-6
125.69235	68.87720	21.61000	0.18330	21.538	-0.058255	-1.8983	21.683E-6
128.25750	68.87720	21.61000	0.18418	21.538	-0.038991	-1.5149	17.586E-6
130.82265	68.87720	21.61000	0.17904	21.538	-0.026906	-1.2289	14.444E-6
133.38780	68.87720	21.61000	0.17056	21.538	-0.019061	-1.0112	12.001E-6
135.95295	68.87720	21.61000	0.16041	21.538	-0.013815	-0.84251	10.077E-6
138.51810	68.87720	21.61000	0.14961	21.538	-0.010217	-0.70976	8.5433E-6
141.08325	68.87720	21.61000	0.13879	21.538	-0.0076906	-0.60380	7.3057E-6
143.64840	68.87720	21.61000	0.12830	21.538	-0.0058815	-0.51818	6.2968E-6
146.21355	68.87720	21.61000	0.11836	21.538	-0.0045622	-0.44821	5.4663E-6
148.77870	68.87720	21.61000	0.10907	21.538	-0.0035843	-0.39044	4.7765E-6
151.34385	68.87720	21.61000	0.10047	21.538	-0.0028487	-0.34232	4.1989E-6
153.90900	68.87720	21.61000	0.092555	21.538	-0.0022881	-0.30189	3.7114E-6 !
0.00000	71.33710	21.61000	0.071338	21.538	-0.0010751	-0.20122	2.4908E-6
2.56515	71.33710	21.61000	0.077202	21.538	-0.0013017	-0.22452	2.7753E-6
5.13030	71.33710	21.61000	0.083609	21.538	-0.0015883	-0.25161	3.1053E-6
7.69545	71.33710	21.61000	0.090592	21.538	-0.0019542	-0.28330	3.4902E-6
10.26060	71.33710	21.61000	0.098177	21.538	-0.0024259	-0.32061	3.9418E-6
12.82575	71.33710	21.61000	0.10637	21.538	-0.0030404	-0.36483	4.4749E-6

15.39090	71.33710	21.61000	0.11516	21.538	-0.0038498	-0.41764	5.1087E-6
17.95605	71.33710	21.61000	0.12450	21.538	-0.0049282	-0.48119	5.8675E-6
20.52120	71.33710	21.61000	0.13426	21.538	-0.0063828	-0.55831	6.7827E-6
23.08635	71.33710	21.61000	0.14424	21.538	-0.0083699	-0.65274	7.8957E-6
25.65150	71.33710	21.61000	0.15411	21.538	-0.011121	-0.76948	9.2605E-6
28.21665	71.33710	21.61000	0.16333	21.538	-0.014983	-0.91529	10.949E-6
30.78180	71.33710	21.61000	0.17108	21.538	-0.020484	-1.0994	13.058E-6
33.34695	71.33710	21.61000	0.17614	21.538	-0.028439	-1.3348	15.718E-6
35.91210	71.33710	21.61000	0.17666	21.538	-0.040134	-1.6395	19.110E-6
38.47725	71.33710	21.61000	0.16997	21.538	-0.057654	-2.0401	23.489E-6
41.04240	71.33710	21.61000	0.15203	21.538	-0.084524	-2.5762	29.219E-6
43.60755	71.33710	21.61000	0.11681	21.538	-0.12701	-3.3104	36.852E-6
46.17270	71.33710	21.61000	0.054718	21.538	-0.19637	-4.3496	47.308E-6
48.73785	71.33710	21.61000	-0.051177	21.538	-0.30994	-5.9053	62.592E-6
51.30300	71.33710	21.61000	-0.24135	21.538	-0.61506	-8.5889	84.837E-6
53.86815	71.33710	21.61000	-0.62919	21.538	-2.5979	-14.422	83.389E-6
56.43330	71.33710	21.61000	-1.3259	21.538	-9.7820	-25.726	-45.534E-6
58.99845	71.33710	21.61000	-1.9405	21.538	-16.025	-35.769	-154.80E-6
61.56360	71.33710	21.61000	-2.1563	21.538	-17.266	-39.193	-158.58E-6
64.12875	71.33710	21.61000	-2.0169	21.538	-15.500	-36.948	-120.16E-6
66.69390	71.33710	21.61000	-1.5595	21.538	-8.9243	-29.277	31.505E-6
69.25905	71.33710	21.61000	-1.2249	21.538	-5.0647	-23.761	107.77E-6
71.82420	71.33710	21.61000	-1.1655	21.538	-5.2917	-22.711	85.993E-6
74.38935	71.33710	21.61000	-1.2065	21.538	-6.4632	-22.879	43.903E-6
76.95450	71.33710	21.61000	-1.1735	21.538	-6.4874	-21.741	28.662E-6
79.51965	71.33710	21.61000	-0.92544	21.538	-1.7782	-16.954	146.17E-6
82.08480	71.33710	21.61000	-0.78595	21.538	3.9805	-13.049	314.38E-6
84.64995	71.33710	21.61000	-1.3826	21.538	0.99210	-19.398	281.47E-6
87.21510	71.33710	21.61000	-2.9042	21.538	-14.002	-38.713	-41.432E-6
89.78025	71.33710	21.61000	-4.7438	21.538	-33.815	-62.796	-486.20E-6
92.34540	71.33710	21.61000	-5.9068	21.538	-43.095	-77.340	-653.47E-6
94.91055	71.33710	21.61000	-6.3314	21.538	-45.571	-82.339	-684.01E-6
97.47570	71.33710	21.61000	-6.1443	21.538	-44.370	-79.986	-668.31E-6
100.04085	71.33710	21.61000	-5.3239	21.538	-38.458	-70.087	-569.72E-6
102.60600	71.33710	21.61000	-3.8958	21.538	-25.734	-52.819	-306.73E-6
105.17115	71.33710	21.61000	-2.3592	21.538	-12.162	-34.259	-28.009E-6
107.73630	71.33710	21.61000	-1.2609	21.538	-4.9088	-21.086	80.008E-6
110.30145	71.33710	21.61000	-0.61220	21.538	-2.0608	-13.309	89.654E-6
112.86660	71.33710	21.61000	-0.24555	21.538	-0.95179	-8.7974	74.751E-6
115.43175	71.33710	21.61000	-0.039164	21.538	-0.48204	-6.0817	58.316E-6
117.99690	71.33710	21.61000	0.076018	21.538	-0.26378	-4.3699	45.019E-6
120.56205	71.33710	21.61000	0.13829	21.538	-0.15382	-3.2436	35.000E-6
123.12720	71.33710	21.61000	0.16937	21.538	-0.094511	-2.4741	27.558E-6
125.69235	71.33710	21.61000	0.18194	21.538	-0.060658	-1.9312	22.005E-6
128.25750	71.33710	21.61000	0.18356	21.538	-0.040387	-1.5372	17.814E-6
130.82265	71.33710	21.61000	0.17884	21.538	-0.027746	-1.2445	14.609E-6
133.38780	71.33710	21.61000	0.17060	21.538	-0.019582	-1.0223	12.122E-6
135.95295	71.33710	21.61000	0.16057	21.538	-0.014149	-0.85066	10.167E-6

138.51810	71.33710	21.61000	0.14983	21.538	-0.010435	-0.71582	8.6113E-6
141.08325	71.33710	21.61000	0.13903	21.538	-0.0078373	-0.60839	7.3579E-6
143.64840	71.33710	21.61000	0.12855	21.538	-0.0059820	-0.52171	6.3374E-6
146.21355	71.33710	21.61000	0.11860	21.538	-0.0046324	-0.45096	5.4983E-6
148.77870	71.33710	21.61000	0.10929	21.538	-0.0036342	-0.39261	4.8020E-6
151.34385	71.33710	21.61000	0.10067	21.538	-0.0028848	-0.34405	4.2194E-6
153.90900	71.33710	21.61000	0.092737	21.538	-0.0023145	-0.30329	3.7281E-6 !
0.00000	73.79700	21.61000	0.071850	21.538	-0.0011193	-0.20420	2.5267E-6
2.56515	73.79700	21.61000	0.077781	21.538	-0.0013609	-0.22820	2.8194E-6
5.13030	73.79700	21.61000	0.084261	21.538	-0.0016686	-0.25619	3.1599E-6
7.69545	73.79700	21.61000	0.091320	21.538	-0.0020643	-0.28904	3.5583E-6
10.26060	73.79700	21.61000	0.098981	21.538	-0.0025788	-0.32787	4.0274E-6
12.82575	73.79700	21.61000	0.10725	21.538	-0.0032555	-0.37410	4.5834E-6
15.39090	73.79700	21.61000	0.11609	21.538	-0.0041565	-0.42958	5.2473E-6
17.95605	73.79700	21.61000	0.12545	21.538	-0.0053718	-0.49672	6.0461E-6
20.52120	73.79700	21.61000	0.13516	21.538	-0.0070340	-0.57871	7.0148E-6
23.08635	73.79700	21.61000	0.14499	21.538	-0.0093406	-0.67981	8.1996E-6
25.65150	73.79700	21.61000	0.15453	21.538	-0.012590	-0.80577	9.6615E-6
28.21665	73.79700	21.61000	0.16315	21.538	-0.017240	-0.96440	11.482E-6
30.78180	73.79700	21.61000	0.16987	21.538	-0.023999	-1.1665	13.769E-6
33.34695	73.79700	21.61000	0.17326	21.538	-0.033978	-1.4269	16.668E-6
35.91210	73.79700	21.61000	0.17121	21.538	-0.048931	-1.7666	20.377E-6
38.47725	73.79700	21.61000	0.16069	21.538	-0.071647	-2.2152	25.164E-6
41.04240	73.79700	21.61000	0.13736	21.538	-0.10659	-2.8155	31.397E-6
43.60755	73.79700	21.61000	0.094995	21.538	-0.16101	-3.6315	39.608E-6
46.17270	73.79700	21.61000	0.024262	21.538	-0.24651	-4.7665	50.660E-6
48.73785	73.79700	21.61000	-0.090759	21.538	-0.37917	-6.4206	66.463E-6
51.30300	73.79700	21.61000	-0.28858	21.538	-0.70115	-9.1827	89.058E-6
53.86815	73.79700	21.61000	-0.67963	21.538	-2.6827	-15.039	87.947E-6
56.43330	73.79700	21.61000	-1.3726	21.538	-9.8454	-26.288	-40.867E-6
58.99845	73.79700	21.61000	-1.9739	21.538	-16.093	-36.178	-152.24E-6
61.56360	73.79700	21.61000	-2.1551	21.538	-17.256	-39.173	-158.43E-6
64.12875	73.79700	21.61000	-1.9451	21.538	-15.212	-35.987	-121.38E-6
66.69390	73.79700	21.61000	-1.3708	21.538	-7.9650	-26.680	35.031E-6
69.25905	73.79700	21.61000	-0.89251	21.538	-3.1127	-19.182	123.84E-6
71.82420	73.79700	21.61000	-0.69359	21.538	-2.3310	-16.410	118.47E-6
74.38935	73.79700	21.61000	-0.60951	21.538	-2.4388	-15.272	100.08E-6
76.95450	73.79700	21.61000	-0.48412	21.538	-1.6804	-13.128	101.73E-6
79.51965	73.79700	21.61000	-0.19103	21.538	3.2357	-7.4006	215.22E-6
82.08480	73.79700	21.61000	-0.076194	21.538	8.6445	-3.2739	367.43E-6
84.64995	73.79700	21.61000	-0.79297	21.538	4.6112	-11.090	313.54E-6
87.21510	73.79700	21.61000	-2.4977	21.538	-11.634	-33.027	-23.575E-6
89.78025	73.79700	21.61000	-4.5369	21.538	-32.888	-59.970	-486.79E-6
92.34540	73.79700	21.61000	-5.8426	21.538	-43.047	-76.442	-662.97E-6
94.91055	73.79700	21.61000	-6.3441	21.538	-45.843	-82.405	-693.46E-6
97.47570	73.79700	21.61000	-6.1993	21.538	-44.803	-80.557	-677.45E-6
100.04085	73.79700	21.61000	-5.4082	21.538	-39.122	-71.016	-583.08E-6
102.60600	73.79700	21.61000	-3.9933	21.538	-26.601	-53.921	-325.59E-6

105.17115	73.79700	21.61000	-2.4365	21.538	-12.762	-35.126	-39.733E-6
107.73630	73.79700	21.61000	-1.3072	21.538	-5.1669	-21.589	76.585E-6
110.30145	73.79700	21.61000	-0.63749	21.538	-2.1608	-13.569	89.158E-6
112.86660	73.79700	21.61000	-0.25930	21.538	-0.99192	-8.9302	74.907E-6
115.43175	73.79700	21.61000	-0.046853	21.538	-0.49917	-6.1502	58.532E-6
117.99690	73.79700	21.61000	0.071525	21.538	-0.27157	-4.4061	45.181E-6
120.56205	73.79700	21.61000	0.13552	21.538	-0.15757	-3.2632	35.105E-6
123.12720	73.79700	21.61000	0.16758	21.538	-0.096419	-2.4850	27.623E-6
125.69235	73.79700	21.61000	0.18072	21.538	-0.061676	-1.9374	22.045E-6
128.25750	73.79700	21.61000	0.18270	21.538	-0.040955	-1.5409	17.839E-6
130.82265	73.79700	21.61000	0.17821	21.538	-0.028075	-1.2467	14.624E-6
133.38780	73.79700	21.61000	0.17012	21.538	-0.019780	-1.0237	12.131E-6
135.95295	73.79700	21.61000	0.16020	21.538	-0.014271	-0.85147	10.173E-6
138.51810	73.79700	21.61000	0.14954	21.538	-0.010513	-0.71633	8.6148E-6
141.08325	73.79700	21.61000	0.13879	21.538	-0.0078884	-0.60872	7.3601E-6
143.64840	73.79700	21.61000	0.12836	21.538	-0.0060162	-0.52193	6.3388E-6
146.21355	73.79700	21.61000	0.11844	21.538	-0.0046558	-0.45110	5.4992E-6
148.77870	73.79700	21.61000	0.10916	21.538	-0.0036506	-0.39272	4.8027E-6
151.34385	73.79700	21.61000	0.10057	21.538	-0.0028964	-0.34413	4.2199E-6
153.90900	73.79700	21.61000	0.092648	21.538	-0.0023229	-0.30335	3.7285E-6 !
0.00000	76.25690	21.61000	0.072189	21.538	-0.0011594	-0.20660	2.5552E-6
2.56515	76.25690	21.61000	0.078165	21.538	-0.0014152	-0.23119	2.8550E-6
5.13030	76.25690	21.61000	0.084691	21.538	-0.0017431	-0.25995	3.2045E-6
7.69545	76.25690	21.61000	0.091796	21.538	-0.0021679	-0.29383	3.6146E-6
10.26060	76.25690	21.61000	0.099499	21.538	-0.0027247	-0.33401	4.0991E-6
12.82575	76.25690	21.61000	0.10779	21.538	-0.0034641	-0.38206	4.6756E-6
15.39090	76.25690	21.61000	0.11664	21.538	-0.0044595	-0.44000	5.3670E-6
17.95605	76.25690	21.61000	0.12596	21.538	-0.0058193	-0.51052	6.2028E-6
20.52120	76.25690	21.61000	0.13555	21.538	-0.0077067	-0.59722	7.2223E-6
23.08635	76.25690	21.61000	0.14513	21.538	-0.010371	-0.70496	8.4771E-6
25.65150	76.25690	21.61000	0.15420	21.538	-0.014201	-0.84038	10.036E-6
28.21665	76.25690	21.61000	0.16200	21.538	-0.019809	-1.0127	11.992E-6
30.78180	76.25690	21.61000	0.16734	21.538	-0.028183	-1.2348	14.470E-6
33.34695	76.25690	21.61000	0.16847	21.538	-0.040936	-1.5248	17.637E-6
35.91210	76.25690	21.61000	0.16279	21.538	-0.060726	-1.9086	21.719E-6
38.47725	76.25690	21.61000	0.14655	21.538	-0.091963	-2.4233	27.015E-6
41.04240	76.25690	21.61000	0.11446	21.538	-0.14191	-3.1219	33.918E-6
43.60755	76.25690	21.61000	0.059207	21.538	-0.22222	-4.0812	42.955E-6
46.17270	76.25690	21.61000	-0.029234	21.538	-0.34995	-5.4143	54.906E-6
48.73785	76.25690	21.61000	-0.16571	21.538	-0.54328	-7.3115	71.476E-6
51.30300	76.25690	21.61000	-0.38392	21.538	-0.93130	-10.304	94.479E-6
53.86815	76.25690	21.61000	-0.78619	21.538	-2.9465	-16.274	93.529E-6
56.43330	76.25690	21.61000	-1.4762	21.538	-10.095	-27.464	-35.483E-6
58.99845	76.25690	21.61000	-2.0616	21.538	-16.342	-37.162	-149.25E-6
61.56360	76.25690	21.61000	-2.2106	21.538	-17.447	-39.774	-158.10E-6
64.12875	76.25690	21.61000	-1.9496	21.538	-15.284	-35.976	-124.24E-6
66.69390	76.25690	21.61000	-1.3044	21.538	-7.8202	-25.798	29.411E-6
69.25905	76.25690	21.61000	-0.74051	21.538	-2.6163	-17.247	118.23E-6

71.82420	76.25690	21.61000	-0.45407	21.538	-1.4236	-13.442	115.37E-6
74.38935	76.25690	21.61000	-0.29009	21.538	-1.0756	-11.400	102.82E-6
76.95450	76.25690	21.61000	-0.10785	21.538	330.60E-6	-8.5942	108.13E-6
79.51965	76.25690	21.61000	0.20624	21.538	4.9138	-2.5410	217.42E-6
82.08480	76.25690	21.61000	0.30931	21.538	10.124	1.5435	362.66E-6
84.64995	76.25690	21.61000	-0.43928	21.538	5.9602	-6.6402	308.47E-6
87.21510	76.25690	21.61000	-2.1896	21.538	-10.317	-29.191	-22.151E-6
89.78025	76.25690	21.61000	-4.2961	21.538	-31.953	-57.031	-488.45E-6
92.34540	76.25690	21.61000	-5.6668	21.538	-42.541	-74.335	-670.39E-6
94.91055	76.25690	21.61000	-6.2140	21.538	-45.549	-80.853	-701.89E-6
97.47570	76.25690	21.61000	-6.1073	21.538	-44.673	-79.451	-686.46E-6
100.04085	76.25690	21.61000	-5.3596	21.538	-39.288	-70.420	-596.87E-6
102.60600	76.25690	21.61000	-3.9846	21.538	-27.102	-53.798	-346.05E-6
105.17115	76.25690	21.61000	-2.4386	21.538	-13.142	-35.115	-54.240E-6
107.73630	76.25690	21.61000	-1.3046	21.538	-5.3007	-21.505	70.482E-6
110.30145	76.25690	21.61000	-0.63301	21.538	-2.1943	-13.457	86.471E-6
112.86660	76.25690	21.61000	-0.25579	21.538	-0.99812	-8.8297	73.410E-6
115.43175	76.25690	21.61000	-0.044936	21.538	-0.49909	-6.0728	57.561E-6
117.99690	76.25690	21.61000	0.072137	21.538	-0.27047	-4.3495	44.510E-6
120.56205	76.25690	21.61000	0.13528	21.538	-0.15659	-3.2225	34.630E-6
123.12720	76.25690	21.61000	0.16685	21.538	-0.095716	-2.4557	27.281E-6
125.69235	76.25690	21.61000	0.17975	21.538	-0.061201	-1.9161	21.795E-6
128.25750	76.25690	21.61000	0.18165	21.538	-0.040638	-1.5253	17.654E-6
130.82265	76.25690	21.61000	0.17717	21.538	-0.027863	-1.2351	14.486E-6
133.38780	76.25690	21.61000	0.16914	21.538	-0.019637	-1.0150	12.027E-6
135.95295	76.25690	21.61000	0.15930	21.538	-0.014174	-0.84486	10.093E-6
138.51810	76.25690	21.61000	0.14874	21.538	-0.010446	-0.71124	8.5533E-6
141.08325	76.25690	21.61000	0.13809	21.538	-0.0078408	-0.60477	7.3121E-6
143.64840	76.25690	21.61000	0.12773	21.538	-0.0059823	-0.51882	6.3010E-6
146.21355	76.25690	21.61000	0.11790	21.538	-0.0046313	-0.44864	5.4692E-6
148.77870	76.25690	21.61000	0.10869	21.538	-0.0036326	-0.39075	4.7785E-6
151.34385	76.25690	21.61000	0.10015	21.538	-0.0028831	-0.34254	4.2004E-6
153.90900	76.25690	21.61000	0.092290	21.538	-0.0023130	-0.30205	3.7126E-6 !
0.00000	78.71680	21.61000	0.072352	21.538	-0.0011942	-0.20834	2.5759E-6
2.56515	78.71680	21.61000	0.078348	21.538	-0.0014630	-0.23341	2.8811E-6
5.13030	78.71680	21.61000	0.084892	21.538	-0.0018095	-0.26280	3.2378E-6
7.69545	78.71680	21.61000	0.092013	21.538	-0.0022615	-0.29752	3.6575E-6
10.26060	78.71680	21.61000	0.099722	21.538	-0.0028587	-0.33885	4.1549E-6
12.82575	78.71680	21.61000	0.10801	21.538	-0.0036590	-0.38846	4.7488E-6
15.39090	78.71680	21.61000	0.11681	21.538	-0.0047478	-0.44858	5.4640E-6
17.95605	78.71680	21.61000	0.12603	21.538	-0.0062544	-0.52216	6.3328E-6
20.52120	78.71680	21.61000	0.13543	21.538	-0.0083769	-0.61324	7.3985E-6
23.08635	78.71680	21.61000	0.14467	21.538	-0.011427	-0.72733	8.7187E-6
25.65150	78.71680	21.61000	0.15315	21.538	-0.015905	-0.87215	10.372E-6
28.21665	78.71680	21.61000	0.15992	21.538	-0.022633	-1.0586	12.463E-6
30.78180	78.71680	21.61000	0.16355	21.538	-0.032996	-1.3024	15.139E-6
33.34695	78.71680	21.61000	0.16181	21.538	-0.049381	-1.6264	18.596E-6
35.91210	78.71680	21.61000	0.15134	21.538	-0.075999	-2.0643	23.101E-6

38.47725	78.71680	21.61000	0.12716	21.538	-0.12042	-2.6665	29.000E-6
41.04240	78.71680	21.61000	0.081997	21.538	-0.19635	-3.5084	36.725E-6
43.60755	78.71680	21.61000	0.0056199	21.538	-0.32829	-4.7020	46.762E-6
46.17270	78.71680	21.61000	-0.11545	21.538	-0.55644	-6.4086	59.620E-6
48.73785	78.71680	21.61000	-0.29722	21.538	-0.92711	-8.8468	76.304E-6
51.30300	78.71680	21.61000	-0.56429	21.538	-1.5475	-12.439	98.077E-6
53.86815	78.71680	21.61000	-0.99621	21.538	-3.7107	-18.748	95.805E-6
56.43330	78.71680	21.61000	-1.6828	21.538	-10.837	-29.832	-33.704E-6
58.99845	78.71680	21.61000	-2.2420	21.538	-17.020	-39.165	-149.66E-6
61.56360	78.71680	21.61000	-2.3510	21.538	-18.023	-41.288	-160.78E-6
64.12875	78.71680	21.61000	-2.0390	21.538	-15.723	-36.902	-129.17E-6
66.69390	78.71680	21.61000	-1.3323	21.538	-8.0733	-26.022	22.671E-6
69.25905	78.71680	21.61000	-0.70064	21.538	-2.6116	-16.683	111.31E-6
71.82420	78.71680	21.61000	-0.35080	21.538	-1.1834	-12.152	108.21E-6
74.38935	78.71680	21.61000	-0.13488	21.538	-0.63636	-9.5240	95.797E-6
76.95450	78.71680	21.61000	0.082289	21.538	0.56180	-6.3273	100.80E-6
79.51965	78.71680	21.61000	0.41473	21.538	5.5034	-0.068423	208.56E-6
82.08480	78.71680	21.61000	0.53236	21.538	10.748	4.1838	353.01E-6
84.64995	78.71680	21.61000	-0.18742	21.538	6.8197	-3.6586	303.40E-6
87.21510	78.71680	21.61000	-1.8963	21.538	-9.0363	-25.717	-17.513E-6
89.78025	78.71680	21.61000	-3.9806	21.538	-30.612	-53.306	-484.73E-6
92.34540	78.71680	21.61000	-5.3510	21.538	-41.360	-70.623	-672.50E-6
94.91055	78.71680	21.61000	-5.9091	21.538	-44.454	-77.273	-705.62E-6
97.47570	78.71680	21.61000	-5.8319	21.538	-43.716	-76.212	-691.09E-6
100.04085	78.71680	21.61000	-5.1414	21.538	-38.692	-67.847	-606.72E-6
102.60600	78.71680	21.61000	-3.8396	21.538	-27.020	-52.081	-364.56E-6
105.17115	78.71680	21.61000	-2.3463	21.538	-13.176	-33.994	-69.615E-6
107.73630	78.71680	21.61000	-1.2435	21.538	-5.2547	-20.722	62.373E-6
110.30145	78.71680	21.61000	-0.59467	21.538	-2.1419	-12.925	81.763E-6
112.86660	78.71680	21.61000	-0.23348	21.538	-0.96425	-8.4808	70.299E-6
115.43175	78.71680	21.61000	-0.032877	21.538	-0.47998	-5.8454	55.421E-6
117.99690	78.71680	21.61000	0.078035	21.538	-0.25996	-4.1997	43.022E-6
120.56205	78.71680	21.61000	0.13762	21.538	-0.15074	-3.1220	33.586E-6
123.12720	78.71680	21.61000	0.16720	21.538	-0.092375	-2.3869	26.541E-6
125.69235	78.71680	21.61000	0.17904	21.538	-0.059235	-1.8680	21.264E-6
128.25750	78.71680	21.61000	0.18043	21.538	-0.039445	-1.4909	17.268E-6
130.82265	78.71680	21.61000	0.17574	21.538	-0.027119	-1.2101	14.200E-6
133.38780	78.71680	21.61000	0.16768	21.538	-0.019160	-0.99652	11.813E-6
135.95295	78.71680	21.61000	0.15791	21.538	-0.013860	-0.83101	9.9312E-6
138.51810	78.71680	21.61000	0.14745	21.538	-0.010235	-0.70070	8.4286E-6
141.08325	78.71680	21.61000	0.13692	21.538	-0.0076962	-0.59663	7.2152E-6
143.64840	78.71680	21.61000	0.12669	21.538	-0.0058813	-0.51246	6.2249E-6
146.21355	78.71680	21.61000	0.11698	21.538	-0.0045596	-0.44362	5.4088E-6
148.77870	78.71680	21.61000	0.10788	21.538	-0.0035809	-0.38674	4.7302E-6
151.34385	78.71680	21.61000	0.099443	21.538	-0.0028453	-0.33932	4.1613E-6
153.90900	78.71680	21.61000	0.091669	21.538	-0.0022849	-0.29944	3.6808E-6 !
0.00000	81.17670	21.61000	0.072334	21.538	-0.0012227	-0.20939	2.5880E-6
2.56515	81.17670	21.61000	0.078326	21.538	-0.0015027	-0.23480	2.8971E-6

5.13030	81.17670	21.61000	0.084862	21.538	-0.0018655	-0.26466	3.2590E-6
7.69545	81.17670	21.61000	0.091966	21.538	-0.0023416	-0.30001	3.6858E-6
10.26060	81.17670	21.61000	0.099645	21.538	-0.0029753	-0.34222	4.1929E-6
12.82575	81.17670	21.61000	0.10788	21.538	-0.0038316	-0.39308	4.8004E-6
15.39090	81.17670	21.61000	0.11660	21.538	-0.0050085	-0.45498	5.5347E-6
17.95605	81.17670	21.61000	0.12566	21.538	-0.0066563	-0.53115	6.4307E-6
20.52120	81.17670	21.61000	0.13483	21.538	-0.0090114	-0.62605	7.5357E-6
23.08635	81.17670	21.61000	0.14365	21.538	-0.012455	-0.74590	8.9134E-6
25.65150	81.17670	21.61000	0.15144	21.538	-0.017618	-0.89956	10.652E-6
28.21665	81.17670	21.61000	0.15706	21.538	-0.025580	-1.0999	12.872E-6
30.78180	81.17670	21.61000	0.15872	21.538	-0.038244	-1.3660	15.742E-6
33.34695	81.17670	21.61000	0.15362	21.538	-0.059085	-1.7269	19.495E-6
35.91210	81.17670	21.61000	0.13735	21.538	-0.094699	-2.2273	24.446E-6
38.47725	81.17670	21.61000	0.10302	21.538	-0.15807	-2.9383	30.999E-6
41.04240	81.17670	21.61000	0.039950	21.538	-0.27578	-3.9746	39.593E-6
43.60755	81.17670	21.61000	-0.068207	21.538	-0.50386	-5.5237	50.474E-6
46.17270	81.17670	21.61000	-0.24522	21.538	-0.96195	-7.8905	62.959E-6
48.73785	81.17670	21.61000	-0.52035	21.538	-1.8847	-11.520	73.801E-6
51.30300	81.17670	21.61000	-0.90942	21.538	-3.5027	-16.777	78.863E-6
53.86815	81.17670	21.61000	-1.4169	21.538	-6.3079	-24.054	64.539E-6
56.43330	81.17670	21.61000	-2.0823	21.538	-13.133	-34.628	-60.025E-6
58.99845	81.17670	21.61000	-2.5760	21.538	-18.816	-42.910	-170.31E-6
61.56360	81.17670	21.61000	-2.6199	21.538	-19.515	-44.169	-180.86E-6
64.12875	81.17670	21.61000	-2.2393	21.538	-16.913	-38.991	-147.78E-6
66.69390	81.17670	21.61000	-1.4558	21.538	-8.8722	-27.262	8.1134E-6
69.25905	81.17670	21.61000	-0.74675	21.538	-2.9840	-17.055	101.93E-6
71.82420	81.17670	21.61000	-0.33438	21.538	-1.2616	-11.822	101.11E-6
74.38935	81.17670	21.61000	-0.076946	21.538	-0.55321	-8.7414	89.090E-6
76.95450	81.17670	21.61000	0.16057	21.538	0.69089	-5.3645	93.561E-6
79.51965	81.17670	21.61000	0.50035	21.538	5.5858	0.87517	199.80E-6
82.08480	81.17670	21.61000	0.64184	21.538	10.884	5.3022	344.07E-6
84.64995	81.17670	21.61000	0.0011451	21.538	7.4573	-1.6318	301.97E-6
87.21510	81.17670	21.61000	-1.5711	21.538	-7.3729	-22.007	-1.4078E-6
89.78025	81.17670	21.61000	-3.5216	21.538	-28.137	-47.929	-458.96E-6
92.34540	81.17670	21.61000	-4.8067	21.538	-38.534	-64.200	-646.64E-6
94.91055	81.17670	21.61000	-5.3295	21.538	-41.461	-70.421	-678.86E-6
97.47570	81.17670	21.61000	-5.2696	21.538	-40.778	-69.552	-664.02E-6
100.04085	81.17670	21.61000	-4.6577	21.538	-36.240	-62.105	-586.43E-6
102.60600	81.17670	21.61000	-3.4864	21.538	-25.538	-47.878	-361.50E-6
105.17115	81.17670	21.61000	-2.1210	21.538	-12.455	-31.289	-76.451E-6
107.73630	81.17670	21.61000	-1.1095	21.538	-4.8941	-19.068	55.167E-6
110.30145	81.17670	21.61000	-0.51880	21.538	-1.9695	-11.933	75.787E-6
112.86660	81.17670	21.61000	-0.19201	21.538	-0.88330	-7.8815	65.814E-6
115.43175	81.17670	21.61000	-0.011029	21.538	-0.44091	-5.4745	52.230E-6
117.99690	81.17670	21.61000	0.088853	21.538	-0.24024	-3.9634	40.793E-6
120.56205	81.17670	21.61000	0.14229	21.538	-0.14030	-2.9668	32.028E-6
123.12720	81.17670	21.61000	0.16849	21.538	-0.086593	-2.2821	25.441E-6
125.69235	81.17670	21.61000	0.17853	21.538	-0.055899	-1.7954	20.477E-6

128.25750	81.17670	21.61000	0.17901	21.538	-0.037449	-1.4395	16.695E-6
130.82265	81.17670	21.61000	0.17393	21.538	-0.025884	-1.1729	13.778E-6
133.38780	81.17670	21.61000	0.16576	21.538	-0.018373	-0.96907	11.498E-6
135.95295	81.17670	21.61000	0.15603	21.538	-0.013346	-0.81044	9.6918E-6
138.51810	81.17670	21.61000	0.14568	21.538	-0.0098907	-0.68505	8.2447E-6
141.08325	81.17670	21.61000	0.13531	21.538	-0.0074611	-0.58456	7.0723E-6
143.64840	81.17670	21.61000	0.12525	21.538	-0.0057175	-0.50304	6.1126E-6
146.21355	81.17670	21.61000	0.11569	21.538	-0.0044434	-0.43619	5.3196E-6
148.77870	81.17670	21.61000	0.10675	21.538	-0.0034972	-0.38081	4.6587E-6
151.34385	81.17670	21.61000	0.098445	21.538	-0.0027841	-0.33454	4.1035E-6
153.90900	81.17670	21.61000	0.090793	21.538	-0.0022396	-0.29556	3.6337E-6 !
0.00000	83.63660	21.61000	0.072135	21.538	-0.0012437	-0.20971	2.5912E-6
2.56515	83.63660	21.61000	0.078098	21.538	-0.0015326	-0.23530	2.9023E-6
5.13030	83.63660	21.61000	0.084598	21.538	-0.0019086	-0.26543	3.2672E-6
7.69545	83.63660	21.61000	0.091656	21.538	-0.0024046	-0.30118	3.6982E-6
10.26060	83.63660	21.61000	0.099272	21.538	-0.0030688	-0.34398	4.2114E-6
12.82575	83.63660	21.61000	0.10742	21.538	-0.0039731	-0.39569	4.8279E-6
15.39090	83.63660	21.61000	0.11601	21.538	-0.0052268	-0.45887	5.5755E-6
17.95605	83.63660	21.61000	0.12489	21.538	-0.0070009	-0.53700	6.4913E-6
20.52120	83.63660	21.61000	0.13377	21.538	-0.0095695	-0.63490	7.6260E-6
23.08635	83.63660	21.61000	0.14214	21.538	-0.013385	-0.75948	9.0492E-6
25.65150	83.63660	21.61000	0.14920	21.538	-0.019218	-0.92073	10.858E-6
28.21665	83.63660	21.61000	0.15361	21.538	-0.028432	-1.1336	13.187E-6
30.78180	83.63660	21.61000	0.15323	21.538	-0.043540	-1.4208	16.231E-6
33.34695	83.63660	21.61000	0.14456	21.538	-0.069380	-1.8184	20.257E-6
35.91210	83.63660	21.61000	0.12192	21.538	-0.11576	-2.3848	25.633E-6
38.47725	83.63660	21.61000	0.075933	21.538	-0.20374	-3.2186	32.802E-6
41.04240	83.63660	21.61000	-0.0090745	21.538	-0.38143	-4.4919	42.113E-6
43.60755	83.63660	21.61000	-0.15957	21.538	-0.76685	-6.5169	53.043E-6
46.17270	83.63660	21.61000	-0.42019	21.538	-1.6743	-9.8832	61.143E-6
48.73785	83.63660	21.61000	-0.86137	21.538	-4.0327	-15.708	45.417E-6
51.30300	83.63660	21.61000	-1.5212	21.538	-9.3994	-24.919	-41.254E-6
53.86815	83.63660	21.61000	-2.1968	21.538	-14.575	-34.505	-116.01E-6
56.43330	83.63660	21.61000	-2.7791	21.538	-19.587	-43.262	-194.99E-6
58.99845	83.63660	21.61000	-3.1171	21.538	-23.055	-48.842	-255.67E-6
61.56360	83.63660	21.61000	-3.0565	21.538	-23.014	-48.640	-256.68E-6
64.12875	83.63660	21.61000	-2.5780	21.538	-19.728	-42.361	-211.64E-6
66.69390	83.63660	21.61000	-1.6846	21.538	-10.744	-29.521	-34.117E-6
69.25905	83.63660	21.61000	-0.86713	21.538	-3.8917	-18.185	81.894E-6
71.82420	83.63660	21.61000	-0.37634	21.538	-1.5905	-12.099	92.183E-6
74.38935	83.63660	21.61000	-0.079397	21.538	-0.66086	-8.6123	83.403E-6
76.95450	83.63660	21.61000	0.15804	21.538	0.48989	-5.3910	86.308E-6
79.51965	83.63660	21.61000	0.45716	21.538	4.7108	-0.041877	178.32E-6
82.08480	83.63660	21.61000	0.58511	21.538	9.3699	3.7630	306.28E-6
84.64995	83.63660	21.61000	0.068668	21.538	6.7515	-1.7816	277.22E-6
87.21510	83.63660	21.61000	-1.2169	21.538	-5.4077	-18.424	27.692E-6
89.78025	83.63660	21.61000	-2.8352	21.538	-22.993	-39.928	-365.47E-6
92.34540	83.63660	21.61000	-3.9031	21.538	-31.745	-53.408	-526.19E-6

94.91055	83.63660	21.61000	-4.3309	21.538	-34.009	-58.450	-548.22E-6
97.47570	83.63660	21.61000	-4.2753	21.538	-33.232	-57.613	-529.43E-6
100.04085	83.63660	21.61000	-3.7751	21.538	-29.436	-51.484	-463.25E-6
102.60600	83.63660	21.61000	-2.8302	21.538	-20.838	-39.972	-283.57E-6
105.17115	83.63660	21.61000	-1.7235	21.538	-10.237	-26.490	-53.118E-6
107.73630	83.63660	21.61000	-0.89561	21.538	-4.0533	-16.445	53.904E-6
110.30145	83.63660	21.61000	-0.40715	21.538	-1.6541	-10.499	69.646E-6
112.86660	83.63660	21.61000	-0.13391	21.538	-0.75529	-7.0626	60.343E-6
115.43175	83.63660	21.61000	0.018825	21.538	-0.38394	-4.9835	48.203E-6
117.99690	83.63660	21.61000	0.10352	21.538	-0.21272	-3.6556	37.959E-6
120.56205	83.63660	21.61000	0.14870	21.538	-0.12607	-2.7664	30.043E-6
123.12720	83.63660	21.61000	0.17041	21.538	-0.078812	-2.1472	24.038E-6
125.69235	83.63660	21.61000	0.17807	21.538	-0.051437	-1.7021	19.471E-6
128.25750	83.63660	21.61000	0.17734	21.538	-0.034785	-1.3733	15.964E-6
130.82265	83.63660	21.61000	0.17172	21.538	-0.024237	-1.1250	13.238E-6
133.38780	83.63660	21.61000	0.16337	21.538	-0.017324	-0.93371	11.092E-6
135.95295	83.63660	21.61000	0.15368	21.538	-0.012659	-0.78390	9.3838E-6
138.51810	83.63660	21.61000	0.14347	21.538	-0.0094304	-0.66483	8.0077E-6
141.08325	83.63660	21.61000	0.13328	21.538	-0.0071459	-0.56894	6.8876E-6
143.64840	83.63660	21.61000	0.12342	21.538	-0.0054975	-0.49082	5.9672E-6
146.21355	83.63660	21.61000	0.11406	21.538	-0.0042872	-0.42652	5.2039E-6
148.77870	83.63660	21.61000	0.10530	21.538	-0.0033845	-0.37309	4.5658E-6
151.34385	83.63660	21.61000	0.097174	21.538	-0.0027016	-0.32831	4.0283E-6
153.90900	83.63660	21.61000	0.089674	21.538	-0.0021784	-0.29049	3.5722E-6 !
0.00000	86.09650	21.61000	0.071755	21.538	-0.0012566	-0.20927	2.5852E-6
2.56515	86.09650	21.61000	0.077666	21.538	-0.0015515	-0.23489	2.8964E-6
5.13030	86.09650	21.61000	0.084104	21.538	-0.0019368	-0.26509	3.2617E-6
7.69545	86.09650	21.61000	0.091085	21.538	-0.0024472	-0.30097	3.6939E-6
10.26060	86.09650	21.61000	0.098606	21.538	-0.0031340	-0.34399	4.2092E-6
12.82575	86.09650	21.61000	0.10663	21.538	-0.0040746	-0.39612	4.8294E-6
15.39090	86.09650	21.61000	0.11507	21.538	-0.0053882	-0.45998	5.5833E-6
17.95605	86.09650	21.61000	0.12373	21.538	-0.0072631	-0.53925	6.5098E-6
20.52120	86.09650	21.61000	0.13230	21.538	-0.010007	-0.63908	7.6620E-6
23.08635	86.09650	21.61000	0.14022	21.538	-0.014136	-0.76689	9.1141E-6
25.65150	86.09650	21.61000	0.14658	21.538	-0.020552	-0.93370	10.970E-6
28.21665	86.09650	21.61000	0.14986	21.538	-0.030899	-1.1562	13.379E-6
30.78180	86.09650	21.61000	0.14758	21.538	-0.048311	-1.4608	16.554E-6
33.34695	86.09650	21.61000	0.13557	21.538	-0.079100	-1.8903	20.795E-6
35.91210	86.09650	21.61000	0.10681	21.538	-0.13679	-2.5176	26.509E-6
38.47725	86.09650	21.61000	0.049170	21.538	-0.25243	-3.4717	34.148E-6
41.04240	86.09650	21.61000	-0.058921	21.538	-0.50330	-4.9927	43.814E-6
43.60755	86.09650	21.61000	-0.25676	21.538	-1.0988	-7.5467	53.467E-6
46.17270	86.09650	21.61000	-0.61617	21.538	-2.6529	-12.066	51.669E-6
48.73785	86.09650	21.61000	-1.2535	21.538	-6.9654	-20.293	-7.5903E-6
51.30300	86.09650	21.61000	-2.2080	21.538	-16.506	-33.266	-204.45E-6
53.86815	86.09650	21.61000	-3.0702	21.538	-24.504	-45.006	-358.61E-6
56.43330	86.09650	21.61000	-3.5739	21.538	-27.934	-51.903	-401.30E-6
58.99845	86.09650	21.61000	-3.7445	21.538	-29.098	-54.611	-411.16E-6

61.56360	86.09650	21.61000	-3.5662	21.538	-28.129	-52.803	-397.33E-6
64.12875	86.09650	21.61000	-2.9794	21.538	-23.843	-45.465	-327.89E-6
66.69390	86.09650	21.61000	-1.9764	21.538	-13.807	-32.028	-118.15E-6
69.25905	86.09650	21.61000	-1.0331	21.538	-5.4585	-19.718	42.043E-6
71.82420	86.09650	21.61000	-0.44683	21.538	-2.1248	-12.647	78.912E-6
74.38935	86.09650	21.61000	-0.11181	21.538	-0.87388	-8.7918	77.621E-6
76.95450	86.09650	21.61000	0.10280	21.538	-0.023995	-6.1038	75.882E-6
79.51965	86.09650	21.61000	0.28031	21.538	1.9041	-3.1280	111.21E-6
82.08480	86.09650	21.61000	0.30371	21.538	3.7155	-1.7002	161.61E-6
84.64995	86.09650	21.61000	-0.067624	21.538	1.9781	-5.7125	146.52E-6
87.21510	86.09650	21.61000	-0.90383	21.538	-4.8023	-16.216	22.756E-6
89.78025	86.09650	21.61000	-1.9414	21.538	-14.511	-29.565	-175.72E-6
92.34540	86.09650	21.61000	-2.6587	21.538	-19.747	-38.398	-262.22E-6
94.91055	86.09650	21.61000	-2.9514	21.538	-21.005	-41.746	-267.55E-6
97.47570	86.09650	21.61000	-2.9032	21.538	-20.238	-40.980	-248.24E-6
100.04085	86.09650	21.61000	-2.5517	21.538	-17.655	-36.627	-205.53E-6
102.60600	86.09650	21.61000	-1.9224	21.538	-12.566	-28.941	-110.15E-6
105.17115	86.09650	21.61000	-1.1949	21.538	-6.5367	-20.068	5.7533E-6
107.73630	86.09650	21.61000	-0.62777	21.538	-2.8189	-13.153	59.075E-6
110.30145	86.09650	21.61000	-0.27332	21.538	-1.2382	-8.7788	63.709E-6
112.86660	86.09650	21.61000	-0.065963	21.538	-0.59690	-6.1037	54.258E-6
115.43175	86.09650	21.61000	0.053276	21.538	-0.31575	-4.4141	43.613E-6
117.99690	86.09650	21.61000	0.12031	21.538	-0.18029	-3.2994	34.703E-6
120.56205	86.09650	21.61000	0.15596	21.538	-0.10939	-2.5340	27.750E-6
123.12720	86.09650	21.61000	0.17252	21.538	-0.069686	-1.9904	22.409E-6
125.69235	86.09650	21.61000	0.17743	21.538	-0.046187	-1.5931	18.298E-6
128.25750	86.09650	21.61000	0.17532	21.538	-0.031637	-1.2957	15.106E-6
130.82265	86.09650	21.61000	0.16907	21.538	-0.022282	-1.0685	12.601E-6
133.38780	86.09650	21.61000	0.16053	21.538	-0.016072	-0.89185	10.613E-6
135.95295	86.09650	21.61000	0.15088	21.538	-0.011835	-0.75235	9.0180E-6
138.51810	86.09650	21.61000	0.14083	21.538	-0.0088759	-0.64070	7.7251E-6
141.08325	86.09650	21.61000	0.13086	21.538	-0.0067647	-0.55024	6.6667E-6
143.64840	86.09650	21.61000	0.12124	21.538	-0.0052304	-0.47615	5.7927E-6
146.21355	86.09650	21.61000	0.11211	21.538	-0.0040968	-0.41488	5.0647E-6
148.77870	86.09650	21.61000	0.10357	21.538	-0.0032467	-0.36377	4.4537E-6
151.34385	86.09650	21.61000	0.095645	21.538	-0.0026005	-0.32077	3.9372E-6
153.90900	86.09650	21.61000	0.088328	21.538	-0.0021032	-0.28434	3.4977E-6 !
0.00000	88.55640	21.61000	0.071197	21.538	-0.0012604	-0.20806	2.5699E-6
2.56515	88.55640	21.61000	0.077033	21.538	-0.0015583	-0.23354	2.8791E-6
5.13030	88.55640	21.61000	0.083383	21.538	-0.0019484	-0.26358	3.2423E-6
7.69545	88.55640	21.61000	0.090260	21.538	-0.0024666	-0.29931	3.6722E-6
10.26060	88.55640	21.61000	0.097658	21.538	-0.0031664	-0.34219	4.1853E-6
12.82575	88.55640	21.61000	0.10553	21.538	-0.0041288	-0.39422	4.8035E-6
15.39090	88.55640	21.61000	0.11378	21.538	-0.0054797	-0.45809	5.5560E-6
17.95605	88.55640	21.61000	0.12221	21.538	-0.0074201	-0.53756	6.4826E-6
20.52120	88.55640	21.61000	0.13048	21.538	-0.010281	-0.63798	7.6378E-6
23.08635	88.55640	21.61000	0.13799	21.538	-0.014629	-0.76712	9.0984E-6
25.65150	88.55640	21.61000	0.14374	21.538	-0.021467	-0.93666	10.973E-6

28.21665	88.55640	21.61000	0.14611	21.538	-0.032663	-1.1646	13.419E-6
30.78180	88.55640	21.61000	0.14233	21.538	-0.051876	-1.4800	16.661E-6
33.34695	88.55640	21.61000	0.12772	21.538	-0.086717	-1.9312	21.022E-6
35.91210	88.55640	21.61000	0.094146	21.538	-0.15416	-2.6029	26.927E-6
38.47725	88.55640	21.61000	0.027056	21.538	-0.29521	-3.6512	34.791E-6
41.04240	88.55640	21.61000	-0.10056	21.538	-0.61779	-5.3785	44.346E-6
43.60755	88.55640	21.61000	-0.34018	21.538	-1.4310	-8.3936	51.588E-6
46.17270	88.55640	21.61000	-0.78766	21.538	-3.6557	-13.903	36.941E-6
48.73785	88.55640	21.61000	-1.5801	21.538	-9.5989	-23.772	-63.205E-6
51.30300	88.55640	21.61000	-2.6930	21.538	-20.666	-37.911	-303.03E-6
53.86815	88.55640	21.61000	-3.6436	21.538	-29.843	-50.045	-496.73E-6
56.43330	88.55640	21.61000	-4.1057	21.538	-33.179	-56.008	-547.62E-6
58.99845	88.55640	21.61000	-4.1605	21.538	-33.395	-57.002	-543.24E-6
61.56360	88.55640	21.61000	-3.8863	21.538	-31.751	-54.002	-518.95E-6
64.12875	88.55640	21.61000	-3.2342	21.538	-26.895	-46.235	-433.40E-6
66.69390	88.55640	21.61000	-2.1936	21.538	-16.837	-33.391	-215.36E-6
69.25905	88.55640	21.61000	-1.1647	21.538	-7.1630	-20.796	-8.7235E-6
71.82420	88.55640	21.61000	-0.50036	21.538	-2.6471	-12.963	63.173E-6
74.38935	88.55640	21.61000	-0.13976	21.538	-1.0617	-8.8714	71.535E-6
76.95450	88.55640	21.61000	0.051199	21.538	-0.43020	-6.6721	67.700E-6
79.51965	88.55640	21.61000	0.13830	21.538	489.90E-6	-5.4547	68.639E-6
82.08480	88.55640	21.61000	0.097365	21.538	0.061380	-5.6200	73.017E-6
84.64995	88.55640	21.61000	-0.13823	21.538	-0.94111	-8.2062	67.717E-6
87.21510	88.55640	21.61000	-0.57888	21.538	-3.4613	-13.436	38.400E-6
89.78025	88.55640	21.61000	-1.0990	21.538	-6.7404	-19.696	-6.6040E-6
92.34540	88.55640	21.61000	-1.4894	21.538	-8.8390	-24.258	-28.416E-6
94.91055	88.55640	21.61000	-1.6641	21.538	-9.4209	-26.143	-26.662E-6
97.47570	88.55640	21.61000	-1.6382	21.538	-9.0104	-25.644	-17.451E-6
100.04085	88.55640	21.61000	-1.4358	21.538	-7.7690	-23.079	-2.8639E-6
102.60600	88.55640	21.61000	-1.0914	21.538	-5.6646	-18.837	23.193E-6
105.17115	88.55640	21.61000	-0.69753	21.538	-3.3080	-14.004	51.320E-6
107.73630	88.55640	21.61000	-0.36765	21.538	-1.6716	-9.9266	61.790E-6
110.30145	88.55640	21.61000	-0.14063	21.538	-0.83389	-7.0462	57.171E-6
112.86660	88.55640	21.61000	0.0021533	21.538	-0.43858	-5.1182	47.836E-6
115.43175	88.55640	21.61000	0.087935	21.538	-0.24624	-3.8196	38.757E-6
117.99690	88.55640	21.61000	0.13710	21.538	-0.14670	-2.9225	31.229E-6
120.56205	88.55640	21.61000	0.16303	21.538	-0.091878	-2.2852	25.281E-6
123.12720	88.55640	21.61000	0.17429	21.538	-0.059981	-1.8206	20.640E-6
125.69235	88.55640	21.61000	0.17638	21.538	-0.040539	-1.4740	17.013E-6
128.25750	88.55640	21.61000	0.17284	21.538	-0.028213	-1.2102	14.159E-6
130.82265	88.55640	21.61000	0.16596	21.538	-0.020134	-1.0058	11.893E-6
133.38780	88.55640	21.61000	0.15724	21.538	-0.014685	-0.84506	10.077E-6
135.95295	88.55640	21.61000	0.14765	21.538	-0.010916	-0.71688	8.6065E-6
138.51810	88.55640	21.61000	0.13780	21.538	-0.0082524	-0.61342	7.4055E-6
141.08325	88.55640	21.61000	0.12808	21.538	-0.0063333	-0.52899	6.4158E-6
143.64840	88.55640	21.61000	0.11872	21.538	-0.0049264	-0.45941	5.5936E-6
146.21355	88.55640	21.61000	0.10987	21.538	-0.0038791	-0.40156	4.9053E-6
148.77870	88.55640	21.61000	0.10158	21.538	-0.0030884	-0.35305	4.3249E-6

151.34385	88.55640	21.61000	0.093881	21.538	-0.0024838	-0.31208	3.8323E-6
153.90900	88.55640	21.61000	0.086771	21.538	-0.0020161	-0.27724	3.4116E-6 !
0.00000	91.01630	21.61000	0.070468	21.538	-0.0012549	-0.20609	2.5452E-6
2.56515	91.01630	21.61000	0.076206	21.538	-0.0015524	-0.23125	2.8505E-6
5.13030	91.01630	21.61000	0.082444	21.538	-0.0019423	-0.26091	3.2090E-6
7.69545	91.01630	21.61000	0.089192	21.538	-0.0024611	-0.29619	3.6332E-6
10.26060	91.01630	21.61000	0.096440	21.538	-0.0031630	-0.33854	4.1396E-6
12.82575	91.01630	21.61000	0.10414	21.538	-0.0041305	-0.38994	4.7497E-6
15.39090	91.01630	21.61000	0.11219	21.538	-0.0054922	-0.45308	5.4926E-6
17.95605	91.01630	21.61000	0.12038	21.538	-0.0074548	-0.53172	6.4078E-6
20.52120	91.01630	21.61000	0.12836	21.538	-0.010361	-0.63123	7.5499E-6
23.08635	91.01630	21.61000	0.13552	21.538	-0.014801	-0.75947	8.9956E-6
25.65150	91.01630	21.61000	0.14083	21.538	-0.021832	-0.92833	10.855E-6
28.21665	91.01630	21.61000	0.14261	21.538	-0.033445	-1.1563	13.285E-6
30.78180	91.01630	21.61000	0.13796	21.538	-0.053601	-1.4736	16.515E-6
33.34695	91.01630	21.61000	0.12197	21.538	-0.090704	-1.9312	20.871E-6
35.91210	91.01630	21.61000	0.085909	21.538	-0.16398	-2.6201	26.772E-6
38.47725	91.01630	21.61000	0.013864	21.538	-0.32134	-3.7117	34.566E-6
41.04240	91.01630	21.61000	-0.12451	21.538	-0.69380	-5.5470	43.598E-6
43.60755	91.01630	21.61000	-0.13868	21.538	-1.6705	-8.8282	48.016E-6
46.17270	91.01630	21.61000	-0.88991	21.538	-4.4185	-14.936	21.135E-6
48.73785	91.01630	21.61000	-1.7716	21.538	-11.583	-25.737	-113.37E-6
51.30300	91.01630	21.61000	-2.9486	21.538	-23.771	-40.286	-390.34E-6
53.86815	91.01630	21.61000	-3.8714	21.538	-32.965	-51.739	-593.24E-6
56.43330	91.01630	21.61000	-4.2069	21.538	-35.088	-55.978	-620.03E-6
58.99845	91.01630	21.61000	-4.1038	21.538	-33.619	-54.945	-577.57E-6
61.56360	91.01630	21.61000	-3.7428	21.538	-31.186	-50.898	-536.68E-6
64.12875	91.01630	21.61000	-3.1014	21.538	-26.580	-43.458	-456.46E-6
66.69390	91.01630	21.61000	-2.1322	21.538	-17.363	-31.922	-253.72E-6
69.25905	91.01630	21.61000	-1.1412	21.538	-7.6112	-20.110	-34.266E-6
71.82420	91.01630	21.61000	-0.48550	21.538	-2.7644	-12.468	52.520E-6
74.38935	91.01630	21.61000	-0.13552	21.538	-1.0985	-8.5284	65.832E-6
76.95450	91.01630	21.61000	0.036892	21.538	-0.54369	-6.6258	62.834E-6
79.51965	91.01630	21.61000	0.099890	21.538	-0.37820	-5.8995	59.943E-6
82.08480	91.01630	21.61000	0.068578	21.538	-0.47846	-6.1920	59.839E-6
84.64995	91.01630	21.61000	-0.062104	21.538	-0.93101	-7.6176	60.694E-6
87.21510	91.01630	21.61000	-0.27892	21.538	-1.7805	-10.056	59.302E-6
89.78025	91.01630	21.61000	-0.52480	21.538	-2.7874	-12.825	56.138E-6
92.34540	91.01630	21.61000	-0.72013	21.538	-3.5071	-14.960	55.838E-6
94.91055	91.01630	21.61000	-0.81764	21.538	-3.7596	-15.918	58.369E-6
97.47570	91.01630	21.61000	-0.81026	21.538	-3.6127	-15.648	60.508E-6
100.04085	91.01630	21.61000	-0.70890	21.538	-3.1326	-14.287	61.503E-6
102.60600	91.01630	21.61000	-0.53774	21.538	-2.3836	-12.108	62.362E-6
105.17115	91.01630	21.61000	-0.34006	21.538	-1.5648	-9.6080	61.814E-6
107.73630	91.01630	21.61000	-0.16265	21.538	-0.92383	-7.3279	57.320E-6
110.30145	91.01630	21.61000	-0.028834	21.538	-0.52743	-5.5315	49.681E-6
112.86660	91.01630	21.61000	0.061802	21.538	-0.30613	-4.2079	41.382E-6
115.43175	91.01630	21.61000	0.11878	21.538	-0.18428	-3.2493	33.922E-6

117.99690	91.01630	21.61000	0.15194	21.538	-0.11544	-2.5510	27.735E-6
120.56205	91.01630	21.61000	0.16893	21.538	-0.075052	-2.0348	22.765E-6
123.12720	91.01630	21.61000	0.17526	21.538	-0.050428	-1.6468	18.814E-6
125.69235	91.01630	21.61000	0.17469	21.538	-0.034869	-1.3503	15.672E-6
128.25750	91.01630	21.61000	0.16981	21.538	-0.024720	-1.1203	13.161E-6
130.82265	91.01630	21.61000	0.16236	21.538	-0.017912	-0.93928	11.140E-6
133.38780	91.01630	21.61000	0.15351	21.538	-0.013231	-0.79498	9.5016E-6
135.95295	91.01630	21.61000	0.14402	21.538	-0.0099424	-0.67863	8.1620E-6
138.51810	91.01630	21.61000	0.13440	21.538	-0.0075862	-0.58381	7.0581E-6
141.08325	91.01630	21.61000	0.12497	21.538	-0.0058685	-0.50579	6.1415E-6
143.64840	91.01630	21.61000	0.11591	21.538	-0.0045966	-0.44104	5.3748E-6
146.21355	91.01630	21.61000	0.10736	21.538	-0.0036413	-0.38685	4.7293E-6
148.77870	91.01630	21.61000	0.099345	21.538	-0.0029145	-0.34118	4.1821E-6
151.34385	91.01630	21.61000	0.091903	21.538	-0.0023549	-0.30241	3.7155E-6
153.90900	91.01630	21.61000	0.085024	21.538	-0.0019195	-0.26930	3.3154E-6 !
0.00000	93.47620	21.61000	0.069573	21.538	-0.0012399	-0.20336	2.5115E-6
2.56515	93.47620	21.61000	0.075194	21.538	-0.0015334	-0.22803	2.8108E-6
5.13030	93.47620	21.61000	0.081297	21.538	-0.0019182	-0.25710	3.1620E-6
7.69545	93.47620	21.61000	0.087892	21.538	-0.0024301	-0.29164	3.5772E-6
10.26060	93.47620	21.61000	0.094967	21.538	-0.0031227	-0.33307	4.0723E-6
12.82575	93.47620	21.61000	0.10247	21.538	-0.0040773	-0.38331	4.6683E-6
15.39090	93.47620	21.61000	0.11030	21.538	-0.0054213	-0.44498	5.3933E-6
17.95605	93.47620	21.61000	0.11826	21.538	-0.0073589	-0.52172	6.2856E-6
20.52120	93.47620	21.61000	0.12598	21.538	-0.010230	-0.61876	7.3980E-6
23.08635	93.47620	21.61000	0.13287	21.538	-0.014618	-0.74374	8.8047E-6
25.65150	93.47620	21.61000	0.13794	21.538	-0.021575	-0.90823	10.611E-6
28.21665	93.47620	21.61000	0.13951	21.538	-0.033080	-1.1303	12.971E-6
30.78180	93.47620	21.61000	0.13477	21.538	-0.053090	-1.4393	16.103E-6
33.34695	93.47620	21.61000	0.11889	21.538	-0.090039	-1.8851	20.317E-6
35.91210	93.47620	21.61000	0.083331	21.538	-0.16337	-2.5570	26.002E-6
38.47725	93.47620	21.61000	0.012401	21.538	-0.32211	-3.6240	33.434E-6
41.04240	93.47620	21.61000	-0.12402	21.538	-0.70294	-5.4252	41.720E-6
43.60755	93.47620	21.61000	-0.38572	21.538	-1.7233	-8.6670	43.993E-6
46.17270	93.47620	21.61000	-0.88556	21.538	-4.6696	-14.747	9.2918E-6
48.73785	93.47620	21.61000	-1.7585	21.538	-12.316	-25.414	-145.11E-6
51.30300	93.47620	21.61000	-2.8599	21.538	-24.169	-38.965	-421.96E-6
53.86815	93.47620	21.61000	-3.6102	21.538	-31.444	-48.213	-580.17E-6
56.43330	93.47620	21.61000	-3.7112	21.538	-30.522	-49.502	-529.18E-6
58.99845	93.47620	21.61000	-3.3887	21.538	-25.813	-45.715	-399.11E-6
61.56360	93.47620	21.61000	-2.9493	21.538	-22.222	-40.684	-326.86E-6
64.12875	93.47620	21.61000	-2.3971	21.538	-18.613	-34.376	-269.99E-6
66.69390	93.47620	21.61000	-1.6592	21.538	-12.502	-25.777	-147.56E-6
69.25905	93.47620	21.61000	-0.90589	21.538	-5.8475	-16.955	-7.3935E-6
71.82420	93.47620	21.61000	-0.38363	21.538	-2.2742	-10.949	51.907E-6
74.38935	93.47620	21.61000	-0.092437	21.538	-0.95501	-7.7030	60.862E-6
76.95450	93.47620	21.61000	0.054232	21.538	-0.50223	-6.1110	57.923E-6
79.51965	93.47620	21.61000	0.11101	21.538	-0.37260	-5.4987	55.112E-6
82.08480	93.47620	21.61000	0.10120	21.538	-0.41294	-5.5955	54.808E-6

84.64995	93.47620	21.61000	0.035695	21.538	-0.59390	-6.2902	56.717E-6
87.21510	93.47620	21.61000	-0.070303	21.538	-0.89127	-7.4202	59.711E-6
89.78025	93.47620	21.61000	-0.18895	21.538	-1.2236	-8.6694	62.882E-6
92.34540	93.47620	21.61000	-0.28680	21.538	-1.4749	-9.6531	65.773E-6
94.91055	93.47620	21.61000	-0.34025	21.538	-1.5777	-10.106	67.590E-6
97.47570	93.47620	21.61000	-0.34136	21.538	-1.5284	-9.9454	67.432E-6
100.04085	93.47620	21.61000	-0.29410	21.538	-1.3480	-9.2199	65.114E-6
102.60600	93.47620	21.61000	-0.21137	21.538	-1.0738	-8.0747	61.054E-6
105.17115	93.47620	21.61000	-0.11325	21.538	-0.77197	-6.7358	55.602E-6
107.73630	93.47620	21.61000	-0.020329	21.538	-0.51289	-5.4363	49.033E-6
110.30145	93.47620	21.61000	0.054641	21.538	-0.32770	-4.3211	41.993E-6
112.86660	93.47620	21.61000	0.10839	21.538	-0.20832	-3.4286	35.270E-6
115.43175	93.47620	21.61000	0.14328	21.538	-0.13437	-2.7364	29.353E-6
117.99690	93.47620	21.61000	0.16347	21.538	-0.088683	-2.2045	24.386E-6
120.56205	93.47620	21.61000	0.17296	21.538	-0.060006	-1.7948	20.314E-6
123.12720	93.47620	21.61000	0.17505	21.538	-0.041595	-1.4766	17.006E-6
125.69235	93.47620	21.61000	0.17219	21.538	-0.029486	-1.2272	14.325E-6
128.25750	93.47620	21.61000	0.16618	21.538	-0.021331	-1.0295	12.146E-6
130.82265	93.47620	21.61000	0.15828	21.538	-0.015718	-0.87119	10.367E-6
133.38780	93.47620	21.61000	0.14936	21.538	-0.011775	-0.74319	8.9050E-6
135.95295	93.47620	21.61000	0.14003	21.538	-0.0089542	-0.63870	7.6970E-6
138.51810	93.47620	21.61000	0.13068	21.538	-0.0069022	-0.55265	6.6919E-6
141.08325	93.47620	21.61000	0.12157	21.538	-0.0053866	-0.48121	5.8504E-6
143.64840	93.47620	21.61000	0.11285	21.538	-0.0042516	-0.42145	5.1414E-6
146.21355	93.47620	21.61000	0.10461	21.538	-0.0033907	-0.37110	4.5405E-6
148.77870	93.47620	21.61000	0.096902	21.538	-0.0027299	-0.32839	4.0282E-6
151.34385	93.47620	21.61000	0.089737	21.538	-0.0022174	-0.29196	3.5892E-6
153.90900	93.47620	21.61000	0.083107	21.538	-0.0018158	-0.26068	3.2109E-6 !
0.00000	95.93610	21.61000	0.068523	21.538	-0.0012157	-0.19993	2.4692E-6
2.56515	95.93610	21.61000	0.074007	21.538	-0.0015020	-0.22395	2.7606E-6
5.13030	95.93610	21.61000	0.079955	21.538	-0.0018766	-0.25221	3.1020E-6
7.69545	95.93610	21.61000	0.086376	21.538	-0.0023742	-0.28573	3.5050E-6
10.26060	95.93610	21.61000	0.093256	21.538	-0.0030462	-0.32587	3.9846E-6
12.82575	95.93610	21.61000	0.10055	21.538	-0.0039707	-0.37445	4.5607E-6
15.39090	95.93610	21.61000	0.10815	21.538	-0.0052689	-0.43393	5.2600E-6
17.95605	95.93610	21.61000	0.11587	21.538	-0.0071352	-0.50776	6.1184E-6
20.52120	95.93610	21.61000	0.12337	21.538	-0.0098907	-0.60084	7.1854E-6
23.08635	95.93610	21.61000	0.13009	21.538	-0.014085	-0.72031	8.5300E-6
25.65150	95.93610	21.61000	0.13510	21.538	-0.020701	-0.87689	10.250E-6
28.21665	95.93610	21.61000	0.13686	21.538	-0.031573	-1.0872	12.486E-6
30.78180	95.93610	21.61000	0.13278	21.538	-0.050331	-1.3780	15.436E-6
33.34695	95.93610	21.61000	0.11850	21.538	-0.084625	-1.7943	19.379E-6
35.91210	95.93610	21.61000	0.086409	21.538	-0.15185	-2.4153	24.654E-6
38.47725	95.93610	21.61000	0.022772	21.538	-0.29522	-3.3886	31.487E-6
41.04240	95.93610	21.61000	-0.098223	21.538	-0.63337	-5.0038	39.045E-6
43.60755	95.93610	21.61000	-0.32655	21.538	-1.5239	-7.8511	41.255E-6
46.17270	95.93610	21.61000	-0.75345	21.538	-4.0539	-13.062	11.320E-6
48.73785	95.93610	21.61000	-1.4765	21.538	-10.447	-21.909	-118.66E-6

51.30300	95.93610	21.61000	-2.3380	21.538	-19.675	-32.511	-333.54E-6
53.86815	95.93610	21.61000	-2.8472	21.538	-24.289	-38.793	-428.65E-6
56.43330	95.93610	21.61000	-2.7736	21.538	-21.435	-37.931	-331.77E-6
58.99845	95.93610	21.61000	-2.3500	21.538	-15.292	-32.881	-163.47E-6
61.56360	95.93610	21.61000	-1.9152	21.538	-11.440	-27.869	-81.139E-6
64.12875	95.93610	21.61000	-1.4959	21.538	-9.0216	-23.157	-49.162E-6
66.69390	95.93610	21.61000	-1.0294	21.538	-6.1854	-17.874	-8.5886E-6
69.25905	95.93610	21.61000	-0.57314	21.538	-3.2807	-12.682	35.729E-6
71.82420	95.93610	21.61000	-0.23343	21.538	-1.5000	-8.8674	54.941E-6
74.38935	95.93610	21.61000	-0.025081	21.538	-0.71391	-6.5817	55.856E-6
76.95450	95.93610	21.61000	0.088186	21.538	-0.40404	-5.3639	52.230E-6
79.51965	95.93610	21.61000	0.13770	21.538	-0.29994	-4.8338	49.490E-6
82.08480	95.93610	21.61000	0.14175	21.538	-0.29993	-4.7800	48.814E-6
84.64995	95.93610	21.61000	0.11197	21.538	-0.36691	-5.0744	49.989E-6
87.21510	95.93610	21.61000	0.060105	21.538	-0.47677	-5.5889	52.316E-6
89.78025	95.93610	21.61000	0.0010211	21.538	-0.59702	-6.1588	54.946E-6
92.34540	95.93610	21.61000	-0.049471	21.538	-0.69035	-6.6075	57.070E-6
94.91055	95.93610	21.61000	-0.079429	21.538	-0.73126	-6.8030	57.985E-6
97.47570	95.93610	21.61000	-0.083570	21.538	-0.71269	-6.6881	57.241E-6
100.04085	95.93610	21.61000	-0.063009	21.538	-0.64085	-6.2764	54.772E-6
102.60600	95.93610	21.61000	-0.023946	21.538	-0.53157	-5.6372	50.855E-6
105.17115	95.93610	21.61000	0.024176	21.538	-0.40853	-4.8761	45.924E-6
107.73630	95.93610	21.61000	0.071673	21.538	-0.29539	-4.1027	40.464E-6
110.30145	95.93610	21.61000	0.11170	21.538	-0.20568	-3.3958	34.957E-6
112.86660	95.93610	21.61000	0.14132	21.538	-0.14106	-2.7919	29.798E-6
115.43175	95.93610	21.61000	0.16059	21.538	-0.096832	-2.2953	25.220E-6
117.99690	95.93610	21.61000	0.17108	21.538	-0.067159	-1.8945	21.299E-6
120.56205	95.93610	21.61000	0.17476	21.538	-0.047272	-1.5733	18.008E-6
123.12720	95.93610	21.61000	0.17349	21.538	-0.033823	-1.3157	15.275E-6
125.69235	95.93610	21.61000	0.16881	21.538	-0.024602	-1.1083	13.014E-6
128.25750	95.93610	21.61000	0.16192	21.538	-0.018179	-0.94040	11.144E-6
130.82265	95.93610	21.61000	0.15372	21.538	-0.013634	-0.80349	9.5935E-6
133.38780	95.93610	21.61000	0.14484	21.538	-0.010367	-0.69108	8.3026E-6
135.95295	95.93610	21.61000	0.13572	21.538	-0.0079847	-0.59811	7.2230E-6
138.51810	95.93610	21.61000	0.12668	21.538	-0.0062226	-0.52070	6.3156E-6
141.08325	95.93610	21.61000	0.11792	21.538	-0.0049025	-0.45580	5.5491E-6
143.64840	95.93610	21.61000	0.10956	21.538	-0.0039016	-0.40106	4.8981E-6
146.21355	95.93610	21.61000	0.10166	21.538	-0.0031342	-0.35459	4.3426E-6
148.77870	95.93610	21.61000	0.094278	21.538	-0.0025396	-0.31493	3.8660E-6
151.34385	95.93610	21.61000	0.087407	21.538	-0.0020745	-0.28089	3.4554E-6
153.90900	95.93610	21.61000	0.081042	21.538	-0.0017074	-0.25153	3.0998E-6 !
0.00000	98.39600	21.61000	0.067328	21.538	-0.0011830	-0.19583	2.4189E-6
2.56515	98.39600	21.61000	0.072657	21.538	-0.0014587	-0.21906	2.7007E-6
5.13030	98.39600	21.61000	0.078432	21.538	-0.0018187	-0.24632	3.0301E-6
7.69545	98.39600	21.61000	0.084659	21.538	-0.0022953	-0.27858	3.4179E-6
10.26060	98.39600	21.61000	0.091326	21.538	-0.0029366	-0.31709	3.8782E-6
12.82575	98.39600	21.61000	0.098389	21.538	-0.0038151	-0.36355	4.4295E-6
15.39090	98.39600	21.61000	0.10575	21.538	-0.0050425	-0.42022	5.0961E-6

17.95605	98.39600	21.61000	0.11324	21.538	-0.0067964	-0.49025	5.9109E-6
20.52120	98.39600	21.61000	0.12055	21.538	-0.0093673	-0.57808	6.9188E-6
23.08635	98.39600	21.61000	0.12717	21.538	-0.013246	-0.69010	8.1816E-6
25.65150	98.39600	21.61000	0.13228	21.538	-0.019295	-0.83578	9.7860E-6
28.21665	98.39600	21.61000	0.13454	21.538	-0.029100	-1.0296	11.854E-6
30.78180	98.39600	21.61000	0.13173	21.538	-0.045718	-1.2942	14.556E-6
33.34695	98.39600	21.61000	0.12020	21.538	-0.075409	-1.6670	18.126E-6
35.91210	98.39600	21.61000	0.093829	21.538	-0.13187	-2.2114	22.843E-6
38.47725	98.39600	21.61000	0.042001	21.538	-0.24749	-3.0401	28.904E-6
41.04240	98.39600	21.61000	-0.053994	21.538	-0.50540	-4.3612	35.790E-6
43.60755	98.39600	21.61000	-0.22724	21.538	-1.1337	-6.5625	39.768E-6
46.17270	98.39600	21.61000	-0.53000	21.538	-2.7384	-10.290	26.108E-6
48.73785	98.39600	21.61000	-1.0004	21.538	-6.3255	-16.061	-36.677E-6
51.30300	98.39600	21.61000	-1.5208	21.538	-11.066	-22.473	-134.92E-6
53.86815	98.39600	21.61000	-1.8069	21.538	-13.246	-26.036	-172.38E-6
56.43330	98.39600	21.61000	-1.7257	21.538	-11.376	-25.133	-113.14E-6
58.99845	98.39600	21.61000	-1.4191	21.538	-7.6732	-21.552	-18.461E-6
61.56360	98.39600	21.61000	-1.1034	21.538	-5.2142	-17.975	29.338E-6
64.12875	98.39600	21.61000	-0.82142	21.538	-3.8362	-14.878	42.380E-6
66.69390	98.39600	21.61000	-0.54673	21.538	-2.6715	-11.873	48.544E-6
69.25905	98.39600	21.61000	-0.29176	21.538	-1.6108	-9.0771	53.400E-6
71.82420	98.39600	21.61000	-0.090770	21.538	-0.87852	-6.8864	53.476E-6
74.38935	98.39600	21.61000	0.044922	21.538	-0.48466	-5.4248	49.953E-6
76.95450	98.39600	21.61000	0.12558	21.538	-0.30031	-4.5624	46.062E-6
79.51965	98.39600	21.61000	0.16528	21.538	-0.22635	-4.1326	43.447E-6
82.08480	98.39600	21.61000	0.17503	21.538	-0.21236	-4.0102	42.434E-6
84.64995	98.39600	21.61000	0.16332	21.538	-0.23395	-4.1016	42.769E-6
87.21510	98.39600	21.61000	0.13810	21.538	-0.27537	-4.3196	43.949E-6
89.78025	98.39600	21.61000	0.10781	21.538	-0.32158	-4.5714	45.373E-6
92.34540	98.39600	21.61000	0.080667	21.538	-0.35796	-4.7661	46.449E-6
94.91055	98.39600	21.61000	0.062978	21.538	-0.37400	-4.8341	46.699E-6
97.47570	98.39600	21.61000	0.057940	21.538	-0.36552	-4.7403	45.839E-6
100.04085	98.39600	21.61000	0.065451	21.538	-0.33425	-4.4862	43.823E-6
102.60600	98.39600	21.61000	0.082678	21.538	-0.28646	-4.1037	40.814E-6
105.17115	98.39600	21.61000	0.10512	21.538	-0.23129	-3.6437	37.109E-6
107.73630	98.39600	21.61000	0.12804	21.538	-0.17781	-3.1608	33.053E-6
110.30145	98.39600	21.61000	0.14775	21.538	-0.13209	-2.6989	28.967E-6
112.86660	98.39600	21.61000	0.16227	21.538	-0.096265	-2.2840	25.100E-6
115.43175	98.39600	21.61000	0.17113	21.538	-0.069689	-1.9262	21.602E-6
117.99690	98.39600	21.61000	0.17482	21.538	-0.050545	-1.6249	18.534E-6
120.56205	98.39600	21.61000	0.17428	21.538	-0.036922	-1.3745	15.899E-6
123.12720	98.39600	21.61000	0.17054	21.538	-0.027241	-1.1676	13.660E-6
125.69235	98.39600	21.61000	0.16455	21.538	-0.020325	-0.99661	11.770E-6
128.25750	98.39600	21.61000	0.15707	21.538	-0.015343	-0.85518	10.179E-6
130.82265	98.39600	21.61000	0.14873	21.538	-0.011717	-0.73775	8.8388E-6
133.38780	98.39600	21.61000	0.13997	21.538	-0.0090472	-0.63982	7.7075E-6
135.95295	98.39600	21.61000	0.13114	21.538	-0.0070605	-0.55775	6.7501E-6
138.51810	98.39600	21.61000	0.12245	21.538	-0.0055654	-0.48861	5.9368E-6

141.08325	98.39600	21.61000	0.11407	21.538	-0.0044285	-0.43008	5.2433E-6
143.64840	98.39600	21.61000	0.10608	21.538	-0.0035552	-0.38026	4.6495E-6
146.21355	98.39600	21.61000	0.098552	21.538	-0.0028779	-0.33765	4.1390E-6
148.77870	98.39600	21.61000	0.091503	21.538	-0.0023479	-0.30102	3.6983E-6
151.34385	98.39600	21.61000	0.084940	21.538	-0.0019295	-0.26940	3.3163E-6
153.90900	98.39600	21.61000	0.078852	21.538	-0.0015966	-0.24197	2.9838E-6 !
0.00000	100.85590	21.61000	0.065999	21.538	-0.0011425	-0.19113	2.3613E-6
2.56515	100.85590	21.61000	0.071160	21.538	-0.0014050	-0.21343	2.6320E-6
5.13030	100.85590	21.61000	0.076745	21.538	-0.0017464	-0.23953	2.9475E-6
7.69545	100.85590	21.61000	0.082762	21.538	-0.0021963	-0.27031	3.3177E-6
10.26060	100.85590	21.61000	0.089199	21.538	-0.0027984	-0.30692	3.7555E-6
12.82575	100.85590	21.61000	0.096017	21.538	-0.0036180	-0.35088	4.2776E-6
15.39090	100.85590	21.61000	0.10313	21.538	-0.0047547	-0.40423	4.9059E-6
17.95605	100.85590	21.61000	0.11039	21.538	-0.0063644	-0.46976	5.6694E-6
20.52120	100.85590	21.61000	0.11752	21.538	-0.0086983	-0.55133	6.6076E-6
23.08635	100.85590	21.61000	0.12409	21.538	-0.012173	-0.65446	7.7737E-6
25.65150	100.85590	21.61000	0.12941	21.538	-0.017504	-0.78710	9.2412E-6
28.21665	100.85590	21.61000	0.13236	21.538	-0.025967	-0.96112	11.111E-6
30.78180	100.85590	21.61000	0.13117	21.538	-0.039935	-1.1946	13.521E-6
33.34695	100.85590	21.61000	0.12302	21.538	-0.064043	-1.5160	16.655E-6
35.91210	100.85590	21.61000	0.10342	21.538	-0.10782	-1.9711	20.728E-6
38.47725	100.85590	21.61000	0.065135	21.538	-0.19197	-2.6354	25.909E-6
41.04240	100.85590	21.61000	-0.0033287	21.538	-0.36357	-3.6342	31.997E-6
43.60755	100.85590	21.61000	-0.11915	21.538	-0.73066	-5.1649	37.400E-6
46.17270	100.85590	21.61000	-0.30235	21.538	-1.5109	-7.4736	36.996E-6
48.73785	100.85590	21.61000	-0.55370	21.538	-2.9229	-10.594	22.961E-6
51.30300	100.85590	21.61000	-0.80734	21.538	-4.5594	-13.752	0.0
53.86815	100.85590	21.61000	-0.94512	21.538	-5.3155	-15.525	-5.2991E-6
56.43330	100.85590	21.61000	-0.90995	21.538	-4.7109	-15.231	13.820E-6
58.99845	100.85590	21.61000	-0.75643	21.538	-3.4171	-13.551	41.510E-6
61.56360	100.85590	21.61000	-0.57598	21.538	-2.3793	-11.597	56.092E-6
64.12875	100.85590	21.61000	-0.40507	21.538	-1.7192	-9.7836	58.194E-6
66.69390	100.85590	21.61000	-0.24469	21.538	-1.2215	-8.0905	55.679E-6
69.25905	100.85590	21.61000	-0.099908	21.538	-0.80863	-6.5565	51.963E-6
71.82420	100.85590	21.61000	0.018028	21.538	-0.50520	-5.3048	47.668E-6
74.38935	100.85590	21.61000	0.10330	21.538	-0.31666	-4.3990	43.389E-6
76.95450	100.85590	21.61000	0.15798	21.538	-0.21418	-3.8134	39.889E-6
79.51965	100.85590	21.61000	0.18767	21.538	-0.16605	-3.4841	37.563E-6
82.08480	100.85590	21.61000	0.19820	21.538	-0.15072	-3.3464	36.410E-6
84.64995	100.85590	21.61000	0.19486	21.538	-0.15508	-3.3424	36.195E-6
87.21510	100.85590	21.61000	0.18269	21.538	-0.17007	-3.4168	36.565E-6
89.78025	100.85590	21.61000	0.16663	21.538	-0.18806	-3.5150	37.122E-6
92.34540	100.85590	21.61000	0.15121	21.538	-0.20240	-3.5864	37.479E-6
94.91055	100.85590	21.61000	0.13994	21.538	-0.20832	-3.5923	37.330E-6
97.47570	100.85590	21.61000	0.13474	21.538	-0.20357	-3.5112	36.488E-6
100.04085	100.85590	21.61000	0.13580	21.538	-0.18855	-3.3409	34.913E-6
102.60600	100.85590	21.61000	0.14190	21.538	-0.16573	-3.0959	32.692E-6
105.17115	100.85590	21.61000	0.15088	21.538	-0.13884	-2.8013	30.001E-6

107.73630	100.85590	21.61000	0.16036	21.538	-0.11169	-2.4856	27.054E-6
110.30145	100.85590	21.61000	0.16838	21.538	-0.087152	-2.1737	24.056E-6
112.86660	100.85590	21.61000	0.17373	21.538	-0.066655	-1.8828	21.170E-6
115.43175	100.85590	21.61000	0.17594	21.538	-0.050438	-1.6222	18.503E-6
117.99690	100.85590	21.61000	0.17513	21.538	-0.038039	-1.3948	16.111E-6
120.56205	100.85590	21.61000	0.17174	21.538	-0.028737	-1.1997	14.008E-6
123.12720	100.85590	21.61000	0.16633	21.538	-0.021819	-1.0339	12.183E-6
125.69235	100.85590	21.61000	0.15948	21.538	-0.016683	-0.89367	10.613E-6
128.25750	100.85590	21.61000	0.15169	21.538	-0.012859	-0.77522	9.2670E-6
130.82265	100.85590	21.61000	0.14336	21.538	-0.0099967	-0.67510	8.1156E-6
133.38780	100.85590	21.61000	0.13483	21.538	-0.0078390	-0.59032	7.1305E-6
135.95295	100.85590	21.61000	0.12633	21.538	-0.0061998	-0.51832	6.2865E-6
138.51810	100.85590	21.61000	0.11803	21.538	-0.0049443	-0.45695	5.5620E-6
141.08325	100.85590	21.61000	0.11005	21.538	-0.0039747	-0.40446	4.9382E-6
143.64840	100.85590	21.61000	0.10246	21.538	-0.0032197	-0.35938	4.3996E-6
146.21355	100.85590	21.61000	0.095310	21.538	-0.0026271	-0.32052	3.9330E-6
148.77870	100.85590	21.61000	0.088608	21.538	-0.0021585	-0.28688	3.5275E-6
151.34385	100.85590	21.61000	0.082362	21.538	-0.0017851	-0.25764	3.1738E-6
153.90900	100.85590	21.61000	0.076560	21.538	-0.0014855	-0.23215	2.8644E-6 !
0.00000	103.31580	21.61000	0.064551	21.538	-0.0010954	-0.18590	2.2973E-6
2.56515	103.31580	21.61000	0.069530	21.538	-0.0013425	-0.20718	2.5557E-6
5.13030	103.31580	21.61000	0.074911	21.538	-0.0016622	-0.23198	2.8557E-6
7.69545	103.31580	21.61000	0.080703	21.538	-0.0020810	-0.26112	3.2064E-6
10.26060	103.31580	21.61000	0.086895	21.538	-0.0026376	-0.29560	3.6192E-6
12.82575	103.31580	21.61000	0.093456	21.538	-0.0033890	-0.33679	4.1089E-6
15.39090	103.31580	21.61000	0.10031	21.538	-0.0044211	-0.38645	4.6947E-6
17.95605	103.31580	21.61000	0.10733	21.538	-0.0058659	-0.44697	5.4016E-6
20.52120	103.31580	21.61000	0.11429	21.538	-0.0079318	-0.52164	6.2630E-6
23.08635	103.31580	21.61000	0.12083	21.538	-0.010956	-0.61498	7.3231E-6
25.65150	103.31580	21.61000	0.12639	21.538	-0.015498	-0.73341	8.6415E-6
28.21665	103.31580	21.61000	0.13009	21.538	-0.022523	-0.88616	10.298E-6
30.78180	103.31580	21.61000	0.13060	21.538	-0.033736	-1.0867	12.398E-6
33.34695	103.31580	21.61000	0.12590	21.538	-0.052271	-1.3551	15.075E-6
35.91210	103.31580	21.61000	0.11295	21.538	-0.084059	-1.7215	18.484E-6
38.47725	103.31580	21.61000	0.087329	21.538	-0.14061	-2.2305	22.754E-6
41.04240	103.31580	21.61000	0.042939	21.538	-0.24426	-2.9462	27.846E-6
43.60755	103.31580	21.61000	-0.027399	21.538	-0.43549	-3.9478	33.229E-6
46.17270	103.31580	21.61000	-0.12833	21.538	-0.77041	-5.2914	37.491E-6
48.73785	103.31580	21.61000	-0.25210	21.538	-1.2641	-6.8938	39.017E-6
51.30300	103.31580	21.61000	-0.36735	21.538	-1.7688	-8.3935	38.835E-6
53.86815	103.31580	21.61000	-0.43010	21.538	-2.0110	-9.2742	40.775E-6
56.43330	103.31580	21.61000	-0.41844	21.538	-1.8677	-9.2809	46.268E-6
58.99845	103.31580	21.61000	-0.34890	21.538	-1.4928	-8.6150	52.041E-6
61.56360	103.31580	21.61000	-0.25457	21.538	-1.1212	-7.6679	54.150E-6
64.12875	103.31580	21.61000	-0.15660	21.538	-0.83607	-6.6782	52.459E-6
66.69390	103.31580	21.61000	-0.062834	21.538	-0.61425	-5.7240	48.827E-6
69.25905	103.31580	21.61000	0.021813	21.538	-0.43528	-4.8529	44.622E-6
71.82420	103.31580	21.61000	0.092303	21.538	-0.29928	-4.1188	40.520E-6

74.38935	103.31580	21.61000	0.14560	21.538	-0.20672	-3.5556	36.928E-6
76.95450	103.31580	21.61000	0.18176	21.538	-0.15048	-3.1633	34.116E-6
79.51965	103.31580	21.61000	0.20291	21.538	-0.12044	-2.9193	32.179E-6
82.08480	103.31580	21.61000	0.21197	21.538	-0.10789	-2.7921	31.053E-6
84.64995	103.31580	21.61000	0.21201	21.538	-0.10634	-2.7484	30.562E-6
87.21510	103.31580	21.61000	0.20607	21.538	-0.11089	-2.7547	30.469E-6
89.78025	103.31580	21.61000	0.19708	21.538	-0.11750	-2.7783	30.517E-6
92.34540	103.31580	21.61000	0.18763	21.538	-0.12287	-2.7900	30.461E-6
94.91055	103.31580	21.61000	0.17975	21.538	-0.12460	-2.7668	30.104E-6
97.47570	103.31580	21.61000	0.17461	21.538	-0.12149	-2.6955	29.324E-6
100.04085	103.31580	21.61000	0.17248	21.538	-0.11353	-2.5732	28.086E-6
102.60600	103.31580	21.61000	0.17284	21.538	-0.10170	-2.4063	26.433E-6
105.17115	103.31580	21.61000	0.17468	21.538	-0.087598	-2.2075	24.465E-6
107.73630	103.31580	21.61000	0.17682	21.538	-0.072929	-1.9921	22.309E-6
110.30145	103.31580	21.61000	0.17820	21.538	-0.059098	-1.7746	20.094E-6
112.86660	103.31580	21.61000	0.17813	21.538	-0.046965	-1.5659	17.927E-6
115.43175	103.31580	21.61000	0.17628	21.538	-0.036863	-1.3734	15.886E-6
117.99690	103.31580	21.61000	0.17266	21.538	-0.028747	-1.2004	14.017E-6
120.56205	103.31580	21.61000	0.16748	21.538	-0.022375	-1.0479	12.339E-6
123.12720	103.31580	21.61000	0.16106	21.538	-0.017440	-0.91509	10.854E-6
125.69235	103.31580	21.61000	0.15375	21.538	-0.013643	-0.80023	9.5521E-6
128.25750	103.31580	21.61000	0.14587	21.538	-0.010727	-0.70133	8.4180E-6
130.82265	103.31580	21.61000	0.13771	21.538	-0.0084852	-0.61632	7.4332E-6
133.38780	103.31580	21.61000	0.12948	21.538	-0.0067553	-0.54325	6.5792E-6
135.95295	103.31580	21.61000	0.12136	21.538	-0.0054140	-0.48038	5.8389E-6
138.51810	103.31580	21.61000	0.11348	21.538	-0.0043683	-0.42617	5.1964E-6
141.08325	103.31580	21.61000	0.10592	21.538	-0.0035480	-0.37933	4.6381E-6
143.64840	103.31580	21.61000	0.098740	21.538	-0.0029004	-0.33873	4.1518E-6
146.21355	103.31580	21.61000	0.091970	21.538	-0.0023859	-0.30345	3.7274E-6
148.77870	103.31580	21.61000	0.085622	21.538	-0.0019746	-0.27269	3.3559E-6
151.34385	103.31580	21.61000	0.079698	21.538	-0.0016437	-0.24578	3.0300E-6
153.90900	103.31580	21.61000	0.074188	21.538	-0.0013758	-0.22218	2.7431E-6 !
0.00000	105.77570	21.61000	0.062998	21.538	-0.0010429	-0.18023	2.2279E-6
2.56515	105.77570	21.61000	0.067783	21.538	-0.0012731	-0.20040	2.4730E-6
5.13030	105.77570	21.61000	0.072949	21.538	-0.0015688	-0.22381	2.7564E-6
7.69545	105.77570	21.61000	0.078503	21.538	-0.0019536	-0.25118	3.0861E-6
10.26060	105.77570	21.61000	0.084439	21.538	-0.0024606	-0.28339	3.4722E-6
12.82575	105.77570	21.61000	0.090728	21.538	-0.0031384	-0.32161	3.9275E-6
15.39090	105.77570	21.61000	0.097311	21.538	-0.0040587	-0.36736	4.4682E-6
17.95605	105.77570	21.61000	0.10408	21.538	-0.0053295	-0.42262	5.1155E-6
20.52120	105.77570	21.61000	0.11085	21.538	-0.0071168	-0.49007	5.8966E-6
23.08635	105.77570	21.61000	0.11735	21.538	-0.0096813	-0.57332	6.8471E-6
25.65150	105.77570	21.61000	0.12312	21.538	-0.013441	-0.67731	8.0134E-6
28.21665	105.77570	21.61000	0.12753	21.538	-0.019082	-0.80886	9.4554E-6
30.78180	105.77570	21.61000	0.12960	21.538	-0.027753	-0.97747	11.249E-6
33.34695	105.77570	21.61000	0.12798	21.538	-0.041411	-1.1963	13.487E-6
35.91210	105.77570	21.61000	0.12074	21.538	-0.063424	-1.4835	16.269E-6
38.47725	105.77570	21.61000	0.10542	21.538	-0.099531	-1.8628	19.678E-6

41.04240	105.77570	21.61000	0.079138	21.538	-0.15902	-2.3622	23.716E-6
43.60755	105.77570	21.61000	0.039471	21.538	-0.25476	-3.0057	28.198E-6
46.17270	105.77570	21.61000	-0.013373	21.538	-0.39746	-3.7895	32.672E-6
48.73785	105.77570	21.61000	-0.073060	21.538	-0.57761	-4.6419	36.596E-6
51.30300	105.77570	21.61000	-0.12532	21.538	-0.74554	-5.4001	39.797E-6
53.86815	105.77570	21.61000	-0.15327	21.538	-0.83069	-5.8703	42.499E-6
56.43330	105.77570	21.61000	-0.14822	21.538	-0.80091	-5.9531	44.664E-6
58.99845	105.77570	21.61000	-0.11478	21.538	-0.68970	-5.7021	45.704E-6
61.56360	105.77570	21.61000	-0.064937	21.538	-0.55654	-5.2544	45.098E-6
64.12875	105.77570	21.61000	-0.0092221	21.538	-0.43591	-4.7270	43.014E-6
66.69390	105.77570	21.61000	0.045967	21.538	-0.33425	-4.1880	40.071E-6
69.25905	105.77570	21.61000	0.096545	21.538	-0.25041	-3.6809	36.856E-6
71.82420	105.77570	21.61000	0.13948	21.538	-0.18467	-3.2391	33.779E-6
74.38935	105.77570	21.61000	0.17294	21.538	-0.13712	-2.8838	31.104E-6
76.95450	105.77570	21.61000	0.19656	21.538	-0.10578	-2.6208	28.978E-6
79.51965	105.77570	21.61000	0.21111	21.538	-0.087257	-2.4428	27.438E-6
82.08480	105.77570	21.61000	0.21803	21.538	-0.078007	-2.3351	26.432E-6
84.64995	105.77570	21.61000	0.21903	21.538	-0.074932	-2.2792	25.845E-6
87.21510	105.77570	21.61000	0.21592	21.538	-0.075447	-2.2554	25.526E-6
89.78025	105.77570	21.61000	0.21040	21.538	-0.077390	-2.2440	25.309E-6
92.34540	105.77570	21.61000	0.20402	21.538	-0.079010	-2.2275	25.041E-6
94.91055	105.77570	21.61000	0.19797	21.538	-0.079042	-2.1922	24.595E-6
97.47570	105.77570	21.61000	0.19297	21.538	-0.076799	-2.1296	23.892E-6
100.04085	105.77570	21.61000	0.18928	21.538	-0.072177	-2.0370	22.902E-6
102.60600	105.77570	21.61000	0.18671	21.538	-0.065564	-1.9173	21.645E-6
105.17115	105.77570	21.61000	0.18480	21.538	-0.057666	-1.7768	20.176E-6
107.73630	105.77570	21.61000	0.18296	21.538	-0.049285	-1.6241	18.572E-6
110.30145	105.77570	21.61000	0.18066	21.538	-0.041133	-1.4677	16.912E-6
112.86660	105.77570	21.61000	0.17751	21.538	-0.033706	-1.3147	15.266E-6
115.43175	105.77570	21.61000	0.17332	21.538	-0.027265	-1.1701	13.691E-6
117.99690	105.77570	21.61000	0.16807	21.538	-0.021876	-1.0372	12.222E-6
120.56205	105.77570	21.61000	0.16189	21.538	-0.017477	-0.91721	10.879E-6
123.12720	105.77570	21.61000	0.15496	21.538	-0.013947	-0.81046	9.6693E-6
125.69235	105.77570	21.61000	0.14750	21.538	-0.011142	-0.71634	8.5912E-6
128.25750	105.77570	21.61000	0.13973	21.538	-0.0089260	-0.63385	7.6371E-6
130.82265	105.77570	21.61000	0.13184	21.538	-0.0071780	-0.56182	6.7969E-6
133.38780	105.77570	21.61000	0.12398	21.538	-0.0057986	-0.49902	6.0589E-6
135.95295	105.77570	21.61000	0.11628	21.538	-0.0047079	-0.44430	5.4117E-6
138.51810	105.77570	21.61000	0.10884	21.538	-0.0038425	-0.39660	4.8442E-6
141.08325	105.77570	21.61000	0.10171	21.538	-0.0031530	-0.35495	4.3463E-6
143.64840	105.77570	21.61000	0.094948	21.538	-0.0026012	-0.31854	3.9091E-6
146.21355	105.77570	21.61000	0.088565	21.538	-0.0021573	-0.28663	3.5245E-6
148.77870	105.77570	21.61000	0.082574	21.538	-0.0017986	-0.25861	3.1855E-6
151.34385	105.77570	21.61000	0.076974	21.538	-0.0015071	-0.23395	2.8862E-6
153.90900	105.77570	21.61000	0.071756	21.538	-0.0012691	-0.21218	2.6213E-6 !
0.00000	108.23560	21.61000	0.061354	21.538	-986.52E-6	-0.17420	2.1542E-6
2.56515	108.23560	21.61000	0.065937	21.538	-0.0011986	-0.19320	2.3852E-6
5.13030	108.23560	21.61000	0.070878	21.538	-0.0014692	-0.21516	2.6512E-6

7.69545	108.23560	21.61000	0.076185	21.538	-0.0018183	-0.24068	2.9591E-6
10.26060	108.23560	21.61000	0.081853	21.538	-0.0022740	-0.27054	3.3176E-6
12.82575	108.23560	21.61000	0.087860	21.538	-0.0028765	-0.30571	3.7374E-6
15.39090	108.23560	21.61000	0.094158	21.538	-0.0036838	-0.34746	4.2321E-6
17.95605	108.23560	21.61000	0.10066	21.538	-0.0047815	-0.39740	4.8189E-6
20.52120	108.23560	21.61000	0.10723	21.538	-0.0062974	-0.45765	5.5196E-6
23.08635	108.23560	21.61000	0.11364	21.538	-0.0084253	-0.53098	6.3618E-6
25.65150	108.23560	21.61000	0.11956	21.538	-0.011463	-0.62105	7.3803E-6
28.21665	108.23560	21.61000	0.12453	21.538	-0.015876	-0.73268	8.6181E-6
30.78180	108.23560	21.61000	0.12788	21.538	-0.022393	-0.87220	10.127E-6
33.34695	108.23560	21.61000	0.12873	21.538	-0.032163	-1.0477	11.967E-6
35.91210	108.23560	21.61000	0.12594	21.538	-0.046963	-1.2694	14.196E-6
38.47725	108.23560	21.61000	0.11820	21.538	-0.069427	-1.5484	16.859E-6
41.04240	108.23560	21.61000	0.10428	21.538	-0.10306	-1.8950	19.950E-6
43.60755	108.23560	21.61000	0.083615	21.538	-0.15138	-2.3121	23.373E-6
46.17270	108.23560	21.61000	0.057311	21.538	-0.21512	-2.7845	26.911E-6
48.73785	108.23560	21.61000	0.029238	21.538	-0.28730	-3.2671	30.258E-6
51.30300	108.23560	21.61000	0.0059745	21.538	-0.35070	-3.6845	33.116E-6
53.86815	108.23560	21.61000	-0.0055340	21.538	-0.38488	-3.9573	35.258E-6
56.43330	108.23560	21.61000	-0.0015734	21.538	-0.38022	-4.0426	36.507E-6
58.99845	108.23560	21.61000	0.016612	21.538	-0.34434	-3.9535	36.740E-6
61.56360	108.23560	21.61000	0.044427	21.538	-0.29367	-3.7407	35.975E-6
64.12875	108.23560	21.61000	0.076813	21.538	-0.24131	-3.4596	34.415E-6
66.69390	108.23560	21.61000	0.10980	21.538	-0.19334	-3.1532	32.371E-6
69.25905	108.23560	21.61000	0.14057	21.538	-0.15201	-2.8530	30.154E-6
71.82420	108.23560	21.61000	0.16711	21.538	-0.11839	-2.5817	28.010E-6
74.38935	108.23560	21.61000	0.18824	21.538	-0.092878	-2.3542	26.111E-6
76.95450	108.23560	21.61000	0.20355	21.538	-0.074979	-2.1766	24.552E-6
79.51965	108.23560	21.61000	0.21328	21.538	-0.063513	-2.0475	23.361E-6
82.08480	108.23560	21.61000	0.21814	21.538	-0.057004	-1.9603	22.510E-6
84.64995	108.23560	21.61000	0.21907	21.538	-0.053974	-1.9050	21.928E-6
87.21510	108.23560	21.61000	0.21711	21.538	-0.053078	-1.8700	21.521E-6
89.78025	108.23560	21.61000	0.21328	21.538	-0.053149	-1.8436	21.187E-6
92.34540	108.23560	21.61000	0.20848	21.538	-0.053230	-1.8153	20.828E-6
94.91055	108.23560	21.61000	0.20345	21.538	-0.052622	-1.7765	20.363E-6
97.47570	108.23560	21.61000	0.19863	21.538	-0.050920	-1.7218	19.738E-6
100.04085	108.23560	21.61000	0.19423	21.538	-0.048017	-1.6491	18.933E-6
102.60600	108.23560	21.61000	0.19023	21.538	-0.044061	-1.5594	17.955E-6
105.17115	108.23560	21.61000	0.18642	21.538	-0.039371	-1.4562	16.834E-6
107.73630	108.23560	21.61000	0.18252	21.538	-0.034337	-1.3443	15.615E-6
110.30145	108.23560	21.61000	0.17827	21.538	-0.029330	-1.2286	14.350E-6
112.86660	108.23560	21.61000	0.17348	21.538	-0.024635	-1.1139	13.083E-6
115.43175	108.23560	21.61000	0.16805	21.538	-0.020430	-1.0036	11.854E-6
117.99690	108.23560	21.61000	0.16198	21.538	-0.016791	-0.90017	10.691E-6
120.56205	108.23560	21.61000	0.15535	21.538	-0.013723	-0.80510	9.6103E-6
123.12720	108.23560	21.61000	0.14828	21.538	-0.011182	-0.71891	8.6220E-6
125.69235	108.23560	21.61000	0.14091	21.538	-0.0091057	-0.64160	7.7278E-6
128.25750	108.23560	21.61000	0.13339	21.538	-0.0074212	-0.57276	6.9253E-6

130.82265	108.23560	21.61000	0.12585	21.538	-0.0060610	-0.51176	6.2092E-6
133.38780	108.23560	21.61000	0.11841	21.538	-0.0049649	-0.45787	5.5727E-6
135.95295	108.23560	21.61000	0.11116	21.538	-0.0040815	-0.41035	5.0082E-6
138.51810	108.23560	21.61000	0.10416	21.538	-0.0033687	-0.36847	4.5082E-6
141.08325	108.23560	21.61000	0.097474	21.538	-0.0027921	-0.33155	4.0656E-6
143.64840	108.23560	21.61000	0.091122	21.538	-0.0023244	-0.29899	3.6736E-6
146.21355	108.23560	21.61000	0.085125	21.538	-0.0019435	-0.27023	3.3262E-6
148.77870	108.23560	21.61000	0.079489	21.538	-0.0016323	-0.24479	3.0179E-6
151.34385	108.23560	21.61000	0.074212	21.538	-0.0013769	-0.22225	2.7440E-6
153.90900	108.23560	21.61000	0.069286	21.538	-0.0011665	-0.20224	2.5002E-6 !
0.00000	110.69550	21.61000	0.059633	21.538	-927.49E-6	-0.16789	2.0771E-6
2.56515	110.69550	21.61000	0.064008	21.538	-0.0011211	-0.18569	2.2938E-6
5.13030	110.69550	21.61000	0.068718	21.538	-0.0013661	-0.20616	2.5420E-6
7.69545	110.69550	21.61000	0.073770	21.538	-0.0016794	-0.22982	2.8277E-6
10.26060	110.69550	21.61000	0.079162	21.538	-0.0020840	-0.25730	3.1583E-6
12.82575	110.69550	21.61000	0.084877	21.538	-0.0026124	-0.28943	3.5425E-6
15.39090	110.69550	21.61000	0.090878	21.538	-0.0033106	-0.32722	3.9916E-6
17.95605	110.69550	21.61000	0.097098	21.538	-0.0042443	-0.37196	4.5191E-6
20.52120	110.69550	21.61000	0.10343	21.538	-0.0055088	-0.42527	5.1421E-6
23.08635	110.69550	21.61000	0.10970	21.538	-0.0072431	-0.48922	5.8811E-6
25.65150	110.69550	21.61000	0.11568	21.538	-0.0096519	-0.56642	6.7614E-6
28.21665	110.69550	21.61000	0.12104	21.538	-0.013037	-0.66013	7.8126E-6
30.78180	110.69550	21.61000	0.12533	21.538	-0.017840	-0.77438	9.0685E-6
33.34695	110.69550	21.61000	0.12799	21.538	-0.024702	-0.91387	10.564E-6
35.91210	110.69550	21.61000	0.12837	21.538	-0.034509	-1.0838	12.332E-6
38.47725	110.69550	21.61000	0.12581	21.538	-0.048394	-1.2888	14.386E-6
41.04240	110.69550	21.61000	0.11982	21.538	-0.067560	-1.5312	16.712E-6
43.60755	110.69550	21.61000	0.11043	21.538	-0.092729	-1.8076	19.240E-6
46.17270	110.69550	21.61000	0.098567	21.538	-0.12307	-2.1047	21.833E-6
48.73785	110.69550	21.61000	0.086405	21.538	-0.15495	-2.3959	24.293E-6
51.30300	110.69550	21.61000	0.077061	21.538	-0.18198	-2.6445	26.400E-6
53.86815	110.69550	21.61000	0.073591	21.538	-0.19741	-2.8147	27.958E-6
56.43330	110.69550	21.61000	0.077684	21.538	-0.19791	-2.8861	28.838E-6
58.99845	110.69550	21.61000	0.089012	21.538	-0.18531	-2.8612	29.000E-6
61.56360	110.69550	21.61000	0.10568	21.538	-0.16463	-2.7600	28.508E-6
64.12875	110.69550	21.61000	0.12525	21.538	-0.14091	-2.6091	27.505E-6
66.69390	110.69550	21.61000	0.14545	21.538	-0.11752	-2.4335	26.179E-6
69.25905	110.69550	21.61000	0.16452	21.538	-0.096354	-2.2535	24.713E-6
71.82420	110.69550	21.61000	0.18115	21.538	-0.078444	-2.0844	23.262E-6
74.38935	110.69550	21.61000	0.19457	21.538	-0.064259	-1.9367	21.939E-6
76.95450	110.69550	21.61000	0.20441	21.538	-0.053778	-1.8158	20.813E-6
79.51965	110.69550	21.61000	0.21074	21.538	-0.046603	-1.7222	19.907E-6
82.08480	110.69550	21.61000	0.21389	21.538	-0.042110	-1.6533	19.209E-6
84.64995	110.69550	21.61000	0.21439	21.538	-0.039589	-1.6037	18.680E-6
87.21510	110.69550	21.61000	0.21281	21.538	-0.038343	-1.5668	18.263E-6
89.78025	110.69550	21.61000	0.20978	21.538	-0.037737	-1.5356	17.894E-6
92.34540	110.69550	21.61000	0.20583	21.538	-0.037237	-1.5037	17.511E-6
94.91055	110.69550	21.61000	0.20139	21.538	-0.036448	-1.4657	17.064E-6

97.47570	110.69550	21.61000	0.19678	21.538	-0.035126	-1.4183	16.516E-6
100.04085	110.69550	21.61000	0.19215	21.538	-0.033185	-1.3597	15.853E-6
102.60600	110.69550	21.61000	0.18752	21.538	-0.030673	-1.2903	15.075E-6
105.17115	110.69550	21.61000	0.18283	21.538	-0.027739	-1.2120	14.201E-6
107.73630	110.69550	21.61000	0.17796	21.538	-0.024576	-1.1275	13.257E-6
110.30145	110.69550	21.61000	0.17279	21.538	-0.021383	-1.0399	12.275E-6
112.86660	110.69550	21.61000	0.16725	21.538	-0.018323	-0.95203	11.285E-6
115.43175	110.69550	21.61000	0.16128	21.538	-0.015511	-0.86650	10.315E-6
117.99690	110.69550	21.61000	0.15491	21.538	-0.013010	-0.78511	9.3858E-6
120.56205	110.69550	21.61000	0.14819	21.538	-0.010844	-0.70909	8.5112E-6
123.12720	110.69550	21.61000	0.14123	21.538	-0.0090012	-0.63910	7.7003E-6
125.69235	110.69550	21.61000	0.13410	21.538	-0.0074564	-0.57536	6.9567E-6
128.25750	110.69550	21.61000	0.12694	21.538	-0.0061736	-0.51779	6.2808E-6
130.82265	110.69550	21.61000	0.11982	21.538	-0.0051152	-0.46609	5.6704E-6
133.38780	110.69550	21.61000	0.11282	21.538	-0.0042453	-0.41986	5.1217E-6
135.95295	110.69550	21.61000	0.10603	21.538	-0.0035316	-0.37864	4.6301E-6
138.51810	110.69550	21.61000	0.099492	21.538	-0.0029463	-0.34194	4.1904E-6
141.08325	110.69550	21.61000	0.093238	21.538	-0.0024659	-0.30928	3.7977E-6
143.64840	110.69550	21.61000	0.087296	21.538	-0.0020710	-0.28023	3.4472E-6
146.21355	110.69550	21.61000	0.081679	21.538	-0.0017457	-0.25437	3.1342E-6
148.77870	110.69550	21.61000	0.076393	21.538	-0.0014768	-0.23134	2.8545E-6
151.34385	110.69550	21.61000	0.071435	21.538	-0.0012540	-0.21080	2.6045E-6
153.90900	110.69550	21.61000	0.066797	21.538	-0.0010688	-0.19245	2.3807E-6 !
0.00000	113.15540	21.61000	0.057852	21.538	-867.13E-6	-0.16139	1.9976E-6
2.56515	113.15540	21.61000	0.062015	21.538	-0.0010423	-0.17799	2.1998E-6
5.13030	113.15540	21.61000	0.066488	21.538	-0.0012622	-0.19697	2.4303E-6
7.69545	113.15540	21.61000	0.071281	21.538	-0.0015404	-0.21877	2.6940E-6
10.26060	113.15540	21.61000	0.076391	21.538	-0.0018959	-0.24391	2.9969E-6
12.82575	113.15540	21.61000	0.081808	21.538	-0.0023541	-0.27307	3.3464E-6
15.39090	113.15540	21.61000	0.087501	21.538	-0.0029505	-0.30705	3.7514E-6
17.95605	113.15540	21.61000	0.093420	21.538	-0.0037346	-0.34684	4.2223E-6
20.52120	113.15540	21.61000	0.099482	21.538	-0.0047751	-0.39366	4.7721E-6
23.08635	113.15540	21.61000	0.10557	21.538	-0.0061692	-0.44900	5.4157E-6
25.65150	113.15540	21.61000	0.11150	21.538	-0.0080525	-0.51467	6.1708E-6
28.21665	113.15540	21.61000	0.11706	21.538	-0.010614	-0.59280	7.0569E-6
30.78180	113.15540	21.61000	0.12196	21.538	-0.014113	-0.68580	8.0949E-6
33.34695	113.15540	21.61000	0.12583	21.538	-0.018890	-0.79625	9.3040E-6
35.91210	113.15540	21.61000	0.12832	21.538	-0.025368	-0.92650	10.698E-6
38.47725	113.15540	21.61000	0.12908	21.538	-0.034003	-1.0780	12.278E-6
41.04240	113.15540	21.61000	0.12794	21.538	-0.045151	-1.2501	14.023E-6
43.60755	113.15540	21.61000	0.12504	21.538	-0.058801	-1.4385	15.877E-6
46.17270	113.15540	21.61000	0.12101	21.538	-0.074201	-1.6334	17.748E-6
48.73785	113.15540	21.61000	0.11702	21.538	-0.089579	-1.8195	19.508E-6
51.30300	113.15540	21.61000	0.11458	21.538	-0.10235	-1.9776	21.016E-6
53.86815	113.15540	21.61000	0.11510	21.538	-0.11002	-2.0904	22.145E-6
56.43330	113.15540	21.61000	0.11938	21.538	-0.11127	-2.1473	22.814E-6
58.99845	113.15540	21.61000	0.12733	21.538	-0.10655	-2.1482	23.003E-6
61.56360	113.15540	21.61000	0.13811	21.538	-0.097554	-2.1014	22.755E-6

64.12875	113.15540	21.61000	0.15051	21.538	-0.086315	-2.0204	22.159E-6
66.69390	113.15540	21.61000	0.16329	21.538	-0.074516	-1.9190	21.329E-6
69.25905	113.15540	21.61000	0.17536	21.538	-0.063324	-1.8099	20.379E-6
71.82420	113.15540	21.61000	0.18594	21.538	-0.053473	-1.7033	19.410E-6
74.38935	113.15540	21.61000	0.19450	21.538	-0.045354	-1.6063	18.496E-6
76.95450	113.15540	21.61000	0.20078	21.538	-0.039077	-1.5232	17.687E-6
79.51965	113.15540	21.61000	0.20476	21.538	-0.034528	-1.4552	17.004E-6
82.08480	113.15540	21.61000	0.20662	21.538	-0.031447	-1.4014	16.443E-6
84.64995	113.15540	21.61000	0.20662	21.538	-0.029491	-1.3591	15.985E-6
87.21510	113.15540	21.61000	0.20511	21.538	-0.028298	-1.3245	15.594E-6
89.78025	113.15540	21.61000	0.20246	21.538	-0.027519	-1.2935	15.234E-6
92.34540	113.15540	21.61000	0.19898	21.538	-0.026857	-1.2621	14.864E-6
94.91055	113.15540	21.61000	0.19495	21.538	-0.026081	-1.2271	14.452E-6
97.47570	113.15540	21.61000	0.19057	21.538	-0.025044	-1.1861	13.976E-6
100.04085	113.15540	21.61000	0.18596	21.538	-0.023681	-1.1381	13.424E-6
102.60600	113.15540	21.61000	0.18116	21.538	-0.022005	-1.0832	12.796E-6
105.17115	113.15540	21.61000	0.17616	21.538	-0.020083	-1.0221	12.101E-6
107.73630	113.15540	21.61000	0.17094	21.538	-0.018014	-0.95673	11.356E-6
110.30145	113.15540	21.61000	0.16545	21.538	-0.015906	-0.88882	10.581E-6
112.86660	113.15540	21.61000	0.15967	21.538	-0.013853	-0.82034	9.7971E-6
115.43175	113.15540	21.61000	0.15359	21.538	-0.011929	-0.75300	9.0227E-6
117.99690	113.15540	21.61000	0.14725	21.538	-0.010181	-0.68817	8.2731E-6
120.56205	113.15540	21.61000	0.14070	21.538	-0.0086301	-0.62684	7.5600E-6
123.12720	113.15540	21.61000	0.13400	21.538	-0.0072812	-0.56961	6.8910E-6
125.69235	113.15540	21.61000	0.12724	21.538	-0.0061248	-0.51682	6.2705E-6
128.25750	113.15540	21.61000	0.12048	21.538	-0.0051442	-0.46853	5.7000E-6
130.82265	113.15540	21.61000	0.11381	21.538	-0.0043192	-0.42465	5.1791E-6
133.38780	113.15540	21.61000	0.10728	21.538	-0.0036286	-0.38497	4.7060E-6
135.95295	113.15540	21.61000	0.10096	21.538	-0.0030526	-0.34922	4.2780E-6
138.51810	113.15540	21.61000	0.094864	21.538	-0.0025729	-0.31707	3.8917E-6
141.08325	113.15540	21.61000	0.089038	21.538	-0.0021737	-0.28822	3.5439E-6
143.64840	113.15540	21.61000	0.083497	21.538	-0.0018413	-0.26235	3.2309E-6
146.21355	113.15540	21.61000	0.078252	21.538	-0.0015642	-0.23914	2.9494E-6
148.77870	113.15540	21.61000	0.073308	21.538	-0.0013328	-0.21833	2.6963E-6
151.34385	113.15540	21.61000	0.068660	21.538	-0.0011392	-0.19965	2.4687E-6
153.90900	113.15540	21.61000	0.064305	21.538	-976.75E-6	-0.18287	2.2637E-6 !
0.00000	115.61530	21.61000	0.056026	21.538	-806.60E-6	-0.15478	1.9167E-6
2.56515	115.61530	21.61000	0.059973	21.538	-963.88E-6	-0.17019	2.1046E-6
5.13030	115.61530	21.61000	0.064209	21.538	-0.0011595	-0.18770	2.3176E-6
7.69545	115.61530	21.61000	0.068739	21.538	-0.0014045	-0.20769	2.5597E-6
10.26060	115.61530	21.61000	0.073566	21.538	-0.0017139	-0.23058	2.8360E-6
12.82575	115.61530	21.61000	0.078678	21.538	-0.0021074	-0.25689	3.1522E-6
15.39090	115.61530	21.61000	0.084056	21.538	-0.0026118	-0.28727	3.5153E-6
17.95605	115.61530	21.61000	0.089660	21.538	-0.0032633	-0.32245	3.9333E-6
20.52120	115.61530	21.61000	0.095428	21.538	-0.0041107	-0.36334	4.4158E-6
23.08635	115.61530	21.61000	0.10127	21.538	-0.0052198	-0.41098	4.9732E-6
25.65150	115.61530	21.61000	0.10707	21.538	-0.0066783	-0.46658	5.6176E-6
28.21665	115.61530	21.61000	0.11267	21.538	-0.0086014	-0.53146	6.3612E-6

30.78180	115.61530	21.61000	0.11788	21.538	-0.011135	-0.60701	7.2160E-6
33.34695	115.61530	21.61000	0.12247	21.538	-0.014456	-0.69452	8.1915E-6
35.91210	115.61530	21.61000	0.12623	21.538	-0.018755	-0.79485	9.2915E-6
38.47725	115.61530	21.61000	0.12899	21.538	-0.024200	-0.90802	10.510E-6
41.04240	115.61530	21.61000	0.13068	21.538	-0.030858	-1.0325	11.825E-6
43.60755	115.61530	21.61000	0.13143	21.538	-0.038579	-1.1645	13.194E-6
46.17270	115.61530	21.61000	0.13161	21.538	-0.046876	-1.2975	14.554E-6
48.73785	115.61530	21.61000	0.13183	21.538	-0.054872	-1.4224	15.823E-6
51.30300	115.61530	21.61000	0.13283	21.538	-0.061446	-1.5287	16.912E-6
53.86815	115.61530	21.61000	0.13529	21.538	-0.065563	-1.6072	17.745E-6
56.43330	115.61530	21.61000	0.13959	21.538	-0.066662	-1.6523	18.270E-6
58.99845	115.61530	21.61000	0.14570	21.538	-0.064838	-1.6632	18.476E-6
61.56360	115.61530	21.61000	0.15321	21.538	-0.060719	-1.6437	18.386E-6
64.12875	115.61530	21.61000	0.16150	21.538	-0.055172	-1.6006	18.054E-6
66.69390	115.61530	21.61000	0.16989	21.538	-0.049023	-1.5420	17.548E-6
69.25905	115.61530	21.61000	0.17774	21.538	-0.042935	-1.4754	16.941E-6
71.82420	115.61530	21.61000	0.18458	21.538	-0.037370	-1.4075	16.297E-6
74.38935	115.61530	21.61000	0.19007	21.538	-0.032609	-1.3432	15.667E-6
76.95450	115.61530	21.61000	0.19404	21.538	-0.028772	-1.2856	15.087E-6
79.51965	115.61530	21.61000	0.19644	21.538	-0.025850	-1.2360	14.573E-6
82.08480	115.61530	21.61000	0.19736	21.538	-0.023737	-1.1943	14.128E-6
84.64995	115.61530	21.61000	0.19694	21.538	-0.022269	-1.1591	13.742E-6
87.21510	115.61530	21.61000	0.19540	21.538	-0.021256	-1.1285	13.394E-6
89.78025	115.61530	21.61000	0.19294	21.538	-0.020510	-1.0999	13.063E-6
92.34540	115.61530	21.61000	0.18977	21.538	-0.019859	-1.0709	12.723E-6
94.91055	115.61530	21.61000	0.18605	21.538	-0.019171	-1.0396	12.355E-6
97.47570	115.61530	21.61000	0.18192	21.538	-0.018353	-1.0045	11.944E-6
100.04085	115.61530	21.61000	0.17747	21.538	-0.017362	-0.96472	11.481E-6
102.60600	115.61530	21.61000	0.17274	21.538	-0.016197	-0.92030	10.966E-6
105.17115	115.61530	21.61000	0.16777	21.538	-0.014887	-0.87176	10.405E-6
107.73630	115.61530	21.61000	0.16255	21.538	-0.013485	-0.82007	9.8077E-6
110.30145	115.61530	21.61000	0.15708	21.538	-0.012049	-0.76645	9.1873E-6
112.86660	115.61530	21.61000	0.15137	21.538	-0.010636	-0.71216	8.5577E-6
115.43175	115.61530	21.61000	0.14544	21.538	-0.0092901	-0.65840	7.9322E-6
117.99690	115.61530	21.61000	0.13933	21.538	-0.0080454	-0.60617	7.3221E-6
120.56205	115.61530	21.61000	0.13308	21.538	-0.0069203	-0.55623	6.7363E-6
123.12720	115.61530	21.61000	0.12675	21.538	-0.0059224	-0.50912	6.1812E-6
125.69235	115.61530	21.61000	0.12041	21.538	-0.0050504	-0.46516	5.6612E-6
128.25750	115.61530	21.61000	0.11410	21.538	-0.0042971	-0.42451	5.1782E-6
130.82265	115.61530	21.61000	0.10790	21.538	-0.0036520	-0.38718	4.7329E-6
133.38780	115.61530	21.61000	0.10184	21.538	-0.0031030	-0.35307	4.3246E-6
135.95295	115.61530	21.61000	0.095966	21.538	-0.0026380	-0.32205	3.9518E-6
138.51810	115.61530	21.61000	0.090313	21.538	-0.0022451	-0.29390	3.6126E-6
141.08325	115.61530	21.61000	0.084903	21.538	-0.0019138	-0.26843	3.3047E-6
143.64840	115.61530	21.61000	0.079751	21.538	-0.0016345	-0.24541	3.0256E-6
146.21355	115.61530	21.61000	0.074866	21.538	-0.0013991	-0.22461	2.7729E-6
148.77870	115.61530	21.61000	0.070252	21.538	-0.0012004	-0.20584	2.5442E-6
151.34385	115.61530	21.61000	0.065907	21.538	-0.0010326	-0.18888	2.3372E-6

153.90900	115.61530	21.61000	0.061825	21.538	-890.65E-6	-0.17356	2.1499E-6 !
0.00000	118.07520	21.61000	0.054167	21.538	-746.91E-6	-0.14813	1.8353E-6
2.56515	118.07520	21.61000	0.057899	21.538	-887.15E-6	-0.16238	2.0092E-6
5.13030	118.07520	21.61000	0.061897	21.538	-0.0010599	-0.17847	2.2052E-6
7.69545	118.07520	21.61000	0.066167	21.538	-0.0012741	-0.19672	2.4266E-6
10.26060	118.07520	21.61000	0.070708	21.538	-0.0015412	-0.21746	2.6775E-6
12.82575	118.07520	21.61000	0.075516	21.538	-0.0018764	-0.24110	2.9623E-6
15.39090	118.07520	21.61000	0.080574	21.538	-0.0022996	-0.26814	3.2865E-6
17.95605	118.07520	21.61000	0.085852	21.538	-0.0028367	-0.29912	3.6559E-6
20.52120	118.07520	21.61000	0.091305	21.538	-0.0035215	-0.33469	4.0775E-6
23.08635	118.07520	21.61000	0.096869	21.538	-0.0043978	-0.37555	4.5585E-6
25.65150	118.07520	21.61000	0.10246	21.538	-0.0055209	-0.42250	5.1067E-6
28.21665	118.07520	21.61000	0.10796	21.538	-0.0069592	-0.47631	5.7294E-6
30.78180	118.07520	21.61000	0.11324	21.538	-0.0087931	-0.53774	6.4330E-6
33.34695	118.07520	21.61000	0.11818	21.538	-0.011110	-0.60732	7.2209E-6
35.91210	118.07520	21.61000	0.12262	21.538	-0.013992	-0.68521	8.0919E-6
38.47725	118.07520	21.61000	0.12648	21.538	-0.017488	-0.77084	9.0373E-6
41.04240	118.07520	21.61000	0.12973	21.538	-0.021579	-0.86266	10.038E-6
43.60755	118.07520	21.61000	0.13243	21.538	-0.026127	-0.95775	11.063E-6
46.17270	118.07520	21.61000	0.13480	21.538	-0.030841	-1.0517	12.067E-6
48.73785	118.07520	21.61000	0.13714	21.538	-0.035274	-1.1391	12.998E-6
51.30300	118.07520	21.61000	0.13981	21.538	-0.038903	-1.2138	13.802E-6
53.86815	118.07520	21.61000	0.14315	21.538	-0.041264	-1.2708	14.429E-6
56.43330	118.07520	21.61000	0.14732	21.538	-0.042095	-1.3067	14.850E-6
58.99845	118.07520	21.61000	0.15230	21.538	-0.041406	-1.3209	15.055E-6
61.56360	118.07520	21.61000	0.15788	21.538	-0.039450	-1.3152	15.056E-6
64.12875	118.07520	21.61000	0.16374	21.538	-0.036615	-1.2932	14.887E-6
66.69390	118.07520	21.61000	0.16948	21.538	-0.033317	-1.2595	14.587E-6
69.25905	118.07520	21.61000	0.17476	21.538	-0.029919	-1.2188	14.203E-6
71.82420	118.07520	21.61000	0.17928	21.538	-0.026701	-1.1752	13.777E-6
74.38935	118.07520	21.61000	0.18283	21.538	-0.023849	-1.1322	13.343E-6
76.95450	118.07520	21.61000	0.18529	21.538	-0.021461	-1.0919	12.926E-6
79.51965	118.07520	21.61000	0.18664	21.538	-0.019559	-1.0555	12.540E-6
82.08480	118.07520	21.61000	0.18692	21.538	-0.018105	-1.0232	12.189E-6
84.64995	118.07520	21.61000	0.18620	21.538	-0.017021	-0.99449	11.868E-6
87.21510	118.07520	21.61000	0.18462	21.538	-0.016209	-0.96816	11.568E-6
89.78025	118.07520	21.61000	0.18229	21.538	-0.015564	-0.94284	11.274E-6
92.34540	118.07520	21.61000	0.17934	21.538	-0.014990	-0.91709	10.971E-6
94.91055	118.07520	21.61000	0.17589	21.538	-0.014408	-0.88964	10.648E-6
97.47570	118.07520	21.61000	0.17203	21.538	-0.013763	-0.85957	10.294E-6
100.04085	118.07520	21.61000	0.16781	21.538	-0.013025	-0.82639	9.9045E-6
102.60600	118.07520	21.61000	0.16330	21.538	-0.012187	-0.79000	9.4784E-6
105.17115	118.07520	21.61000	0.15852	21.538	-0.011265	-0.75073	9.0192E-6
107.73630	118.07520	21.61000	0.15349	21.538	-0.010284	-0.70918	8.5335E-6
110.30145	118.07520	21.61000	0.14824	21.538	-0.0092784	-0.66615	8.0301E-6
112.86660	118.07520	21.61000	0.14278	21.538	-0.0082809	-0.62248	7.5184E-6
115.43175	118.07520	21.61000	0.13715	21.538	-0.0073204	-0.57901	7.0077E-6
117.99690	118.07520	21.61000	0.13138	21.538	-0.0064192	-0.53647	6.5065E-6

120.56205	118.07520	21.61000	0.12551	21.538	-0.0055917	-0.49544	6.0217E-6
123.12720	118.07520	21.61000	0.11961	21.538	-0.0048456	-0.45638	5.5585E-6
125.69235	118.07520	21.61000	0.11371	21.538	-0.0041826	-0.41959	5.1206E-6
128.25750	118.07520	21.61000	0.10787	21.538	-0.0036005	-0.38523	4.7103E-6
130.82265	118.07520	21.61000	0.10213	21.538	-0.0030940	-0.35337	4.3287E-6
133.38780	118.07520	21.61000	0.096524	21.538	-0.0026565	-0.32400	3.9757E-6
135.95295	118.07520	21.61000	0.091096	21.538	-0.0022805	-0.29705	3.6509E-6
138.51810	118.07520	21.61000	0.085867	21.538	-0.0019586	-0.27240	3.3529E-6
141.08325	118.07520	21.61000	0.080857	21.538	-0.0016838	-0.24991	3.0804E-6
143.64840	118.07520	21.61000	0.076079	21.538	-0.0014494	-0.22944	2.8316E-6
146.21355	118.07520	21.61000	0.071540	21.538	-0.0012497	-0.21082	2.6049E-6
148.77870	118.07520	21.61000	0.067244	21.538	-0.0010796	-0.19390	2.3985E-6
151.34385	118.07520	21.61000	0.063189	21.538	-934.48E-6	-0.17853	2.2106E-6
153.90900	118.07520	21.61000	0.059372	21.538	-810.66E-6	-0.16457	2.0397E-6 !
0.00000	120.53510	21.61000	0.052290	21.538	-688.89E-6	-0.14151	1.7542E-6
2.56515	120.53510	21.61000	0.055809	21.538	-813.18E-6	-0.15463	1.9146E-6
5.13030	120.53510	21.61000	0.059572	21.538	-964.81E-6	-0.16937	2.0943E-6
7.69545	120.53510	21.61000	0.063582	21.538	-0.0011508	-0.18597	2.2960E-6
10.26060	120.53510	21.61000	0.067843	21.538	-0.0013799	-0.20469	2.5230E-6
12.82575	120.53510	21.61000	0.072348	21.538	-0.0016637	-0.22587	2.7787E-6
15.39090	120.53510	21.61000	0.077085	21.538	-0.0020165	-0.24985	3.0671E-6
17.95605	120.53510	21.61000	0.082032	21.538	-0.0024567	-0.27705	3.3926E-6
20.52120	120.53510	21.61000	0.087155	21.538	-0.0030073	-0.30791	3.7600E-6
23.08635	120.53510	21.61000	0.092406	21.538	-0.0036968	-0.34290	4.1742E-6
25.65150	120.53510	21.61000	0.097722	21.538	-0.0045594	-0.38251	4.6399E-6
28.21665	120.53510	21.61000	0.10303	21.538	-0.0056349	-0.42718	5.1614E-6
30.78180	120.53510	21.61000	0.10823	21.538	-0.0069661	-0.47727	5.7412E-6
33.34695	120.53510	21.61000	0.11323	21.538	-0.0085945	-0.53292	6.3798E-6
35.91210	120.53510	21.61000	0.11796	21.538	-0.010551	-0.59394	7.0737E-6
38.47725	120.53510	21.61000	0.12233	21.538	-0.012841	-0.65965	7.8139E-6
41.04240	120.53510	21.61000	0.12633	21.538	-0.015428	-0.72869	8.5847E-6
43.60755	120.53510	21.61000	0.13000	21.538	-0.018211	-0.79891	9.3631E-6
46.17270	120.53510	21.61000	0.13342	21.538	-0.021017	-0.86739	10.119E-6
48.73785	120.53510	21.61000	0.13675	21.538	-0.023613	-0.93068	10.817E-6
51.30300	120.53510	21.61000	0.14017	21.538	-0.025738	-0.98522	11.423E-6
53.86815	120.53510	21.61000	0.14381	21.538	-0.027170	-1.0279	11.906E-6
56.43330	120.53510	21.61000	0.14775	21.538	-0.027777	-1.0569	12.248E-6
58.99845	120.53510	21.61000	0.15197	21.538	-0.027552	-1.0715	12.440E-6
61.56360	120.53510	21.61000	0.15635	21.538	-0.026604	-1.0728	12.491E-6
64.12875	120.53510	21.61000	0.16071	21.538	-0.025116	-1.0625	12.419E-6
66.69390	120.53510	21.61000	0.16483	21.538	-0.023302	-1.0436	12.249E-6
69.25905	120.53510	21.61000	0.16850	21.538	-0.021362	-1.0187	12.009E-6
71.82420	120.53510	21.61000	0.17156	21.538	-0.019462	-0.99066	11.728E-6
74.38935	120.53510	21.61000	0.17388	21.538	-0.017721	-0.96162	11.429E-6
76.95450	120.53510	21.61000	0.17538	21.538	-0.016210	-0.93320	11.128E-6
79.51965	120.53510	21.61000	0.17605	21.538	-0.014956	-0.90635	10.838E-6
82.08480	120.53510	21.61000	0.17591	21.538	-0.013949	-0.88138	10.561E-6
84.64995	120.53510	21.61000	0.17500	21.538	-0.013154	-0.85808	10.298E-6

87.21510	120.53510	21.61000	0.17339	21.538	-0.012521	-0.83588	10.043E-6
89.78025	120.53510	21.61000	0.17118	21.538	-0.011991	-0.81397	9.7873E-6
92.34540	120.53510	21.61000	0.16844	21.538	-0.011511	-0.79152	9.5230E-6
94.91055	120.53510	21.61000	0.16524	21.538	-0.011033	-0.76776	9.2421E-6
97.47570	120.53510	21.61000	0.16164	21.538	-0.010523	-0.74211	8.9387E-6
100.04085	120.53510	21.61000	0.15771	21.538	-0.0099629	-0.71425	8.6094E-6
102.60600	120.53510	21.61000	0.15348	21.538	-0.0093456	-0.68413	8.2537E-6
105.17115	120.53510	21.61000	0.14898	21.538	-0.0086774	-0.65193	7.8739E-6
107.73630	120.53510	21.61000	0.14425	21.538	-0.0079729	-0.61806	7.4744E-6
110.30145	120.53510	21.61000	0.13931	21.538	-0.0072508	-0.58305	7.0612E-6
112.86660	120.53510	21.61000	0.13419	21.538	-0.0065312	-0.54747	6.6407E-6
115.43175	120.53510	21.61000	0.12892	21.538	-0.0058324	-0.51191	6.2198E-6
117.99690	120.53510	21.61000	0.12355	21.538	-0.0051693	-0.47691	5.8046E-6
120.56205	120.53510	21.61000	0.11811	21.538	-0.0045525	-0.44293	5.4003E-6
123.12720	120.53510	21.61000	0.11265	21.538	-0.0039885	-0.41033	5.0114E-6
125.69235	120.53510	21.61000	0.10721	21.538	-0.0034802	-0.37935	4.6410E-6
128.25750	120.53510	21.61000	0.10182	21.538	-0.0030274	-0.35019	4.2912E-6
130.82265	120.53510	21.61000	0.096535	21.538	-0.0026278	-0.32292	3.9632E-6
133.38780	120.53510	21.61000	0.091376	21.538	-0.0022779	-0.29757	3.6575E-6
135.95295	120.53510	21.61000	0.086373	21.538	-0.0019733	-0.27412	3.3739E-6
138.51810	120.53510	21.61000	0.081550	21.538	-0.0017093	-0.25250	3.1120E-6
141.08325	120.53510	21.61000	0.076921	21.538	-0.0014812	-0.23264	2.8708E-6
143.64840	120.53510	21.61000	0.072498	21.538	-0.0012846	-0.21444	2.6492E-6
146.21355	120.53510	21.61000	0.068289	21.538	-0.0011154	-0.19777	2.4459E-6
148.77870	120.53510	21.61000	0.064297	21.538	-969.79E-6	-0.18254	2.2598E-6
151.34385	120.53510	21.61000	0.060520	21.538	-844.55E-6	-0.16862	2.0894E-6
153.90900	120.53510	21.61000	0.056957	21.538	-736.79E-6	-0.15591	1.9335E-6 !
0.00000	122.99500	21.61000	0.050407	21.538	-633.20E-6	-0.13496	1.6739E-6
2.56515	122.99500	21.61000	0.053717	21.538	-742.77E-6	-0.14702	1.8215E-6
5.13030	122.99500	21.61000	0.057248	21.538	-875.17E-6	-0.16048	1.9858E-6
7.69545	122.99500	21.61000	0.061005	21.538	-0.0010358	-0.17553	2.1691E-6
10.26060	122.99500	21.61000	0.064989	21.538	-0.0012314	-0.19239	2.3738E-6
12.82575	122.99500	21.61000	0.069196	21.538	-0.0014704	-0.21130	2.6027E-6
15.39090	122.99500	21.61000	0.073616	21.538	-0.0017632	-0.23253	2.8587E-6
17.95605	122.99500	21.61000	0.078233	21.538	-0.0021225	-0.25636	3.1449E-6
20.52120	122.99500	21.61000	0.083019	21.538	-0.0025639	-0.28309	3.4646E-6
23.08635	122.99500	21.61000	0.087938	21.538	-0.0031054	-0.31304	3.8209E-6
25.65150	122.99500	21.61000	0.092944	21.538	-0.0037681	-0.34649	4.2167E-6
28.21665	122.99500	21.61000	0.097980	21.538	-0.0045742	-0.38366	4.6539E-6
30.78180	122.99500	21.61000	0.10298	21.538	-0.0055459	-0.42468	5.1332E-6
33.34695	122.99500	21.61000	0.10788	21.538	-0.0067015	-0.46950	5.6534E-6
35.91210	122.99500	21.61000	0.11262	21.538	-0.0080495	-0.51780	6.2102E-6
38.47725	122.99500	21.61000	0.11714	21.538	-0.0095813	-0.56893	6.7956E-6
41.04240	122.99500	21.61000	0.12142	21.538	-0.011262	-0.62179	7.3971E-6
43.60755	122.99500	21.61000	0.12546	21.538	-0.013025	-0.67483	7.9979E-6
46.17270	122.99500	21.61000	0.12931	21.538	-0.014767	-0.72609	8.5770E-6
48.73785	122.99500	21.61000	0.13302	21.538	-0.016360	-0.77334	9.1113E-6
51.30300	122.99500	21.61000	0.13666	21.538	-0.017669	-0.81437	9.5781E-6

53.86815	122.99500	21.61000	0.14031	21.538	-0.018579	-0.84730	9.9580E-6
56.43330	122.99500	21.61000	0.14397	21.538	-0.019022	-0.87091	10.238E-6
58.99845	122.99500	21.61000	0.14763	21.538	-0.018990	-0.88478	10.414E-6
61.56360	122.99500	21.61000	0.15120	21.538	-0.018530	-0.88934	10.489E-6
64.12875	122.99500	21.61000	0.15460	21.538	-0.017735	-0.88573	10.473E-6
66.69390	122.99500	21.61000	0.15769	21.538	-0.016716	-0.87553	10.383E-6
69.25905	122.99500	21.61000	0.16035	21.538	-0.015586	-0.86051	10.237E-6
71.82420	122.99500	21.61000	0.16249	21.538	-0.014443	-0.84241	10.053E-6
74.38935	122.99500	21.61000	0.16402	21.538	-0.013362	-0.82270	9.8454E-6
76.95450	122.99500	21.61000	0.16492	21.538	-0.012391	-0.80251	9.6281E-6
79.51965	122.99500	21.61000	0.16516	21.538	-0.011554	-0.78257	9.4088E-6
82.08480	122.99500	21.61000	0.16475	21.538	-0.010852	-0.76320	9.1916E-6
84.64995	122.99500	21.61000	0.16373	21.538	-0.010271	-0.74438	8.9768E-6
87.21510	122.99500	21.61000	0.16215	21.538	-0.0097840	-0.72584	8.7620E-6
89.78025	122.99500	21.61000	0.16006	21.538	-0.0093605	-0.70716	8.5429E-6
92.34540	122.99500	21.61000	0.15751	21.538	-0.0089691	-0.68784	8.3146E-6
94.91055	122.99500	21.61000	0.15455	21.538	-0.0085825	-0.66742	8.0724E-6
97.47570	122.99500	21.61000	0.15123	21.538	-0.0081800	-0.64557	7.8127E-6
100.04085	122.99500	21.61000	0.14759	21.538	-0.0077488	-0.62209	7.5335E-6
102.60600	122.99500	21.61000	0.14367	21.538	-0.0072845	-0.59695	7.2347E-6
105.17115	122.99500	21.61000	0.13950	21.538	-0.0067894	-0.57028	6.9179E-6
107.73630	122.99500	21.61000	0.13511	21.538	-0.0062715	-0.54234	6.5861E-6
110.30145	122.99500	21.61000	0.13053	21.538	-0.0057417	-0.51352	6.2434E-6
112.86660	122.99500	21.61000	0.12579	21.538	-0.0052122	-0.48420	5.8946E-6
115.43175	122.99500	21.61000	0.12093	21.538	-0.0046948	-0.45482	5.5445E-6
117.99690	122.99500	21.61000	0.11597	21.538	-0.0041993	-0.42577	5.1978E-6
120.56205	122.99500	21.61000	0.11097	21.538	-0.0037337	-0.39740	4.8585E-6
123.12720	122.99500	21.61000	0.10595	21.538	-0.0033028	-0.37000	4.5300E-6
125.69235	122.99500	21.61000	0.10095	21.538	-0.0029097	-0.34379	4.2151E-6
128.25750	122.99500	21.61000	0.096008	21.538	-0.0025550	-0.31892	3.9156E-6
130.82265	122.99500	21.61000	0.091154	21.538	-0.0022382	-0.29550	3.6329E-6
133.38780	122.99500	21.61000	0.086417	21.538	-0.0019573	-0.27356	3.3675E-6
135.95295	122.99500	21.61000	0.081818	21.538	-0.0017098	-0.25312	3.1197E-6
138.51810	122.99500	21.61000	0.077377	21.538	-0.0014929	-0.23414	2.8892E-6
141.08325	122.99500	21.61000	0.073109	21.538	-0.0013034	-0.21659	2.6756E-6
143.64840	122.99500	21.61000	0.069024	21.538	-0.0011384	-0.20040	2.4781E-6
146.21355	122.99500	21.61000	0.065127	21.538	-995.04E-6	-0.18549	2.2959E-6
148.77870	122.99500	21.61000	0.061423	21.538	-870.56E-6	-0.17177	2.1281E-6
151.34385	122.99500	21.61000	0.057912	21.538	-762.57E-6	-0.15917	1.9737E-6
153.90900	122.99500	21.61000	0.054591	21.538	-668.90E-6	-0.14761	1.8317E-6 !
0.00000	125.45490	21.61000	0.048529	21.538	-580.31E-6	-0.12854	1.5952E-6
2.56515	125.45490	21.61000	0.051635	21.538	-676.48E-6	-0.13959	1.7305E-6
5.13030	125.45490	21.61000	0.054942	21.538	-791.59E-6	-0.15185	1.8804E-6
7.69545	125.45490	21.61000	0.058452	21.538	-929.76E-6	-0.16547	2.0466E-6
10.26060	125.45490	21.61000	0.062167	21.538	-0.0010961	-0.18062	2.2309E-6
12.82575	125.45490	21.61000	0.066084	21.538	-0.0012966	-0.19748	2.4354E-6
15.39090	125.45490	21.61000	0.070194	21.538	-0.0015389	-0.21624	2.6622E-6
17.95605	125.45490	21.61000	0.074484	21.538	-0.0018316	-0.23710	2.9136E-6

20.52120	125.45490	21.61000	0.078933	21.538	-0.0021849	-0.26026	3.1916E-6
23.08635	125.45490	21.61000	0.083513	21.538	-0.0026104	-0.28590	3.4982E-6
25.65150	125.45490	21.61000	0.088187	21.538	-0.0031204	-0.31420	3.8349E-6
28.21665	125.45490	21.61000	0.092912	21.538	-0.0037272	-0.34523	4.2024E-6
30.78180	125.45490	21.61000	0.097640	21.538	-0.0044419	-0.37900	4.6003E-6
33.34695	125.45490	21.61000	0.102322	21.538	-0.0052710	-0.41537	5.0265E-6
35.91210	125.45490	21.61000	0.106900	21.538	-0.0062143	-0.45401	5.4770E-6
38.47725	125.45490	21.61000	0.111134	21.538	-0.0072600	-0.49433	5.9448E-6
41.04240	125.45490	21.61000	0.115562	21.538	-0.0083811	-0.53550	6.4204E-6
43.60755	125.45490	21.61000	0.119711	21.538	-0.0095331	-0.57639	6.8913E-6
46.17270	125.45490	21.61000	0.123622	21.538	-0.010655	-0.61565	7.3429E-6
48.73785	125.45490	21.61000	0.12738	21.538	-0.011673	-0.65183	7.7596E-6
51.30300	125.45490	21.61000	0.13099	21.538	-0.012515	-0.68349	8.1261E-6
53.86815	125.45490	21.61000	0.13448	21.538	-0.013118	-0.70945	8.4299E-6
56.43330	125.45490	21.61000	0.13784	21.538	-0.013445	-0.72889	8.6622E-6
58.99845	125.45490	21.61000	0.14105	21.538	-0.013489	-0.74152	8.8194E-6
61.56360	125.45490	21.61000	0.14407	21.538	-0.013273	-0.74754	8.9032E-6
64.12875	125.45490	21.61000	0.14682	21.538	-0.012844	-0.74759	8.9201E-6
66.69390	125.45490	21.61000	0.14923	21.538	-0.012264	-0.74263	8.8796E-6
69.25905	125.45490	21.61000	0.15124	21.538	-0.011595	-0.73377	8.7934E-6
71.82420	125.45490	21.61000	0.15278	21.538	-0.010895	-0.72213	8.6732E-6
74.38935	125.45490	21.61000	0.15382	21.538	-0.010213	-0.70868	8.5299E-6
76.95450	125.45490	21.61000	0.15433	21.538	-0.0095800	-0.69423	8.3720E-6
79.51965	125.45490	21.61000	0.15431	21.538	-0.0090146	-0.67932	8.2057E-6
82.08480	125.45490	21.61000	0.15375	21.538	-0.0085217	-0.66424	8.0346E-6
84.64995	125.45490	21.61000	0.15270	21.538	-0.0080960	-0.64906	7.8597E-6
87.21510	125.45490	21.61000	0.15117	21.538	-0.0077247	-0.63368	7.6802E-6
89.78025	125.45490	21.61000	0.14921	21.538	-0.0073909	-0.61787	7.4939E-6
92.34540	125.45490	21.61000	0.14685	21.538	-0.0070771	-0.60136	7.2982E-6
94.91055	125.45490	21.61000	0.14412	21.538	-0.0067672	-0.58391	7.0903E-6
97.47570	125.45490	21.61000	0.14107	21.538	-0.0064488	-0.56531	6.8683E-6
100.04085	125.45490	21.61000	0.13773	21.538	-0.0061138	-0.54545	6.6311E-6
102.60600	125.45490	21.61000	0.13413	21.538	-0.0057590	-0.52433	6.3788E-6
105.17115	125.45490	21.61000	0.13030	21.538	-0.0053853	-0.50204	6.1125E-6
107.73630	125.45490	21.61000	0.12626	21.538	-0.0049970	-0.47879	5.8346E-6
110.30145	125.45490	21.61000	0.12206	21.538	-0.0046009	-0.45482	5.5480E-6
112.86660	125.45490	21.61000	0.11771	21.538	-0.0042044	-0.43043	5.2562E-6
115.43175	125.45490	21.61000	0.11325	21.538	-0.0038151	-0.40593	4.9627E-6
117.99690	125.45490	21.61000	0.10871	21.538	-0.0034397	-0.38162	4.6710E-6
120.56205	125.45490	21.61000	0.10413	21.538	-0.0030838	-0.35777	4.3844E-6
123.12720	125.45490	21.61000	0.099538	21.538	-0.0027512	-0.33460	4.1054E-6
125.69235	125.45490	21.61000	0.094967	21.538	-0.0024446	-0.31229	3.8364E-6
128.25750	125.45490	21.61000	0.090447	21.538	-0.0021648	-0.29100	3.5791E-6
130.82265	125.45490	21.61000	0.086004	21.538	-0.0019121	-0.27080	3.3346E-6
133.38780	125.45490	21.61000	0.081663	21.538	-0.0016856	-0.25177	3.1037E-6
135.95295	125.45490	21.61000	0.077444	21.538	-0.0014840	-0.23391	2.8866E-6
138.51810	125.45490	21.61000	0.073363	21.538	-0.0013053	-0.21723	2.6835E-6
141.08325	125.45490	21.61000	0.069434	21.538	-0.0011477	-0.20170	2.4942E-6

143.64840	125.45490	21.61000	0.065665	21.538	-0.0010091	-0.18729	2.3181E-6
146.21355	125.45490	21.61000	0.062064	21.538	-887.59E-6	-0.17394	2.1547E-6
148.77870	125.45490	21.61000	0.058632	21.538	-781.18E-6	-0.16160	2.0035E-6
151.34385	125.45490	21.61000	0.055371	21.538	-688.11E-6	-0.15020	1.8636E-6
153.90900	125.45490	21.61000	0.052280	21.538	-606.77E-6	-0.13969	1.7344E-6 !
0.00000	127.91480	21.61000	0.046668	21.538	-530.53E-6	-0.12229	1.5184E-6
2.56515	127.91480	21.61000	0.049576	21.538	-614.65E-6	-0.13239	1.6423E-6
5.13030	127.91480	21.61000	0.052665	21.538	-714.38E-6	-0.14354	1.7787E-6
7.69545	127.91480	21.61000	0.055937	21.538	-832.85E-6	-0.15584	1.9291E-6
10.26060	127.91480	21.61000	0.059393	21.538	-973.83E-6	-0.16943	2.0947E-6
12.82575	127.91480	21.61000	0.063029	21.538	-0.0011418	-0.18444	2.2772E-6
15.39090	127.91480	21.61000	0.066840	21.538	-0.0013418	-0.20101	2.4781E-6
17.95605	127.91480	21.61000	0.070812	21.538	-0.0015800	-0.21926	2.6987E-6
20.52120	127.91480	21.61000	0.074931	21.538	-0.0018630	-0.23934	2.9406E-6
23.08635	127.91480	21.61000	0.079171	21.538	-0.0021978	-0.26134	3.2047E-6
25.65150	127.91480	21.61000	0.083506	21.538	-0.0025917	-0.28534	3.4917E-6
28.21665	127.91480	21.61000	0.087900	21.538	-0.0030513	-0.31135	3.8017E-6
30.78180	127.91480	21.61000	0.092314	21.538	-0.0035814	-0.33932	4.1335E-6
33.34695	127.91480	21.61000	0.096708	21.538	-0.0041834	-0.36907	4.4851E-6
35.91210	127.91480	21.61000	0.10104	21.538	-0.0048539	-0.40029	4.8525E-6
38.47725	127.91480	21.61000	0.10528	21.538	-0.0055820	-0.43250	5.2303E-6
41.04240	127.91480	21.61000	0.10938	21.538	-0.0063480	-0.46506	5.6110E-6
43.60755	127.91480	21.61000	0.11334	21.538	-0.0071229	-0.49716	5.9855E-6
46.17270	127.91480	21.61000	0.11713	21.538	-0.0078690	-0.52784	6.3434E-6
48.73785	127.91480	21.61000	0.12075	21.538	-0.0085438	-0.55614	6.6739E-6
51.30300	127.91480	21.61000	0.12419	21.538	-0.0091056	-0.58110	6.9667E-6
53.86815	127.91480	21.61000	0.12745	21.538	-0.0095197	-0.60193	7.2131E-6
56.43330	127.91480	21.61000	0.13051	21.538	-0.0097644	-0.61810	7.4073E-6
58.99845	127.91480	21.61000	0.13336	21.538	-0.0098347	-0.62937	7.5464E-6
61.56360	127.91480	21.61000	0.13594	21.538	-0.0097422	-0.63583	7.6311E-6
64.12875	127.91480	21.61000	0.13824	21.538	-0.0095119	-0.63785	7.6652E-6
66.69390	127.91480	21.61000	0.14019	21.538	-0.0091777	-0.63601	7.6548E-6
69.25905	127.91480	21.61000	0.14177	21.538	-0.0087762	-0.63102	7.6071E-6
71.82420	127.91480	21.61000	0.14293	21.538	-0.0083423	-0.62359	7.5300E-6
74.38935	127.91480	21.61000	0.14365	21.538	-0.0079054	-0.61440	7.4308E-6
76.95450	127.91480	21.61000	0.14392	21.538	-0.0074871	-0.60398	7.3156E-6
79.51965	127.91480	21.61000	0.14374	21.538	-0.0071007	-0.59276	7.1890E-6
82.08480	127.91480	21.61000	0.14312	21.538	-0.0067516	-0.58097	7.0539E-6
84.64995	127.91480	21.61000	0.14208	21.538	-0.0064388	-0.56871	6.9115E-6
87.21510	127.91480	21.61000	0.14063	21.538	-0.0061563	-0.55598	6.7619E-6
89.78025	127.91480	21.61000	0.13880	21.538	-0.0058953	-0.54266	6.6043E-6
92.34540	127.91480	21.61000	0.13663	21.538	-0.0056458	-0.52863	6.4372E-6
94.91055	127.91480	21.61000	0.13413	21.538	-0.0053987	-0.51375	6.2593E-6
97.47570	127.91480	21.61000	0.13135	21.538	-0.0051465	-0.49791	6.0696E-6
100.04085	127.91480	21.61000	0.12830	21.538	-0.0048842	-0.48107	5.8675E-6
102.60600	127.91480	21.61000	0.12501	21.538	-0.0046096	-0.46323	5.6535E-6
105.17115	127.91480	21.61000	0.12151	21.538	-0.0043231	-0.44448	5.4284E-6
107.73630	127.91480	21.61000	0.11782	21.538	-0.0040273	-0.42496	5.1941E-6

110.30145	127.91480	21.61000	0.11398	21.538	-0.0037262	-0.40486	4.9526E-6
112.86660	127.91480	21.61000	0.11001	21.538	-0.0034246	-0.38440	4.7066E-6
115.43175	127.91480	21.61000	0.10595	21.538	-0.0031274	-0.36381	4.4588E-6
117.99690	127.91480	21.61000	0.10181	21.538	-0.0028394	-0.34332	4.2118E-6
120.56205	127.91480	21.61000	0.097635	21.538	-0.0025642	-0.32312	3.9682E-6
123.12720	127.91480	21.61000	0.093448	21.538	-0.0023050	-0.30342	3.7300E-6
125.69235	127.91480	21.61000	0.089279	21.538	-0.0020637	-0.28434	3.4992E-6
128.25750	127.91480	21.61000	0.085154	21.538	-0.0018415	-0.26603	3.2772E-6
130.82265	127.91480	21.61000	0.081096	21.538	-0.0016389	-0.24856	3.0651E-6
133.38780	127.91480	21.61000	0.077125	21.538	-0.0014554	-0.23199	2.8636E-6
135.95295	127.91480	21.61000	0.073261	21.538	-0.0012904	-0.21636	2.6731E-6
138.51810	127.91480	21.61000	0.069516	21.538	-0.0011428	-0.20167	2.4939E-6
141.08325	127.91480	21.61000	0.065904	21.538	-0.0010115	-0.18792	2.3258E-6
143.64840	127.91480	21.61000	0.062432	21.538	-894.96E-6	-0.17508	2.1687E-6
146.21355	127.91480	21.61000	0.059106	21.538	-791.89E-6	-0.16312	2.0222E-6
148.77870	127.91480	21.61000	0.055931	21.538	-700.90E-6	-0.15201	1.8859E-6
151.34385	127.91480	21.61000	0.052906	21.538	-620.71E-6	-0.14170	1.7592E-6
153.90900	127.91480	21.61000	0.050033	21.538	-550.11E-6	-0.13215	1.6417E-6 !
0.00000	130.37470	21.61000	0.044831	21.538	-484.06E-6	-0.11623	1.4439E-6
2.56515	130.37470	21.61000	0.047549	21.538	-557.42E-6	-0.12545	1.5572E-6
5.13030	130.37470	21.61000	0.050429	21.538	-643.60E-6	-0.13557	1.6812E-6
7.69545	130.37470	21.61000	0.053473	21.538	-744.95E-6	-0.14667	1.8171E-6
10.26060	130.37470	21.61000	0.056680	21.538	-864.23E-6	-0.15886	1.9658E-6
12.82575	130.37470	21.61000	0.060048	21.538	-0.0010046	-0.17221	2.1285E-6
15.39090	130.37470	21.61000	0.063571	21.538	-0.0011698	-0.18684	2.3063E-6
17.95605	130.37470	21.61000	0.067239	21.538	-0.0013637	-0.20282	2.5001E-6
20.52120	130.37470	21.61000	0.071038	21.538	-0.0015906	-0.22024	2.7106E-6
23.08635	130.37470	21.61000	0.074948	21.538	-0.0018549	-0.23915	2.9385E-6
25.65150	130.37470	21.61000	0.078945	21.538	-0.0021606	-0.25957	3.1839E-6
28.21665	130.37470	21.61000	0.083001	21.538	-0.0025110	-0.28148	3.4463E-6
30.78180	130.37470	21.61000	0.087086	21.538	-0.0029078	-0.30479	3.7245E-6
33.34695	130.37470	21.61000	0.091163	21.538	-0.0033503	-0.32932	4.0164E-6
35.91210	130.37470	21.61000	0.095199	21.538	-0.0038343	-0.35479	4.3186E-6
38.47725	130.37470	21.61000	0.099159	21.538	-0.0043509	-0.38084	4.6268E-6
41.04240	130.37470	21.61000	0.10301	21.538	-0.0048862	-0.40695	4.9351E-6
43.60755	130.37470	21.61000	0.10673	21.538	-0.0054210	-0.43255	5.2369E-6
46.17270	130.37470	21.61000	0.11030	21.538	-0.0059319	-0.45695	5.5247E-6
48.73785	130.37470	21.61000	0.11370	21.538	-0.0063933	-0.47949	5.7908E-6
51.30300	130.37470	21.61000	0.11690	21.538	-0.0067806	-0.49951	6.0281E-6
53.86815	130.37470	21.61000	0.11990	21.538	-0.0070735	-0.51649	6.2306E-6
56.43330	130.37470	21.61000	0.12268	21.538	-0.0072593	-0.53004	6.3940E-6
58.99845	130.37470	21.61000	0.12521	21.538	-0.0073344	-0.53999	6.5163E-6
61.56360	130.37470	21.61000	0.12747	21.538	-0.0073045	-0.54636	6.5976E-6
64.12875	130.37470	21.61000	0.12942	21.538	-0.0071835	-0.54937	6.6400E-6
66.69390	130.37470	21.61000	0.13105	21.538	-0.0069906	-0.54937	6.6473E-6
69.25905	130.37470	21.61000	0.13233	21.538	-0.0067472	-0.54681	6.6243E-6
71.82420	130.37470	21.61000	0.13323	21.538	-0.0064746	-0.54216	6.5760E-6
74.38935	130.37470	21.61000	0.13375	21.538	-0.0061911	-0.53586	6.5076E-6

76.95450	130.37470	21.61000	0.13388	21.538	-0.0059111	-0.52831	6.4232E-6
79.51965	130.37470	21.61000	0.13363	21.538	-0.0056441	-0.51981	6.3262E-6
82.08480	130.37470	21.61000	0.13299	21.538	-0.0053948	-0.51054	6.2191E-6
84.64995	130.37470	21.61000	0.13198	21.538	-0.0051639	-0.50063	6.1031E-6
87.21510	130.37470	21.61000	0.13063	21.538	-0.0049490	-0.49009	5.9786E-6
89.78025	130.37470	21.61000	0.12894	21.538	-0.0047455	-0.47890	5.8455E-6
92.34540	130.37470	21.61000	0.12695	21.538	-0.0045481	-0.46700	5.7032E-6
94.91055	130.37470	21.61000	0.12468	21.538	-0.0043515	-0.45432	5.5512E-6
97.47570	130.37470	21.61000	0.12214	21.538	-0.0041513	-0.44083	5.3890E-6
100.04085	130.37470	21.61000	0.11937	21.538	-0.0039446	-0.42650	5.2166E-6
102.60600	130.37470	21.61000	0.11638	21.538	-0.0037299	-0.41137	5.0343E-6
105.17115	130.37470	21.61000	0.11319	21.538	-0.0035075	-0.39550	4.8431E-6
107.73630	130.37470	21.61000	0.10985	21.538	-0.0032790	-0.37901	4.6442E-6
110.30145	130.37470	21.61000	0.10636	21.538	-0.0030469	-0.36204	4.4395E-6
112.86660	130.37470	21.61000	0.10275	21.538	-0.0028143	-0.34475	4.2308E-6
115.43175	130.37470	21.61000	0.099053	21.538	-0.0025845	-0.32732	4.0202E-6
117.99690	130.37470	21.61000	0.095294	21.538	-0.0023607	-0.30992	3.8098E-6
120.56205	130.37470	21.61000	0.091498	21.538	-0.0021458	-0.29273	3.6016E-6
123.12720	130.37470	21.61000	0.087690	21.538	-0.0019418	-0.27587	3.3972E-6
125.69235	130.37470	21.61000	0.083896	21.538	-0.0017504	-0.25949	3.1983E-6
128.25750	130.37470	21.61000	0.080138	21.538	-0.0015728	-0.24367	3.0061E-6
130.82265	130.37470	21.61000	0.076436	21.538	-0.0014092	-0.22850	2.8214E-6
133.38780	130.37470	21.61000	0.072810	21.538	-0.0012599	-0.21404	2.6452E-6
135.95295	130.37470	21.61000	0.069274	21.538	-0.0011244	-0.20032	2.4777E-6
138.51810	130.37470	21.61000	0.065841	21.538	-0.0010022	-0.18736	2.3192E-6
141.08325	130.37470	21.61000	0.062523	21.538	-892.48E-6	-0.17516	2.1699E-6
143.64840	130.37470	21.61000	0.059328	21.538	-794.33E-6	-0.16372	2.0296E-6
146.21355	130.37470	21.61000	0.056260	21.538	-706.81E-6	-0.15300	1.8981E-6
148.77870	130.37470	21.61000	0.053325	21.538	-628.97E-6	-0.14300	1.7752E-6
151.34385	130.37470	21.61000	0.050522	21.538	-559.86E-6	-0.13367	1.6605E-6
153.90900	130.37470	21.61000	0.047854	21.538	-498.59E-6	-0.12499	1.5535E-6 !
0.00000	132.83460	21.61000	0.043027	21.538	-440.96E-6	-0.11039	1.3720E-6
2.56515	132.83460	21.61000	0.045563	21.538	-504.80E-6	-0.11880	1.4754E-6
5.13030	132.83460	21.61000	0.048243	21.538	-579.13E-6	-0.12797	1.5880E-6
7.69545	132.83460	21.61000	0.051069	21.538	-665.69E-6	-0.13798	1.7107E-6
10.26060	132.83460	21.61000	0.054041	21.538	-766.52E-6	-0.14890	1.8442E-6
12.82575	132.83460	21.61000	0.057154	21.538	-883.87E-6	-0.16078	1.9893E-6
15.39090	132.83460	21.61000	0.060404	21.538	-0.0010202	-0.17370	2.1467E-6
17.95605	132.83460	21.61000	0.063782	21.538	-0.0011783	-0.18771	2.3169E-6
20.52120	132.83460	21.61000	0.067276	21.538	-0.0013607	-0.20285	2.5005E-6
23.08635	132.83460	21.61000	0.070867	21.538	-0.0015700	-0.21915	2.6976E-6
25.65150	132.83460	21.61000	0.074538	21.538	-0.0018086	-0.23659	2.9081E-6
28.21665	132.83460	21.61000	0.078263	21.538	-0.0020777	-0.25513	3.1311E-6
30.78180	132.83460	21.61000	0.082016	21.538	-0.0023777	-0.27467	3.3656E-6
33.34695	132.83460	21.61000	0.085768	21.538	-0.0027069	-0.29505	3.6096E-6
35.91210	132.83460	21.61000	0.089487	21.538	-0.0030615	-0.31603	3.8602E-6
38.47725	132.83460	21.61000	0.093144	21.538	-0.0034346	-0.33732	4.1139E-6
41.04240	132.83460	21.61000	0.096708	21.538	-0.0038165	-0.35854	4.3664E-6

43.60755	132.83460	21.61000	0.10015	21.538	-0.0041944	-0.37923	4.6125E-6
46.17270	132.83460	21.61000	0.10345	21.538	-0.0045534	-0.39894	4.8469E-6
48.73785	132.83460	21.61000	0.10658	21.538	-0.0048777	-0.41717	5.0640E-6
51.30300	132.83460	21.61000	0.10953	21.538	-0.0051523	-0.43348	5.2588E-6
53.86815	132.83460	21.61000	0.11226	21.538	-0.0053650	-0.44749	5.4270E-6
56.43330	132.83460	21.61000	0.11477	21.538	-0.0055079	-0.45892	5.5655E-6
58.99845	132.83460	21.61000	0.11703	21.538	-0.0055786	-0.46766	5.6726E-6
61.56360	132.83460	21.61000	0.11902	21.538	-0.0055799	-0.47367	5.7483E-6
64.12875	132.83460	21.61000	0.12072	21.538	-0.0055197	-0.47710	5.7937E-6
66.69390	132.83460	21.61000	0.12211	21.538	-0.0054089	-0.47815	5.8111E-6
69.25905	132.83460	21.61000	0.12317	21.538	-0.0052605	-0.47711	5.8036E-6
71.82420	132.83460	21.61000	0.12390	21.538	-0.0050874	-0.47429	5.7746E-6
74.38935	132.83460	21.61000	0.12429	21.538	-0.0049014	-0.46999	5.7276E-6
76.95450	132.83460	21.61000	0.12434	21.538	-0.0047117	-0.46449	5.6655E-6
79.51965	132.83460	21.61000	0.12405	21.538	-0.0045252	-0.45800	5.5909E-6
82.08480	132.83460	21.61000	0.12342	21.538	-0.0043456	-0.45068	5.5057E-6
84.64995	132.83460	21.61000	0.12248	21.538	-0.0041742	-0.44264	5.4109E-6
87.21510	132.83460	21.61000	0.12122	21.538	-0.0040103	-0.43391	5.3073E-6
89.78025	132.83460	21.61000	0.11968	21.538	-0.0038518	-0.42451	5.1950E-6
92.34540	132.83460	21.61000	0.11787	21.538	-0.0036959	-0.41442	5.0740E-6
94.91055	132.83460	21.61000	0.11580	21.538	-0.0035395	-0.40363	4.9441E-6
97.47570	132.83460	21.61000	0.11350	21.538	-0.0033803	-0.39212	4.8053E-6
100.04085	132.83460	21.61000	0.11099	21.538	-0.0032164	-0.37990	4.6578E-6
102.60600	132.83460	21.61000	0.10828	21.538	-0.0030472	-0.36701	4.5021E-6
105.17115	132.83460	21.61000	0.10539	21.538	-0.0028728	-0.35351	4.3388E-6
107.73630	132.83460	21.61000	0.10236	21.538	-0.0026941	-0.33950	4.1693E-6
110.30145	132.83460	21.61000	0.099196	21.538	-0.0025130	-0.32508	3.9947E-6
112.86660	132.83460	21.61000	0.095928	21.538	-0.0023314	-0.31037	3.8166E-6
115.43175	132.83460	21.61000	0.092577	21.538	-0.0021517	-0.29553	3.6366E-6
117.99690	132.83460	21.61000	0.089168	21.538	-0.0019760	-0.28068	3.4564E-6
120.56205	132.83460	21.61000	0.085724	21.538	-0.0018064	-0.26595	3.2775E-6
123.12720	132.83460	21.61000	0.082267	21.538	-0.0016445	-0.25146	3.1014E-6
125.69235	132.83460	21.61000	0.078819	21.538	-0.0014915	-0.23732	2.9293E-6
128.25750	132.83460	21.61000	0.075399	21.538	-0.0013485	-0.22361	2.7622E-6
130.82265	132.83460	21.61000	0.072026	21.538	-0.0012158	-0.21040	2.6010E-6
133.38780	132.83460	21.61000	0.068717	21.538	-0.0010937	-0.19774	2.4464E-6
135.95295	132.83460	21.61000	0.065484	21.538	-981.99E-6	-0.18567	2.2987E-6
138.51810	132.83460	21.61000	0.062341	21.538	-880.43E-6	-0.17421	2.1584E-6
141.08325	132.83460	21.61000	0.059296	21.538	-788.53E-6	-0.16338	2.0255E-6
143.64840	132.83460	21.61000	0.056357	21.538	-705.69E-6	-0.15316	1.9011E-6
146.21355	132.83460	21.61000	0.053530	21.538	-631.28E-6	-0.14355	1.7820E-6
148.77870	132.83460	21.61000	0.050818	21.538	-564.62E-6	-0.13453	1.6711E-6
151.34385	132.83460	21.61000	0.048223	21.538	-505.03E-6	-0.12609	1.5672E-6
153.90900	132.83460	21.61000	0.045746	21.538	-451.86E-6	-0.11820	1.4699E-6 !
0.00000	135.29450	21.61000	0.041263	21.538	-401.22E-6	-0.11047	1.3029E-6
2.56515	135.29450	21.61000	0.043625	21.538	-456.69E-6	-0.11244	1.3972E-6
5.13030	135.29450	21.61000	0.046116	21.538	-520.70E-6	-0.12075	1.4994E-6
7.69545	135.29450	21.61000	0.048736	21.538	-594.58E-6	-0.12977	1.6101E-6

10.26060	135.29450	21.61000	0.051484	21.538	-679.77E-6	-0.13955	1.7299E-6
12.82575	135.29450	21.61000	0.054357	21.538	-777.88E-6	-0.15013	1.8593E-6
15.39090	135.29450	21.61000	0.057350	21.538	-890.59E-6	-0.16155	1.9987E-6
17.95605	135.29450	21.61000	0.060454	21.538	-0.0010197	-0.17384	2.1485E-6
20.52120	135.29450	21.61000	0.063659	21.538	-0.0011667	-0.18703	2.3089E-6
23.08635	135.29450	21.61000	0.066950	21.538	-0.0013334	-0.20112	2.4798E-6
25.65150	135.29450	21.61000	0.070310	21.538	-0.0015206	-0.21607	2.6608E-6
28.21665	135.29450	21.61000	0.073717	21.538	-0.0017290	-0.23184	2.8513E-6
30.78180	135.29450	21.61000	0.077149	21.538	-0.0019579	-0.24832	3.0500E-6
33.34695	135.29450	21.61000	0.080580	21.538	-0.0022058	-0.26538	3.2553E-6
35.91210	135.29450	21.61000	0.083983	21.538	-0.0024693	-0.28282	3.4647E-6
38.47725	135.29450	21.61000	0.087330	21.538	-0.0027433	-0.30040	3.6755E-6
41.04240	135.29450	21.61000	0.090594	21.538	-0.0030210	-0.31782	3.8843E-6
43.60755	135.29450	21.61000	0.093748	21.538	-0.0032937	-0.33477	4.0872E-6
46.17270	135.29450	21.61000	0.096768	21.538	-0.0035519	-0.35089	4.2802E-6
48.73785	135.29450	21.61000	0.099629	21.538	-0.0037854	-0.36584	4.4594E-6
51.30300	135.29450	21.61000	0.10231	21.538	-0.0039849	-0.37929	4.6211E-6
53.86815	135.29450	21.61000	0.10479	21.538	-0.0041428	-0.39097	4.7621E-6
56.43330	135.29450	21.61000	0.10705	21.538	-0.0042541	-0.40068	4.8801E-6
58.99845	135.29450	21.61000	0.10907	21.538	-0.0043171	-0.40833	4.9739E-6
61.56360	135.29450	21.61000	0.11083	21.538	-0.0043331	-0.41387	5.0430E-6
64.12875	135.29450	21.61000	0.11232	21.538	-0.0043067	-0.41739	5.0883E-6
66.69390	135.29450	21.61000	0.11353	21.538	-0.0042443	-0.41900	5.1110E-6
69.25905	135.29450	21.61000	0.11444	21.538	-0.0041536	-0.41891	5.1131E-6
71.82420	135.29450	21.61000	0.11505	21.538	-0.0040429	-0.41729	5.0970E-6
74.38935	135.29450	21.61000	0.11535	21.538	-0.0039194	-0.41438	5.0650E-6
76.95450	135.29450	21.61000	0.11535	21.538	-0.0037896	-0.41035	5.0192E-6
79.51965	135.29450	21.61000	0.11505	21.538	-0.0036579	-0.40537	4.9615E-6
82.08480	135.29450	21.61000	0.11446	21.538	-0.0035274	-0.39956	4.8934E-6
84.64995	135.29450	21.61000	0.11359	21.538	-0.0033994	-0.39301	4.8158E-6
87.21510	135.29450	21.61000	0.11244	21.538	-0.0032741	-0.38576	4.7294E-6
89.78025	135.29450	21.61000	0.11104	21.538	-0.0031505	-0.37786	4.6346E-6
92.34540	135.29450	21.61000	0.10939	21.538	-0.0030272	-0.36931	4.5317E-6
94.91055	135.29450	21.61000	0.10752	21.538	-0.0029028	-0.36011	4.4206E-6
97.47570	135.29450	21.61000	0.10544	21.538	-0.0027758	-0.35027	4.3017E-6
100.04085	135.29450	21.61000	0.10317	21.538	-0.0026453	-0.33983	4.1753E-6
102.60600	135.29450	21.61000	0.10072	21.538	-0.0025109	-0.32881	4.0418E-6
105.17115	135.29450	21.61000	0.098109	21.538	-0.0023728	-0.31728	3.9019E-6
107.73630	135.29450	21.61000	0.095366	21.538	-0.0022317	-0.30531	3.7566E-6
110.30145	135.29450	21.61000	0.092506	21.538	-0.0020889	-0.29299	3.6070E-6
112.86660	135.29450	21.61000	0.089550	21.538	-0.0019456	-0.28042	3.4543E-6
115.43175	135.29450	21.61000	0.086518	21.538	-0.0018036	-0.26770	3.2997E-6
117.99690	135.29450	21.61000	0.083431	21.538	-0.0016643	-0.25496	3.1446E-6
120.56205	135.29450	21.61000	0.080310	21.538	-0.0015292	-0.24228	2.9902E-6
123.12720	135.29450	21.61000	0.077175	21.538	-0.0013997	-0.22977	2.8377E-6
125.69235	135.29450	21.61000	0.074043	21.538	-0.0012765	-0.21751	2.6882E-6
128.25750	135.29450	21.61000	0.070934	21.538	-0.0011606	-0.20558	2.5424E-6
130.82265	135.29450	21.61000	0.067863	21.538	-0.0010524	-0.19404	2.4013E-6

133.38780	135.29450	21.61000	0.064845	21.538	-952.01E-6	-0.18292	2.2653E-6
135.95295	135.29450	21.61000	0.061891	21.538	-859.56E-6	-0.17228	2.1349E-6
138.51810	135.29450	21.61000	0.059014	21.538	-774.89E-6	-0.16213	2.0104E-6
141.08325	135.29450	21.61000	0.056221	21.538	-697.71E-6	-0.15249	1.8920E-6
143.64840	135.29450	21.61000	0.053520	21.538	-627.65E-6	-0.14335	1.7797E-6
146.21355	135.29450	21.61000	0.050915	21.538	-564.28E-6	-0.13472	1.6736E-6
148.77870	135.29450	21.61000	0.048411	21.538	-507.13E-6	-0.12660	1.5735E-6
151.34385	135.29450	21.61000	0.046011	21.538	-455.71E-6	-0.11895	1.4793E-6
153.90900	135.29450	21.61000	0.043714	21.538	-409.53E-6	-0.11178	1.3908E-6 !
0.00000	137.75440	21.61000	0.039543	21.538	-364.74E-6	-0.099404	1.2367E-6
2.56515	137.75440	21.61000	0.041741	21.538	-412.88E-6	-0.10638	1.3227E-6
5.13030	137.75440	21.61000	0.044053	21.538	-467.99E-6	-0.11392	1.4154E-6
7.69545	137.75440	21.61000	0.046479	21.538	-531.02E-6	-0.12205	1.5153E-6
10.26060	137.75440	21.61000	0.049017	21.538	-603.02E-6	-0.13081	1.6228E-6
12.82575	137.75440	21.61000	0.051664	21.538	-685.12E-6	-0.14023	1.7382E-6
15.39090	137.75440	21.61000	0.054416	21.538	-778.44E-6	-0.15033	1.8618E-6
17.95605	137.75440	21.61000	0.057265	21.538	-884.12E-6	-0.16114	1.9938E-6
20.52120	137.75440	21.61000	0.060200	21.538	-0.0010032	-0.17266	2.1342E-6
23.08635	137.75440	21.61000	0.063208	21.538	-0.0011364	-0.18487	2.2828E-6
25.65150	137.75440	21.61000	0.066275	21.538	-0.0012843	-0.19774	2.4391E-6
28.21665	137.75440	21.61000	0.069383	21.538	-0.0014469	-0.21121	2.6025E-6
30.78180	137.75440	21.61000	0.072510	21.538	-0.0016234	-0.22520	2.7718E-6
33.34695	137.75440	21.61000	0.075634	21.538	-0.0018122	-0.23958	2.9456E-6
35.91210	137.75440	21.61000	0.078732	21.538	-0.0020107	-0.25419	3.1219E-6
38.47725	137.75440	21.61000	0.081779	21.538	-0.0022151	-0.26884	3.2984E-6
41.04240	137.75440	21.61000	0.084750	21.538	-0.0024205	-0.28330	3.4726E-6
43.60755	137.75440	21.61000	0.087619	21.538	-0.0026211	-0.29733	3.6416E-6
46.17270	137.75440	21.61000	0.090364	21.538	-0.0028106	-0.31067	3.8022E-6
48.73785	137.75440	21.61000	0.092960	21.538	-0.0029823	-0.32306	3.9516E-6
51.30300	137.75440	21.61000	0.095388	21.538	-0.0031304	-0.33427	4.0871E-6
53.86815	137.75440	21.61000	0.097628	21.538	-0.0032499	-0.34410	4.2062E-6
56.43330	137.75440	21.61000	0.099660	21.538	-0.0033376	-0.35240	4.3073E-6
58.99845	137.75440	21.61000	0.10147	21.538	-0.0033921	-0.35908	4.3893E-6
61.56360	137.75440	21.61000	0.10304	21.538	-0.0034142	-0.36412	4.4518E-6
64.12875	137.75440	21.61000	0.10436	21.538	-0.0034063	-0.36754	4.4952E-6
66.69390	137.75440	21.61000	0.10542	21.538	-0.0033725	-0.36943	4.5202E-6
69.25905	137.75440	21.61000	0.10621	21.538	-0.0033174	-0.36990	4.5282E-6
71.82420	137.75440	21.61000	0.10673	21.538	-0.0032462	-0.36909	4.5206E-6
74.38935	137.75440	21.61000	0.10698	21.538	-0.0031635	-0.36713	4.4992E-6
76.95450	137.75440	21.61000	0.10696	21.538	-0.0030737	-0.36417	4.4653E-6
79.51965	137.75440	21.61000	0.10667	21.538	-0.0029798	-0.36032	4.4204E-6
82.08480	137.75440	21.61000	0.10612	21.538	-0.0028842	-0.35568	4.3657E-6
84.64995	137.75440	21.61000	0.10532	21.538	-0.0027880	-0.35032	4.3019E-6
87.21510	137.75440	21.61000	0.10428	21.538	-0.0026917	-0.34430	4.2298E-6
89.78025	137.75440	21.61000	0.10301	21.538	-0.0025951	-0.33765	4.1497E-6
92.34540	137.75440	21.61000	0.10152	21.538	-0.0024976	-0.33038	4.0620E-6
94.91055	137.75440	21.61000	0.099831	21.538	-0.0023984	-0.32253	3.9670E-6
97.47570	137.75440	21.61000	0.097952	21.538	-0.0022967	-0.31412	3.8650E-6

100.04085	137.75440	21.61000	0.095899	21.538	-0.0021923	-0.30517	3.7563E-6
102.60600	137.75440	21.61000	0.093688	21.538	-0.0020849	-0.29572	3.6415E-6
105.17115	137.75440	21.61000	0.091336	21.538	-0.0019747	-0.28583	3.5213E-6
107.73630	137.75440	21.61000	0.088860	21.538	-0.0018624	-0.27556	3.3963E-6
110.30145	137.75440	21.61000	0.086277	21.538	-0.0017487	-0.26498	3.2675E-6
112.86660	137.75440	21.61000	0.083606	21.538	-0.0016346	-0.25418	3.1359E-6
115.43175	137.75440	21.61000	0.080865	21.538	-0.0015213	-0.24324	3.0025E-6
117.99690	137.75440	21.61000	0.078072	21.538	-0.0014099	-0.23224	2.8684E-6
120.56205	137.75440	21.61000	0.075246	21.538	-0.0013015	-0.22128	2.7346E-6
123.12720	137.75440	21.61000	0.072404	21.538	-0.0011970	-0.21043	2.6021E-6
125.69235	137.75440	21.61000	0.069562	21.538	-0.0010972	-0.19976	2.4717E-6
128.25750	137.75440	21.61000	0.066736	21.538	-0.0010027	-0.18934	2.3441E-6
130.82265	137.75440	21.61000	0.063941	21.538	-913.85E-6	-0.17922	2.2202E-6
133.38780	137.75440	21.61000	0.061189	21.538	-830.99E-6	-0.16944	2.1002E-6
135.95295	137.75440	21.61000	0.058492	21.538	-754.16E-6	-0.16003	1.9848E-6
138.51810	137.75440	21.61000	0.055859	21.538	-683.33E-6	-0.15102	1.8741E-6
141.08325	137.75440	21.61000	0.053298	21.538	-618.33E-6	-0.14243	1.7684E-6
143.64840	137.75440	21.61000	0.050816	21.538	-558.94E-6	-0.13425	1.6678E-6
146.21355	137.75440	21.61000	0.048417	21.538	-504.88E-6	-0.12650	1.5723E-6
148.77870	137.75440	21.61000	0.046107	21.538	-455.81E-6	-0.11916	1.4819E-6
151.34385	137.75440	21.61000	0.043887	21.538	-411.39E-6	-0.11224	1.3965E-6
153.90900	137.75440	21.61000	0.041758	21.538	-371.27E-6	-0.10572	1.3159E-6 !
0.00000	140.21430	21.61000	0.037873	21.538	-331.39E-6	-0.094280	1.1736E-6
2.56515	140.21430	21.61000	0.039916	21.538	-373.15E-6	-0.10063	1.2519E-6
5.13030	140.21430	21.61000	0.042059	21.538	-420.57E-6	-0.10746	1.3360E-6
7.69545	140.21430	21.61000	0.044302	21.538	-474.37E-6	-0.11479	1.4261E-6
10.26060	140.21430	21.61000	0.046644	21.538	-535.27E-6	-0.12264	1.5226E-6
12.82575	140.21430	21.61000	0.049081	21.538	-604.07E-6	-0.13104	1.6257E-6
15.39090	140.21430	21.61000	0.051608	21.538	-681.51E-6	-0.13999	1.7354E-6
17.95605	140.21430	21.61000	0.054219	21.538	-768.31E-6	-0.14952	1.8519E-6
20.52120	140.21430	21.61000	0.056903	21.538	-865.07E-6	-0.15960	1.9751E-6
23.08635	140.21430	21.61000	0.059649	21.538	-972.19E-6	-0.17022	2.1047E-6
25.65150	140.21430	21.61000	0.062444	21.538	-0.0010898	-0.18134	2.2402E-6
28.21665	140.21430	21.61000	0.065272	21.538	-0.0012177	-0.19291	2.3809E-6
30.78180	140.21430	21.61000	0.068115	21.538	-0.0013550	-0.20485	2.5259E-6
33.34695	140.21430	21.61000	0.070952	21.538	-0.0015004	-0.21705	2.6738E-6
35.91210	140.21430	21.61000	0.073763	21.538	-0.0016518	-0.22938	2.8233E-6
38.47725	140.21430	21.61000	0.076526	21.538	-0.0018064	-0.24169	2.9723E-6
41.04240	140.21430	21.61000	0.079218	21.538	-0.0019609	-0.25380	3.1188E-6
43.60755	140.21430	21.61000	0.081817	21.538	-0.0021110	-0.26553	3.2607E-6
46.17270	140.21430	21.61000	0.084301	21.538	-0.0022527	-0.27668	3.3956E-6
48.73785	140.21430	21.61000	0.086648	21.538	-0.0023814	-0.28706	3.5213E-6
51.30300	140.21430	21.61000	0.088840	21.538	-0.0024934	-0.29649	3.6357E-6
53.86815	140.21430	21.61000	0.090858	21.538	-0.0025853	-0.30482	3.7371E-6
56.43330	140.21430	21.61000	0.092685	21.538	-0.0026549	-0.31195	3.8241E-6
58.99845	140.21430	21.61000	0.094306	21.538	-0.0027014	-0.31779	3.8959E-6
61.56360	140.21430	21.61000	0.095711	21.538	-0.0027251	-0.32232	3.9520E-6
64.12875	140.21430	21.61000	0.096886	21.538	-0.0027272	-0.32555	3.9926E-6

66.69390	140.21430	21.61000	0.097827	21.538	-0.0027103	-0.32753	4.0181E-6
69.25905	140.21430	21.61000	0.098525	21.538	-0.0026773	-0.32833	4.0294E-6
71.82420	140.21430	21.61000	0.098980	21.538	-0.0026313	-0.32800	4.0275E-6
74.38935	140.21430	21.61000	0.099191	21.538	-0.0025756	-0.32675	4.0134E-6
76.95450	140.21430	21.61000	0.099159	21.538	-0.0025128	-0.32457	3.9883E-6
79.51965	140.21430	21.61000	0.098890	21.538	-0.0024452	-0.32158	3.9533E-6
82.08480	140.21430	21.61000	0.098388	21.538	-0.0023746	-0.31786	3.9091E-6
84.64995	140.21430	21.61000	0.097662	21.538	-0.0023018	-0.31346	3.8565E-6
87.21510	140.21430	21.61000	0.096721	21.538	-0.0022276	-0.30843	3.7960E-6
89.78025	140.21430	21.61000	0.095575	21.538	-0.0021518	-0.30282	3.7283E-6
92.34540	140.21430	21.61000	0.094234	21.538	-0.0020744	-0.29664	3.6535E-6
94.91055	140.21430	21.61000	0.092710	21.538	-0.0019951	-0.28993	3.5721E-6
97.47570	140.21430	21.61000	0.091017	21.538	-0.0019135	-0.28271	3.4844E-6
100.04085	140.21430	21.61000	0.089167	21.538	-0.0018296	-0.27502	3.3908E-6
102.60600	140.21430	21.61000	0.087174	21.538	-0.0017433	-0.26690	3.2918E-6
105.17115	140.21430	21.61000	0.085054	21.538	-0.0016548	-0.25838	3.1880E-6
107.73630	140.21430	21.61000	0.082820	21.538	-0.0015646	-0.24953	3.0801E-6
110.30145	140.21430	21.61000	0.080489	21.538	-0.0014734	-0.24041	2.9688E-6
112.86660	140.21430	21.61000	0.078078	21.538	-0.0013818	-0.23109	2.8550E-6
115.43175	140.21430	21.61000	0.075601	21.538	-0.0012906	-0.22163	2.7394E-6
117.99690	140.21430	21.61000	0.073076	21.538	-0.0012008	-0.21210	2.6230E-6
120.56205	140.21430	21.61000	0.070517	21.538	-0.0011131	-0.20259	2.5066E-6
123.12720	140.21430	21.61000	0.067942	21.538	-0.0010283	-0.19314	2.3909E-6
125.69235	140.21430	21.61000	0.065363	21.538	-946.83E-6	-0.18382	2.2768E-6
128.25750	140.21430	21.61000	0.062796	21.538	-869.31E-6	-0.17469	2.1649E-6
130.82265	140.21430	21.61000	0.060252	21.538	-796.08E-6	-0.16579	2.0557E-6
133.38780	140.21430	21.61000	0.057744	21.538	-727.35E-6	-0.15716	1.9497E-6
135.95295	140.21430	21.61000	0.055280	21.538	-663.25E-6	-0.14883	1.8472E-6
138.51810	140.21430	21.61000	0.052871	21.538	-603.78E-6	-0.14081	1.7487E-6
141.08325	140.21430	21.61000	0.050523	21.538	-548.89E-6	-0.13314	1.6542E-6
143.64840	140.21430	21.61000	0.048243	21.538	-498.42E-6	-0.12581	1.5639E-6
146.21355	140.21430	21.61000	0.046036	21.538	-452.21E-6	-0.11883	1.4779E-6
148.77870	140.21430	21.61000	0.043904	21.538	-410.01E-6	-0.11221	1.3961E-6
151.34385	140.21430	21.61000	0.041852	21.538	-371.60E-6	-0.10593	1.3186E-6
153.90900	140.21430	21.61000	0.039880	21.538	-336.71E-6	-0.099994	1.2452E-6 !
0.00000	142.67420	21.61000	0.036255	21.538	-301.00E-6	-0.089405	1.1134E-6
2.56515	142.67420	21.61000	0.038152	21.538	-337.22E-6	-0.095186	1.1847E-6
5.13030	142.67420	21.61000	0.040137	21.538	-378.04E-6	-0.10137	1.2610E-6
7.69545	142.67420	21.61000	0.042210	21.538	-423.98E-6	-0.10798	1.3424E-6
10.26060	142.67420	21.61000	0.044369	21.538	-475.56E-6	-0.11503	1.4291E-6
12.82575	142.67420	21.61000	0.046610	21.538	-533.32E-6	-0.12252	1.5212E-6
15.39090	142.67420	21.61000	0.048929	21.538	-597.75E-6	-0.13047	1.6188E-6
17.95605	142.67420	21.61000	0.051319	21.538	-669.28E-6	-0.13888	1.7218E-6
20.52120	142.67420	21.61000	0.053771	21.538	-748.26E-6	-0.14772	1.8301E-6
23.08635	142.67420	21.61000	0.056276	21.538	-834.84E-6	-0.15699	1.9435E-6
25.65150	142.67420	21.61000	0.058820	21.538	-928.98E-6	-0.16664	2.0613E-6
28.21665	142.67420	21.61000	0.061390	21.538	-0.0010303	-0.17662	2.1830E-6
30.78180	142.67420	21.61000	0.063969	21.538	-0.0011381	-0.18686	2.3078E-6

33.34695	142.67420	21.61000	0.066541	21.538	-0.0012513	-0.19728	2.4346E-6
35.91210	142.67420	21.61000	0.069087	21.538	-0.0013682	-0.20776	2.5620E-6
38.47725	142.67420	21.61000	0.071586	21.538	-0.0014868	-0.21818	2.6887E-6
41.04240	142.67420	21.61000	0.074020	21.538	-0.0016046	-0.22841	2.8129E-6
43.60755	142.67420	21.61000	0.076367	21.538	-0.0017187	-0.23830	2.9330E-6
46.17270	142.67420	21.61000	0.078609	21.538	-0.0018263	-0.24770	3.0472E-6
48.73785	142.67420	21.61000	0.080726	21.538	-0.0019245	-0.25647	3.1537E-6
51.30300	142.67420	21.61000	0.082700	21.538	-0.0020105	-0.26446	3.2511E-6
53.86815	142.67420	21.61000	0.084516	21.538	-0.0020822	-0.27158	3.3379E-6
56.43330	142.67420	21.61000	0.086158	21.538	-0.0021380	-0.27772	3.4131E-6
58.99845	142.67420	21.61000	0.087614	21.538	-0.0021774	-0.28284	3.4760E-6
61.56360	142.67420	21.61000	0.088872	21.538	-0.0022003	-0.28689	3.5261E-6
64.12875	142.67420	21.61000	0.089924	21.538	-0.0022075	-0.28989	3.5635E-6
66.69390	142.67420	21.61000	0.090763	21.538	-0.0022006	-0.29185	3.5885E-6
69.25905	142.67420	21.61000	0.091385	21.538	-0.0021813	-0.29282	3.6015E-6
71.82420	142.67420	21.61000	0.091788	21.538	-0.0021516	-0.29287	3.6031E-6
74.38935	142.67420	21.61000	0.091973	21.538	-0.0021138	-0.29205	3.5943E-6
76.95450	142.67420	21.61000	0.091940	21.538	-0.0020695	-0.29045	3.5757E-6
79.51965	142.67420	21.61000	0.091695	21.538	-0.0020205	-0.28811	3.5482E-6
82.08480	142.67420	21.61000	0.091242	21.538	-0.0019678	-0.28510	3.5123E-6
84.64995	142.67420	21.61000	0.090588	21.538	-0.0019125	-0.28147	3.4688E-6
87.21510	142.67420	21.61000	0.089740	21.538	-0.0018548	-0.27727	3.4180E-6
89.78025	142.67420	21.61000	0.088709	21.538	-0.0017952	-0.27251	3.3605E-6
92.34540	142.67420	21.61000	0.087502	21.538	-0.0017336	-0.26725	3.2966E-6
94.91055	142.67420	21.61000	0.086132	21.538	-0.0016700	-0.26150	3.2267E-6
97.47570	142.67420	21.61000	0.084608	21.538	-0.0016043	-0.25530	3.1512E-6
100.04085	142.67420	21.61000	0.082942	21.538	-0.0015366	-0.24868	3.0704E-6
102.60600	142.67420	21.61000	0.081148	21.538	-0.0014669	-0.24167	2.9848E-6
105.17115	142.67420	21.61000	0.079237	21.538	-0.0013954	-0.23431	2.8950E-6
107.73630	142.67420	21.61000	0.077224	21.538	-0.0013225	-0.22666	2.8015E-6
110.30145	142.67420	21.61000	0.075121	21.538	-0.0012488	-0.21877	2.7050E-6
112.86660	142.67420	21.61000	0.072944	21.538	-0.0011747	-0.21068	2.6061E-6
115.43175	142.67420	21.61000	0.070707	21.538	-0.0011008	-0.20247	2.5056E-6
117.99690	142.67420	21.61000	0.068424	21.538	-0.0010279	-0.19419	2.4041E-6
120.56205	142.67420	21.61000	0.066109	21.538	-956.46E-6	-0.18589	2.3025E-6
123.12720	142.67420	21.61000	0.063775	21.538	-887.08E-6	-0.17764	2.2012E-6
125.69235	142.67420	21.61000	0.061435	21.538	-820.23E-6	-0.16948	2.1011E-6
128.25750	142.67420	21.61000	0.059102	21.538	-756.31E-6	-0.16145	2.0025E-6
130.82265	142.67420	21.61000	0.056787	21.538	-695.62E-6	-0.15360	1.9061E-6
133.38780	142.67420	21.61000	0.054500	21.538	-638.36E-6	-0.14596	1.8121E-6
135.95295	142.67420	21.61000	0.052251	21.538	-584.66E-6	-0.13856	1.7210E-6
138.51810	142.67420	21.61000	0.050046	21.538	-534.57E-6	-0.13142	1.6331E-6
141.08325	142.67420	21.61000	0.047894	21.538	-488.07E-6	-0.12455	1.5485E-6
143.64840	142.67420	21.61000	0.045800	21.538	-445.09E-6	-0.11798	1.4673E-6
146.21355	142.67420	21.61000	0.043768	21.538	-405.50E-6	-0.11169	1.3898E-6
148.77870	142.67420	21.61000	0.041802	21.538	-369.16E-6	-0.10570	1.3158E-6
151.34385	142.67420	21.61000	0.039905	21.538	-335.89E-6	-0.10001	1.2454E-6
153.90900	142.67420	21.61000	0.038078	21.538	-305.51E-6	-0.094601	1.1786E-6 !

0.00000	145.13410	21.61000	0.034692	21.538	-273.38E-6	-0.084775	1.0562E-6
2.56515	145.13410	21.61000	0.036452	21.538	-304.80E-6	-0.090038	1.1212E-6
5.13030	145.13410	21.61000	0.038290	21.538	-339.96E-6	-0.095645	1.1904E-6
7.69545	145.13410	21.61000	0.040204	21.538	-379.23E-6	-0.10161	1.2639E-6
10.26060	145.13410	21.61000	0.042193	21.538	-422.99E-6	-0.10794	1.3419E-6
12.82575	145.13410	21.61000	0.044253	21.538	-471.58E-6	-0.11463	1.4243E-6
15.39090	145.13410	21.61000	0.046380	21.538	-525.34E-6	-0.12170	1.5112E-6
17.95605	145.13410	21.61000	0.048566	21.538	-584.51E-6	-0.12914	1.6025E-6
20.52120	145.13410	21.61000	0.050805	21.538	-649.27E-6	-0.13692	1.6980E-6
23.08635	145.13410	21.61000	0.053088	21.538	-719.63E-6	-0.14504	1.7974E-6
25.65150	145.13410	21.61000	0.055402	21.538	-795.47E-6	-0.15344	1.9003E-6
28.21665	145.13410	21.61000	0.057735	21.538	-876.40E-6	-0.16209	2.0060E-6
30.78180	145.13410	21.61000	0.060074	21.538	-961.80E-6	-0.17092	2.1139E-6
33.34695	145.13410	21.61000	0.062402	21.538	-0.0010507	-0.17986	2.2231E-6
35.91210	145.13410	21.61000	0.064704	21.538	-0.0011420	-0.18883	2.3324E-6
38.47725	145.13410	21.61000	0.066962	21.538	-0.0012340	-0.19772	2.4407E-6
41.04240	145.13410	21.61000	0.069159	21.538	-0.0013251	-0.20642	2.5468E-6
43.60755	145.13410	21.61000	0.071276	21.538	-0.0014131	-0.21482	2.6491E-6
46.17270	145.13410	21.61000	0.073296	21.538	-0.0014961	-0.22281	2.7465E-6
48.73785	145.13410	21.61000	0.075203	21.538	-0.0015720	-0.23027	2.8375E-6
51.30300	145.13410	21.61000	0.076980	21.538	-0.0016390	-0.23710	2.9209E-6
53.86815	145.13410	21.61000	0.078613	21.538	-0.0016956	-0.24321	2.9956E-6
56.43330	145.13410	21.61000	0.080089	21.538	-0.0017408	-0.24853	3.0608E-6
58.99845	145.13410	21.61000	0.081397	21.538	-0.0017739	-0.25301	3.1160E-6
61.56360	145.13410	21.61000	0.082526	21.538	-0.0017950	-0.25663	3.1607E-6
64.12875	145.13410	21.61000	0.083470	21.538	-0.0018045	-0.25937	3.1948E-6
66.69390	145.13410	21.61000	0.084223	21.538	-0.0018033	-0.26126	3.2186E-6
69.25905	145.13410	21.61000	0.084781	21.538	-0.0017926	-0.26231	3.2322E-6
71.82420	145.13410	21.61000	0.085142	21.538	-0.0017736	-0.26257	3.2362E-6
74.38935	145.13410	21.61000	0.085307	21.538	-0.0017478	-0.26208	3.2310E-6
76.95450	145.13410	21.61000	0.085278	21.538	-0.0017164	-0.26089	3.2173E-6
79.51965	145.13410	21.61000	0.085058	21.538	-0.0016804	-0.25906	3.1955E-6
82.08480	145.13410	21.61000	0.084652	21.538	-0.0016409	-0.25661	3.1663E-6
84.64995	145.13410	21.61000	0.084066	21.538	-0.0015985	-0.25361	3.1301E-6
87.21510	145.13410	21.61000	0.083305	21.538	-0.0015535	-0.25007	3.0873E-6
89.78025	145.13410	21.61000	0.082379	21.538	-0.0015064	-0.24604	3.0384E-6
92.34540	145.13410	21.61000	0.081296	21.538	-0.0014572	-0.24155	2.9837E-6
94.91055	145.13410	21.61000	0.080064	21.538	-0.0014061	-0.23661	2.9236E-6
97.47570	145.13410	21.61000	0.078693	21.538	-0.0013530	-0.23127	2.8583E-6
100.04085	145.13410	21.61000	0.077195	21.538	-0.0012981	-0.22555	2.7884E-6
102.60600	145.13410	21.61000	0.075580	21.538	-0.0012415	-0.21948	2.7142E-6
105.17115	145.13410	21.61000	0.073859	21.538	-0.0011834	-0.21311	2.6363E-6
107.73630	145.13410	21.61000	0.072044	21.538	-0.0011242	-0.20647	2.5550E-6
110.30145	145.13410	21.61000	0.070148	21.538	-0.0010642	-0.19961	2.4710E-6
112.86660	145.13410	21.61000	0.068184	21.538	-0.0010038	-0.19258	2.3848E-6
115.43175	145.13410	21.61000	0.066163	21.538	-943.59E-6	-0.18543	2.2971E-6
117.99690	145.13410	21.61000	0.064098	21.538	-883.97E-6	-0.17820	2.2084E-6
120.56205	145.13410	21.61000	0.062002	21.538	-825.42E-6	-0.17094	2.1193E-6

123.12720	145.13410	21.61000	0.059887	21.538	-768.36E-6	-0.16370	2.0304E-6
125.69235	145.13410	21.61000	0.057763	21.538	-713.18E-6	-0.15653	1.9422E-6
128.25750	145.13410	21.61000	0.055643	21.538	-660.19E-6	-0.14945	1.8552E-6
130.82265	145.13410	21.61000	0.053536	21.538	-609.65E-6	-0.14251	1.7698E-6
133.38780	145.13410	21.61000	0.051451	21.538	-561.74E-6	-0.13573	1.6864E-6
135.95295	145.13410	21.61000	0.049396	21.538	-516.59E-6	-0.12915	1.6052E-6
138.51810	145.13410	21.61000	0.047379	21.538	-474.26E-6	-0.12277	1.5266E-6
141.08325	145.13410	21.61000	0.045406	21.538	-434.75E-6	-0.11662	1.4507E-6
143.64840	145.13410	21.61000	0.043482	21.538	-398.05E-6	-0.11071	1.3777E-6
146.21355	145.13410	21.61000	0.041612	21.538	-364.06E-6	-0.10504	1.3076E-6
148.77870	145.13410	21.61000	0.039798	21.538	-332.70E-6	-0.099616	1.2406E-6
151.34385	145.13410	21.61000	0.038045	21.538	-303.85E-6	-0.094445	1.1767E-6
153.90900	145.13410	21.61000	0.036354	21.538	-277.38E-6	-0.089522	1.1157E-6 !
0.00000	147.59400	21.61000	0.033186	21.538	-248.32E-6	-0.080387	1.0019E-6 !
2.56515	147.59400	21.61000	0.034818	21.538	-275.59E-6	-0.085179	1.0612E-6 !
5.13030	147.59400	21.61000	0.036518	21.538	-305.91E-6	-0.090264	1.1240E-6 !
7.69545	147.59400	21.61000	0.038285	21.538	-339.53E-6	-0.095649	1.1905E-6 !
10.26060	147.59400	21.61000	0.040117	21.538	-376.71E-6	-0.10134	1.2606E-6 !
12.82575	147.59400	21.61000	0.042009	21.538	-417.70E-6	-0.10733	1.3345E-6 !
15.39090	147.59400	21.61000	0.043959	21.538	-462.69E-6	-0.11363	1.4120E-6 !
17.95605	147.59400	21.61000	0.045959	21.538	-511.82E-6	-0.12022	1.4931E-6 !
20.52120	147.59400	21.61000	0.048003	21.538	-565.16E-6	-0.12709	1.5775E-6 !
23.08635	147.59400	21.61000	0.050081	21.538	-622.66E-6	-0.13422	1.6650E-6 !
25.65150	147.59400	21.61000	0.052185	21.538	-684.14E-6	-0.14156	1.7551E-6 !
28.21665	147.59400	21.61000	0.054303	21.538	-749.25E-6	-0.14909	1.8473E-6 !
30.78180	147.59400	21.61000	0.056423	21.538	-817.46E-6	-0.15674	1.9410E-6 !
33.34695	147.59400	21.61000	0.058530	21.538	-888.03E-6	-0.16446	2.0355E-6 !
35.91210	147.59400	21.61000	0.060610	21.538	-960.02E-6	-0.17218	2.1298E-6 !
38.47725	147.59400	21.61000	0.062649	21.538	-0.0010323	-0.17980	2.2230E-6 !
41.04240	147.59400	21.61000	0.064630	21.538	-0.0011035	-0.18725	2.3140E-6 !
43.60755	147.59400	21.61000	0.066538	21.538	-0.0011722	-0.19444	2.4019E-6 !
46.17270	147.59400	21.61000	0.068357	21.538	-0.0012371	-0.20128	2.4854E-6 !
48.73785	147.59400	21.61000	0.070073	21.538	-0.0012965	-0.20767	2.5635E-6 !
51.30300	147.59400	21.61000	0.071672	21.538	-0.0013494	-0.21354	2.6354E-6 !
53.86815	147.59400	21.61000	0.073141	21.538	-0.0013946	-0.21881	2.7000E-6 !
56.43330	147.59400	21.61000	0.074468	21.538	-0.0014313	-0.22344	2.7569E-6 !
58.99845	147.59400	21.61000	0.075644	21.538	-0.0014592	-0.22737	2.8053E-6 !
61.56360	147.59400	21.61000	0.076660	21.538	-0.0014781	-0.23059	2.8451E-6 !
64.12875	147.59400	21.61000	0.077509	21.538	-0.0014883	-0.23309	2.8761E-6 !
66.69390	147.59400	21.61000	0.078186	21.538	-0.0014903	-0.23486	2.8983E-6 !
69.25905	147.59400	21.61000	0.078689	21.538	-0.0014849	-0.23593	2.9119E-6 !
71.82420	147.59400	21.61000	0.079016	21.538	-0.0014729	-0.23631	2.9173E-6 !
74.38935	147.59400	21.61000	0.079167	21.538	-0.0014553	-0.23605	2.9147E-6 !
76.95450	147.59400	21.61000	0.079143	21.538	-0.0014328	-0.23518	2.9045E-6 !
79.51965	147.59400	21.61000	0.078948	21.538	-0.0014062	-0.23373	2.8873E-6 !

82.08480	147.59400	21.61000	0.078586	21.538	-0.0013763	-0.23174	2.8634E-6 !
84.64995	147.59400	21.61000	0.078062	21.538	-0.0013436	-0.22924	2.8331E-6 !
87.21510	147.59400	21.61000	0.077381	21.538	-0.0013084	-0.22626	2.7970E-6 !
89.78025	147.59400	21.61000	0.076551	21.538	-0.0012710	-0.22283	2.7552E-6 !
92.34540	147.59400	21.61000	0.075579	21.538	-0.0012315	-0.21898	2.7083E-6 !
94.91055	147.59400	21.61000	0.074472	21.538	-0.0011902	-0.21473	2.6564E-6 !
97.47570	147.59400	21.61000	0.073241	21.538	-0.0011472	-0.21011	2.6000E-6 !
100.04085	147.59400	21.61000	0.071893	21.538	-0.0011025	-0.20516	2.5393E-6 !
102.60600	147.59400	21.61000	0.070440	21.538	-0.0010563	-0.19990	2.4748E-6 !
105.17115	147.59400	21.61000	0.068890	21.538	-0.0010089	-0.19436	2.4070E-6 !
107.73630	147.59400	21.61000	0.067254	21.538	-960.49E-6	-0.18858	2.3361E-6 !
110.30145	147.59400	21.61000	0.065544	21.538	-911.40E-6	-0.18261	2.2628E-6 !
112.86660	147.59400	21.61000	0.063771	21.538	-861.96E-6	-0.17647	2.1875E-6 !
115.43175	147.59400	21.61000	0.061945	21.538	-812.54E-6	-0.17021	2.1107E-6 !
117.99690	147.59400	21.61000	0.060077	21.538	-763.51E-6	-0.16388	2.0328E-6 !
120.56205	147.59400	21.61000	0.058179	21.538	-715.23E-6	-0.15751	1.9545E-6 !
123.12720	147.59400	21.61000	0.056261	21.538	-668.05E-6	-0.15115	1.8762E-6 !
125.69235	147.59400	21.61000	0.054334	21.538	-622.26E-6	-0.14482	1.7984E-6 !
128.25750	147.59400	21.61000	0.052406	21.538	-578.12E-6	-0.13856	1.7213E-6 !
130.82265	147.59400	21.61000	0.050487	21.538	-535.84E-6	-0.13241	1.6455E-6 !
133.38780	147.59400	21.61000	0.048585	21.538	-495.59E-6	-0.12638	1.5712E-6 !
135.95295	147.59400	21.61000	0.046708	21.538	-457.49E-6	-0.12051	1.4988E-6 !
138.51810	147.59400	21.61000	0.044862	21.538	-421.59E-6	-0.11480	1.4283E-6 !
141.08325	147.59400	21.61000	0.043053	21.538	-387.94E-6	-0.10928	1.3602E-6 !
143.64840	147.59400	21.61000	0.041285	21.538	-356.51E-6	-0.10396	1.2944E-6 !
146.21355	147.59400	21.61000	0.039563	21.538	-327.27E-6	-0.098840	1.2311E-6 !
148.77870	147.59400	21.61000	0.037891	21.538	-300.17E-6	-0.093929	1.1703E-6 !
151.34385	147.59400	21.61000	0.036271	21.538	-275.11E-6	-0.089229	1.1121E-6 !
153.90900	147.59400	21.61000	0.034705	21.538	-252.00E-6	-0.084741	1.0565E-6 !

Analysis Options

Analysis: Boussinesq
 Global Poisson's ratio: 0.50
 Maximum allowable ratio between values of E: 1.5
 Horizontal rigid boundary level: -10.00 [m OD]
 Stiffness for horizontal displacement calculations: Weighted average
 Using legacy heave correction factor: No
 Displacements at load centroids: Yes

Soil Profiles Soil Profile 1

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus		Poissons ratio	Non-linear curve
			Top [kN/m ²]	Btm [kN/m ²]		
1	27.000	10	14000.	14000.	0.20000	None
2	24.500	8	30000.	30000.	0.20000	None
3	22.500	74	36000.	108000.	0.50000	None
4	4.0000	52	144000.	279800.	0.50000	None

Soil Zones

Zone	Name	X coordinates		Y coordinates		Profile
		min [m]	max [m]	min [m]	max [m]	
1	Boundary	0.00000	153.90850	0.00000	147.59380	Soil Profile 1

Load Data

Load ref. Number	Name	Load value	Shape	Orientation		Centre of load (Global)			Load position		Polygon Coordinates	[m]	[%]
				Tangential	of (local z)	(local x)	(local y)	X	Y	Z			
10.000	Enabling Works 1.1	18.600	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(80.2, 85.5)	(88.3, 85.6)	
											(87.5, 69.3)	(87.4, 69.3)	
											(87.3, 68.3)	(84.6, 68.3)	
											(84.6, 69)	(79.7, 69)	
											(80.2, 85.5)		

2 Enabling 10.000	9	Polygonal 18.600	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(50.8, 54) (50.8, 50)
Works 1.2									(72.2, 50.8) (72.3, 50.5) (74.4, 50.6) (74.6, 50.9) (74.9, 50.9) (74.9, 56.6) (69.4, 56.7) (69.4, 56.5) (69.3, 56.5) (69.3, 54.4) (69.4, 54.4) (69.4, 53.9) (69.3, 53.9) (69.3, 54) (50.9, 54) (50.9, 54) (50.8, 54)
3 Enabling 10.000	2	Polygonal 11.600	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(79.7, 56.6) (79.7, 51.1)
Works 2									(84.2, 51.2) (84.2, 56.4) (84, 56.4) (84, 56.6) (79.7, 56.6)
4 Enabling 10.000	1	Polygonal 0.60000	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(51, 83.7) (56.3, 83.7)
Works 3									(56.2, 62.7) (50.9, 62.7) (51, 83.7)
5 Enabling 10.000	5	Polygonal -11.400	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(51.2, 62.7) (56.2, 62.7)
Works 4									(56.2, 57.3) (68.6, 57.2) (69.4, 57.2) (69.4, 56.5) (69.3, 56.5) (69.3, 54.4) (69.4, 54.4) (69.4, 53.9) (69.3, 53.9) (69.3, 54) (50.9, 54) (50.9, 62.7) (51.2, 62.7)
6 Enabling 10.000	8	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(88.3, 85.6) (103, 85.7)
Works 5.1									(103, 84.7) (104, 84.7) (104, 84.3) (103, 84.3) (102, 62.8) (88.3, 62.7) (87.6, 64.7) (87.5, 67.9) (87.3, 68.3) (87.4, 69.3) (87.5, 69.3) (88.3, 85.6)
7 Enabling 10.000	4	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(79.7, 69) (79.8, 68.6)
Works 5.2									(79.8, 57.6) (79.8, 56.6) (74.8, 56.6) (74.7, 57.1) (74.6, 57.1) (74.7, 68.5) (74.8, 68.5) (74.8, 68.8) (74.8, 69) (75, 69) (79.7, 69)
8 Enabling 10.000	6	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(50.9, 86.8) (50.9, 92.6)
Works 5.3									(50, 92.6) (49.9, 97.4) (57, 97.3) (57.1, 93.3) (67.2, 93.5) (67.2, 91.8)

9	Enabling	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(66.2,86.8) (50.9,86.8)
10.000	17	-18.400	N/A	N/A						(79.7,69) (84.6,69)
	Works 6.1									(84.6,68.3) (87.3,68.3)
										(87.5,67.9) (87.6,64.7)
										(88.3,62.7) (102,62.8)
										(102,52.4) (102,52.4)
										(102,51.8) (102,51.8)
										(102,51.9) (84.2,51.2)
										(84.2,56.4) (84,56.4)
										(84,56.6) (79.8,56.6)
										(79.8,68.6) (79.7,69)
10	Enabling	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(51,83.7) (51,83.8)
10.000	9	-18.400	N/A	N/A						
	Works 6.2									(50.8,83.8) (50.8,84.3)
										(50.9,84.3) (50.9,86.8)
										(66.2,86.8) (66.1,68.3)
										(68.8,68.3) (68.8,69.1)
										(74.8,69) (74.8,68.5)
										(74.7,68.5) (74.6,57.1)
										(74.7,57.1) (74.8,56.6)
										(69.4,56.7) (69.4,56.5)
										(69.4,57.2) (56.2,57.3)
										(56.3,83.7) (51,83.7)
11	B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(88.3,85.8) (104,85.8)
10.000	11	-107.80	N/A	N/A						
	Excavation A									(102,62.8) (88.3,62.7)
										(87.6,64.7) (87.5,67.9)
										(87.3,68.3) (87.4,69.3)
										(87.5,69.3) (88.3,85.8)
12	B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(79.9,77.2) (81.2,77.2)
10.000	26	-107.80	N/A	N/A						
	Excavation B									(81.2,78.7) (83.8,78.7)
										(83.9,80.4) (83.8,82.9)
										(86,83) (85.9,85.8)
										(88.3,85.8) (87.5,69.3)
										(87.4,69.3) (87.3,68.3)
										(87.5,67.9) (87.6,64.7)
										(88.3,62.7) (102,62.8)
										(102,53.1) (102,52.9)
										(87.6,52.4) (87.7,52.2)
										(87.7,50.4) (85.9,50.3)
										(85.9,50.5) (85.4,50.6)
										(85.3,50.1) (81,50) (80.7,51)
										(80.7,50.6) (79.7,50.6)
										(79.7,53.6) (79.7,56.6)
										(79.8,56.6) (79.8,68.1)
										(82.7,68.2) (82.6,71.4)

13 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(79.8, 71.3)	(79.9, 77.2)
10.000	5	-107.80	N/A	N/A					(69.6, 69.1)	(68.8, 69.1)
Excavation C										
									(68.8, 68.3)	(67.8, 68.3)
									(67.4, 78.2)	(70.5, 78.3)
									(70.6, 73.9)	(77.8, 74.2)
									(77.7, 77.1)	(79.9, 77.2)
									(79.8, 71.3)	(69.6, 70.9)
									(69.6, 69.1)	
14 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(79.8, 68.1)	(79.8, 56.6)
10.000	4	-107.80	N/A	N/A						
Excavation D										
									(79.7, 56.6)	(79.7, 50.6)
									(74.9, 50.4)	(74.9, 56.6)
									(74.8, 56.6)	(74.7, 57.1)
									(74.6, 57.1)	(74.7, 67.9)
									(79.8, 68.1)	
15 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(49.7, 69.5)	(49.7, 50.1)
10.000	10	-107.80	N/A	N/A						
Excavation F										
									(49.9, 49.6)	(50.3, 49.2)
									(50.8, 49.1)	(73.3, 49.8)
									(73.3, 50.4)	(74.9, 50.4)
									(74.9, 56.6)	(74.8, 56.6)
									(74.7, 57.1)	(74.6, 57.1)
									(74.7, 67.9)	(69.7, 67.8)
									(69.6, 69.1)	(68.8, 69.1)
									(68.8, 68.3)	(67.8, 68.3)
									(67.8, 67.9)	(61.9, 67.7)
									(61.9, 69.9)	(49.7, 69.5)
16 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(57.6, 97.8)	(50.4, 97.7)
10.000	20	-107.80	N/A	N/A						
Excavation G										
									(50.4, 86.8)	(66.2, 86.8)
									(66.1, 68.3)	(67.8, 68.3)
									(67.4, 78.2)	(70.5, 78.3)
									(70.6, 73.9)	(77.8, 74.2)
									(77.7, 77.1)	(81.2, 77.2)
									(81.2, 78.7)	(83.8, 78.7)
									(83.8, 82.9)	(86, 83)
									(85.9, 85.8)	(89.1, 85.8)
									(89.1, 90.1)	(83.8, 90.1)
									(83.7, 94)	(68.9, 94)
									(68.9, 93.7)	(57.6, 93.8)
									(57.6, 97.8)	
17 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(53.3, 86.8)	(50.4, 86.8)
10.000	7	-107.80	N/A	N/A						
Excavation H										
									(50.4, 85.2)	(49.7, 85.2)
									(49.7, 69.5)	(61.9, 69.9)
									(61.9, 67.7)	(67.8, 67.9)
									(67.8, 68.3)	(66.1, 68.3)

18 Lift Pit - 10.000	Polygonal 1	Horizontal -107.80	N/A N/A	N/A N/A	N/A N/A	N/A N/A	(66.2, 86.8) (53.3, 86.8) (69.6, 70.9) (82.6, 71.4)
Excavation							(82.7, 68.2) (69.7, 67.8) (69.6, 70.9)

Polygonal Loads' Rectangles

No.	Centre of load		Angle of	Width x	Depth y
	X	Y	local x		
			from		
			global X		
	[m]	[m]	[Degrees]	[m]	[m]
Load 1 : Enabling Works 1.1					
(Edge 1 optimal)					
1	85.96575	68.62430	-90.000	0.72060	2.7389
2	86.25496	85.51930	-90.000	0.080600	4.0650
3	83.90496	77.39135	-90.000	16.175	7.9464
4	83.53306	69.15790	-90.000	0.29160	7.6579
Load 2 : Enabling Works 1.2					
(Edge 8 optimal)					
1	74.72227	53.76071	179.70	0.29834	5.7764
2	74.50608	53.69022	179.70	0.13328	5.9196
3	73.38191	53.60396	179.70	2.1141	6.1038
4	72.27104	53.65303	179.70	0.10809	6.0171
5	70.82165	53.69847	179.70	2.7911	5.9413
6	69.36205	55.45700	179.70	0.11140	2.0256
7	69.34631	52.28483	179.70	0.14490	3.2210
8	60.08459	52.17200	179.70	18.377	3.6701
9	50.86525	51.98391	179.70	0.059351	3.9657
Load 3 : Enabling Works 2					
(Edge 6 optimal)					
1	84.10209	53.82223	179.70	0.17084	5.1608
2	81.83703	53.88717	179.70	4.3426	5.4473
Load 4 : Enabling Works 3					
(Edge 1 optimal)					
1	53.57203	73.19282	89.768	20.955	5.2830
Load 5 : Enabling Works 4					
(Edge 5 optimal)					
1	69.35496	53.93215	89.790	0.073173	0.14390
2	60.16382	54.24442	89.790	0.46665	18.523
3	60.10138	55.49083	89.790	2.0257	18.398
4	60.16260	56.85433	89.790	0.70086	18.521
5	53.53159	59.98233	89.790	5.4340	5.2588
Load 6 : Enabling Works 5.1					
(Edge 1 optimal)					
1	87.39194	68.73367	177.17	0.10142	1.1364
2	103.47440	84.49295	177.17	0.057148	0.35654
3	102.87954	73.74655	177.17	0.051448	21.875

4	102.83684	74.00626	177.17	0.059465	22.397
5	95.82251	74.19070	177.17	13.970	22.928
6	88.47096	74.61110	177.17	0.75634	21.938
7	88.02372	75.92575	177.17	0.26668	19.295
8	87.89848	76.77219	177.17	0.066950	17.597

Load 7 : Enabling Works 5.2

(Edge 2 optimal)

1	77.30828	62.82955	179.71	4.7194	12.389
2	74.86860	62.84227	179.71	0.16007	12.389
3	74.71247	62.84688	179.71	0.057203	11.400
4	79.73953	62.71925	179.71	0.14339	12.195

Load 8 : Enabling Works 5.3

(Edge 9 optimal)

1	67.01345	92.21826	-179.22	0.36715	2.5219
2	66.65756	91.38615	-179.22	0.36715	4.1763
3	66.30167	90.55403	-179.22	0.36715	5.8308
4	61.61512	90.10464	-179.22	9.0173	6.6023
5	53.97184	92.08378	-179.22	6.2083	10.579
6	50.39858	94.99581	-179.22	0.85857	4.8591

Load 9 : Enabling Works 6.1

(Edge 20 optimal)

1	79.73580	68.96266	-0.29546	0.071904	0.098465
2	79.80721	68.86498	-0.29546	0.071904	0.29301
3	81.94089	62.80476	-0.29546	4.2276	12.389
4	84.14830	62.69382	-0.29546	0.17106	12.586
5	84.40097	60.11840	-0.29546	0.29922	17.734
6	85.91269	59.78219	-0.29546	2.7202	16.952
7	87.36286	59.72483	-0.29546	0.18066	16.731
8	87.50962	58.82734	-0.29546	0.12210	14.925
9	87.89653	57.52027	-0.29546	0.66520	12.282
10	94.98145	57.19077	-0.29546	13.508	11.106
11	101.80604	52.08427	-0.29546	0.11115	0.54843
12	101.82779	58.02577	-0.29546	0.093376	9.5824
13	101.92566	58.89788	-0.29546	0.093376	7.8402
14	102.02354	59.77000	-0.29546	0.093376	6.0979
15	102.12141	60.64211	-0.29546	0.093376	4.3556
16	102.21929	61.51423	-0.29546	0.093376	2.6134
17	102.31716	62.38634	-0.29546	0.093376	0.87113

Load 10 : Enabling Works 6.2

(Edge 19 optimal)

1	61.15982	72.00771	-0.29653	9.8648	29.566
2	67.42842	62.74639	-0.29653	2.6850	11.122
3	69.11334	63.12129	-0.29653	0.68088	11.893
4	72.06678	62.85738	-0.29653	5.2215	12.389
5	74.69732	56.89668	-0.29653	0.10120	0.49514
6	74.74200	68.79252	-0.29653	0.055268	0.49027
7	50.85415	84.06772	-0.29653	0.069227	0.43996
8	50.93103	85.31834	-0.29653	0.071589	2.9447

9 53.61552 85.23107 -0.29653 5.2971 3.1193

Load 11 : B1 - Excavation A

(Edge 2 optimal)

1	87.39194	68.73367	177.17	0.10142	1.1364
2	103.83344	84.80675	177.17	0.055700	1.9140
3	103.68331	82.89506	177.17	0.055700	5.7420
4	103.53318	80.98336	177.17	0.055700	9.5700
5	103.38306	79.07167	177.17	0.055700	13.398
6	103.23293	77.15998	177.17	0.055700	17.226
7	103.08281	75.24828	177.17	0.055700	21.054
8	95.91658	74.25337	177.17	14.161	23.041
9	88.47350	74.70897	177.17	0.75176	22.122
10	88.02852	76.02311	177.17	0.26668	19.490
11	87.90322	76.87045	177.17	0.067159	17.794

Load 12 : B1 - Excavation B

(Edge 1 optimal)

1	85.06497	70.33633	-88.104	2.2166	4.9279
2	85.00008	68.74834	-88.104	0.95330	4.6931
3	83.57932	68.17617	-88.104	0.096374	7.4833
4	83.62244	67.96498	-88.104	0.32865	7.5713
5	83.68998	66.16201	-88.104	3.2798	7.7205
6	83.87587	63.52106	-88.104	2.0115	8.1131
7	85.22039	62.50809	-88.104	0.10230	10.812
8	87.58384	62.48399	-88.104	0.10230	15.542
9	89.94729	62.45989	-88.104	0.10230	20.272
10	91.03518	59.71864	-88.104	5.4492	22.471
11	90.82344	55.48598	-88.104	2.9975	22.346
12	90.75261	53.35052	-88.104	1.2664	22.210
13	90.69368	52.61016	-88.104	0.20961	22.094
14	83.66789	52.14714	-88.104	0.25093	8.0357
15	83.68881	51.55018	-88.104	0.94373	8.0793
16	80.18139	50.77231	-88.104	0.37902	1.0626
17	84.24735	50.83072	-88.104	0.53136	6.9221
18	83.14684	50.28438	-88.104	0.48790	4.4051
19	86.67559	50.57043	-88.104	0.14965	2.0447
20	86.78349	50.43774	-88.104	0.12274	1.8215
21	86.49640	85.73592	-88.104	0.078971	1.2077
22	87.08916	84.37478	-88.104	2.6810	2.3026
23	85.96652	81.74569	-88.104	2.5000	4.2847
24	85.92278	79.65061	-88.104	1.6850	4.1586
25	84.55953	78.04717	-88.104	1.4299	6.7276
26	83.78941	74.35473	-88.104	5.9000	7.8946

Load 13 : B1 - Excavation C

(Edge 11 optimal)

1	78.82849	75.66627	-88.104	2.9500	2.1143
2	69.03338	76.05752	-88.104	4.3800	3.0393
3	73.72851	72.54590	-88.104	2.9499	12.156
4	68.67376	69.98410	-88.104	1.8365	1.8598

5	68.29690	68.68740	-88.104	0.73057	1.0083
Load 14 : B1 - Excavation D					
(Edge 1 optimal)					
1	74.73591	62.53858	-0.39631	0.10120	10.789
2	74.86064	62.29262	-0.39631	0.12960	11.289
3	77.30333	59.25235	-0.39631	4.7476	17.533
4	79.74959	62.36051	-0.39631	0.10180	11.477
Load 15 : B1 - Excavation F					
(Edge 6 optimal)					
1	61.93685	49.51710	91.879	0.12784	22.734
2	61.69386	49.77453	91.879	0.40269	23.203
3	62.32646	50.24511	91.879	0.47059	25.099
4	62.28932	53.35711	91.879	5.7525	25.191
5	62.22657	56.48547	91.879	0.49508	25.066
6	62.18906	62.12735	91.879	10.777	24.993
7	59.68631	67.54554	91.879	0.21762	19.986
8	68.73979	68.12583	91.879	0.34542	1.8509
9	69.22373	68.68307	91.879	0.73672	0.84660
10	55.79293	68.62586	91.879	2.1971	12.196
Load 16 : B1 - Excavation G					
(Edge 3 optimal)					
1	53.96705	92.25787	0.0	7.1827	10.934
2	61.88130	90.26159	0.0	8.5750	6.9418
3	66.14175	72.93333	0.0	0.054100	9.2383
4	66.80015	81.00975	0.0	1.2627	25.398
5	67.46278	72.83949	0.0	0.062567	9.0641
6	67.52535	72.01517	0.0	0.062567	7.4161
7	67.58792	71.19084	0.0	0.062567	5.7681
8	67.65048	70.36651	0.0	0.062567	4.1200
9	67.71305	69.54219	0.0	0.062567	2.4720
10	67.77562	68.71786	0.0	0.062567	0.82401
11	68.18025	85.96125	0.0	1.4975	15.482
12	69.70440	86.11146	0.0	1.5508	15.681
13	70.55220	85.03087	0.0	0.14480	17.846
14	74.17385	83.99935	0.0	7.0985	19.926
15	77.77190	74.89339	0.0	0.097600	1.4758
16	79.44850	85.56851	0.0	3.4508	16.812
17	82.46020	86.33719	0.0	2.5726	15.288
18	84.83780	86.52759	0.0	2.1076	7.1372
19	85.93720	83.68577	0.0	0.091200	1.3808
20	87.47320	87.93869	0.0	3.1632	4.3614
Load 17 : B1 - Excavation H					
(Edge 1 optimal)					
1	51.81970	78.19297	-180.00	2.8880	17.195
2	50.03695	77.37189	-180.00	0.67750	15.671
3	66.96080	68.10222	-180.00	1.6922	0.41557
4	66.14175	82.17160	-180.00	0.054100	9.2382
5	64.01920	77.29391	-180.00	4.1910	18.994

6 61.88745 77.80903 -180.00 0.072500 17.963
 7 57.55745 78.28782 -180.00 8.5875 17.006

Load 18 : Lift Pit - Excavation

(Edge 2 optimal)

1 76.12170 69.56345 1.8951 13.000 3.1699

Displacement Data

Show Ref.	Type	Name	Direction	Line/Line for extrusion						No. of intrvls	No. of intrvls	
			of	First point			Second point			across	Extrusion	along
Calculate Detailed			Extrusion	X	Y	Z(level)	X	Y	Z(level)	extrusion/line	Depth	extrusion
results												
				[m]	[m]	[m]	[m]	[m]	[m]		[m]	
1	Line	Tottenham	N/A	102.36610	62.82240	27.00000	127.36600	62.82200	27.00000	25	N/A	N/A
Yes	Yes	Court Road										
2	Line	Howland	N/A	73.35500	51.30090	27.00000	73.35500	36.30100	27.00000	15	N/A	N/A
Yes	Yes	Street										
3	Line	Whitfield	N/A	50.82040	76.36570	27.00000	40.82040	76.36570	27.00000	10	N/A	N/A
Yes	Yes	Street										
4	Line	Qube	N/A	94.43210	85.75880	24.36000	94.43200	137.75900	24.36000	52	N/A	N/A
Yes	Yes											
5	Grid	Raft	Global X	0.00000	0.00000	21.61000	N/A	147.59400	21.61000	60	153.90900	60
Yes	Yes	Formation										

Warnings

(1)The displacement location of Grid 5 at (153.909, 0.000, 21.610)m lies wide of all soil zones. The first soil profile will be used. There are more displacement locations for which this warning applies. Only one is detailed here.

RESULTS FOR GRIDS

Analysis: Boussinesq
 Global Poisson's ratio: 0.50
 Horizontal rigid boundary level: -10.00 [m OD]

The maximum displacement difference between the Boussinesq method (-9.0306mm) and the Mindlin method (-4.1851mm) occurs at point X = 50.82040m, Y = 76.36570m, level = 27.000mOD, and is 4.8456mm.

Name	Location	Displacement	Stresses
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	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m ²]	Sum Princ [kN/m ²]	Vert Strain [-]
Enabling Works 1.1	83.93674	77.19338	24.92000	-11.369	24.815	17.278	37.807	940.90E-6
Enabling Works 1.2	63.82263	52.65957	24.92000	-8.8848	24.815	18.580	51.543	856.27E-6
Enabling Works 2	81.91347	53.88372	24.92000	-10.759	24.815	11.022	25.567	579.45E-6
Enabling Works 3	53.57175	73.19850	24.92000	-11.767	24.815	0.57984	-0.39031	55.277E-6
Enabling Works 4	57.97182	57.03782	24.92000	-14.119	24.815	-11.452	-36.493	-460.25E-6
Enabling Works 5.1	95.37095	74.24229	27.00000	-28.307	26.886	-52.000	-154.24	-0.0022537
Enabling Works 5.2	77.25530	62.82244	27.00000	-25.555	26.886	-51.998	-151.34	-0.0022950
Enabling Works 5.3	57.68470	91.26023	27.00000	-24.230	26.886	-51.998	-152.37	-0.0022802
Enabling Works 6.1	90.34978	58.88939	24.92000	-16.892	24.815	-19.395	-67.326	-700.63E-6
Enabling Works 6.2	63.18110	70.26044	24.92000	-16.524	24.815	-18.429	-56.557	-771.64E-6
B1 - Excavation A	95.48867	74.34890	21.61000	-18.860	21.538	-153.70	-404.29	-714.85E-6
B1 - Excavation B	88.19409	62.78266	21.61000	-15.534	21.538	-30.527	-143.92	658.41E-6
B1 - Excavation C	72.85398	73.46545	21.61000	-13.771	21.538	-110.41	-338.02	85.241E-6
B1 - Excavation D	77.25622	59.39440	21.61000	-15.745	21.538	-133.06	-367.14	-402.89E-6
B1 - Excavation F	61.85746	59.15857	21.61000	-14.473	21.538	-123.68	-355.08	-200.75E-6
B1 - Excavation G	70.40714	86.59129	21.61000	-13.221	21.538	-111.57	-338.13	42.921E-6
B1 - Excavation H	58.12595	77.94039	21.61000	-14.729	21.538	-123.17	-358.00	-144.86E-6
Lift Pit - Excavation	76.12170	69.56345	21.61000	-14.996	21.538	-121.07	-353.81	-118.33E-6
Tottenham Court Road	102.36610	62.82240	27.00000	-12.570	26.886	-15.741	-53.438	-585.79E-6
	103.36610	62.82238	27.00000	-6.1332	26.886	-0.010744	-3.1470	44.036E-6
	104.36609	62.82237	27.00000	-3.7028	26.886	-0.0012564	-1.3864	19.698E-6
	105.36609	62.82235	27.00000	-2.2435	26.886	-356.55E-6	-0.84202	11.998E-6
	106.36608	62.82234	27.00000	-1.2581	26.886	-146.00E-6	-0.58267	8.3113E-6
	107.36608	62.82232	27.00000	-0.55586	26.886	-72.982E-6	-0.43288	6.1778E-6
	108.36608	62.82230	27.00000	-0.041446	26.886	-41.336E-6	-0.33636	4.8016E-6
	109.36607	62.82229	27.00000	0.34082	26.886	-25.496E-6	-0.26959	3.8492E-6
	110.36607	62.82227	27.00000	0.62650	26.886	-16.727E-6	-0.22108	3.1568E-6

	111.36606	62.82226	27.00000	0.83979	26.886	-11.498E-6	-0.18451	2.6349E-6
	112.36606	62.82224	27.00000	0.99784	26.886	-8.1965E-6	-0.15617	2.2302E-6
	113.36606	62.82222	27.00000	1.1132	26.886	-6.0164E-6	-0.13371	1.9096E-6
	114.36605	62.82221	27.00000	1.1952	26.886	-4.5232E-6	-0.11559	1.6509E-6
	115.36605	62.82219	27.00000	1.2511	26.886	-3.4693E-6	-0.10075	1.4390E-6
	116.36604	62.82218	27.00000	1.2865	26.886	-2.7064E-6	-0.088446	1.2633E-6
	117.36604	62.82216	27.00000	1.3056	26.886	-2.1422E-6	-0.078135	1.1160E-6
	118.36604	62.82214	27.00000	1.3119	26.886	-1.7173E-6	-0.069412	0.0
	119.36603	62.82213	27.00000	1.3081	26.886	-1.3920E-6	-0.061972	0.0
	120.36603	62.82211	27.00000	1.2964	26.886	-1.1396E-6	-0.055581	0.0
	121.36602	62.82210	27.00000	1.2787	26.886	0.0	-0.050056	0.0
	122.36602	62.82208	27.00000	1.2562	26.886	0.0	-0.045251	0.0
	123.36602	62.82206	27.00000	1.2301	26.886	0.0	-0.041050	0.0
	124.36601	62.82205	27.00000	1.2014	26.886	0.0	-0.037360	0.0
	125.36601	62.82203	27.00000	1.1708	26.886	0.0	-0.034104	0.0
	126.36600	62.82202	27.00000	1.1389	26.886	0.0	-0.031220	0.0
	127.36600	62.82200	27.00000	1.1062	26.886	0.0	-0.028655	0.0
Howland Street	73.35500	51.30090	27.00000	-7.0167	26.886	-29.452E-6	-0.20053	2.8622E-6
	73.35500	50.30091	27.00000	-5.3756	26.886	-17.274E-6	-0.15717	2.2439E-6
	73.35500	49.30091	27.00000	-2.8066	26.886	-10.761E-6	-0.12674	1.8097E-6
	73.35500	48.30092	27.00000	-1.4574	26.886	-7.0411E-6	-0.10459	1.4935E-6
	73.35500	47.30093	27.00000	-0.59092	26.886	-4.7995E-6	-0.087958	1.2561E-6
	73.35500	46.30093	27.00000	0.019298	26.886	-3.3869E-6	-0.075137	1.0731E-6
	73.35500	45.30094	27.00000	0.46444	26.886	-2.4620E-6	-0.065027	0.0
	73.35500	44.30095	27.00000	0.79400	26.886	-1.8362E-6	-0.056900	0.0
	73.35500	43.30095	27.00000	1.0388	26.886	-1.4003E-6	-0.050253	0.0
	73.35500	42.30096	27.00000	1.2195	26.886	-1.0888E-6	-0.044737	0.0
	73.35500	41.30097	27.00000	1.3511	26.886	0.0	-0.040101	0.0
	73.35500	40.30097	27.00000	1.4442	26.886	0.0	-0.036160	0.0
	73.35500	39.30098	27.00000	1.5073	26.886	0.0	-0.032777	0.0
	73.35500	38.30099	27.00000	1.5466	26.886	0.0	-0.029847	0.0
	73.35500	37.30099	27.00000	1.5671	26.886	0.0	-0.027291	0.0
	73.35500	36.30100	27.00000	1.5727	26.886	0.0	-0.025044	0.0
Whitfield Street	50.82040	76.36570	27.00000	-9.0306	26.886	-5.6790E-6	-0.11000	1.5710E-6
	49.82040	76.36570	27.00000	-6.5715	26.886	-5.0391E-6	-0.10226	1.4604E-6
	48.82040	76.36570	27.00000	-3.2678	26.886	-4.4118E-6	-0.094529	1.3500E-6
	47.82040	76.36570	27.00000	-1.8292	26.886	-3.8175E-6	-0.086961	1.2420E-6
	46.82040	76.36570	27.00000	-0.90285	26.886	-3.2713E-6	-0.079688	1.1381E-6
	45.82040	76.36570	27.00000	-0.25278	26.886	-2.7819E-6	-0.072807	1.0399E-6
	44.82040	76.36570	27.00000	0.22079	26.886	-2.3527E-6	-0.066380	0.0
	43.82040	76.36570	27.00000	0.57190	26.886	-1.9823E-6	-0.060443	0.0
	42.82040	76.36570	27.00000	0.83381	26.886	-1.6668E-6	-0.055003	0.0
	41.82040	76.36570	27.00000	1.0287	26.886	-1.4005E-6	-0.050052	0.0
	40.82040	76.36570	27.00000	1.1723	26.886	-1.1772E-6	-0.045567	0.0
Qube	94.43210	85.75880	24.36000	-11.092	24.244	-25.168	-58.790	-614.79E-6
	94.43210	86.75880	24.36000	-6.7480	24.244	-14.251	-42.827	-284.51E-6
	94.43210	87.75881	24.36000	-4.4249	24.244	-7.2329	-30.272	-87.505E-6

94.43209	88.75881	24.36000	-2.8433	24.244	-3.6717	-21.600	-2.8680E-6
94.43209	89.75882	24.36000	-1.7206	24.244	-1.9604	-15.816	27.026E-6
94.43209	90.75882	24.36000	-0.90072	24.244	-1.1123	-11.919	34.969E-6
94.43209	91.75882	24.36000	-0.28894	24.244	-0.66781	-9.2253	34.789E-6
94.43209	92.75883	24.36000	0.17436	24.244	-0.42115	-7.3105	31.891E-6
94.43208	93.75883	24.36000	0.52820	24.244	-0.27697	-5.9127	28.339E-6
94.43208	94.75883	24.36000	0.79927	24.244	-0.18878	-4.8675	24.899E-6
94.43208	95.75884	24.36000	1.0065	24.244	-0.13270	-4.0691	21.820E-6
94.43208	96.75884	24.36000	1.1639	24.244	-0.095793	-3.4475	19.152E-6
94.43208	97.75885	24.36000	1.2819	24.244	-0.070783	-2.9553	16.870E-6
94.43207	98.75885	24.36000	1.3684	24.244	-0.053388	-2.5596	14.928E-6
94.43207	99.75885	24.36000	1.4298	24.244	-0.041008	-2.2372	13.274E-6
94.43207	100.75886	24.36000	1.4708	24.244	-0.032015	-1.9712	11.861E-6
94.43207	101.75886	24.36000	1.4955	24.244	-0.025362	-1.7494	10.648E-6
94.43207	102.75887	24.36000	1.5068	24.244	-0.020358	-1.5626	9.6031E-6
94.43207	103.75887	24.36000	1.5075	24.244	-0.016537	-1.4038	8.6971E-6
94.43206	104.75887	24.36000	1.4995	24.244	-0.013579	-1.2676	7.9078E-6
94.43206	105.75888	24.36000	1.4846	24.244	-0.011260	-1.1500	7.2165E-6
94.43206	106.75888	24.36000	1.4642	24.244	-0.0094208	-1.0477	6.6081E-6
94.43206	107.75888	24.36000	1.4394	24.244	-0.0079470	-0.95818	6.0700E-6
94.43206	108.75889	24.36000	1.4112	24.244	-0.0067539	-0.87932	5.5920E-6
94.43205	109.75889	24.36000	1.3805	24.244	-0.0057794	-0.80949	5.1654E-6
94.43205	110.75890	24.36000	1.3478	24.244	-0.0049767	-0.74736	4.7833E-6
94.43205	111.75890	24.36000	1.3137	24.244	-0.0043101	-0.69181	4.4397E-6
94.43205	112.75890	24.36000	1.2787	24.244	-0.0037527	-0.64195	4.1295E-6
94.43205	113.75891	24.36000	1.2432	24.244	-0.0032833	-0.59700	3.8487E-6
94.43204	114.75891	24.36000	1.2075	24.244	-0.0028856	-0.55635	3.5936E-6
94.43204	115.75892	24.36000	1.1717	24.244	-0.0025466	-0.51946	3.3612E-6
94.43204	116.75892	24.36000	1.1362	24.244	-0.0022560	-0.48588	3.1489E-6
94.43204	117.75892	24.36000	1.1011	24.244	-0.0020058	-0.45522	2.9545E-6
94.43204	118.75893	24.36000	1.0665	24.244	-0.0017892	-0.42715	2.7761E-6
94.43203	119.75893	24.36000	1.0326	24.244	-0.0016009	-0.40139	2.6119E-6
94.43203	120.75893	24.36000	0.99933	24.244	-0.0014366	-0.37771	2.4606E-6
94.43203	121.75894	24.36000	0.96688	24.244	-0.0012926	-0.35587	2.3208E-6
94.43203	122.75894	24.36000	0.93526	24.244	-0.0011659	-0.33571	2.1914E-6
94.43203	123.75895	24.36000	0.90450	24.244	-0.0010541	-0.31705	2.0715E-6
94.43203	124.75895	24.36000	0.87463	24.244	-955.22E-6	-0.29975	1.9601E-6
94.43202	125.75895	24.36000	0.84565	24.244	-867.40E-6	-0.28369	1.8566E-6
94.43202	126.75896	24.36000	0.81759	24.244	-789.20E-6	-0.26876	1.7602E-6
94.43202	127.75896	24.36000	0.79042	24.244	-719.40E-6	-0.25486	1.6703E-6
94.43202	128.75897	24.36000	0.76416	24.244	-656.94E-6	-0.24189	1.5863E-6
94.43202	129.75897	24.36000	0.73878	24.244	-600.92E-6	-0.22978	1.5078E-6
94.43201	130.75897	24.36000	0.71427	24.244	-550.56E-6	-0.21846	1.4344E-6
94.43201	131.75898	24.36000	0.69062	24.244	-505.20E-6	-0.20786	1.3656E-6
94.43201	132.75898	24.36000	0.66780	24.244	-464.26E-6	-0.19793	1.3010E-6
94.43201	133.75898	24.36000	0.64580	24.244	-427.23E-6	-0.18862	1.2404E-6
94.43201	134.75899	24.36000	0.62459	24.244	-393.69E-6	-0.17987	1.1834E-6
94.43200	135.75899	24.36000	0.60415	24.244	-363.25E-6	-0.17165	1.1298E-6

	94.43200	136.75900	24.36000	0.58446	24.244	-335.59E-6	-0.16391	1.0793E-6
	94.43200	137.75900	24.36000	0.56550	24.244	-310.40E-6	-0.15663	1.0318E-6
Raft Formation	0.00000	0.00000	21.61000	0.19481	21.538	-136.55E-6	-0.073087	0.0
	2.56515	0.00000	21.61000	0.20458	21.538	-148.29E-6	-0.076889	0.0
	5.13030	0.00000	21.61000	0.21480	21.538	-161.05E-6	-0.080892	1.0116E-6
	7.69545	0.00000	21.61000	0.22547	21.538	-174.93E-6	-0.085102	1.0640E-6
	10.26060	0.00000	21.61000	0.23658	21.538	-189.99E-6	-0.089523	1.1190E-6
	12.82575	0.00000	21.61000	0.24813	21.538	-206.33E-6	-0.094161	1.1768E-6
	15.39090	0.00000	21.61000	0.26010	21.538	-224.03E-6	-0.099018	1.2372E-6
	17.95605	0.00000	21.61000	0.27247	21.538	-243.18E-6	-0.10410	1.3004E-6
	20.52120	0.00000	21.61000	0.28520	21.538	-263.88E-6	-0.10940	1.3663E-6
	23.08635	0.00000	21.61000	0.29827	21.538	-286.20E-6	-0.11491	1.4348E-6
	25.65150	0.00000	21.61000	0.31163	21.538	-310.22E-6	-0.12064	1.5060E-6
	28.21665	0.00000	21.61000	0.32522	21.538	-336.04E-6	-0.12658	1.5797E-6
	30.78180	0.00000	21.61000	0.33898	21.538	-363.71E-6	-0.13271	1.6558E-6
	33.34695	0.00000	21.61000	0.35283	21.538	-393.29E-6	-0.13903	1.7341E-6
	35.91210	0.00000	21.61000	0.36668	21.538	-424.83E-6	-0.14550	1.8144E-6
	38.47725	0.00000	21.61000	0.38045	21.538	-458.33E-6	-0.15212	1.8964E-6
	41.04240	0.00000	21.61000	0.39404	21.538	-493.79E-6	-0.15886	1.9798E-6
	43.60755	0.00000	21.61000	0.40733	21.538	-531.16E-6	-0.16568	2.0642E-6
	46.17270	0.00000	21.61000	0.42022	21.538	-570.36E-6	-0.17254	2.1491E-6
	48.73785	0.00000	21.61000	0.43258	21.538	-611.23E-6	-0.17942	2.2341E-6
	51.30300	0.00000	21.61000	0.44430	21.538	-653.58E-6	-0.18626	2.3185E-6
	53.86815	0.00000	21.61000	0.45526	21.538	-697.13E-6	-0.19301	2.4018E-6
	56.43330	0.00000	21.61000	0.46535	21.538	-741.53E-6	-0.19963	2.4833E-6
	58.99845	0.00000	21.61000	0.47447	21.538	-786.33E-6	-0.20604	2.5623E-6
	61.56360	0.00000	21.61000	0.48250	21.538	-831.02E-6	-0.21218	2.6379E-6
	64.12875	0.00000	21.61000	0.48937	21.538	-875.00E-6	-0.21800	2.7094E-6
	66.69390	0.00000	21.61000	0.49499	21.538	-917.61E-6	-0.22341	2.7759E-6
	69.25905	0.00000	21.61000	0.49930	21.538	-958.12E-6	-0.22835	2.8366E-6
	71.82420	0.00000	21.61000	0.50225	21.538	-995.79E-6	-0.23276	2.8905E-6
	74.38935	0.00000	21.61000	0.50381	21.538	-0.0010299	-0.23655	2.9370E-6
	76.95450	0.00000	21.61000	0.50397	21.538	-0.0010596	-0.23968	2.9752E-6
	79.51965	0.00000	21.61000	0.50271	21.538	-0.0010843	-0.24208	3.0045E-6
	82.08480	0.00000	21.61000	0.50006	21.538	-0.0011034	-0.24371	3.0242E-6
	84.64995	0.00000	21.61000	0.49606	21.538	-0.0011163	-0.24452	3.0340E-6
	87.21510	0.00000	21.61000	0.49074	21.538	-0.0011229	-0.24450	3.0335E-6
	89.78025	0.00000	21.61000	0.48418	21.538	-0.0011227	-0.24363	3.0226E-6
	92.34540	0.00000	21.61000	0.47645	21.538	-0.0011159	-0.24192	3.0013E-6
	94.91055	0.00000	21.61000	0.46764	21.538	-0.0011025	-0.23939	2.9699E-6
	97.47570	0.00000	21.61000	0.45785	21.538	-0.0010828	-0.23606	2.9288E-6
	100.04085	0.00000	21.61000	0.44717	21.538	-0.0010573	-0.23199	2.8786E-6
	102.60600	0.00000	21.61000	0.43572	21.538	-0.0010265	-0.22723	2.8199E-6
	105.17115	0.00000	21.61000	0.42362	21.538	-991.09E-6	-0.22186	2.7536E-6
	107.73630	0.00000	21.61000	0.41097	21.538	-951.79E-6	-0.21595	2.6807E-6
	110.30145	0.00000	21.61000	0.39789	21.538	-909.38E-6	-0.20957	2.6021E-6
	112.86660	0.00000	21.61000	0.38449	21.538	-864.65E-6	-0.20282	2.5189E-6
	115.43175	0.00000	21.61000	0.37087	21.538	-818.36E-6	-0.19578	2.4320E-6

117.99690	0.00000	21.61000	0.35714	21.538	-771.24E-6	-0.18852	2.3425E-6
120.56205	0.00000	21.61000	0.34339	21.538	-723.96E-6	-0.18113	2.2513E-6
123.12720	0.00000	21.61000	0.32969	21.538	-677.09E-6	-0.17367	2.1593E-6
125.69235	0.00000	21.61000	0.31614	21.538	-631.15E-6	-0.16622	2.0672E-6
128.25750	0.00000	21.61000	0.30278	21.538	-586.56E-6	-0.15881	1.9758E-6
130.82265	0.00000	21.61000	0.28968	21.538	-543.64E-6	-0.15152	1.8856E-6
133.38780	0.00000	21.61000	0.27690	21.538	-502.64E-6	-0.14437	1.7973E-6
135.95295	0.00000	21.61000	0.26445	21.538	-463.75E-6	-0.13741	1.7111E-6
138.51810	0.00000	21.61000	0.25239	21.538	-427.08E-6	-0.13065	1.6275E-6
141.08325	0.00000	21.61000	0.24073	21.538	-392.69E-6	-0.12413	1.5467E-6
143.64840	0.00000	21.61000	0.22949	21.538	-360.57E-6	-0.11784	1.4689E-6
146.21355	0.00000	21.61000	0.21869	21.538	-330.72E-6	-0.11182	1.3942E-6
148.77870	0.00000	21.61000	0.20832	21.538	-303.06E-6	-0.10606	1.3228E-6
151.34385	0.00000	21.61000	0.19839	21.538	-277.51E-6	-0.10056	1.2546E-6
153.90900	0.00000	21.61000	0.18890	21.538	-253.98E-6	-0.095322	1.1896E-6 !
0.00000	2.45990	21.61000	0.20400	21.538	-147.68E-6	-0.076649	0.0
2.56515	2.45990	21.61000	0.21456	21.538	-160.78E-6	-0.080767	1.0100E-6
5.13030	2.45990	21.61000	0.22563	21.538	-175.07E-6	-0.085113	1.0641E-6
7.69545	2.45990	21.61000	0.23722	21.538	-190.65E-6	-0.089696	1.1212E-6
10.26060	2.45990	21.61000	0.24932	21.538	-207.63E-6	-0.094524	1.1813E-6
12.82575	2.45990	21.61000	0.26193	21.538	-226.11E-6	-0.099601	1.2445E-6
15.39090	2.45990	21.61000	0.27503	21.538	-246.21E-6	-0.10493	1.3108E-6
17.95605	2.45990	21.61000	0.28861	21.538	-268.03E-6	-0.11053	1.3803E-6
20.52120	2.45990	21.61000	0.30263	21.538	-291.71E-6	-0.11638	1.4531E-6
23.08635	2.45990	21.61000	0.31705	21.538	-317.34E-6	-0.12249	1.5290E-6
25.65150	2.45990	21.61000	0.33183	21.538	-345.06E-6	-0.12886	1.6081E-6
28.21665	2.45990	21.61000	0.34690	21.538	-374.96E-6	-0.13548	1.6903E-6
30.78180	2.45990	21.61000	0.36220	21.538	-407.16E-6	-0.14234	1.7753E-6
33.34695	2.45990	21.61000	0.37764	21.538	-441.73E-6	-0.14943	1.8632E-6
35.91210	2.45990	21.61000	0.39312	21.538	-478.76E-6	-0.15672	1.9535E-6
38.47725	2.45990	21.61000	0.40854	21.538	-518.30E-6	-0.16420	2.0461E-6
41.04240	2.45990	21.61000	0.42379	21.538	-560.37E-6	-0.17183	2.1405E-6
43.60755	2.45990	21.61000	0.43874	21.538	-604.95E-6	-0.17958	2.2364E-6
46.17270	2.45990	21.61000	0.45325	21.538	-651.97E-6	-0.18742	2.3332E-6
48.73785	2.45990	21.61000	0.46720	21.538	-701.29E-6	-0.19530	2.4304E-6
51.30300	2.45990	21.61000	0.48044	21.538	-752.69E-6	-0.20316	2.5273E-6
53.86815	2.45990	21.61000	0.49284	21.538	-805.88E-6	-0.21095	2.6233E-6
56.43330	2.45990	21.61000	0.50427	21.538	-860.42E-6	-0.21860	2.7176E-6
58.99845	2.45990	21.61000	0.51460	21.538	-915.81E-6	-0.22605	2.8092E-6
61.56360	2.45990	21.61000	0.52371	21.538	-971.38E-6	-0.23322	2.8973E-6
64.12875	2.45990	21.61000	0.53150	21.538	-0.0010264	-0.24003	2.9808E-6
66.69390	2.45990	21.61000	0.53788	21.538	-0.0010800	-0.24639	3.0589E-6
69.25905	2.45990	21.61000	0.54277	21.538	-0.0011312	-0.25223	3.1304E-6
71.82420	2.45990	21.61000	0.54612	21.538	-0.0011790	-0.25745	3.1942E-6
74.38935	2.45990	21.61000	0.54788	21.538	-0.0012224	-0.26197	3.2495E-6
76.95450	2.45990	21.61000	0.54804	21.538	-0.0012605	-0.26571	3.2951E-6
79.51965	2.45990	21.61000	0.54660	21.538	-0.0012923	-0.26861	3.3303E-6
82.08480	2.45990	21.61000	0.54358	21.538	-0.0013170	-0.27059	3.3543E-6

84.64995	2.45990	21.61000	0.53901	21.538	-0.0013339	-0.27161	3.3666E-6
87.21510	2.45990	21.61000	0.53296	21.538	-0.0013425	-0.27164	3.3666E-6
89.78025	2.45990	21.61000	0.52550	21.538	-0.0013426	-0.27067	3.3544E-6
92.34540	2.45990	21.61000	0.51672	21.538	-0.0013340	-0.26869	3.3298E-6
94.91055	2.45990	21.61000	0.50672	21.538	-0.0013171	-0.26573	3.2932E-6
97.47570	2.45990	21.61000	0.49562	21.538	-0.0012921	-0.26182	3.2450E-6
100.04085	2.45990	21.61000	0.48354	21.538	-0.0012597	-0.25704	3.1860E-6
102.60600	2.45990	21.61000	0.47060	21.538	-0.0012206	-0.25145	3.1172E-6
105.17115	2.45990	21.61000	0.45694	21.538	-0.0011757	-0.24513	3.0394E-6
107.73630	2.45990	21.61000	0.44269	21.538	-0.0011261	-0.23819	2.9540E-6
110.30145	2.45990	21.61000	0.42799	21.538	-0.0010727	-0.23072	2.8620E-6
112.86660	2.45990	21.61000	0.41295	21.538	-0.0010165	-0.22283	2.7649E-6
115.43175	2.45990	21.61000	0.39770	21.538	-958.71E-6	-0.21462	2.6638E-6
117.99690	2.45990	21.61000	0.38236	21.538	-900.12E-6	-0.20619	2.5600E-6
120.56205	2.45990	21.61000	0.36703	21.538	-841.63E-6	-0.19764	2.4545E-6
123.12720	2.45990	21.61000	0.35180	21.538	-783.96E-6	-0.18904	2.3485E-6
125.69235	2.45990	21.61000	0.33676	21.538	-727.75E-6	-0.18047	2.2429E-6
128.25750	2.45990	21.61000	0.32198	21.538	-673.48E-6	-0.17200	2.1384E-6
130.82265	2.45990	21.61000	0.30752	21.538	-621.56E-6	-0.16368	2.0357E-6
133.38780	2.45990	21.61000	0.29344	21.538	-572.26E-6	-0.15557	1.9355E-6
135.95295	2.45990	21.61000	0.27978	21.538	-525.76E-6	-0.14770	1.8382E-6
138.51810	2.45990	21.61000	0.26657	21.538	-482.17E-6	-0.14009	1.7441E-6
141.08325	2.45990	21.61000	0.25383	21.538	-441.51E-6	-0.13277	1.6536E-6
143.64840	2.45990	21.61000	0.24158	21.538	-403.78E-6	-0.12575	1.5668E-6
146.21355	2.45990	21.61000	0.22984	21.538	-368.88E-6	-0.11905	1.4837E-6
148.77870	2.45990	21.61000	0.21859	21.538	-336.73E-6	-0.11266	1.4046E-6
151.34385	2.45990	21.61000	0.20786	21.538	-307.19E-6	-0.10659	1.3293E-6
153.90900	2.45990	21.61000	0.19762	21.538	-280.13E-6	-0.10083	1.2578E-6 !
0.00000	4.91980	21.61000	0.21357	21.538	-159.77E-6	-0.080388	1.0053E-6
2.56515	4.91980	21.61000	0.22499	21.538	-174.38E-6	-0.084849	1.0608E-6
5.13030	4.91980	21.61000	0.23698	21.538	-190.38E-6	-0.089570	1.1196E-6
7.69545	4.91980	21.61000	0.24956	21.538	-207.89E-6	-0.094561	1.1818E-6
10.26060	4.91980	21.61000	0.26274	21.538	-227.04E-6	-0.099834	1.2474E-6
12.82575	4.91980	21.61000	0.27650	21.538	-247.95E-6	-0.10540	1.3165E-6
15.39090	4.91980	21.61000	0.29085	21.538	-270.79E-6	-0.11126	1.3894E-6
17.95605	4.91980	21.61000	0.30575	21.538	-295.68E-6	-0.11742	1.4660E-6
20.52120	4.91980	21.61000	0.32118	21.538	-322.80E-6	-0.12389	1.5464E-6
23.08635	4.91980	21.61000	0.33711	21.538	-352.28E-6	-0.13068	1.6306E-6
25.65150	4.91980	21.61000	0.35346	21.538	-384.28E-6	-0.13777	1.7186E-6
28.21665	4.91980	21.61000	0.37020	21.538	-418.97E-6	-0.14516	1.8103E-6
30.78180	4.91980	21.61000	0.38722	21.538	-456.48E-6	-0.15284	1.9055E-6
33.34695	4.91980	21.61000	0.40444	21.538	-496.95E-6	-0.16081	2.0042E-6
35.91210	4.91980	21.61000	0.42175	21.538	-540.51E-6	-0.16903	2.1061E-6
38.47725	4.91980	21.61000	0.43904	21.538	-587.27E-6	-0.17750	2.2108E-6
41.04240	4.91980	21.61000	0.45616	21.538	-637.29E-6	-0.18617	2.3179E-6
43.60755	4.91980	21.61000	0.47298	21.538	-690.60E-6	-0.19500	2.4271E-6
46.17270	4.91980	21.61000	0.48934	21.538	-747.17E-6	-0.20397	2.5378E-6
48.73785	4.91980	21.61000	0.50509	21.538	-806.88E-6	-0.21301	2.6493E-6

51.30300	4.91980	21.61000	0.52006	21.538	-869.53E-6	-0.22208	2.7609E-6
53.86815	4.91980	21.61000	0.53411	21.538	-934.78E-6	-0.23109	2.8719E-6
56.43330	4.91980	21.61000	0.54706	21.538	-0.0010022	-0.23998	2.9812E-6
58.99845	4.91980	21.61000	0.55878	21.538	-0.0010710	-0.24867	3.0879E-6
61.56360	4.91980	21.61000	0.56913	21.538	-0.0011406	-0.25707	3.1909E-6
64.12875	4.91980	21.61000	0.57798	21.538	-0.0012099	-0.26508	3.2891E-6
66.69390	4.91980	21.61000	0.58522	21.538	-0.0012777	-0.27260	3.3811E-6
69.25905	4.91980	21.61000	0.59078	21.538	-0.0013430	-0.27952	3.4658E-6
71.82420	4.91980	21.61000	0.59457	21.538	-0.0014043	-0.28575	3.5417E-6
74.38935	4.91980	21.61000	0.59657	21.538	-0.0014602	-0.29117	3.6078E-6
76.95450	4.91980	21.61000	0.59674	21.538	-0.0015094	-0.29568	3.6627E-6
79.51965	4.91980	21.61000	0.59508	21.538	-0.0015507	-0.29919	3.7053E-6
82.08480	4.91980	21.61000	0.59162	21.538	-0.0015829	-0.30163	3.7348E-6
84.64995	4.91980	21.61000	0.58641	21.538	-0.0016051	-0.30292	3.7502E-6
87.21510	4.91980	21.61000	0.57952	21.538	-0.0016166	-0.30303	3.7512E-6
89.78025	4.91980	21.61000	0.57103	21.538	-0.0016170	-0.30193	3.7374E-6
92.34540	4.91980	21.61000	0.56104	21.538	-0.0016063	-0.29963	3.7088E-6
94.91055	4.91980	21.61000	0.54968	21.538	-0.0015846	-0.29615	3.6659E-6
97.47570	4.91980	21.61000	0.53709	21.538	-0.0015526	-0.29155	3.6091E-6
100.04085	4.91980	21.61000	0.52340	21.538	-0.0015111	-0.28589	3.5395E-6
102.60600	4.91980	21.61000	0.50877	21.538	-0.0014610	-0.27927	3.4582E-6
105.17115	4.91980	21.61000	0.49334	21.538	-0.0014036	-0.27181	3.3664E-6
107.73630	4.91980	21.61000	0.47728	21.538	-0.0013403	-0.26361	3.2657E-6
110.30145	4.91980	21.61000	0.46073	21.538	-0.0012725	-0.25482	3.1576E-6
112.86660	4.91980	21.61000	0.44385	21.538	-0.0012015	-0.24555	3.0437E-6
115.43175	4.91980	21.61000	0.42676	21.538	-0.0011288	-0.23593	2.9255E-6
117.99690	4.91980	21.61000	0.40961	21.538	-0.0010554	-0.22610	2.8045E-6
120.56205	4.91980	21.61000	0.39251	21.538	-982.60E-6	-0.21615	2.6821E-6
123.12720	4.91980	21.61000	0.37556	21.538	-911.23E-6	-0.20619	2.5595E-6
125.69235	4.91980	21.61000	0.35886	21.538	-842.08E-6	-0.19631	2.4379E-6
128.25750	4.91980	21.61000	0.34250	21.538	-775.74E-6	-0.18659	2.3181E-6
130.82265	4.91980	21.61000	0.32654	21.538	-712.66E-6	-0.17709	2.2009E-6
133.38780	4.91980	21.61000	0.31103	21.538	-653.13E-6	-0.16785	2.0870E-6
135.95295	4.91980	21.61000	0.29602	21.538	-597.35E-6	-0.15893	1.9769E-6
138.51810	4.91980	21.61000	0.28155	21.538	-545.38E-6	-0.15035	1.8709E-6
141.08325	4.91980	21.61000	0.26763	21.538	-497.21E-6	-0.14213	1.7693E-6
143.64840	4.91980	21.61000	0.25429	21.538	-452.77E-6	-0.13428	1.6722E-6
146.21355	4.91980	21.61000	0.24152	21.538	-411.91E-6	-0.12682	1.5798E-6
148.77870	4.91980	21.61000	0.22934	21.538	-374.49E-6	-0.11973	1.4921E-6
151.34385	4.91980	21.61000	0.21773	21.538	-340.29E-6	-0.11301	1.4089E-6
153.90900	4.91980	21.61000	0.20669	21.538	-309.13E-6	-0.10667	1.3303E-6 !
0.00000	7.37970	21.61000	0.22354	21.538	-172.87E-6	-0.084312	1.0541E-6
2.56515	7.37970	21.61000	0.23586	21.538	-189.18E-6	-0.089144	1.1143E-6
5.13030	7.37970	21.61000	0.24885	21.538	-207.10E-6	-0.094272	1.1781E-6
7.69545	7.37970	21.61000	0.26251	21.538	-226.78E-6	-0.099710	1.2458E-6
10.26060	7.37970	21.61000	0.27685	21.538	-248.39E-6	-0.10547	1.3175E-6
12.82575	7.37970	21.61000	0.29188	21.538	-272.08E-6	-0.11157	1.3933E-6
15.39090	7.37970	21.61000	0.30758	21.538	-298.05E-6	-0.11801	1.4734E-6

17.95605	7.37970	21.61000	0.32394	21.538	-326.47E-6	-0.12481	1.5579E-6
20.52120	7.37970	21.61000	0.34093	21.538	-357.55E-6	-0.13198	1.6468E-6
23.08635	7.37970	21.61000	0.35851	21.538	-391.49E-6	-0.13951	1.7403E-6
25.65150	7.37970	21.61000	0.37662	21.538	-428.49E-6	-0.14741	1.8383E-6
28.21665	7.37970	21.61000	0.39519	21.538	-468.77E-6	-0.15567	1.9407E-6
30.78180	7.37970	21.61000	0.41414	21.538	-512.53E-6	-0.16430	2.0476E-6
33.34695	7.37970	21.61000	0.43336	21.538	-559.97E-6	-0.17327	2.1586E-6
35.91210	7.37970	21.61000	0.45273	21.538	-611.30E-6	-0.18257	2.2736E-6
38.47725	7.37970	21.61000	0.47211	21.538	-666.69E-6	-0.19216	2.3923E-6
41.04240	7.37970	21.61000	0.49136	21.538	-726.28E-6	-0.20204	2.5142E-6
43.60755	7.37970	21.61000	0.51029	21.538	-790.18E-6	-0.21214	2.6389E-6
46.17270	7.37970	21.61000	0.52875	21.538	-858.43E-6	-0.22242	2.7657E-6
48.73785	7.37970	21.61000	0.54655	21.538	-930.97E-6	-0.23284	2.8940E-6
51.30300	7.37970	21.61000	0.56350	21.538	-0.0010076	-0.24331	3.0229E-6
53.86815	7.37970	21.61000	0.57941	21.538	-0.0010880	-0.25378	3.1515E-6
56.43330	7.37970	21.61000	0.59410	21.538	-0.0011717	-0.26415	3.2788E-6
58.99845	7.37970	21.61000	0.60741	21.538	-0.0012579	-0.27433	3.4036E-6
61.56360	7.37970	21.61000	0.61916	21.538	-0.0013455	-0.28421	3.5246E-6
64.12875	7.37970	21.61000	0.62922	21.538	-0.0014335	-0.29367	3.6403E-6
66.69390	7.37970	21.61000	0.63746	21.538	-0.0015202	-0.30260	3.7494E-6
69.25905	7.37970	21.61000	0.64377	21.538	-0.0016041	-0.31087	3.8502E-6
71.82420	7.37970	21.61000	0.64808	21.538	-0.0016833	-0.31833	3.9412E-6
74.38935	7.37970	21.61000	0.65033	21.538	-0.0017560	-0.32487	4.0207E-6
76.95450	7.37970	21.61000	0.65051	21.538	-0.0018203	-0.33035	4.0871E-6
79.51965	7.37970	21.61000	0.64860	21.538	-0.0018745	-0.33465	4.1392E-6
82.08480	7.37970	21.61000	0.64465	21.538	-0.0019169	-0.33767	4.1755E-6
84.64995	7.37970	21.61000	0.63870	21.538	-0.0019464	-0.33932	4.1952E-6
87.21510	7.37970	21.61000	0.63083	21.538	-0.0019619	-0.33954	4.1975E-6
89.78025	7.37970	21.61000	0.62116	21.538	-0.0019629	-0.33831	4.1819E-6
92.34540	7.37970	21.61000	0.60980	21.538	-0.0019493	-0.33562	4.1486E-6
94.91055	7.37970	21.61000	0.59689	21.538	-0.0019214	-0.33151	4.0980E-6
97.47570	7.37970	21.61000	0.58259	21.538	-0.0018799	-0.32605	4.0307E-6
100.04085	7.37970	21.61000	0.56708	21.538	-0.0018261	-0.31931	3.9481E-6
102.60600	7.37970	21.61000	0.55051	21.538	-0.0017613	-0.31143	3.8514E-6
105.17115	7.37970	21.61000	0.53308	21.538	-0.0016872	-0.30255	3.7424E-6
107.73630	7.37970	21.61000	0.51497	21.538	-0.0016058	-0.29281	3.6230E-6
110.30145	7.37970	21.61000	0.49634	21.538	-0.0015189	-0.28239	3.4952E-6
112.86660	7.37970	21.61000	0.47736	21.538	-0.0014284	-0.27144	3.3608E-6
115.43175	7.37970	21.61000	0.45821	21.538	-0.0013361	-0.26012	3.2219E-6
117.99690	7.37970	21.61000	0.43902	21.538	-0.0012436	-0.24858	3.0803E-6
120.56205	7.37970	21.61000	0.41993	21.538	-0.0011523	-0.23697	2.9376E-6
123.12720	7.37970	21.61000	0.40107	21.538	-0.0010635	-0.22539	2.7953E-6
125.69235	7.37970	21.61000	0.38253	21.538	-977.91E-6	-0.21396	2.6548E-6
128.25750	7.37970	21.61000	0.36441	21.538	-896.41E-6	-0.20276	2.5170E-6
130.82265	7.37970	21.61000	0.34678	21.538	-819.43E-6	-0.19187	2.3829E-6
133.38780	7.37970	21.61000	0.32970	21.538	-747.30E-6	-0.18134	2.2531E-6
135.95295	7.37970	21.61000	0.31322	21.538	-680.16E-6	-0.17121	2.1282E-6
138.51810	7.37970	21.61000	0.29737	21.538	-618.02E-6	-0.16151	2.0085E-6

141.08325	7.37970	21.61000	0.28216	21.538	-560.81E-6	-0.15227	1.8944E-6
143.64840	7.37970	21.61000	0.26763	21.538	-508.36E-6	-0.14348	1.7858E-6
146.21355	7.37970	21.61000	0.25376	21.538	-460.45E-6	-0.13515	1.6828E-6
148.77870	7.37970	21.61000	0.24056	21.538	-416.82E-6	-0.12728	1.5855E-6
151.34385	7.37970	21.61000	0.22801	21.538	-377.20E-6	-0.11986	1.4936E-6
153.90900	7.37970	21.61000	0.21611	21.538	-341.29E-6	-0.11287	1.4070E-6 !
0.00000	9.83960	21.61000	0.23389	21.538	-187.07E-6	-0.088423	1.1053E-6
2.56515	9.83960	21.61000	0.24719	21.538	-205.28E-6	-0.093658	1.1705E-6
5.13030	9.83960	21.61000	0.26124	21.538	-225.36E-6	-0.099230	1.2398E-6
7.69545	9.83960	21.61000	0.27606	21.538	-247.49E-6	-0.10516	1.3135E-6
10.26060	9.83960	21.61000	0.29167	21.538	-271.88E-6	-0.11145	1.3919E-6
12.82575	9.83960	21.61000	0.30806	21.538	-298.74E-6	-0.11814	1.4750E-6
15.39090	9.83960	21.61000	0.32525	21.538	-328.29E-6	-0.12523	1.5630E-6
17.95605	9.83960	21.61000	0.34320	21.538	-360.76E-6	-0.13274	1.6563E-6
20.52120	9.83960	21.61000	0.36191	21.538	-396.42E-6	-0.14068	1.7548E-6
23.08635	9.83960	21.61000	0.38132	21.538	-435.53E-6	-0.14905	1.8586E-6
25.65150	9.83960	21.61000	0.40137	21.538	-478.36E-6	-0.15786	1.9679E-6
28.21665	9.83960	21.61000	0.42199	21.538	-525.18E-6	-0.16712	2.0826E-6
30.78180	9.83960	21.61000	0.44309	21.538	-576.30E-6	-0.17682	2.2026E-6
33.34695	9.83960	21.61000	0.46454	21.538	-631.99E-6	-0.18693	2.3278E-6
35.91210	9.83960	21.61000	0.48621	21.538	-692.54E-6	-0.19746	2.4580E-6
38.47725	9.83960	21.61000	0.50795	21.538	-758.24E-6	-0.20837	2.5928E-6
41.04240	9.83960	21.61000	0.52958	21.538	-829.35E-6	-0.21964	2.7318E-6
43.60755	9.83960	21.61000	0.55091	21.538	-906.10E-6	-0.23121	2.8745E-6
46.17270	9.83960	21.61000	0.57174	21.538	-988.63E-6	-0.24304	3.0202E-6
48.73785	9.83960	21.61000	0.59186	21.538	-0.0010770	-0.25507	3.1682E-6
51.30300	9.83960	21.61000	0.61104	21.538	-0.0011711	-0.26722	3.3175E-6
53.86815	9.83960	21.61000	0.62908	21.538	-0.0012707	-0.27942	3.4671E-6
56.43330	9.83960	21.61000	0.64575	21.538	-0.0013752	-0.29155	3.6159E-6
58.99845	9.83960	21.61000	0.66086	21.538	-0.0014837	-0.30352	3.7623E-6
61.56360	9.83960	21.61000	0.67422	21.538	-0.0015950	-0.31520	3.9050E-6
64.12875	9.83960	21.61000	0.68565	21.538	-0.0017075	-0.32644	4.0422E-6
66.69390	9.83960	21.61000	0.69502	21.538	-0.0018193	-0.33711	4.1722E-6
69.25905	9.83960	21.61000	0.70219	21.538	-0.0019282	-0.34703	4.2929E-6
71.82420	9.83960	21.61000	0.70709	21.538	-0.0020317	-0.35605	4.4025E-6
74.38935	9.83960	21.61000	0.70964	21.538	-0.0021272	-0.36399	4.4988E-6
76.95450	9.83960	21.61000	0.70981	21.538	-0.0022121	-0.37069	4.5799E-6
79.51965	9.83960	21.61000	0.70762	21.538	-0.0022840	-0.37600	4.6439E-6
82.08480	9.83960	21.61000	0.70309	21.538	-0.0023406	-0.37977	4.6892E-6
84.64995	9.83960	21.61000	0.69630	21.538	-0.0023802	-0.38189	4.7144E-6
87.21510	9.83960	21.61000	0.68733	21.538	-0.0024013	-0.38229	4.7186E-6
89.78025	9.83960	21.61000	0.67630	21.538	-0.0024032	-0.38091	4.7013E-6
92.34540	9.83960	21.61000	0.66337	21.538	-0.0023858	-0.37776	4.6623E-6
94.91055	9.83960	21.61000	0.64870	21.538	-0.0023494	-0.37288	4.6022E-6
97.47570	9.83960	21.61000	0.63247	21.538	-0.0022952	-0.36634	4.5220E-6
100.04085	9.83960	21.61000	0.61487	21.538	-0.0022246	-0.35826	4.4231E-6
102.60600	9.83960	21.61000	0.59612	21.538	-0.0021398	-0.34881	4.3074E-6
105.17115	9.83960	21.61000	0.57642	21.538	-0.0020432	-0.33817	4.1771E-6

107.73630	9.83960	21.61000	0.55598	21.538	-0.0019374	-0.32652	4.0346E-6
110.30145	9.83960	21.61000	0.53500	21.538	-0.0018250	-0.31409	3.8824E-6
112.86660	9.83960	21.61000	0.51368	21.538	-0.0017085	-0.30107	3.7231E-6
115.43175	9.83960	21.61000	0.49220	21.538	-0.0015904	-0.28767	3.5590E-6
117.99690	9.83960	21.61000	0.47073	21.538	-0.0014729	-0.27408	3.3923E-6
120.56205	9.83960	21.61000	0.44943	21.538	-0.0013577	-0.26045	3.2252E-6
123.12720	9.83960	21.61000	0.42843	21.538	-0.0012463	-0.24693	3.0594E-6
125.69235	9.83960	21.61000	0.40784	21.538	-0.0011399	-0.23366	2.8964E-6
128.25750	9.83960	21.61000	0.38777	21.538	-0.0010393	-0.22072	2.7375E-6
130.82265	9.83960	21.61000	0.36831	21.538	-944.93E-6	-0.20820	2.5835E-6
133.38780	9.83960	21.61000	0.34950	21.538	-857.17E-6	-0.19616	2.4353E-6
135.95295	9.83960	21.61000	0.33139	21.538	-776.09E-6	-0.18463	2.2934E-6
138.51810	9.83960	21.61000	0.31403	21.538	-701.59E-6	-0.17366	2.1581E-6
141.08325	9.83960	21.61000	0.29743	21.538	-633.47E-6	-0.16324	2.0297E-6
143.64840	9.83960	21.61000	0.28161	21.538	-571.46E-6	-0.15339	1.9081E-6
146.21355	9.83960	21.61000	0.26655	21.538	-515.18E-6	-0.14409	1.7933E-6
148.77870	9.83960	21.61000	0.25225	21.538	-464.27E-6	-0.13535	1.6852E-6
151.34385	9.83960	21.61000	0.23870	21.538	-418.32E-6	-0.12714	1.5836E-6
153.90900	9.83960	21.61000	0.22587	21.538	-376.92E-6	-0.11944	1.4883E-6 !
0.00000	12.29950	21.61000	0.24461	21.538	-202.45E-6	-0.092728	1.1589E-6
2.56515	12.29950	21.61000	0.25895	21.538	-222.78E-6	-0.098398	1.2295E-6
5.13030	12.29950	21.61000	0.27414	21.538	-245.29E-6	-0.10445	1.3048E-6
7.69545	12.29950	21.61000	0.29022	21.538	-270.19E-6	-0.11091	1.3851E-6
10.26060	12.29950	21.61000	0.30719	21.538	-297.74E-6	-0.11780	1.4707E-6
12.82575	12.29950	21.61000	0.32507	21.538	-328.20E-6	-0.12514	1.5618E-6
15.39090	12.29950	21.61000	0.34387	21.538	-361.85E-6	-0.13294	1.6588E-6
17.95605	12.29950	21.61000	0.36357	21.538	-398.99E-6	-0.14124	1.7617E-6
20.52120	12.29950	21.61000	0.38416	21.538	-439.94E-6	-0.15004	1.8709E-6
23.08635	12.29950	21.61000	0.40558	21.538	-485.05E-6	-0.15936	1.9865E-6
25.65150	12.29950	21.61000	0.42777	21.538	-534.67E-6	-0.16921	2.1085E-6
28.21665	12.29950	21.61000	0.45067	21.538	-589.16E-6	-0.17959	2.2370E-6
30.78180	12.29950	21.61000	0.47415	21.538	-648.92E-6	-0.19050	2.3721E-6
33.34695	12.29950	21.61000	0.49809	21.538	-714.34E-6	-0.20194	2.5135E-6
35.91210	12.29950	21.61000	0.52234	21.538	-785.84E-6	-0.21389	2.6611E-6
38.47725	12.29950	21.61000	0.54672	21.538	-863.85E-6	-0.22632	2.8145E-6
41.04240	12.29950	21.61000	0.57103	21.538	-948.79E-6	-0.23920	2.9734E-6
43.60755	12.29950	21.61000	0.59505	21.538	-0.0010411	-0.25249	3.1371E-6
46.17270	12.29950	21.61000	0.61855	21.538	-0.0011411	-0.26614	3.3050E-6
48.73785	12.29950	21.61000	0.64128	21.538	-0.0012490	-0.28007	3.4762E-6
51.30300	12.29950	21.61000	0.66299	21.538	-0.0013650	-0.29421	3.6497E-6
53.86815	12.29950	21.61000	0.68342	21.538	-0.0014888	-0.30847	3.8244E-6
56.43330	12.29950	21.61000	0.70234	21.538	-0.0016200	-0.32273	3.9988E-6
58.99845	12.29950	21.61000	0.71949	21.538	-0.0017575	-0.33686	4.1715E-6
61.56360	12.29950	21.61000	0.73467	21.538	-0.0018999	-0.35073	4.3405E-6
64.12875	12.29950	21.61000	0.74767	21.538	-0.0020451	-0.36416	4.5040E-6
66.69390	12.29950	21.61000	0.75831	21.538	-0.0021907	-0.37697	4.6596E-6
69.25905	12.29950	21.61000	0.76647	21.538	-0.0023336	-0.38896	4.8051E-6
71.82420	12.29950	21.61000	0.77202	21.538	-0.0024703	-0.39993	4.9379E-6

74.38935	12.29950	21.61000	0.77491	21.538	-0.0025973	-0.40965	5.0555E-6
76.95450	12.29950	21.61000	0.77509	21.538	-0.0027108	-0.41792	5.1552E-6
79.51965	12.29950	21.61000	0.77256	21.538	-0.0028074	-0.42452	5.2346E-6
82.08480	12.29950	21.61000	0.76738	21.538	-0.0028839	-0.42928	5.2916E-6
84.64995	12.29950	21.61000	0.75962	21.538	-0.0029377	-0.43204	5.3243E-6
87.21510	12.29950	21.61000	0.74939	21.538	-0.0029669	-0.43269	5.3314E-6
89.78025	12.29950	21.61000	0.73683	21.538	-0.0029703	-0.43117	5.3120E-6
92.34540	12.29950	21.61000	0.72212	21.538	-0.0029477	-0.42746	5.2662E-6
94.91055	12.29950	21.61000	0.70545	21.538	-0.0028997	-0.42161	5.1944E-6
97.47570	12.29950	21.61000	0.68703	21.538	-0.0028277	-0.41373	5.0980E-6
100.04085	12.29950	21.61000	0.66709	21.538	-0.0027342	-0.40397	4.9789E-6
102.60600	12.29950	21.61000	0.64586	21.538	-0.0026220	-0.39255	4.8394E-6
105.17115	12.29950	21.61000	0.62360	21.538	-0.0024945	-0.37969	4.6824E-6
107.73630	12.29950	21.61000	0.60055	21.538	-0.0023554	-0.36566	4.5112E-6
110.30145	12.29950	21.61000	0.57692	21.538	-0.0022084	-0.35073	4.3289E-6
112.86660	12.29950	21.61000	0.55297	21.538	-0.0020571	-0.33515	4.1386E-6
115.43175	12.29950	21.61000	0.52888	21.538	-0.0019047	-0.31919	3.9436E-6
117.99690	12.29950	21.61000	0.50487	21.538	-0.0017541	-0.30308	3.7466E-6
120.56205	12.29950	21.61000	0.48109	21.538	-0.0016076	-0.28701	3.5499E-6
123.12720	12.29950	21.61000	0.45771	21.538	-0.0014671	-0.27116	3.3559E-6
125.69235	12.29950	21.61000	0.43486	21.538	-0.0013339	-0.25568	3.1662E-6
128.25750	12.29950	21.61000	0.41264	21.538	-0.0012090	-0.24069	2.9822E-6
130.82265	12.29950	21.61000	0.39115	21.538	-0.0010928	-0.22625	2.8051E-6
133.38780	12.29950	21.61000	0.37044	21.538	-985.63E-6	-0.21245	2.6354E-6
135.95295	12.29950	21.61000	0.35057	21.538	-887.39E-6	-0.19931	2.4739E-6
138.51810	12.29950	21.61000	0.33157	21.538	-797.82E-6	-0.18686	2.3207E-6
141.08325	12.29950	21.61000	0.31345	21.538	-716.55E-6	-0.17512	2.1759E-6
143.64840	12.29950	21.61000	0.29622	21.538	-643.09E-6	-0.16406	2.0396E-6
146.21355	12.29950	21.61000	0.27988	21.538	-576.90E-6	-0.15368	1.9115E-6
148.77870	12.29950	21.61000	0.26440	21.538	-517.42E-6	-0.14396	1.7915E-6
151.34385	12.29950	21.61000	0.24978	21.538	-464.09E-6	-0.13487	1.6792E-6
153.90900	12.29950	21.61000	0.23597	21.538	-416.35E-6	-0.12639	1.5743E-6 !
0.00000	14.75940	21.61000	0.25569	21.538	-219.10E-6	-0.097229	1.2149E-6
2.56515	14.75940	21.61000	0.27114	21.538	-241.81E-6	-0.10337	1.2913E-6
5.13030	14.75940	21.61000	0.28756	21.538	-267.04E-6	-0.10995	1.3731E-6
7.69545	14.75940	21.61000	0.30497	21.538	-295.07E-6	-0.11699	1.4606E-6
10.26060	14.75940	21.61000	0.32342	21.538	-326.20E-6	-0.12452	1.5542E-6
12.82575	14.75940	21.61000	0.34291	21.538	-360.77E-6	-0.13258	1.6542E-6
15.39090	14.75940	21.61000	0.36346	21.538	-399.11E-6	-0.14118	1.7610E-6
17.95605	14.75940	21.61000	0.38506	21.538	-441.62E-6	-0.15035	1.8748E-6
20.52120	14.75940	21.61000	0.40770	21.538	-488.70E-6	-0.16012	1.9959E-6
23.08635	14.75940	21.61000	0.43133	21.538	-540.78E-6	-0.17050	2.1246E-6
25.65150	14.75940	21.61000	0.45589	21.538	-598.31E-6	-0.18152	2.2610E-6
28.21665	14.75940	21.61000	0.48129	21.538	-661.78E-6	-0.19318	2.4053E-6
30.78180	14.75940	21.61000	0.50742	21.538	-731.69E-6	-0.20549	2.5575E-6
33.34695	14.75940	21.61000	0.53413	21.538	-808.58E-6	-0.21844	2.7175E-6
35.91210	14.75940	21.61000	0.56124	21.538	-893.04E-6	-0.23203	2.8852E-6
38.47725	14.75940	21.61000	0.58857	21.538	-985.67E-6	-0.24622	3.0603E-6

41.04240	14.75940	21.61000	0.61587	21.538	-0.0010872	-0.26099	3.2423E-6
43.60755	14.75940	21.61000	0.64290	21.538	-0.0011982	-0.27629	3.4306E-6
46.17270	14.75940	21.61000	0.66938	21.538	-0.0013194	-0.29207	3.6245E-6
48.73785	14.75940	21.61000	0.69504	21.538	-0.0014515	-0.30826	3.8232E-6
51.30300	14.75940	21.61000	0.71957	21.538	-0.0015947	-0.32477	4.0254E-6
53.86815	14.75940	21.61000	0.74270	21.538	-0.0017493	-0.34149	4.2300E-6
56.43330	14.75940	21.61000	0.76413	21.538	-0.0019149	-0.35831	4.4353E-6
58.99845	14.75940	21.61000	0.78359	21.538	-0.0020904	-0.37508	4.6397E-6
61.56360	14.75940	21.61000	0.80082	21.538	-0.0022741	-0.39163	4.8409E-6
64.12875	14.75940	21.61000	0.81558	21.538	-0.0024634	-0.40776	5.0367E-6
66.69390	14.75940	21.61000	0.82767	21.538	-0.0026550	-0.42324	5.2242E-6
69.25905	14.75940	21.61000	0.83693	21.538	-0.0028446	-0.43784	5.4007E-6
71.82420	14.75940	21.61000	0.84323	21.538	-0.0030275	-0.45128	5.5629E-6
74.38935	14.75940	21.61000	0.84649	21.538	-0.0031985	-0.46328	5.7075E-6
76.95450	14.75940	21.61000	0.84667	21.538	-0.0033523	-0.47357	5.8311E-6
79.51965	14.75940	21.61000	0.84377	21.538	-0.0034839	-0.48188	5.9306E-6
82.08480	14.75940	21.61000	0.83785	21.538	-0.0035887	-0.48795	6.0030E-6
84.64995	14.75940	21.61000	0.82900	21.538	-0.0036630	-0.49157	6.0458E-6
87.21510	14.75940	21.61000	0.81734	21.538	-0.0037038	-0.49260	6.0571E-6
89.78025	14.75940	21.61000	0.80306	21.538	-0.0037096	-0.49092	6.0358E-6
92.34540	14.75940	21.61000	0.78634	21.538	-0.0036800	-0.48653	5.9817E-6
94.91055	14.75940	21.61000	0.76741	21.538	-0.0036158	-0.47948	5.8954E-6
97.47570	14.75940	21.61000	0.74653	21.538	-0.0035191	-0.46990	5.7786E-6
100.04085	14.75940	21.61000	0.72395	21.538	-0.0033935	-0.45801	5.6338E-6
102.60600	14.75940	21.61000	0.69996	21.538	-0.0032429	-0.44408	5.4642E-6
105.17115	14.75940	21.61000	0.67483	21.538	-0.0030725	-0.42842	5.2737E-6
107.73630	14.75940	21.61000	0.64885	21.538	-0.0028875	-0.41138	5.0662E-6
110.30145	14.75940	21.61000	0.62227	21.538	-0.0026931	-0.39330	4.8462E-6
112.86660	14.75940	21.61000	0.59537	21.538	-0.0024944	-0.37453	4.6176E-6
115.43175	14.75940	21.61000	0.56838	21.538	-0.0022957	-0.35540	4.3843E-6
117.99690	14.75940	21.61000	0.54153	21.538	-0.0021010	-0.33619	4.1500E-6
120.56205	14.75940	21.61000	0.51502	21.538	-0.0019132	-0.31714	3.9175E-6
123.12720	14.75940	21.61000	0.48901	21.538	-0.0017347	-0.29848	3.6894E-6
125.69235	14.75940	21.61000	0.46365	21.538	-0.0015670	-0.28036	3.4678E-6
128.25750	14.75940	21.61000	0.43906	21.538	-0.0014111	-0.26291	3.2542E-6
130.82265	14.75940	21.61000	0.41534	21.538	-0.0012675	-0.24623	3.0497E-6
133.38780	14.75940	21.61000	0.39255	21.538	-0.0011361	-0.23037	2.8552E-6
135.95295	14.75940	21.61000	0.37075	21.538	-0.0010167	-0.21536	2.6709E-6
138.51810	14.75940	21.61000	0.34996	21.538	-908.72E-6	-0.20123	2.4972E-6
141.08325	14.75940	21.61000	0.33020	21.538	-811.55E-6	-0.18796	2.3339E-6
143.64840	14.75940	21.61000	0.31147	21.538	-724.40E-6	-0.17554	2.1810E-6
146.21355	14.75940	21.61000	0.29374	21.538	-646.46E-6	-0.16394	2.0380E-6
148.77870	14.75940	21.61000	0.27701	21.538	-576.92E-6	-0.15313	1.9047E-6
151.34385	14.75940	21.61000	0.26124	21.538	-514.99E-6	-0.14308	1.7805E-6
153.90900	14.75940	21.61000	0.24639	21.538	-459.91E-6	-0.13373	1.6650E-6 !
0.00000	17.21930	21.61000	0.26711	21.538	-237.11E-6	-0.10193	1.2733E-6
2.56515	17.21930	21.61000	0.28374	21.538	-262.48E-6	-0.10858	1.3560E-6
5.13030	17.21930	21.61000	0.30146	21.538	-290.77E-6	-0.11573	1.4449E-6

7.69545	17.21930	21.61000	0.32031	21.538	-322.33E-6	-0.12340	1.5403E-6
10.26060	17.21930	21.61000	0.34033	21.538	-357.53E-6	-0.13164	1.6426E-6
12.82575	17.21930	21.61000	0.36156	21.538	-396.78E-6	-0.14049	1.7524E-6
15.39090	17.21930	21.61000	0.38400	21.538	-440.51E-6	-0.14997	1.8700E-6
17.95605	17.21930	21.61000	0.40767	21.538	-489.20E-6	-0.16012	1.9958E-6
20.52120	17.21930	21.61000	0.43255	21.538	-543.37E-6	-0.17097	2.1303E-6
23.08635	17.21930	21.61000	0.45859	21.538	-603.54E-6	-0.18255	2.2738E-6
25.65150	17.21930	21.61000	0.48575	21.538	-670.31E-6	-0.19490	2.4265E-6
28.21665	17.21930	21.61000	0.51391	21.538	-744.28E-6	-0.20802	2.5888E-6
30.78180	17.21930	21.61000	0.54295	21.538	-826.11E-6	-0.22192	2.7606E-6
33.34695	17.21930	21.61000	0.57271	21.538	-916.49E-6	-0.23662	2.9421E-6
35.91210	17.21930	21.61000	0.60300	21.538	-0.0010162	-0.25209	3.1330E-6
38.47725	17.21930	21.61000	0.63358	21.538	-0.0011261	-0.26833	3.3332E-6
41.04240	17.21930	21.61000	0.66420	21.538	-0.0012473	-0.28531	3.5421E-6
43.60755	17.21930	21.61000	0.69455	21.538	-0.0013807	-0.30297	3.7593E-6
46.17270	17.21930	21.61000	0.72435	21.538	-0.0015275	-0.32127	3.9840E-6
48.73785	17.21930	21.61000	0.75325	21.538	-0.0016891	-0.34013	4.2151E-6
51.30300	17.21930	21.61000	0.78093	21.538	-0.0018663	-0.35946	4.4516E-6
53.86815	17.21930	21.61000	0.80705	21.538	-0.0020599	-0.37915	4.6920E-6
56.43330	17.21930	21.61000	0.83128	21.538	-0.0022699	-0.39907	4.9347E-6
58.99845	17.21930	21.61000	0.85330	21.538	-0.0024954	-0.41905	5.1775E-6
61.56360	17.21930	21.61000	0.87281	21.538	-0.0027345	-0.43890	5.4182E-6
64.12875	17.21930	21.61000	0.88955	21.538	-0.0029838	-0.45838	5.6539E-6
66.69390	17.21930	21.61000	0.90326	21.538	-0.0032389	-0.47722	5.8813E-6
69.25905	17.21930	21.61000	0.91376	21.538	-0.0034939	-0.49512	6.0968E-6
71.82420	17.21930	21.61000	0.92090	21.538	-0.0037419	-0.51173	6.2964E-6
74.38935	17.21930	21.61000	0.92458	21.538	-0.0039756	-0.52669	6.4758E-6
76.95450	17.21930	21.61000	0.92476	21.538	-0.0041872	-0.53963	6.6306E-6
79.51965	17.21930	21.61000	0.92144	21.538	-0.0043692	-0.55019	6.7565E-6
82.08480	17.21930	21.61000	0.91469	21.538	-0.0045151	-0.55802	6.8496E-6
84.64995	17.21930	21.61000	0.90461	21.538	-0.0046192	-0.56283	6.9062E-6
87.21510	17.21930	21.61000	0.89136	21.538	-0.0046773	-0.56441	6.9238E-6
89.78025	17.21930	21.61000	0.87514	21.538	-0.0046870	-0.56260	6.9007E-6
92.34540	17.21930	21.61000	0.85619	21.538	-0.0046477	-0.55738	6.8365E-6
94.91055	17.21930	21.61000	0.83475	21.538	-0.0045606	-0.54881	6.7319E-6
97.47570	17.21930	21.61000	0.81113	21.538	-0.0044289	-0.53707	6.5892E-6
100.04085	17.21930	21.61000	0.78563	21.538	-0.0042575	-0.52244	6.4116E-6
102.60600	17.21930	21.61000	0.75856	21.538	-0.0040526	-0.50528	6.2036E-6
105.17115	17.21930	21.61000	0.73025	21.538	-0.0038216	-0.48603	5.9701E-6
107.73630	17.21930	21.61000	0.70101	21.538	-0.0035721	-0.46514	5.7167E-6
110.30145	17.21930	21.61000	0.67116	21.538	-0.0033118	-0.44307	5.4489E-6
112.86660	17.21930	21.61000	0.64100	21.538	-0.0030478	-0.42028	5.1721E-6
115.43175	17.21930	21.61000	0.61080	21.538	-0.0027861	-0.39718	4.8914E-6
117.99690	17.21930	21.61000	0.58081	21.538	-0.0025320	-0.37413	4.6110E-6
120.56205	17.21930	21.61000	0.55126	21.538	-0.0022893	-0.35143	4.3347E-6
123.12720	17.21930	21.61000	0.52235	21.538	-0.0020608	-0.32935	4.0654E-6
125.69235	17.21930	21.61000	0.49423	21.538	-0.0018483	-0.30805	3.8056E-6
128.25750	17.21930	21.61000	0.46705	21.538	-0.0016527	-0.28769	3.5568E-6

130.82265	17.21930	21.61000	0.44089	21.538	-0.0014743	-0.26834	3.3202E-6
133.38780	17.21930	21.61000	0.41584	21.538	-0.0013126	-0.25008	3.0965E-6
135.95295	17.21930	21.61000	0.39194	21.538	-0.0011670	-0.23291	2.8860E-6
138.51810	17.21930	21.61000	0.36922	21.538	-0.0010366	-0.21684	2.6887E-6
141.08325	17.21930	21.61000	0.34768	21.538	-920.17E-6	-0.20184	2.5044E-6
143.64840	17.21930	21.61000	0.32733	21.538	-816.63E-6	-0.18788	2.3327E-6
146.21355	17.21930	21.61000	0.30812	21.538	-724.77E-6	-0.17492	2.1731E-6
148.77870	17.21930	21.61000	0.29005	21.538	-643.43E-6	-0.16290	2.0250E-6
151.34385	17.21930	21.61000	0.27305	21.538	-571.50E-6	-0.15176	1.8876E-6
153.90900	17.21930	21.61000	0.25710	21.538	-507.97E-6	-0.14147	1.7605E-6 !
0.00000	19.67920	21.61000	0.27884	21.538	-256.59E-6	-0.10683	1.3342E-6
2.56515	19.67920	21.61000	0.29672	21.538	-284.92E-6	-0.11403	1.4237E-6
5.13030	19.67920	21.61000	0.31582	21.538	-316.65E-6	-0.12179	1.5202E-6
7.69545	19.67920	21.61000	0.33620	21.538	-352.19E-6	-0.13016	1.6241E-6
10.26060	19.67920	21.61000	0.35792	21.538	-392.01E-6	-0.13918	1.7361E-6
12.82575	19.67920	21.61000	0.38100	21.538	-436.60E-6	-0.14889	1.8566E-6
15.39090	19.67920	21.61000	0.40549	21.538	-486.51E-6	-0.15934	1.9862E-6
17.95605	19.67920	21.61000	0.43139	21.538	-542.34E-6	-0.17058	2.1254E-6
20.52120	19.67920	21.61000	0.45870	21.538	-604.71E-6	-0.18265	2.2749E-6
23.08635	19.67920	21.61000	0.48737	21.538	-674.32E-6	-0.19558	2.4350E-6
25.65150	19.67920	21.61000	0.51735	21.538	-751.87E-6	-0.20943	2.6063E-6
28.21665	19.67920	21.61000	0.54853	21.538	-838.13E-6	-0.22421	2.7890E-6
30.78180	19.67920	21.61000	0.58077	21.538	-933.91E-6	-0.23995	2.9834E-6
33.34695	19.67920	21.61000	0.61388	21.538	-0.0010401	-0.25666	3.1895E-6
35.91210	19.67920	21.61000	0.64765	21.538	-0.0011577	-0.27433	3.4074E-6
38.47725	19.67920	21.61000	0.68180	21.538	-0.0012878	-0.29296	3.6369E-6
41.04240	19.67920	21.61000	0.71604	21.538	-0.0014319	-0.31251	3.8774E-6
43.60755	19.67920	21.61000	0.75003	21.538	-0.0015917	-0.33295	4.1285E-6
46.17270	19.67920	21.61000	0.78344	21.538	-0.0017690	-0.35422	4.3894E-6
48.73785	19.67920	21.61000	0.81588	21.538	-0.0019662	-0.37626	4.6591E-6
51.30300	19.67920	21.61000	0.84699	21.538	-0.0021853	-0.39896	4.9365E-6
53.86815	19.67920	21.61000	0.87638	21.538	-0.0024281	-0.42222	5.2200E-6
56.43330	19.67920	21.61000	0.90368	21.538	-0.0026955	-0.44590	5.5078E-6
58.99845	19.67920	21.61000	0.92852	21.538	-0.0029873	-0.46982	5.7977E-6
61.56360	19.67920	21.61000	0.95056	21.538	-0.0033012	-0.49376	6.0870E-6
64.12875	19.67920	21.61000	0.96947	21.538	-0.0036334	-0.51743	6.3723E-6
66.69390	19.67920	21.61000	0.98498	21.538	-0.0039775	-0.54052	6.6497E-6
69.25905	19.67920	21.61000	0.99686	21.538	-0.0043254	-0.56264	6.9148E-6
71.82420	19.67920	21.61000	1.0049	21.538	-0.0046672	-0.58335	7.1625E-6
74.38935	19.67920	21.61000	1.0091	21.538	-0.0049918	-0.60218	7.3872E-6
76.95450	19.67920	21.61000	1.0093	21.538	-0.0052877	-0.61864	7.5830E-6
79.51965	19.67920	21.61000	1.0055	21.538	-0.0055439	-0.63222	7.7442E-6
82.08480	19.67920	21.61000	0.99780	21.538	-0.0057504	-0.64246	7.8652E-6
84.64995	19.67920	21.61000	0.98637	21.538	-0.0058989	-0.64894	7.9412E-6
87.21510	19.67920	21.61000	0.97137	21.538	-0.0059831	-0.65134	7.9682E-6
89.78025	19.67920	21.61000	0.95303	21.538	-0.0059994	-0.64946	7.9439E-6
92.34540	19.67920	21.61000	0.93161	21.538	-0.0059466	-0.64322	7.8673E-6
94.91055	19.67920	21.61000	0.90743	21.538	-0.0058266	-0.63270	7.7396E-6

97.47570	19.67920	21.61000	0.88081	21.538	-0.0056441	-0.61815	7.5634E-6
100.04085	19.67920	21.61000	0.85210	21.538	-0.0054065	-0.59995	7.3434E-6
102.60600	19.67920	21.61000	0.82166	21.538	-0.0051231	-0.57860	7.0855E-6
105.17115	19.67920	21.61000	0.78986	21.538	-0.0048050	-0.55467	6.7965E-6
107.73630	19.67920	21.61000	0.75707	21.538	-0.0044636	-0.52880	6.4840E-6
110.30145	19.67920	21.61000	0.72363	21.538	-0.0041101	-0.50162	6.1553E-6
112.86660	19.67920	21.61000	0.68989	21.538	-0.0037548	-0.47370	5.8175E-6
115.43175	19.67920	21.61000	0.65616	21.538	-0.0034062	-0.44560	5.4772E-6
117.99690	19.67920	21.61000	0.62273	21.538	-0.0030711	-0.41777	5.1397E-6
120.56205	19.67920	21.61000	0.58986	21.538	-0.0027546	-0.39057	4.8095E-6
123.12720	19.67920	21.61000	0.55776	21.538	-0.0024600	-0.36430	4.4901E-6
125.69235	19.67920	21.61000	0.52663	21.538	-0.0021890	-0.33917	4.1842E-6
128.25750	19.67920	21.61000	0.49660	21.538	-0.0019423	-0.31533	3.8935E-6
130.82265	19.67920	21.61000	0.46780	21.538	-0.0017196	-0.29284	3.6191E-6
133.38780	19.67920	21.61000	0.44028	21.538	-0.0015199	-0.27176	3.3614E-6
135.95295	19.67920	21.61000	0.41412	21.538	-0.0013419	-0.25209	3.1206E-6
138.51810	19.67920	21.61000	0.38931	21.538	-0.0011840	-0.23379	2.8964E-6
141.08325	19.67920	21.61000	0.36587	21.538	-0.0010443	-0.21682	2.6882E-6
143.64840	19.67920	21.61000	0.34377	21.538	-921.17E-6	-0.20112	2.4954E-6
146.21355	19.67920	21.61000	0.32300	21.538	-812.83E-6	-0.18663	2.3171E-6
148.77870	19.67920	21.61000	0.30349	21.538	-717.65E-6	-0.17326	2.1525E-6
151.34385	19.67920	21.61000	0.28520	21.538	-634.12E-6	-0.16094	2.0007E-6
153.90900	19.67920	21.61000	0.26809	21.538	-560.85E-6	-0.14960	1.8609E-6 !
0.00000	22.13910	21.61000	0.29086	21.538	-277.62E-6	-0.11192	1.3975E-6
2.56515	22.13910	21.61000	0.31005	21.538	-309.26E-6	-0.11972	1.4944E-6
5.13030	22.13910	21.61000	0.33061	21.538	-344.85E-6	-0.12815	1.5991E-6
7.69545	22.13910	21.61000	0.35261	21.538	-384.89E-6	-0.13727	1.7123E-6
10.26060	22.13910	21.61000	0.37613	21.538	-429.95E-6	-0.14713	1.8347E-6
12.82575	22.13910	21.61000	0.40120	21.538	-480.64E-6	-0.15780	1.9670E-6
15.39090	22.13910	21.61000	0.42788	21.538	-537.65E-6	-0.16933	2.1099E-6
17.95605	22.13910	21.61000	0.45618	21.538	-601.72E-6	-0.18178	2.2641E-6
20.52120	22.13910	21.61000	0.48612	21.538	-673.62E-6	-0.19521	2.4304E-6
23.08635	22.13910	21.61000	0.51764	21.538	-754.22E-6	-0.20968	2.6093E-6
25.65150	22.13910	21.61000	0.55069	21.538	-844.37E-6	-0.22523	2.8016E-6
28.21665	22.13910	21.61000	0.58514	21.538	-945.01E-6	-0.24191	3.0076E-6
30.78180	22.13910	21.61000	0.62085	21.538	-0.0010571	-0.25976	3.2275E-6
33.34695	22.13910	21.61000	0.65760	21.538	-0.0011817	-0.27880	3.4627E-6
35.91210	22.13910	21.61000	0.69513	21.538	-0.0013199	-0.29903	3.7120E-6
38.47725	22.13910	21.61000	0.73314	21.538	-0.0014733	-0.32044	3.9756E-6
41.04240	22.13910	21.61000	0.77128	21.538	-0.0016437	-0.34302	4.2532E-6
43.60755	22.13910	21.61000	0.80918	21.538	-0.0018336	-0.36673	4.5443E-6
46.17270	22.13910	21.61000	0.84644	21.538	-0.0020461	-0.39152	4.8482E-6
48.73785	22.13910	21.61000	0.88265	21.538	-0.0022851	-0.41732	5.1638E-6
51.30300	22.13910	21.61000	0.91740	21.538	-0.0025547	-0.44406	5.4900E-6
53.86815	22.13910	21.61000	0.95028	21.538	-0.0028588	-0.47163	5.8253E-6
56.43330	22.13910	21.61000	0.98085	21.538	-0.0032003	-0.49989	6.1679E-6
58.99845	22.13910	21.61000	1.0087	21.538	-0.0035800	-0.52865	6.5154E-6
61.56360	22.13910	21.61000	1.0335	21.538	-0.0039963	-0.55767	6.8648E-6

64.12875	22.13910	21.61000	1.0548	21.538	-0.0044443	-0.58663	7.2122E-6
66.69390	22.13910	21.61000	1.0722	21.538	-0.0049155	-0.61514	7.5530E-6
69.25905	22.13910	21.61000	1.0856	21.538	-0.0053982	-0.64272	7.8817E-6
71.82420	22.13910	21.61000	1.0947	21.538	-0.0058776	-0.66880	8.1918E-6
74.38935	22.13910	21.61000	1.0994	21.538	-0.0063369	-0.69278	8.4761E-6
76.95450	22.13910	21.61000	1.0996	21.538	-0.0067589	-0.71396	8.7266E-6
79.51965	22.13910	21.61000	1.0953	21.538	-0.0071264	-0.73167	8.9355E-6
82.08480	22.13910	21.61000	1.0866	21.538	-0.0074246	-0.74524	9.0951E-6
84.64995	22.13910	21.61000	1.0737	21.538	-0.0076407	-0.75409	9.1983E-6
87.21510	22.13910	21.61000	1.0569	21.538	-0.0077654	-0.75775	9.2395E-6
89.78025	22.13910	21.61000	1.0362	21.538	-0.0077929	-0.75589	9.2151E-6
92.34540	22.13910	21.61000	1.0122	21.538	-0.0077213	-0.74840	9.1236E-6
94.91055	22.13910	21.61000	0.98505	21.538	-0.0075533	-0.73537	8.9660E-6
97.47570	22.13910	21.61000	0.95522	21.538	-0.0072958	-0.71713	8.7463E-6
100.04085	22.13910	21.61000	0.92308	21.538	-0.0069601	-0.69420	8.4705E-6
102.60600	22.13910	21.61000	0.88904	21.538	-0.0065609	-0.66729	8.1470E-6
105.17115	22.13910	21.61000	0.85351	21.538	-0.0061149	-0.63721	7.7854E-6
107.73630	22.13910	21.61000	0.81689	21.538	-0.0056398	-0.60481	7.3958E-6
110.30145	22.13910	21.61000	0.77959	21.538	-0.0051523	-0.57097	6.9884E-6
112.86660	22.13910	21.61000	0.74198	21.538	-0.0046673	-0.53647	6.5727E-6
115.43175	22.13910	21.61000	0.70443	21.538	-0.0041970	-0.50201	6.1569E-6
117.99690	22.13910	21.61000	0.66726	21.538	-0.0037505	-0.46816	5.7479E-6
120.56205	22.13910	21.61000	0.63077	21.538	-0.0033339	-0.43537	5.3512E-6
123.12720	22.13910	21.61000	0.59522	21.538	-0.0029509	-0.40397	4.9707E-6
125.69235	22.13910	21.61000	0.56081	21.538	-0.0026031	-0.37420	4.6092E-6
128.25750	22.13910	21.61000	0.52771	21.538	-0.0022902	-0.34618	4.2685E-6
130.82265	22.13910	21.61000	0.49603	21.538	-0.0020111	-0.31998	3.9494E-6
133.38780	22.13910	21.61000	0.46586	21.538	-0.0017636	-0.29560	3.6521E-6
135.95295	22.13910	21.61000	0.43724	21.538	-0.0015455	-0.27302	3.3763E-6
138.51810	22.13910	21.61000	0.41020	21.538	-0.0013538	-0.25216	3.1212E-6
141.08325	22.13910	21.61000	0.38472	21.538	-0.0011860	-0.23296	2.8859E-6
143.64840	22.13910	21.61000	0.36077	21.538	-0.0010395	-0.21530	2.6693E-6
146.21355	22.13910	21.61000	0.33832	21.538	-911.66E-6	-0.19909	2.4702E-6
148.77870	22.13910	21.61000	0.31730	21.538	-800.30E-6	-0.18423	2.2875E-6
151.34385	22.13910	21.61000	0.29765	21.538	-703.33E-6	-0.17061	2.1198E-6
153.90900	22.13910	21.61000	0.27931	21.538	-618.90E-6	-0.15814	1.9660E-6 !
0.00000	24.59900	21.61000	0.30311	21.538	-300.31E-6	-0.11722	1.4633E-6
2.56515	24.59900	21.61000	0.32368	21.538	-335.64E-6	-0.12564	1.5680E-6
5.13030	24.59900	21.61000	0.34578	21.538	-375.56E-6	-0.13480	1.6816E-6
7.69545	24.59900	21.61000	0.36950	21.538	-420.68E-6	-0.14473	1.8049E-6
10.26060	24.59900	21.61000	0.39491	21.538	-471.70E-6	-0.15553	1.9387E-6
12.82575	24.59900	21.61000	0.42210	21.538	-529.37E-6	-0.16725	2.0840E-6
15.39090	24.59900	21.61000	0.45112	21.538	-594.54E-6	-0.17997	2.2416E-6
17.95605	24.59900	21.61000	0.48200	21.538	-668.13E-6	-0.19377	2.4124E-6
20.52120	24.59900	21.61000	0.51474	21.538	-751.13E-6	-0.20873	2.5975E-6
23.08635	24.59900	21.61000	0.54933	21.538	-844.55E-6	-0.22492	2.7976E-6
25.65150	24.59900	21.61000	0.58568	21.538	-949.48E-6	-0.24241	3.0137E-6
28.21665	24.59900	21.61000	0.62367	21.538	-0.0010670	-0.26127	3.2466E-6

30.78180	24.59900	21.61000	0.66311	21.538	-0.0011981	-0.28156	3.4968E-6
33.34695	24.59900	21.61000	0.70375	21.538	-0.0013439	-0.30329	3.7647E-6
35.91210	24.59900	21.61000	0.74530	21.538	-0.0015057	-0.32650	4.0506E-6
38.47725	24.59900	21.61000	0.78739	21.538	-0.0016851	-0.35119	4.3544E-6
41.04240	24.59900	21.61000	0.82962	21.538	-0.0018843	-0.37733	4.6757E-6
43.60755	24.59900	21.61000	0.87156	21.538	-0.0021067	-0.40489	5.0141E-6
46.17270	24.59900	21.61000	0.91278	21.538	-0.0023573	-0.43385	5.3689E-6
48.73785	24.59900	21.61000	0.95283	21.538	-0.0026426	-0.46413	5.7391E-6
51.30300	24.59900	21.61000	0.99129	21.538	-0.0029705	-0.49569	6.1238E-6
53.86815	24.59900	21.61000	1.0277	21.538	-0.0033489	-0.52845	6.5216E-6
56.43330	24.59900	21.61000	1.0617	21.538	-0.0037846	-0.56229	6.9308E-6
58.99845	24.59900	21.61000	1.0927	21.538	-0.0042813	-0.59702	7.3490E-6
61.56360	24.59900	21.61000	1.1203	21.538	-0.0048388	-0.63240	7.7730E-6
64.12875	24.59900	21.61000	1.1441	21.538	-0.0054514	-0.66806	8.1986E-6
66.69390	24.59900	21.61000	1.1637	21.538	-0.0061076	-0.70355	8.6203E-6
69.25905	24.59900	21.61000	1.1787	21.538	-0.0067901	-0.73827	9.0312E-6
71.82420	24.59900	21.61000	1.1890	21.538	-0.0074766	-0.77149	9.4233E-6
74.38935	24.59900	21.61000	1.1942	21.538	-0.0081410	-0.80238	9.7869E-6
76.95450	24.59900	21.61000	1.1944	21.538	-0.0087560	-0.83003	10.111E-6
79.51965	24.59900	21.61000	1.1896	21.538	-0.0092952	-0.85347	10.386E-6
82.08480	24.59900	21.61000	1.1799	21.538	-0.0097354	-0.87176	10.599E-6
84.64995	24.59900	21.61000	1.1655	21.538	-0.010057	-0.88404	10.742E-6
87.21510	24.59900	21.61000	1.1466	21.538	-0.010247	-0.88962	10.805E-6
89.78025	24.59900	21.61000	1.1236	21.538	-0.010294	-0.88800	10.783E-6
92.34540	24.59900	21.61000	1.0968	21.538	-0.010196	-0.87898	10.673E-6
94.91055	24.59900	21.61000	1.0667	21.538	-0.0099563	-0.86265	10.477E-6
97.47570	24.59900	21.61000	1.0335	21.538	-0.0095857	-0.83947	10.199E-6
100.04085	24.59900	21.61000	0.99787	21.538	-0.0091015	-0.81019	9.8488E-6
102.60600	24.59900	21.61000	0.96012	21.538	-0.0085269	-0.77579	9.4377E-6
105.17115	24.59900	21.61000	0.92072	21.538	-0.0078888	-0.73744	8.9793E-6
107.73630	24.59900	21.61000	0.88012	21.538	-0.0072147	-0.69636	8.4880E-6
110.30145	24.59900	21.61000	0.83876	21.538	-0.0065306	-0.65375	7.9778E-6
112.86660	24.59900	21.61000	0.79706	21.538	-0.0058583	-0.61067	7.4612E-6
115.43175	24.59900	21.61000	0.75545	21.538	-0.0052151	-0.56803	6.9491E-6
117.99690	24.59900	21.61000	0.71429	21.538	-0.0046130	-0.52656	6.4501E-6
120.56205	24.59900	21.61000	0.67392	21.538	-0.0040593	-0.48679	5.9706E-6
123.12720	24.59900	21.61000	0.63465	21.538	-0.0035575	-0.44907	5.5152E-6
125.69235	24.59900	21.61000	0.59671	21.538	-0.0031080	-0.41365	5.0865E-6
128.25750	24.59900	21.61000	0.56029	21.538	-0.0027091	-0.38063	4.6861E-6
130.82265	24.59900	21.61000	0.52552	21.538	-0.0023578	-0.35002	4.3143E-6
133.38780	24.59900	21.61000	0.49250	21.538	-0.0020503	-0.32178	3.9707E-6
135.95295	24.59900	21.61000	0.46126	21.538	-0.0017822	-0.29584	3.6544E-6
138.51810	24.59900	21.61000	0.43183	21.538	-0.0015494	-0.27206	3.3640E-6
141.08325	24.59900	21.61000	0.40418	21.538	-0.0013476	-0.25031	3.0980E-6
143.64840	24.59900	21.61000	0.37827	21.538	-0.0011731	-0.23045	2.8548E-6
146.21355	24.59900	21.61000	0.35404	21.538	-0.0010223	-0.21234	2.6326E-6
148.77870	24.59900	21.61000	0.33143	21.538	-892.09E-6	-0.19582	2.4298E-6
151.34385	24.59900	21.61000	0.31035	21.538	-779.60E-6	-0.18077	2.2447E-6

153.90900	24.59900	21.61000	0.29072	21.538	-682.41E-6	-0.16706	2.0758E-6 !
0.00000	27.05890	21.61000	0.31556	21.538	-324.76E-6	-0.12270	1.5313E-6
2.56515	27.05890	21.61000	0.33756	21.538	-364.21E-6	-0.13181	1.6444E-6
5.13030	27.05890	21.61000	0.36127	21.538	-408.98E-6	-0.14174	1.7676E-6
7.69545	27.05890	21.61000	0.38679	21.538	-459.84E-6	-0.15256	1.9019E-6
10.26060	27.05890	21.61000	0.41421	21.538	-517.62E-6	-0.16436	2.0482E-6
12.82575	27.05890	21.61000	0.44364	21.538	-583.27E-6	-0.17724	2.2076E-6
15.39090	27.05890	21.61000	0.47513	21.538	-657.84E-6	-0.19127	2.3814E-6
17.95605	27.05890	21.61000	0.50875	21.538	-742.49E-6	-0.20658	2.5708E-6
20.52120	27.05890	21.61000	0.54450	21.538	-838.41E-6	-0.22325	2.7769E-6
23.08635	27.05890	21.61000	0.58235	21.538	-946.88E-6	-0.24139	3.0010E-6
25.65150	27.05890	21.61000	0.62223	21.538	-0.0010692	-0.26110	3.2443E-6
28.21665	27.05890	21.61000	0.66397	21.538	-0.0012064	-0.28247	3.5079E-6
30.78180	27.05890	21.61000	0.70737	21.538	-0.0013597	-0.30556	3.7927E-6
33.34695	27.05890	21.61000	0.75212	21.538	-0.0015299	-0.33045	4.0993E-6
35.91210	27.05890	21.61000	0.79785	21.538	-0.0017179	-0.35715	4.4282E-6
38.47725	27.05890	21.61000	0.84412	21.538	-0.0019249	-0.38568	4.7793E-6
41.04240	27.05890	21.61000	0.89045	21.538	-0.0021531	-0.41602	5.1523E-6
43.60755	27.05890	21.61000	0.93636	21.538	-0.0024065	-0.44814	5.5468E-6
46.17270	27.05890	21.61000	0.98137	21.538	-0.0026925	-0.48200	5.9621E-6
48.73785	27.05890	21.61000	1.0251	21.538	-0.0030224	-0.51760	6.3974E-6
51.30300	27.05890	21.61000	1.0670	21.538	-0.0034106	-0.55491	6.8521E-6
53.86815	27.05890	21.61000	1.1068	21.538	-0.0038734	-0.59390	7.3252E-6
56.43330	27.05890	21.61000	1.1439	21.538	-0.0044255	-0.63452	7.8154E-6
58.99845	27.05890	21.61000	1.1780	21.538	-0.0050769	-0.67663	8.3206E-6
61.56360	27.05890	21.61000	1.2085	21.538	-0.0058307	-0.71999	8.8376E-6
64.12875	27.05890	21.61000	1.2349	21.538	-0.0066811	-0.76423	9.3619E-6
66.69390	27.05890	21.61000	1.2567	21.538	-0.0076128	-0.80879	9.8874E-6
69.25905	27.05890	21.61000	1.2735	21.538	-0.0085998	-0.85296	10.406E-6
71.82420	27.05890	21.61000	1.2849	21.538	-0.0096073	-0.89580	10.907E-6
74.38935	27.05890	21.61000	1.2908	21.538	-0.010593	-0.93619	11.378E-6
76.95450	27.05890	21.61000	1.2911	21.538	-0.011513	-0.97283	11.804E-6
79.51965	27.05890	21.61000	1.2857	21.538	-0.012325	-1.0044	12.170E-6
82.08480	27.05890	21.61000	1.2750	21.538	-0.012992	-1.0295	12.461E-6
84.64995	27.05890	21.61000	1.2590	21.538	-0.013485	-1.0468	12.660E-6
87.21510	27.05890	21.61000	1.2382	21.538	-0.013780	-1.0554	12.757E-6
89.78025	27.05890	21.61000	1.2129	21.538	-0.013864	-1.0544	12.742E-6
92.34540	27.05890	21.61000	1.1835	21.538	-0.013730	-1.0435	12.610E-6
94.91055	27.05890	21.61000	1.1504	21.538	-0.013382	-1.0228	12.362E-6
97.47570	27.05890	21.61000	1.1141	21.538	-0.012835	-0.99292	12.007E-6
100.04085	27.05890	21.61000	1.0751	21.538	-0.012120	-0.95489	11.555E-6
102.60600	27.05890	21.61000	1.0337	21.538	-0.011272	-0.91019	11.025E-6
105.17115	27.05890	21.61000	0.99056	21.538	-0.010337	-0.86054	10.436E-6
107.73630	27.05890	21.61000	0.94602	21.538	-0.0093592	-0.80770	9.8078E-6
110.30145	27.05890	21.61000	0.90058	21.538	-0.0083796	-0.75335	9.1610E-6
112.86660	27.05890	21.61000	0.85473	21.538	-0.0074313	-0.69896	8.5125E-6
115.43175	27.05890	21.61000	0.80891	21.538	-0.0065384	-0.64571	7.8764E-6
117.99690	27.05890	21.61000	0.76357	21.538	-0.0057164	-0.59450	7.2632E-6

120.56205	27.05890	21.61000	0.71912	21.538	-0.0049730	-0.54594	6.6804E-6
123.12720	27.05890	21.61000	0.67590	21.538	-0.0043100	-0.50042	6.1327E-6
125.69235	27.05890	21.61000	0.63420	21.538	-0.0037254	-0.45811	5.6225E-6
128.25750	27.05890	21.61000	0.59424	21.538	-0.0032144	-0.41908	5.1507E-6
130.82265	27.05890	21.61000	0.55618	21.538	-0.0027706	-0.38325	4.7167E-6
133.38780	27.05890	21.61000	0.52012	21.538	-0.0023873	-0.35050	4.3192E-6
135.95295	27.05890	21.61000	0.48609	21.538	-0.0020573	-0.32066	3.9563E-6
138.51810	27.05890	21.61000	0.45412	21.538	-0.0017741	-0.29353	3.6257E-6
141.08325	27.05890	21.61000	0.42417	21.538	-0.0015314	-0.26891	3.3251E-6
143.64840	27.05890	21.61000	0.39619	21.538	-0.0013237	-0.24658	3.0521E-6
146.21355	27.05890	21.61000	0.37010	21.538	-0.0011459	-0.22635	2.8043E-6
148.77870	27.05890	21.61000	0.34582	21.538	-993.69E-6	-0.20802	2.5794E-6
151.34385	27.05890	21.61000	0.32325	21.538	-863.36E-6	-0.19141	2.3753E-6
153.90900	27.05890	21.61000	0.30229	21.538	-751.63E-6	-0.17635	2.1901E-6 !
0.00000	29.51880	21.61000	0.32814	21.538	-351.06E-6	-0.12836	1.6016E-6
2.56515	29.51880	21.61000	0.35163	21.538	-395.10E-6	-0.13820	1.7237E-6
5.13030	29.51880	21.61000	0.37701	21.538	-445.31E-6	-0.14896	1.8572E-6
7.69545	29.51880	21.61000	0.40441	21.538	-502.64E-6	-0.16074	2.0032E-6
10.26060	29.51880	21.61000	0.43394	21.538	-568.11E-6	-0.17365	2.1631E-6
12.82575	29.51880	21.61000	0.46571	21.538	-642.89E-6	-0.18778	2.3381E-6
15.39090	29.51880	21.61000	0.49982	21.538	-728.31E-6	-0.20328	2.5298E-6
17.95605	29.51880	21.61000	0.53632	21.538	-825.80E-6	-0.22025	2.7396E-6
20.52120	29.51880	21.61000	0.57524	21.538	-936.86E-6	-0.23885	2.9694E-6
23.08635	29.51880	21.61000	0.61655	21.538	-0.0010630	-0.25919	3.2206E-6
25.65150	29.51880	21.61000	0.66015	21.538	-0.0012058	-0.28143	3.4949E-6
28.21665	29.51880	21.61000	0.70586	21.538	-0.0013664	-0.30568	3.7939E-6
30.78180	29.51880	21.61000	0.75339	21.538	-0.0015456	-0.33205	4.1189E-6
33.34695	29.51880	21.61000	0.80235	21.538	-0.0017435	-0.36062	4.4708E-6
35.91210	29.51880	21.61000	0.85228	21.538	-0.0019596	-0.39143	4.8503E-6
38.47725	29.51880	21.61000	0.90262	21.538	-0.0021933	-0.42450	5.2575E-6
41.04240	29.51880	21.61000	0.95277	21.538	-0.0024449	-0.45980	5.6921E-6
43.60755	29.51880	21.61000	1.0022	21.538	-0.0027178	-0.49729	6.1534E-6
46.17270	29.51880	21.61000	1.0503	21.538	-0.0030221	-0.53694	6.6408E-6
48.73785	29.51880	21.61000	1.0969	21.538	-0.0033765	-0.57878	7.1537E-6
51.30300	29.51880	21.61000	1.1415	21.538	-0.0038089	-0.62287	7.6921E-6
53.86815	29.51880	21.61000	1.1839	21.538	-0.0043524	-0.66930	8.2557E-6
56.43330	29.51880	21.61000	1.2237	21.538	-0.0050384	-0.71814	8.8442E-6
58.99845	29.51880	21.61000	1.2605	21.538	-0.0058902	-0.76936	9.4563E-6
61.56360	29.51880	21.61000	1.2936	21.538	-0.0069185	-0.82277	10.090E-6
64.12875	29.51880	21.61000	1.3225	21.538	-0.0081193	-0.87803	10.739E-6
66.69390	29.51880	21.61000	1.3466	21.538	-0.0094721	-0.93454	11.399E-6
69.25905	29.51880	21.61000	1.3652	21.538	-0.010938	-0.99141	12.059E-6
71.82420	29.51880	21.61000	1.3779	21.538	-0.012461	-1.0474	12.707E-6
74.38935	29.51880	21.61000	1.3845	21.538	-0.013970	-1.1011	13.325E-6
76.95450	29.51880	21.61000	1.3848	21.538	-0.015389	-1.1505	13.893E-6
79.51965	29.51880	21.61000	1.3791	21.538	-0.016649	-1.1938	14.390E-6
82.08480	29.51880	21.61000	1.3673	21.538	-0.017691	-1.2290	14.793E-6
84.64995	29.51880	21.61000	1.3500	21.538	-0.018470	-1.2540	15.079E-6

87.21510	29.51880	21.61000	1.3275	21.538	-0.018950	-1.2674	15.229E-6
89.78025	29.51880	21.61000	1.3002	21.538	-0.019105	-1.2678	15.229E-6
92.34540	29.51880	21.61000	1.2686	21.538	-0.018922	-1.2547	15.070E-6
94.91055	29.51880	21.61000	1.2331	21.538	-0.018405	-1.2280	14.754E-6
97.47570	29.51880	21.61000	1.1941	21.538	-0.017578	-1.1887	14.291E-6
100.04085	29.51880	21.61000	1.1523	21.538	-0.016489	-1.1384	13.698E-6
102.60600	29.51880	21.61000	1.1079	21.538	-0.015201	-1.0792	13.002E-6
105.17115	29.51880	21.61000	1.0614	21.538	-0.013791	-1.0137	12.232E-6
107.73630	29.51880	21.61000	1.0134	21.538	-0.012335	-0.94459	11.418E-6
110.30145	29.51880	21.61000	0.96413	21.538	-0.010900	-0.87426	10.587E-6
112.86660	29.51880	21.61000	0.91427	21.538	-0.0095358	-0.80473	9.7638E-6
115.43175	29.51880	21.61000	0.86430	21.538	-0.0082762	-0.73755	8.9662E-6
117.99690	29.51880	21.61000	0.81474	21.538	-0.0071391	-0.67380	8.2071E-6
120.56205	29.51880	21.61000	0.76608	21.538	-0.0061303	-0.61414	7.4947E-6
123.12720	29.51880	21.61000	0.71875	21.538	-0.0052473	-0.55892	6.8332E-6
125.69235	29.51880	21.61000	0.67310	21.538	-0.0044822	-0.50821	6.2242E-6
128.25750	29.51880	21.61000	0.62941	21.538	-0.0038244	-0.46195	5.6671E-6
130.82265	29.51880	21.61000	0.58787	21.538	-0.0032619	-0.41994	5.1598E-6
133.38780	29.51880	21.61000	0.54859	21.538	-0.0027831	-0.38192	4.6996E-6
135.95295	29.51880	21.61000	0.51162	21.538	-0.0023765	-0.34759	4.2831E-6
138.51810	29.51880	21.61000	0.47698	21.538	-0.0020318	-0.31665	3.9068E-6
141.08325	29.51880	21.61000	0.44461	21.538	-0.0017399	-0.28879	3.5673E-6
143.64840	29.51880	21.61000	0.41446	21.538	-0.0014927	-0.26370	3.2611E-6
146.21355	29.51880	21.61000	0.38643	21.538	-0.0012833	-0.24113	2.9850E-6
148.77870	29.51880	21.61000	0.36041	21.538	-0.0011057	-0.22080	2.7360E-6
151.34385	29.51880	21.61000	0.33629	21.538	-954.93E-6	-0.20249	2.5113E-6
153.90900	29.51880	21.61000	0.31395	21.538	-826.74E-6	-0.18598	2.3084E-6 !
0.00000	31.97870	21.61000	0.34080	21.538	-379.31E-6	-0.13419	1.6739E-6
2.56515	31.97870	21.61000	0.36582	21.538	-428.44E-6	-0.14481	1.8056E-6
5.13030	31.97870	21.61000	0.39293	21.538	-484.76E-6	-0.15647	1.9501E-6
7.69545	31.97870	21.61000	0.42227	21.538	-549.38E-6	-0.16928	2.1089E-6
10.26060	31.97870	21.61000	0.45398	21.538	-623.58E-6	-0.18338	2.2834E-6
12.82575	31.97870	21.61000	0.48821	21.538	-708.83E-6	-0.19890	2.4754E-6
15.39090	31.97870	21.61000	0.52504	21.538	-806.78E-6	-0.21599	2.6867E-6
17.95605	31.97870	21.61000	0.56458	21.538	-919.23E-6	-0.23482	2.9194E-6
20.52120	31.97870	21.61000	0.60683	21.538	-0.0010481	-0.25557	3.1756E-6
23.08635	31.97870	21.61000	0.65176	21.538	-0.0011953	-0.27841	3.4574E-6
25.65150	31.97870	21.61000	0.69924	21.538	-0.0013624	-0.30354	3.7671E-6
28.21665	31.97870	21.61000	0.74904	21.538	-0.0015508	-0.33112	4.1070E-6
30.78180	31.97870	21.61000	0.80078	21.538	-0.0017603	-0.36130	4.4788E-6
33.34695	31.97870	21.61000	0.85395	21.538	-0.0019895	-0.39421	4.8841E-6
35.91210	31.97870	21.61000	0.90789	21.538	-0.0022343	-0.42990	5.3239E-6
38.47725	31.97870	21.61000	0.96184	21.538	-0.0024886	-0.46837	5.7982E-6
41.04240	31.97870	21.61000	1.0150	21.538	-0.0027459	-0.50955	6.3066E-6
43.60755	31.97870	21.61000	1.0668	21.538	-0.0030038	-0.55337	6.8481E-6
46.17270	31.97870	21.61000	1.1166	21.538	-0.0032724	-0.59976	7.4216E-6
48.73785	31.97870	21.61000	1.1642	21.538	-0.0035829	-0.64881	8.0270E-6
51.30300	31.97870	21.61000	1.2096	21.538	-0.0039904	-0.70074	8.6648E-6

53.86815	31.97870	21.61000	1.2530	21.538	-0.0045656	-0.75588	9.3368E-6
56.43330	31.97870	21.61000	1.2941	21.538	-0.0053772	-0.81455	10.044E-6
58.99845	31.97870	21.61000	1.3326	21.538	-0.0064761	-0.87695	10.788E-6
61.56360	31.97870	21.61000	1.3678	21.538	-0.0078886	-0.94305	11.566E-6
64.12875	31.97870	21.61000	1.3990	21.538	-0.0096158	-1.0126	12.376E-6
66.69390	31.97870	21.61000	1.4252	21.538	-0.011633	-1.0850	13.210E-6
69.25905	31.97870	21.61000	1.4457	21.538	-0.013882	-1.1592	14.059E-6
71.82420	31.97870	21.61000	1.4598	21.538	-0.016268	-1.2337	14.906E-6
74.38935	31.97870	21.61000	1.4672	21.538	-0.018668	-1.3063	15.729E-6
76.95450	31.97870	21.61000	1.4678	21.538	-0.020944	-1.3745	16.501E-6
79.51965	31.97870	21.61000	1.4617	21.538	-0.022973	-1.4352	17.188E-6
82.08480	31.97870	21.61000	1.4492	21.538	-0.024662	-1.4856	17.758E-6
84.64995	31.97870	21.61000	1.4309	21.538	-0.025942	-1.5227	18.176E-6
87.21510	31.97870	21.61000	1.4072	21.538	-0.026757	-1.5439	18.412E-6
89.78025	31.97870	21.61000	1.3787	21.538	-0.027059	-1.5472	18.442E-6
92.34540	31.97870	21.61000	1.3458	21.538	-0.026819	-1.5314	18.253E-6
94.91055	31.97870	21.61000	1.3090	21.538	-0.026035	-1.4965	17.843E-6
97.47570	31.97870	21.61000	1.2686	21.538	-0.024743	-1.4437	17.228E-6
100.04085	31.97870	21.61000	1.2253	21.538	-0.023024	-1.3755	16.435E-6
102.60600	31.97870	21.61000	1.1792	21.538	-0.020995	-1.2953	15.502E-6
105.17115	31.97870	21.61000	1.1307	21.538	-0.018795	-1.2071	14.476E-6
107.73630	31.97870	21.61000	1.0801	21.538	-0.016558	-1.1150	13.401E-6
110.30145	31.97870	21.61000	1.0279	21.538	-0.014397	-1.0224	12.319E-6
112.86660	31.97870	21.61000	0.97463	21.538	-0.012391	-0.93234	11.261E-6
115.43175	31.97870	21.61000	0.92084	21.538	-0.010582	-0.84666	10.252E-6
117.99690	31.97870	21.61000	0.86722	21.538	-0.0089870	-0.76664	9.3052E-6
120.56205	31.97870	21.61000	0.81437	21.538	-0.0076037	-0.69288	8.4296E-6
123.12720	31.97870	21.61000	0.76286	21.538	-0.0064182	-0.62558	7.6276E-6
125.69235	31.97870	21.61000	0.71315	21.538	-0.0054111	-0.56461	6.8987E-6
128.25750	31.97870	21.61000	0.66558	21.538	-0.0045608	-0.50968	6.2397E-6
130.82265	31.97870	21.61000	0.62040	21.538	-0.0038461	-0.46036	5.6462E-6
133.38780	31.97870	21.61000	0.57776	21.538	-0.0032470	-0.41620	5.1133E-6
135.95295	31.97870	21.61000	0.53772	21.538	-0.0027456	-0.37671	4.6355E-6
138.51810	31.97870	21.61000	0.50028	21.538	-0.0023262	-0.34144	4.2076E-6
141.08325	31.97870	21.61000	0.46539	21.538	-0.0019754	-0.30994	3.8245E-6
143.64840	31.97870	21.61000	0.43298	21.538	-0.0016816	-0.28180	3.4816E-6
146.21355	31.97870	21.61000	0.40293	21.538	-0.0014354	-0.25664	3.1744E-6
148.77870	31.97870	21.61000	0.37511	21.538	-0.0012286	-0.23414	2.8992E-6
151.34385	31.97870	21.61000	0.34940	21.538	-0.0010546	-0.21399	2.6522E-6
153.90900	31.97870	21.61000	0.32564	21.538	-907.82E-6	-0.19592	2.4305E-6 !
0.00000	34.43860	21.61000	0.35345	21.538	-409.59E-6	-0.14018	1.7481E-6
2.56515	34.43860	21.61000	0.38004	21.538	-464.39E-6	-0.15162	1.8899E-6
5.13030	34.43860	21.61000	0.40892	21.538	-527.52E-6	-0.16424	2.0462E-6
7.69545	34.43860	21.61000	0.44027	21.538	-600.35E-6	-0.17816	2.2186E-6
10.26060	34.43860	21.61000	0.47424	21.538	-684.48E-6	-0.19355	2.4090E-6
12.82575	34.43860	21.61000	0.51100	21.538	-781.72E-6	-0.21057	2.6195E-6
15.39090	34.43860	21.61000	0.55066	21.538	-894.16E-6	-0.22942	2.8524E-6
17.95605	34.43860	21.61000	0.59334	21.538	-0.0010241	-0.25031	3.1103E-6

20.52120	34.43860	21.61000	0.63904	21.538	-0.0011739	-0.27347	3.3960E-6
23.08635	34.43860	21.61000	0.68773	21.538	-0.0013462	-0.29914	3.7124E-6
25.65150	34.43860	21.61000	0.73921	21.538	-0.0015427	-0.32757	4.0626E-6
28.21665	34.43860	21.61000	0.79317	21.538	-0.0017646	-0.35900	4.4497E-6
30.78180	34.43860	21.61000	0.84909	21.538	-0.0020105	-0.39366	4.8764E-6
33.34695	34.43860	21.61000	0.90624	21.538	-0.0022750	-0.43171	5.3451E-6
35.91210	34.43860	21.61000	0.96368	21.538	-0.0025468	-0.47323	5.8572E-6
38.47725	34.43860	21.61000	1.0203	21.538	-0.0028062	-0.51818	6.4129E-6
41.04240	34.43860	21.61000	1.0750	21.538	-0.0030263	-0.56639	7.0111E-6
43.60755	34.43860	21.61000	1.1267	21.538	-0.0031819	-0.61763	7.6498E-6
46.17270	34.43860	21.61000	1.1751	21.538	-0.0032692	-0.67174	8.3272E-6
48.73785	34.43860	21.61000	1.2201	21.538	-0.0033361	-0.72882	9.0427E-6
51.30300	34.43860	21.61000	1.2627	21.538	-0.0034984	-0.78938	9.7985E-6
53.86815	34.43860	21.61000	1.3035	21.538	-0.0039198	-0.85428	10.599E-6
56.43330	34.43860	21.61000	1.3433	21.538	-0.0047588	-0.92439	11.449E-6
58.99845	34.43860	21.61000	1.3817	21.538	-0.0061244	-1.0003	12.353E-6
61.56360	34.43860	21.61000	1.4180	21.538	-0.0080690	-1.0824	13.312E-6
64.12875	34.43860	21.61000	1.4509	21.538	-0.010604	-1.1705	14.325E-6
66.69390	34.43860	21.61000	1.4791	21.538	-0.013706	-1.2643	15.388E-6
69.25905	34.43860	21.61000	1.5015	21.538	-0.017296	-1.3627	16.490E-6
71.82420	34.43860	21.61000	1.5172	21.538	-0.021215	-1.4637	17.613E-6
74.38935	34.43860	21.61000	1.5255	21.538	-0.025224	-1.5644	18.728E-6
76.95450	34.43860	21.61000	1.5265	21.538	-0.029054	-1.6607	19.795E-6
79.51965	34.43860	21.61000	1.5202	21.538	-0.032474	-1.7482	20.767E-6
82.08480	34.43860	21.61000	1.5074	21.538	-0.035338	-1.8223	21.591E-6
84.64995	34.43860	21.61000	1.4889	21.538	-0.037552	-1.8787	22.218E-6
87.21510	34.43860	21.61000	1.4652	21.538	-0.039022	-1.9132	22.595E-6
89.78025	34.43860	21.61000	1.4370	21.538	-0.039652	-1.9222	22.685E-6
92.34540	34.43860	21.61000	1.4047	21.538	-0.039368	-1.9035	22.461E-6
94.91055	34.43860	21.61000	1.3687	21.538	-0.038149	-1.8569	21.921E-6
97.47570	34.43860	21.61000	1.3295	21.538	-0.036050	-1.7842	21.085E-6
100.04085	34.43860	21.61000	1.2872	21.538	-0.033214	-1.6892	19.997E-6
102.60600	34.43860	21.61000	1.2421	21.538	-0.029866	-1.5775	18.718E-6
105.17115	34.43860	21.61000	1.1940	21.538	-0.026276	-1.4556	17.319E-6
107.73630	34.43860	21.61000	1.1431	21.538	-0.022704	-1.3299	15.873E-6
110.30145	34.43860	21.61000	1.0897	21.538	-0.019346	-1.2058	14.440E-6
112.86660	34.43860	21.61000	1.0342	21.538	-0.016320	-1.0874	13.063E-6
115.43175	34.43860	21.61000	0.97744	21.538	-0.013673	-0.97684	11.773E-6
117.99690	34.43860	21.61000	0.92022	21.538	-0.011404	-0.87554	10.584E-6
120.56205	34.43860	21.61000	0.86343	21.538	-0.0094872	-0.78382	9.5025E-6
123.12720	34.43860	21.61000	0.80781	21.538	-0.0078839	-0.70147	8.5271E-6
125.69235	34.43860	21.61000	0.75400	21.538	-0.0065515	-0.62798	7.6529E-6
128.25750	34.43860	21.61000	0.70247	21.538	-0.0054491	-0.56266	6.8727E-6
130.82265	34.43860	21.61000	0.65355	21.538	-0.0045392	-0.50473	6.1783E-6
133.38780	34.43860	21.61000	0.60743	21.538	-0.0037892	-0.45345	5.5614E-6
135.95295	34.43860	21.61000	0.56419	21.538	-0.0031711	-0.40806	5.0138E-6
138.51810	34.43860	21.61000	0.52386	21.538	-0.0026612	-0.36790	4.5278E-6
141.08325	34.43860	21.61000	0.48637	21.538	-0.0022402	-0.33233	4.0963E-6

143.64840	34.43860	21.61000	0.45163	21.538	-0.0018918	-0.30081	3.7129E-6
146.21355	34.43860	21.61000	0.41950	21.538	-0.0016028	-0.27284	3.3719E-6
148.77870	34.43860	21.61000	0.38984	21.538	-0.0013626	-0.24798	3.0682E-6
151.34385	34.43860	21.61000	0.36249	21.538	-0.0011623	-0.22586	2.7974E-6
153.90900	34.43860	21.61000	0.33729	21.538	-994.81E-6	-0.20613	2.5556E-6 !
0.00000	36.89850	21.61000	0.36602	21.538	-441.98E-6	-0.14631	1.8239E-6
2.56515	36.89850	21.61000	0.39420	21.538	-503.05E-6	-0.15862	1.9765E-6
5.13030	36.89850	21.61000	0.42489	21.538	-573.79E-6	-0.17225	2.1452E-6
7.69545	36.89850	21.61000	0.45828	21.538	-655.87E-6	-0.18736	2.3322E-6
10.26060	36.89850	21.61000	0.49456	21.538	-751.25E-6	-0.20413	2.5397E-6
12.82575	36.89850	21.61000	0.53392	21.538	-862.23E-6	-0.22279	2.7702E-6
15.39090	36.89850	21.61000	0.57650	21.538	-991.43E-6	-0.24357	3.0267E-6
17.95605	36.89850	21.61000	0.62240	21.538	-0.0011418	-0.26673	3.3124E-6
20.52120	36.89850	21.61000	0.67166	21.538	-0.0013166	-0.29258	3.6310E-6
23.08635	36.89850	21.61000	0.72417	21.538	-0.0015189	-0.32144	3.9864E-6
25.65150	36.89850	21.61000	0.77971	21.538	-0.0017513	-0.35365	4.3828E-6
28.21665	36.89850	21.61000	0.83781	21.538	-0.0020145	-0.38956	4.8247E-6
30.78180	36.89850	21.61000	0.89774	21.538	-0.0023050	-0.42949	5.3161E-6
33.34695	36.89850	21.61000	0.95843	21.538	-0.0026111	-0.47370	5.8607E-6
35.91210	36.89850	21.61000	1.0185	21.538	-0.0029062	-0.52228	6.4607E-6
38.47725	36.89850	21.61000	1.0761	21.538	-0.0031398	-0.57512	7.1166E-6
41.04240	36.89850	21.61000	1.1294	21.538	-0.0032309	-0.63182	7.8265E-6
43.60755	36.89850	21.61000	1.1769	21.538	-0.0030763	-0.69175	8.5863E-6
46.17270	36.89850	21.61000	1.2179	21.538	-0.0025994	-0.75435	9.3917E-6
48.73785	36.89850	21.61000	1.2533	21.538	-0.0018493	-0.81960	10.241E-6
51.30300	36.89850	21.61000	1.2856	21.538	-0.0010897	-0.88856	11.137E-6
53.86815	36.89850	21.61000	1.3174	21.538	-750.65E-6	-0.96325	12.090E-6
56.43330	36.89850	21.61000	1.3508	21.538	-0.0012351	-1.0458	13.110E-6
58.99845	36.89850	21.61000	1.3859	21.538	-0.0027702	-1.1378	14.209E-6
61.56360	36.89850	21.61000	1.4214	21.538	-0.0054289	-1.2398	15.392E-6
64.12875	36.89850	21.61000	1.4552	21.538	-0.0092300	-1.3521	16.662E-6
66.69390	36.89850	21.61000	1.4854	21.538	-0.014178	-1.4750	18.020E-6
69.25905	36.89850	21.61000	1.5100	21.538	-0.020200	-1.6078	19.464E-6
71.82420	36.89850	21.61000	1.5275	21.538	-0.027037	-1.7482	20.973E-6
74.38935	36.89850	21.61000	1.5371	21.538	-0.034196	-1.8919	22.510E-6
76.95450	36.89850	21.61000	1.5385	21.538	-0.041065	-2.0322	24.016E-6
79.51965	36.89850	21.61000	1.5324	21.538	-0.047170	-2.1622	25.421E-6
82.08480	36.89850	21.61000	1.5199	21.538	-0.052309	-2.2750	26.646E-6
84.64995	36.89850	21.61000	1.5023	21.538	-0.056402	-2.3638	27.608E-6
87.21510	36.89850	21.61000	1.4809	21.538	-0.059283	-2.4215	28.225E-6
89.78025	36.89850	21.61000	1.4560	21.538	-0.060707	-2.4418	28.427E-6
92.34540	36.89850	21.61000	1.4278	21.538	-0.060479	-2.4206	28.169E-6
94.91055	36.89850	21.61000	1.3968	21.538	-0.058533	-2.3570	27.442E-6
97.47570	36.89850	21.61000	1.3631	21.538	-0.054948	-2.2536	26.276E-6
100.04085	36.89850	21.61000	1.3269	21.538	-0.049987	-2.1165	24.740E-6
102.60600	36.89850	21.61000	1.2877	21.538	-0.044114	-1.9554	22.934E-6
105.17115	36.89850	21.61000	1.2449	21.538	-0.037914	-1.7814	20.979E-6
107.73630	36.89850	21.61000	1.1978	21.538	-0.031925	-1.6052	18.989E-6

110.30145	36.89850	21.61000	1.1462	21.538	-0.026505	-1.4353	17.056E-6
112.86660	36.89850	21.61000	1.0909	21.538	-0.021810	-1.2769	15.240E-6
115.43175	36.89850	21.61000	1.0326	21.538	-0.017856	-1.1327	13.575E-6
117.99690	36.89850	21.61000	0.97275	21.538	-0.014583	-1.0034	12.073E-6
120.56205	36.89850	21.61000	0.91252	21.538	-0.011902	-0.88876	10.732E-6
123.12720	36.89850	21.61000	0.85306	21.538	-0.0097198	-0.78769	9.5424E-6
125.69235	36.89850	21.61000	0.79524	21.538	-0.0079502	-0.69896	8.4929E-6
128.25750	36.89850	21.61000	0.73975	21.538	-0.0065177	-0.62123	7.5692E-6
130.82265	36.89850	21.61000	0.68703	21.538	-0.0053586	-0.55322	6.7574E-6
133.38780	36.89850	21.61000	0.63735	21.538	-0.0044200	-0.49372	6.0443E-6
135.95295	36.89850	21.61000	0.59085	21.538	-0.0036589	-0.44163	5.4177E-6
138.51810	36.89850	21.61000	0.54756	21.538	-0.0030403	-0.39598	4.8667E-6
141.08325	36.89850	21.61000	0.50740	21.538	-0.0025361	-0.35591	4.3817E-6
143.64840	36.89850	21.61000	0.47027	21.538	-0.0021240	-0.32068	3.9541E-6
146.21355	36.89850	21.61000	0.43602	21.538	-0.0017860	-0.28965	3.5764E-6
148.77870	36.89850	21.61000	0.40449	21.538	-0.0015078	-0.26226	3.2423E-6
151.34385	36.89850	21.61000	0.37548	21.538	-0.0012780	-0.23802	2.9461E-6
153.90900	36.89850	21.61000	0.34882	21.538	-0.0010875	-0.21653	2.6830E-6 !
0.00000	39.35840	21.61000	0.37842	21.538	-476.52E-6	-0.15254	1.9010E-6
2.56515	39.35840	21.61000	0.40820	21.538	-544.53E-6	-0.16577	2.0649E-6
5.13030	39.35840	21.61000	0.44071	21.538	-623.74E-6	-0.18047	2.2468E-6
7.69545	39.35840	21.61000	0.47617	21.538	-716.20E-6	-0.19685	2.4493E-6
10.26060	39.35840	21.61000	0.51480	21.538	-824.34E-6	-0.21512	2.6751E-6
12.82575	39.35840	21.61000	0.55679	21.538	-951.03E-6	-0.23554	2.9272E-6
15.39090	39.35840	21.61000	0.60234	21.538	-0.0010996	-0.25841	3.2094E-6
17.95605	39.35840	21.61000	0.65153	21.538	-0.0012740	-0.28408	3.5256E-6
20.52120	39.35840	21.61000	0.70439	21.538	-0.0014784	-0.31292	3.8807E-6
23.08635	39.35840	21.61000	0.76078	21.538	-0.0017171	-0.34537	4.2799E-6
25.65150	39.35840	21.61000	0.82037	21.538	-0.0019937	-0.38190	4.7291E-6
28.21665	39.35840	21.61000	0.88250	21.538	-0.0023090	-0.42301	5.2344E-6
30.78180	39.35840	21.61000	0.94611	21.538	-0.0026568	-0.46919	5.8023E-6
33.34695	39.35840	21.61000	1.0096	21.538	-0.0030156	-0.52084	6.4384E-6
35.91210	39.35840	21.61000	1.0708	21.538	-0.0033314	-0.57811	7.1470E-6
38.47725	39.35840	21.61000	1.1268	21.538	-0.0034891	-0.64079	7.9296E-6
41.04240	39.35840	21.61000	1.1743	21.538	-0.0032702	-0.70800	8.7833E-6
43.60755	39.35840	21.61000	1.2101	21.538	-0.0023257	-0.77817	9.7017E-6
46.17270	39.35840	21.61000	1.2329	21.538	-259.10E-6	-0.84947	10.677E-6
48.73785	39.35840	21.61000	1.2448	21.538	0.0030394	-0.92110	11.702E-6
51.30300	39.35840	21.61000	1.2519	21.538	0.0069197	-0.99503	12.779E-6
53.86815	39.35840	21.61000	1.2621	21.538	0.010034	-1.0762	13.918E-6
56.43330	39.35840	21.61000	1.2801	21.538	0.0111193	-1.1701	15.143E-6
58.99845	39.35840	21.61000	1.3065	21.538	0.0099704	-1.2798	16.476E-6
61.56360	39.35840	21.61000	1.3386	21.538	0.0064295	-1.4061	17.932E-6
64.12875	39.35840	21.61000	1.3726	21.538	616.83E-6	-1.5498	19.520E-6
66.69390	39.35840	21.61000	1.4049	21.538	-0.0076139	-1.7125	21.256E-6
69.25905	39.35840	21.61000	1.4323	21.538	-0.018381	-1.8955	23.152E-6
71.82420	39.35840	21.61000	1.4525	21.538	-0.031339	-2.0972	25.200E-6
74.38935	39.35840	21.61000	1.4639	21.538	-0.045373	-2.3104	27.353E-6

76.95450	39.35840	21.61000	1.4662	21.538	-0.058838	-2.5233	29.523E-6
79.51965	39.35840	21.61000	1.4602	21.538	-0.070553	-2.7238	31.603E-6
82.08480	39.35840	21.61000	1.4487	21.538	-0.080452	-2.9020	33.471E-6
84.64995	39.35840	21.61000	1.4344	21.538	-0.088779	-3.0479	34.992E-6
87.21510	39.35840	21.61000	1.4192	21.538	-0.095108	-3.1486	36.021E-6
89.78025	39.35840	21.61000	1.4032	21.538	-0.098633	-3.1917	36.430E-6
92.34540	39.35840	21.61000	1.3857	21.538	-0.098854	-3.1696	36.143E-6
94.91055	39.35840	21.61000	1.3667	21.538	-0.095645	-3.0803	35.141E-6
97.47570	39.35840	21.61000	1.3467	21.538	-0.089111	-2.9274	33.464E-6
100.04085	39.35840	21.61000	1.3254	21.538	-0.079723	-2.7211	31.223E-6
102.60600	39.35840	21.61000	1.3016	21.538	-0.068525	-2.4781	28.588E-6
105.17115	39.35840	21.61000	1.2729	21.538	-0.056955	-2.2193	25.770E-6
107.73630	39.35840	21.61000	1.2370	21.538	-0.046262	-1.9640	22.961E-6
110.30145	39.35840	21.61000	1.1930	21.538	-0.037101	-1.7253	20.304E-6
112.86660	39.35840	21.61000	1.1417	21.538	-0.029589	-1.5099	17.878E-6
115.43175	39.35840	21.61000	1.0845	21.538	-0.023564	-1.3196	15.711E-6
117.99690	39.35840	21.61000	1.0235	21.538	-0.018782	-1.1535	13.802E-6
120.56205	39.35840	21.61000	0.96079	21.538	-0.015001	-1.0096	12.134E-6
123.12720	39.35840	21.61000	0.89796	21.538	-0.012017	-0.88526	10.683E-6
125.69235	39.35840	21.61000	0.83638	21.538	-0.0096605	-0.77807	9.4236E-6
128.25750	39.35840	21.61000	0.77701	21.538	-0.0077980	-0.68565	8.3312E-6
130.82265	39.35840	21.61000	0.72051	21.538	-0.0063222	-0.60590	7.3837E-6
133.38780	39.35840	21.61000	0.66726	21.538	-0.0051496	-0.53699	6.5610E-6
135.95295	39.35840	21.61000	0.61746	21.538	-0.0042145	-0.47733	5.8458E-6
138.51810	39.35840	21.61000	0.57116	21.538	-0.0034661	-0.42557	5.2229E-6
141.08325	39.35840	21.61000	0.52830	21.538	-0.0028644	-0.38055	4.6793E-6
143.64840	39.35840	21.61000	0.48876	21.538	-0.0023787	-0.34129	4.2037E-6
146.21355	39.35840	21.61000	0.45237	21.538	-0.0019848	-0.30697	3.7868E-6
148.77870	39.35840	21.61000	0.41894	21.538	-0.0016640	-0.27687	3.4203E-6
151.34385	39.35840	21.61000	0.38827	21.538	-0.0014014	-0.25040	3.0972E-6
153.90900	39.35840	21.61000	0.36014	21.538	-0.0011855	-0.22707	2.8118E-6 !
0.00000	41.81830	21.61000	0.39055	21.538	-513.26E-6	-0.15886	1.9791E-6
2.56515	41.81830	21.61000	0.42193	21.538	-588.91E-6	-0.17305	2.1548E-6
5.13030	41.81830	21.61000	0.45626	21.538	-677.53E-6	-0.18888	2.3506E-6
7.69545	41.81830	21.61000	0.49380	21.538	-781.62E-6	-0.20660	2.5695E-6
10.26060	41.81830	21.61000	0.53478	21.538	-904.17E-6	-0.22645	2.8147E-6
12.82575	41.81830	21.61000	0.57943	21.538	-0.0010488	-0.24877	3.0900E-6
15.39090	41.81830	21.61000	0.62795	21.538	-0.0012198	-0.27392	3.3999E-6
17.95605	41.81830	21.61000	0.68046	21.538	-0.0014222	-0.30232	3.7495E-6
20.52120	41.81830	21.61000	0.73693	21.538	-0.0016619	-0.33447	4.1450E-6
23.08635	41.81830	21.61000	0.79719	21.538	-0.0019449	-0.37095	4.5932E-6
25.65150	41.81830	21.61000	0.86075	21.538	-0.0022767	-0.41240	5.1022E-6
28.21665	41.81830	21.61000	0.92671	21.538	-0.0026592	-0.45956	5.6809E-6
30.78180	41.81830	21.61000	0.99356	21.538	-0.0030843	-0.51315	6.3391E-6
33.34695	41.81830	21.61000	1.0590	21.538	-0.0035180	-0.57386	7.0864E-6
35.91210	41.81830	21.61000	1.1194	21.538	-0.0038640	-0.64205	7.9312E-6
38.47725	41.81830	21.61000	1.1701	21.538	-0.0038846	-0.71740	8.8784E-6
41.04240	41.81830	21.61000	1.2048	21.538	-0.0030400	-0.79827	9.9276E-6

43.60755	41.81830	21.61000	1.2167	21.538	-239.27E-6	-0.88104	11.075E-6
46.17270	41.81830	21.61000	1.2012	21.538	0.0062578	-0.96037	12.318E-6
48.73785	41.81830	21.61000	1.1612	21.538	0.017864	-1.0320	13.657E-6
51.30300	41.81830	21.61000	1.1124	21.538	0.032972	-1.0986	15.064E-6
53.86815	41.81830	21.61000	1.0756	21.538	0.046252	-1.1729	16.500E-6
56.43330	41.81830	21.61000	1.0627	21.538	0.053417	-1.2702	17.996E-6
58.99845	41.81830	21.61000	1.0726	21.538	0.054149	-1.3968	19.615E-6
61.56360	41.81830	21.61000	1.0984	21.538	0.049755	-1.5513	21.393E-6
64.12875	41.81830	21.61000	1.1325	21.538	0.040776	-1.7341	23.354E-6
66.69390	41.81830	21.61000	1.1681	21.538	0.026428	-1.9505	25.535E-6
69.25905	41.81830	21.61000	1.2004	21.538	0.0054658	-2.2087	27.993E-6
71.82420	41.81830	21.61000	1.2256	21.538	-0.022108	-2.5109	30.753E-6
74.38935	41.81830	21.61000	1.2406	21.538	-0.053677	-2.8457	33.773E-6
76.95450	41.81830	21.61000	1.2439	21.538	-0.083767	-3.1871	36.933E-6
79.51965	41.81830	21.61000	1.2373	21.538	-0.10835	-3.5103	40.070E-6
82.08480	41.81830	21.61000	1.2266	21.538	-0.12915	-3.8048	42.991E-6
84.64995	41.81830	21.61000	1.2190	21.538	-0.14874	-4.0591	45.450E-6
87.21510	41.81830	21.61000	1.2183	21.538	-0.16507	-4.2453	47.176E-6
89.78025	41.81830	21.61000	1.2225	21.538	-0.17470	-4.3354	47.947E-6
92.34540	41.81830	21.61000	1.2276	21.538	-0.17663	-4.3165	47.637E-6
94.91055	41.81830	21.61000	1.2330	21.538	-0.17110	-4.1866	46.211E-6
97.47570	41.81830	21.61000	1.2405	21.538	-0.15817	-3.9498	43.720E-6
100.04085	41.81830	21.61000	1.2507	21.538	-0.13839	-3.6210	40.330E-6
102.60600	41.81830	21.61000	1.2600	21.538	-0.11432	-3.2320	36.344E-6
105.17115	41.81830	21.61000	1.2620	21.538	-0.090224	-2.8257	32.143E-6
107.73630	41.81830	21.61000	1.2508	21.538	-0.069485	-2.4399	28.072E-6
110.30145	41.81830	21.61000	1.2241	21.538	-0.053151	-2.0952	24.351E-6
112.86660	41.81830	21.61000	1.1831	21.538	-0.040744	-1.7971	21.071E-6
115.43175	41.81830	21.61000	1.1309	21.538	-0.031395	-1.5435	18.233E-6
117.99690	41.81830	21.61000	1.0712	21.538	-0.024332	-1.3290	15.801E-6
120.56205	41.81830	21.61000	1.0072	21.538	-0.018971	-1.1480	13.726E-6
123.12720	41.81830	21.61000	0.94179	21.538	-0.014879	-0.99505	11.956E-6
125.69235	41.81830	21.61000	0.87684	21.538	-0.011741	-0.86568	10.447E-6
128.25750	41.81830	21.61000	0.81381	21.538	-0.0093221	-0.75597	9.1585E-6
130.82265	41.81830	21.61000	0.75362	21.538	-0.0074474	-0.66269	8.0556E-6
133.38780	41.81830	21.61000	0.69684	21.538	-0.0059867	-0.58311	7.1096E-6
135.95295	41.81830	21.61000	0.64375	21.538	-0.0048422	-0.51500	6.2960E-6
138.51810	41.81830	21.61000	0.59444	21.538	-0.0039403	-0.45650	5.5942E-6
141.08325	41.81830	21.61000	0.54888	21.538	-0.0032254	-0.40609	4.9870E-6
143.64840	41.81830	21.61000	0.50692	21.538	-0.0026556	-0.36250	4.4600E-6
146.21355	41.81830	21.61000	0.46839	21.538	-0.0021987	-0.32466	4.0013E-6
148.77870	41.81830	21.61000	0.43308	21.538	-0.0018303	-0.29170	3.6006E-6
151.34385	41.81830	21.61000	0.40075	21.538	-0.0015316	-0.26290	3.2495E-6
153.90900	41.81830	21.61000	0.37117	21.538	-0.0012881	-0.23765	2.9410E-6 !
0.00000	44.27820	21.61000	0.40232	21.538	-552.20E-6	-0.16523	2.0578E-6
2.56515	44.27820	21.61000	0.43528	21.538	-636.25E-6	-0.18042	2.2457E-6
5.13030	44.27820	21.61000	0.47141	21.538	-735.29E-6	-0.19744	2.4560E-6
7.69545	44.27820	21.61000	0.51100	21.538	-852.35E-6	-0.21656	2.6921E-6

10.26060	44.27820	21.61000	0.55432	21.538	-991.15E-6	-0.23810	2.9579E-6
12.82575	44.27820	21.61000	0.60162	21.538	-0.0011562	-0.26244	3.2579E-6
15.39090	44.27820	21.61000	0.65310	21.538	-0.0013530	-0.29003	3.5976E-6
17.95605	44.27820	21.61000	0.70890	21.538	-0.0015882	-0.32140	3.9834E-6
20.52120	44.27820	21.61000	0.76897	21.538	-0.0018698	-0.35719	4.4230E-6
23.08635	44.27820	21.61000	0.83303	21.538	-0.0022065	-0.39815	4.9255E-6
25.65150	44.27820	21.61000	0.90044	21.538	-0.0026074	-0.44518	5.5020E-6
28.21665	44.27820	21.61000	0.96997	21.538	-0.0030780	-0.49931	6.1652E-6
30.78180	44.27820	21.61000	1.0395	21.538	-0.0036113	-0.56169	6.9299E-6
33.34695	44.27820	21.61000	1.1057	21.538	-0.0041633	-0.63350	7.8124E-6
35.91210	44.27820	21.61000	1.1632	21.538	-0.0045860	-0.71563	8.8296E-6
38.47725	44.27820	21.61000	1.2041	21.538	-0.0044477	-0.80798	9.9966E-6
41.04240	44.27820	21.61000	1.2168	21.538	-0.0025528	-0.90806	11.327E-6
43.60755	44.27820	21.61000	1.1860	21.538	0.0042419	-1.0087	12.850E-6
46.17270	44.27820	21.61000	1.0952	21.538	0.023137	-1.0966	14.668E-6
48.73785	44.27820	21.61000	0.94125	21.538	0.064760	-1.1570	17.000E-6
51.30300	44.27820	21.61000	0.76283	21.538	0.12738	-1.1853	19.718E-6
53.86815	44.27820	21.61000	0.62646	21.538	0.18285	-1.2091	22.112E-6
56.43330	44.27820	21.61000	0.55718	21.538	0.21158	-1.2817	24.109E-6
58.99845	44.27820	21.61000	0.54171	21.538	0.21917	-1.4161	26.087E-6
61.56360	44.27820	21.61000	0.56046	21.538	0.21481	-1.5982	28.213E-6
64.12875	44.27820	21.61000	0.59757	21.538	0.20140	-1.8228	30.532E-6
66.69390	44.27820	21.61000	0.64141	21.538	0.17515	-2.1059	33.103E-6
69.25905	44.27820	21.61000	0.68420	21.538	0.12873	-2.4774	36.024E-6
71.82420	44.27820	21.61000	0.72115	21.538	0.059740	-2.9552	39.431E-6
74.38935	44.27820	21.61000	0.74578	21.538	-0.027310	-3.5254	43.320E-6
76.95450	44.27820	21.61000	0.75091	21.538	-0.11008	-4.1195	47.670E-6
79.51965	44.27820	21.61000	0.73941	21.538	-0.16690	-4.6664	52.405E-6
82.08480	44.27820	21.61000	0.72506	21.538	-0.21464	-5.1795	57.059E-6
84.64995	44.27820	21.61000	0.72885	21.538	-0.27269	-5.6636	60.957E-6
87.21510	44.27820	21.61000	0.76163	21.538	-0.32523	-6.0351	63.648E-6
89.78025	44.27820	21.61000	0.81177	21.538	-0.35394	-6.2196	64.886E-6
92.34540	44.27820	21.61000	0.86252	21.538	-0.36088	-6.2100	64.502E-6
94.91055	44.27820	21.61000	0.91289	21.538	-0.35079	-6.0126	62.401E-6
97.47570	44.27820	21.61000	0.97185	21.538	-0.32263	-5.6256	58.594E-6
100.04085	44.27820	21.61000	1.0441	21.538	-0.27437	-5.0620	53.325E-6
102.60600	44.27820	21.61000	1.1218	21.538	-0.21249	-4.3839	47.131E-6
105.17115	44.27820	21.61000	1.1872	21.538	-0.15356	-3.6963	40.705E-6
107.73630	44.27820	21.61000	1.2253	21.538	-0.10878	-3.0823	34.671E-6
110.30145	44.27820	21.61000	1.2319	21.538	-0.077914	-2.5694	29.383E-6
112.86660	44.27820	21.61000	1.2110	21.538	-0.056841	-2.1509	24.914E-6
115.43175	44.27820	21.61000	1.1694	21.538	-0.042142	-1.8107	21.188E-6
117.99690	44.27820	21.61000	1.1141	21.538	-0.031653	-1.5331	18.092E-6
120.56205	44.27820	21.61000	1.0508	21.538	-0.024033	-1.3054	15.515E-6
123.12720	44.27820	21.61000	0.98379	21.538	-0.018425	-1.1176	13.364E-6
125.69235	44.27820	21.61000	0.91604	21.538	-0.014253	-0.96185	11.562E-6
128.25750	44.27820	21.61000	0.84966	21.538	-0.011121	-0.83206	10.048E-6
130.82265	44.27820	21.61000	0.78596	21.538	-0.0087489	-0.72333	8.7695E-6

133.38780	44.27820	21.61000	0.72575	21.538	-0.0069378	-0.63180	7.6862E-6
135.95295	44.27820	21.61000	0.66943	21.538	-0.0055439	-0.55435	6.7646E-6
138.51810	44.27820	21.61000	0.61716	21.538	-0.0044629	-0.48853	5.9773E-6
141.08325	44.27820	21.61000	0.56892	21.538	-0.0036182	-0.43232	5.3021E-6
143.64840	44.27820	21.61000	0.52458	21.538	-0.0029532	-0.38410	4.7206E-6
146.21355	44.27820	21.61000	0.48394	21.538	-0.0024262	-0.34256	4.2179E-6
148.77870	44.27820	21.61000	0.44677	21.538	-0.0020055	-0.30662	3.7816E-6
151.34385	44.27820	21.61000	0.41281	21.538	-0.0016676	-0.27540	3.4016E-6
153.90900	44.27820	21.61000	0.38180	21.538	-0.0013945	-0.24817	3.0694E-6 !
0.00000	46.73810	21.61000	0.41363	21.538	-593.31E-6	-0.17162	2.1366E-6
2.56515	46.73810	21.61000	0.44813	21.538	-686.54E-6	-0.18784	2.3371E-6
5.13030	46.73810	21.61000	0.48602	21.538	-797.08E-6	-0.20608	2.5624E-6
7.69545	46.73810	21.61000	0.52762	21.538	-928.58E-6	-0.22667	2.8165E-6
10.26060	46.73810	21.61000	0.57323	21.538	-0.0010856	-0.24999	3.1039E-6
12.82575	46.73810	21.61000	0.62312	21.538	-0.0012738	-0.27647	3.4300E-6
15.39090	46.73810	21.61000	0.67753	21.538	-0.0015002	-0.30667	3.8014E-6
17.95605	46.73810	21.61000	0.73655	21.538	-0.0017735	-0.34125	4.2260E-6
20.52120	46.73810	21.61000	0.80014	21.538	-0.0021045	-0.38099	4.7135E-6
23.08635	46.73810	21.61000	0.86790	21.538	-0.0025062	-0.42689	5.2758E-6
25.65150	46.73810	21.61000	0.93899	21.538	-0.0029932	-0.48016	5.9275E-6
28.21665	46.73810	21.61000	1.0118	21.538	-0.0035788	-0.54226	6.6866E-6
30.78180	46.73810	21.61000	1.0835	21.538	-0.0042651	-0.61497	7.5755E-6
33.34695	46.73810	21.61000	1.1493	21.538	-0.0050114	-0.70034	8.6212E-6
35.91210	46.73810	21.61000	1.2017	21.538	-0.0056349	-0.80039	9.8564E-6
38.47725	46.73810	21.61000	1.2281	21.538	-0.0054871	-0.91630	11.320E-6
41.04240	46.73810	21.61000	1.2085	21.538	-0.0023439	-1.0459	13.070E-6
43.60755	46.73810	21.61000	1.1103	21.538	0.011549	-1.1787	15.264E-6
46.17270	46.73810	21.61000	0.88152	21.538	0.062896	-1.2925	18.634E-6
48.73785	46.73810	21.61000	0.45669	21.538	0.22420	-1.4038	26.121E-6
51.30300	46.73810	21.61000	-0.087099	21.538	0.53977	-1.5127	39.402E-6
53.86815	46.73810	21.61000	-0.44208	21.538	0.80549	-1.3655	47.578E-6
56.43330	46.73810	21.61000	-0.59547	21.538	0.91183	-1.3032	50.807E-6
58.99845	46.73810	21.61000	-0.63474	21.538	0.93934	-1.3920	52.963E-6
61.56360	46.73810	21.61000	-0.61132	21.538	0.93954	-1.5613	55.100E-6
64.12875	46.73810	21.61000	-0.55523	21.538	0.92431	-1.7841	57.328E-6
66.69390	46.73810	21.61000	-0.48607	21.538	0.87602	-2.1023	59.508E-6
69.25905	46.73810	21.61000	-0.41596	21.538	0.74686	-2.6208	61.156E-6
71.82420	46.73810	21.61000	-0.34328	21.538	0.53621	-3.3932	62.923E-6
74.38935	46.73810	21.61000	-0.27774	21.538	0.22280	-4.4379	64.237E-6
76.95450	46.73810	21.61000	-0.26476	21.538	-0.092378	-5.6037	67.009E-6
79.51965	46.73810	21.61000	-0.29613	21.538	-0.22730	-6.5610	73.960E-6
82.08480	46.73810	21.61000	-0.34273	21.538	-0.33660	-7.5192	81.889E-6
84.64995	46.73810	21.61000	-0.32474	21.538	-0.57966	-8.5811	86.075E-6
87.21510	46.73810	21.61000	-0.19939	21.538	-0.80115	-9.3719	87.664E-6
89.78025	46.73810	21.61000	-0.026963	21.538	-0.88751	-9.6871	88.370E-6
92.34540	46.73810	21.61000	0.11636	21.538	-0.90413	-9.6718	87.550E-6
94.91055	46.73810	21.61000	0.24330	21.538	-0.88516	-9.3589	84.330E-6
97.47570	46.73810	21.61000	0.39346	21.538	-0.81882	-8.6936	78.464E-6

100.04085	46.73810	21.61000	0.58886	21.538	-0.67639	-7.6320	70.484E-6
102.60600	46.73810	21.61000	0.81237	21.538	-0.46831	-6.2912	61.471E-6
105.17115	46.73810	21.61000	1.0102	21.538	-0.28699	-4.9958	52.017E-6
107.73630	46.73810	21.61000	1.1431	21.538	-0.17749	-3.9583	43.098E-6
110.30145	46.73810	21.61000	1.2087	21.538	-0.11633	-3.1758	35.562E-6
112.86660	46.73810	21.61000	1.2215	21.538	-0.080007	-2.5833	29.479E-6
115.43175	46.73810	21.61000	1.1979	21.538	-0.056813	-2.1264	24.606E-6
117.99690	46.73810	21.61000	1.1511	21.538	-0.041236	-1.7678	20.683E-6
120.56205	46.73810	21.61000	1.0906	21.538	-0.030431	-1.4824	17.501E-6
123.12720	46.73810	21.61000	1.0232	21.538	-0.022772	-1.2528	14.901E-6
125.69235	46.73810	21.61000	0.95338	21.538	-0.017252	-1.0662	12.762E-6
128.25750	46.73810	21.61000	0.88406	21.538	-0.013219	-0.91344	10.992E-6
130.82265	46.73810	21.61000	0.81711	21.538	-0.010236	-0.78736	9.5189E-6
133.38780	46.73810	21.61000	0.75363	21.538	-0.0080050	-0.68261	8.2852E-6
135.95295	46.73810	21.61000	0.69420	21.538	-0.0063187	-0.59500	7.2468E-6
138.51810	46.73810	21.61000	0.63905	21.538	-0.0050317	-0.52130	6.3681E-6
141.08325	46.73810	21.61000	0.58821	21.538	-0.0040401	-0.45893	5.6209E-6
143.64840	46.73810	21.61000	0.54155	21.538	-0.0032693	-0.40586	4.9823E-6
146.21355	46.73810	21.61000	0.49885	21.538	-0.0026652	-0.36046	4.4341E-6
148.77870	46.73810	21.61000	0.45987	21.538	-0.0021880	-0.32145	3.9613E-6
151.34385	46.73810	21.61000	0.42432	21.538	-0.0018081	-0.28775	3.5517E-6
153.90900	46.73810	21.61000	0.39193	21.538	-0.0015035	-0.25852	3.1955E-6 !
0.00000	49.19800	21.61000	0.42436	21.538	-636.52E-6	-0.17797	2.2149E-6
2.56515	49.19800	21.61000	0.46034	21.538	-739.76E-6	-0.19525	2.4283E-6
5.13030	49.19800	21.61000	0.49994	21.538	-862.92E-6	-0.21476	2.6692E-6
7.69545	49.19800	21.61000	0.54348	21.538	-0.0010104	-0.23688	2.9419E-6
10.26060	49.19800	21.61000	0.59131	21.538	-0.0011878	-0.26204	3.2517E-6
12.82575	49.19800	21.61000	0.64372	21.538	-0.0014021	-0.29078	3.6051E-6
15.39090	49.19800	21.61000	0.70095	21.538	-0.0016622	-0.32374	4.0100E-6
17.95605	49.19800	21.61000	0.76311	21.538	-0.0019794	-0.36173	4.4759E-6
20.52120	49.19800	21.61000	0.83009	21.538	-0.0023684	-0.40573	5.0148E-6
23.08635	49.19800	21.61000	0.90141	21.538	-0.0028477	-0.45701	5.6418E-6
25.65150	49.19800	21.61000	0.97599	21.538	-0.0034404	-0.51716	6.3761E-6
28.21665	49.19800	21.61000	1.0518	21.538	-0.0041735	-0.58823	7.2425E-6
30.78180	49.19800	21.61000	1.1251	21.538	-0.0050708	-0.67286	8.2733E-6
33.34695	49.19800	21.61000	1.1898	21.538	-0.0061245	-0.77448	9.5119E-6
35.91210	49.19800	21.61000	1.2353	21.538	-0.0071868	-0.89730	11.017E-6
38.47725	49.19800	21.61000	1.2437	21.538	-0.0075452	-1.0459	12.873E-6
41.04240	49.19800	21.61000	1.1834	21.538	-0.0041211	-1.2230	15.230E-6
43.60755	49.19800	21.61000	0.99550	21.538	0.017202	-1.4231	18.553E-6
46.17270	49.19800	21.61000	0.55258	21.538	0.12899	-1.6438	25.547E-6
48.73785	49.19800	21.61000	-0.55377	21.538	0.70008	-3.0002	64.164E-6
51.30300	49.19800	21.61000	-4.0331	21.538	-99.366	-249.50	-611.40E-6
53.86815	49.19800	21.61000	-4.5390	21.538	-59.081	-169.64	-95.641E-6
56.43330	49.19800	21.61000	-4.3948	21.538	-5.2569	-73.885	731.09E-6
58.99845	49.19800	21.61000	-4.2357	21.538	2.3825	-38.928	579.63E-6
61.56360	49.19800	21.61000	-4.0263	21.538	3.5836	-25.069	450.62E-6
64.12875	49.19800	21.61000	-3.7948	21.538	3.9002	-18.044	374.20E-6

66.69390	49.19800	21.61000	-3.5618	21.538	3.9599	-13.990	325.44E-6
69.25905	49.19800	21.61000	-3.3457	21.538	3.6224	-11.803	285.19E-6
71.82420	49.19800	21.61000	-3.1041	21.538	3.0051	-10.903	250.57E-6
74.38935	49.19800	21.61000	-2.6134	21.538	1.6991	-8.0055	164.84E-6
76.95450	49.19800	21.61000	-2.5501	21.538	0.10381	-10.252	132.89E-6
79.51965	49.19800	21.61000	-2.6271	21.538	-0.071908	-11.779	145.47E-6
82.08480	49.19800	21.61000	-2.9788	21.538	-0.19126	-15.863	192.34E-6
84.64995	49.19800	21.61000	-2.9264	21.538	-1.5997	-17.957	165.53E-6
87.21510	49.19800	21.61000	-2.3814	21.538	-2.7451	-18.028	123.20E-6
89.78025	49.19800	21.61000	-1.7110	21.538	-2.9342	-17.018	103.35E-6
92.34540	49.19800	21.61000	-1.3841	21.538	-2.9501	-16.835	100.45E-6
94.91055	49.19800	21.61000	-1.1411	21.538	-2.9218	-16.328	95.145E-6
97.47570	49.19800	21.61000	-0.83630	21.538	-2.7678	-15.154	86.182E-6
100.04085	49.19800	21.61000	-0.38712	21.538	-2.2694	-12.942	77.161E-6
102.60600	49.19800	21.61000	0.18372	21.538	-1.3017	-9.7735	73.826E-6
105.17115	49.19800	21.61000	0.67716	21.538	-0.58607	-6.9792	65.681E-6
107.73630	49.19800	21.61000	0.98691	21.538	-0.29636	-5.1401	53.478E-6
110.30145	49.19800	21.61000	1.1483	21.538	-0.17481	-3.9381	42.944E-6
112.86660	49.19800	21.61000	1.2121	21.538	-0.11286	-3.1032	34.779E-6
115.43175	49.19800	21.61000	1.2150	21.538	-0.076594	-2.4938	28.481E-6
117.99690	49.19800	21.61000	1.1810	21.538	-0.053629	-2.0339	23.563E-6
120.56205	49.19800	21.61000	1.1258	21.538	-0.038413	-1.6788	19.670E-6
123.12720	49.19800	21.61000	1.0594	21.538	-0.028028	-1.3999	16.553E-6
125.69235	49.19800	21.61000	0.98826	21.538	-0.020781	-1.1779	14.034E-6
128.25750	49.19800	21.61000	0.91651	21.538	-0.015630	-0.99927	11.981E-6
130.82265	49.19800	21.61000	0.84663	21.538	-0.011910	-0.85402	10.294E-6
133.38780	49.19800	21.61000	0.78011	21.538	-0.0091844	-0.73490	8.8986E-6
135.95295	49.19800	21.61000	0.71773	21.538	-0.0071613	-0.63641	7.7359E-6
138.51810	49.19800	21.61000	0.65985	21.538	-0.0056414	-0.55438	6.7612E-6
141.08325	49.19800	21.61000	0.60652	21.538	-0.0044866	-0.48557	5.9392E-6
143.64840	49.19800	21.61000	0.55763	21.538	-0.0036001	-0.42748	5.2419E-6
146.21355	49.19800	21.61000	0.51296	21.538	-0.0029129	-0.37814	4.6472E-6
148.77870	49.19800	21.61000	0.47225	21.538	-0.0023752	-0.33600	4.1373E-6
151.34385	49.19800	21.61000	0.43519	21.538	-0.0019510	-0.29981	3.6980E-6
153.90900	49.19800	21.61000	0.40147	21.538	-0.0016135	-0.26858	3.3178E-6 !
0.00000	51.65790	21.61000	0.43443	21.538	-681.70E-6	-0.18426	2.2922E-6
2.56515	51.65790	21.61000	0.47181	21.538	-795.80E-6	-0.20261	2.5188E-6
5.13030	51.65790	21.61000	0.51302	21.538	-932.75E-6	-0.22342	2.7754E-6
7.69545	51.65790	21.61000	0.55842	21.538	-0.0010979	-0.24710	3.0672E-6
10.26060	51.65790	21.61000	0.60836	21.538	-0.0012979	-0.27418	3.4002E-6
12.82575	51.65790	21.61000	0.66317	21.538	-0.0015415	-0.30526	3.7820E-6
15.39090	51.65790	21.61000	0.72310	21.538	-0.0018398	-0.34111	4.2218E-6
17.95605	51.65790	21.61000	0.78824	21.538	-0.0022074	-0.38270	4.7311E-6
20.52120	51.65790	21.61000	0.85846	21.538	-0.0026635	-0.43123	5.3244E-6
23.08635	51.65790	21.61000	0.93315	21.538	-0.0032339	-0.48827	6.0205E-6
25.65150	51.65790	21.61000	1.0110	21.538	-0.0039535	-0.55588	6.8439E-6
28.21665	51.65790	21.61000	1.0895	21.538	-0.0048693	-0.63680	7.8273E-6
30.78180	51.65790	21.61000	1.1642	21.538	-0.0060426	-0.73482	9.0161E-6

33.34695	51.65790	21.61000	1.2273	21.538	-0.0075403	-0.85525	10.475E-6
35.91210	51.65790	21.61000	1.2653	21.538	-0.0093736	-1.0058	12.299E-6
38.47725	51.65790	21.61000	1.2544	21.538	-0.011178	-1.1977	14.645E-6
41.04240	51.65790	21.61000	1.1508	21.538	-0.010533	-1.4474	17.811E-6
43.60755	51.65790	21.61000	0.86689	21.538	0.0071129	-1.7803	22.665E-6
46.17270	51.65790	21.61000	0.19142	21.538	0.14196	-2.2876	34.136E-6
48.73785	51.65790	21.61000	-1.6943	21.538	1.1479	-5.8758	117.24E-6
51.30300	51.65790	21.61000	-7.3035	21.538	-102.51	-312.65	64.497E-6
53.86815	51.65790	21.61000	-8.6388	21.538	-99.647	-312.50	170.58E-6
56.43330	51.65790	21.61000	-9.1475	21.538	-99.215	-312.59	187.97E-6
58.99845	51.65790	21.61000	-9.3560	21.538	-99.207	-313.06	194.22E-6
61.56360	51.65790	21.61000	-9.4118	21.538	-99.240	-313.51	198.62E-6
64.12875	51.65790	21.61000	-9.3805	21.538	-99.245	-313.79	201.95E-6
66.69390	51.65790	21.61000	-9.2902	21.538	-99.123	-313.75	206.05E-6
69.25905	51.65790	21.61000	-9.1617	21.538	-98.842	-313.49	213.39E-6
71.82420	51.65790	21.61000	-9.0482	21.538	-99.202	-314.36	210.82E-6
74.38935	51.65790	21.61000	-9.0559	21.538	-102.97	-319.70	135.84E-6
76.95450	51.65790	21.61000	-9.1532	21.538	-107.87	-323.75	1.9113E-6
79.51965	51.65790	21.61000	-9.1435	21.538	-105.84	-317.00	-6.6966E-6
82.08480	51.65790	21.61000	-9.4644	21.538	-106.71	-328.06	99.616E-6
84.64995	51.65790	21.61000	-9.6460	21.538	-112.52	-335.05	-31.611E-6
87.21510	51.65790	21.61000	-8.7030	21.538	-116.88	-332.31	-230.60E-6
89.78025	51.65790	21.61000	-5.2260	21.538	-9.6191	-35.624	85.126E-6
92.34540	51.65790	21.61000	-4.6784	21.538	-9.6578	-34.535	69.962E-6
94.91055	51.65790	21.61000	-4.2570	21.538	-9.6288	-33.209	54.387E-6
97.47570	51.65790	21.61000	-3.6816	21.538	-9.3142	-30.781	35.706E-6
100.04085	51.65790	21.61000	-2.6890	21.538	-7.7935	-25.790	30.309E-6
102.60600	51.65790	21.61000	-1.0678	21.538	-3.6906	-16.401	67.043E-6
105.17115	51.65790	21.61000	0.14204	21.538	-1.1596	-9.8366	79.982E-6
107.73630	51.65790	21.61000	0.75146	21.538	-0.48320	-6.6555	65.490E-6
110.30145	51.65790	21.61000	1.0504	21.538	-0.26002	-4.8640	51.376E-6
112.86660	51.65790	21.61000	1.1826	21.538	-0.15840	-3.7127	40.728E-6
115.43175	51.65790	21.61000	1.2202	21.538	-0.10279	-2.9126	32.761E-6
117.99690	51.65790	21.61000	1.2034	21.538	-0.069377	-2.3299	26.693E-6
120.56205	51.65790	21.61000	1.1558	21.538	-0.048191	-1.8927	21.991E-6
123.12720	51.65790	21.61000	1.0917	21.538	-0.034266	-1.5572	18.297E-6
125.69235	51.65790	21.61000	1.0202	21.538	-0.024855	-1.2954	15.359E-6
128.25750	51.65790	21.61000	0.94653	21.538	-0.018348	-1.0883	12.998E-6
130.82265	51.65790	21.61000	0.87410	21.538	-0.013759	-0.92226	11.083E-6
133.38780	51.65790	21.61000	0.80482	21.538	-0.010464	-0.78783	9.5161E-6
135.95295	51.65790	21.61000	0.73972	21.538	-0.0080609	-0.67791	8.2240E-6
138.51810	51.65790	21.61000	0.67927	21.538	-0.0062834	-0.58723	7.1503E-6
141.08325	51.65790	21.61000	0.62360	21.538	-0.0049510	-0.51182	6.2519E-6
143.64840	51.65790	21.61000	0.57262	21.538	-0.0039403	-0.44863	5.4952E-6
146.21355	51.65790	21.61000	0.52610	21.538	-0.0031650	-0.39533	4.8538E-6
148.77870	51.65790	21.61000	0.48375	21.538	-0.0025642	-0.35007	4.3071E-6
151.34385	51.65790	21.61000	0.44527	21.538	-0.0020941	-0.31141	3.8385E-6
153.90900	51.65790	21.61000	0.41032	21.538	-0.0017229	-0.27820	3.4348E-6 !

0.00000	54.11780	21.61000	0.44371	21.538	-728.69E-6	-0.19041	2.3679E-6
2.56515	54.11780	21.61000	0.48241	21.538	-854.49E-6	-0.20985	2.6076E-6
5.13030	54.11780	21.61000	0.52513	21.538	-0.0010064	-0.23197	2.8802E-6
7.69545	54.11780	21.61000	0.57226	21.538	-0.0011909	-0.25726	3.1914E-6
10.26060	54.11780	21.61000	0.62418	21.538	-0.0014160	-0.28629	3.5481E-6
12.82575	54.11780	21.61000	0.68123	21.538	-0.0016923	-0.31979	3.9591E-6
15.39090	54.11780	21.61000	0.74369	21.538	-0.0020336	-0.35864	4.4350E-6
17.95605	54.11780	21.61000	0.81164	21.538	-0.0024584	-0.40398	4.9893E-6
20.52120	54.11780	21.61000	0.88489	21.538	-0.0029915	-0.45725	5.6394E-6
23.08635	54.11780	21.61000	0.96273	21.538	-0.0036673	-0.52038	6.4080E-6
25.65150	54.11780	21.61000	1.0436	21.538	-0.0045352	-0.59590	7.3254E-6
28.21665	54.11780	21.61000	1.1247	21.538	-0.0056680	-0.68737	8.4333E-6
30.78180	54.11780	21.61000	1.2005	21.538	-0.0071777	-0.79986	9.7915E-6
33.34695	54.11780	21.61000	1.2620	21.538	-0.0092445	-0.94103	11.489E-6
35.91210	54.11780	21.61000	1.2929	21.538	-0.012165	-1.1230	13.669E-6
38.47725	54.11780	21.61000	1.2641	21.538	-0.016417	-1.3667	16.574E-6
41.04240	54.11780	21.61000	1.1214	21.538	-0.022537	-1.7121	20.687E-6
43.60755	54.11780	21.61000	0.75431	21.538	-0.029071	-2.2510	27.221E-6
46.17270	54.11780	21.61000	-0.10265	21.538	-0.013344	-3.3076	41.107E-6
48.73785	54.11780	21.61000	-2.4253	21.538	0.20378	-9.1261	122.50E-6
51.30300	54.11780	21.61000	-8.5929	21.538	-106.70	-319.50	-7.3956E-6
53.86815	54.11780	21.61000	-10.349	21.538	-106.25	-322.47	46.798E-6
56.43330	54.11780	21.61000	-11.107	21.538	-106.45	-324.12	59.803E-6
58.99845	54.11780	21.61000	-11.471	21.538	-106.74	-325.51	66.772E-6
61.56360	54.11780	21.61000	-11.634	21.538	-106.92	-326.52	72.648E-6
64.12875	54.11780	21.61000	-11.677	21.538	-106.97	-327.07	77.473E-6
66.69390	54.11780	21.61000	-11.619	21.538	-106.40	-326.58	92.907E-6
69.25905	54.11780	21.61000	-11.420	21.538	-102.96	-323.72	186.58E-6
71.82420	54.11780	21.61000	-11.313	21.538	-100.45	-322.46	265.45E-6
74.38935	54.11780	21.61000	-11.559	21.538	-105.23	-327.33	146.25E-6
76.95450	54.11780	21.61000	-11.970	21.538	-111.65	-335.36	5.2352E-6
79.51965	54.11780	21.61000	-11.911	21.538	-108.46	-323.41	-24.823E-6
82.08480	54.11780	21.61000	-12.047	21.538	-108.67	-338.05	151.54E-6
84.64995	54.11780	21.61000	-12.415	21.538	-116.54	-347.41	-27.797E-6
87.21510	54.11780	21.61000	-12.474	21.538	-123.00	-355.24	-173.03E-6
89.78025	54.11780	21.61000	-12.080	21.538	-124.18	-357.05	-195.10E-6
92.34540	54.11780	21.61000	-11.730	21.538	-124.39	-357.21	-200.77E-6
94.91055	54.11780	21.61000	-11.305	21.538	-124.35	-356.19	-211.99E-6
97.47570	54.11780	21.61000	-10.566	21.538	-123.84	-353.30	-229.12E-6
100.04085	54.11780	21.61000	-8.9670	21.538	-121.31	-345.66	-229.92E-6
102.60600	54.11780	21.61000	-3.1383	21.538	-6.3909	-28.767	120.70E-6
105.17115	54.11780	21.61000	-0.53690	21.538	-1.8864	-13.258	95.594E-6
107.73630	54.11780	21.61000	0.45893	21.538	-0.74183	-8.4455	78.248E-6
110.30145	54.11780	21.61000	0.92320	21.538	-0.37922	-5.9412	60.429E-6
112.86660	54.11780	21.61000	1.1360	21.538	-0.22005	-4.4065	47.130E-6
115.43175	54.11780	21.61000	1.2146	21.538	-0.13673	-3.3781	37.336E-6
117.99690	54.11780	21.61000	1.2184	21.538	-0.088927	-2.6517	30.003E-6
120.56205	54.11780	21.61000	1.1803	21.538	-0.059885	-2.1204	24.415E-6

123.12720	54.11780	21.61000	1.1199	21.538	-0.041491	-1.7217	20.094E-6
125.69235	54.11780	21.61000	1.0486	21.538	-0.029449	-1.4164	16.707E-6
128.25750	54.11780	21.61000	0.97367	21.538	-0.021342	-1.1786	14.021E-6
130.82265	54.11780	21.61000	0.89912	21.538	-0.015754	-0.99070	11.869E-6
133.38780	54.11780	21.61000	0.82740	21.538	-0.011821	-0.84035	10.126E-6
135.95295	54.11780	21.61000	0.75984	21.538	-0.0090009	-0.71868	8.7014E-6
138.51810	54.11780	21.61000	0.69706	21.538	-0.0069452	-0.61924	7.5280E-6
141.08325	54.11780	21.61000	0.63924	21.538	-0.0054241	-0.53720	6.5533E-6
143.64840	54.11780	21.61000	0.58633	21.538	-0.0042832	-0.46895	5.7378E-6
146.21355	54.11780	21.61000	0.53810	21.538	-0.0034168	-0.41173	5.0507E-6
148.77870	54.11780	21.61000	0.49426	21.538	-0.0027513	-0.36342	4.4681E-6
151.34385	54.11780	21.61000	0.45446	21.538	-0.0022347	-0.32236	3.9711E-6
153.90900	54.11780	21.61000	0.41837	21.538	-0.0018297	-0.28725	3.5446E-6 !
0.00000	56.57770	21.61000	0.45212	21.538	-777.22E-6	-0.19638	2.4412E-6
2.56515	56.57770	21.61000	0.49202	21.538	-915.57E-6	-0.21690	2.6941E-6
5.13030	56.57770	21.61000	0.53612	21.538	-0.0010837	-0.24035	2.9827E-6
7.69545	56.57770	21.61000	0.58483	21.538	-0.0012893	-0.26725	3.3134E-6
10.26060	56.57770	21.61000	0.63857	21.538	-0.0015420	-0.29827	3.6941E-6
12.82575	56.57770	21.61000	0.69769	21.538	-0.0018546	-0.33423	4.1347E-6
15.39090	56.57770	21.61000	0.76246	21.538	-0.0022442	-0.37616	4.6474E-6
17.95605	56.57770	21.61000	0.83299	21.538	-0.0027335	-0.42536	5.2479E-6
20.52120	56.57770	21.61000	0.90901	21.538	-0.0033541	-0.48355	5.9565E-6
23.08635	56.57770	21.61000	0.98975	21.538	-0.0041503	-0.55298	6.7999E-6
25.65150	56.57770	21.61000	1.0735	21.538	-0.0051877	-0.63674	7.8144E-6
28.21665	56.57770	21.61000	1.1568	21.538	-0.0065680	-0.73918	9.0511E-6
30.78180	56.57770	21.61000	1.2339	21.538	-0.0084600	-0.86673	10.584E-6
33.34695	56.57770	21.61000	1.2941	21.538	-0.011172	-1.0294	12.529E-6
35.91210	56.57770	21.61000	1.3191	21.538	-0.015335	-1.2441	15.073E-6
38.47725	56.57770	21.61000	1.2757	21.538	-0.022461	-1.5421	18.552E-6
41.04240	56.57770	21.61000	1.1022	21.538	-0.036989	-1.9891	23.627E-6
43.60755	56.57770	21.61000	0.67385	21.538	-0.075926	-2.7535	31.774E-6
46.17270	56.57770	21.61000	-0.30016	21.538	-0.22938	-4.4181	46.924E-6
48.73785	56.57770	21.61000	-2.7907	21.538	-1.1002	-11.510	103.27E-6
51.30300	56.57770	21.61000	-9.4060	21.538	-112.17	-326.52	-125.59E-6
53.86815	56.57770	21.61000	-11.571	21.538	-114.74	-333.05	-140.36E-6
56.43330	56.57770	21.61000	-12.558	21.538	-113.96	-333.98	-99.427E-6
58.99845	56.57770	21.61000	-13.079	21.538	-115.96	-337.80	-126.85E-6
61.56360	56.57770	21.61000	-13.334	21.538	-117.82	-341.93	-144.90E-6
64.12875	56.57770	21.61000	-13.436	21.538	-118.06	-343.36	-136.05E-6
66.69390	56.57770	21.61000	-13.430	21.538	-117.56	-343.02	-121.47E-6
69.25905	56.57770	21.61000	-13.306	21.538	-114.27	-339.57	-40.602E-6
71.82420	56.57770	21.61000	-13.298	21.538	-109.49	-334.82	80.003E-6
74.38935	56.57770	21.61000	-13.598	21.538	-115.35	-339.20	-86.181E-6
76.95450	56.57770	21.61000	-13.993	21.538	-121.62	-350.35	-182.54E-6
79.51965	56.57770	21.61000	-13.992	21.538	-123.39	-359.89	-129.32E-6
82.08480	56.57770	21.61000	-14.009	21.538	-118.78	-353.46	-36.135E-6
84.64995	56.57770	21.61000	-14.235	21.538	-122.31	-359.43	-94.240E-6
87.21510	56.57770	21.61000	-14.424	21.538	-126.08	-365.32	-162.56E-6

89.78025	56.57770	21.61000	-14.396	21.538	-127.15	-367.89	-170.71E-6
92.34540	56.57770	21.61000	-14.233	21.538	-127.54	-368.65	-175.68E-6
94.91055	56.57770	21.61000	-13.870	21.538	-127.58	-367.90	-186.56E-6
97.47570	56.57770	21.61000	-13.070	21.538	-126.98	-364.79	-203.08E-6
100.04085	56.57770	21.61000	-11.195	21.538	-124.12	-356.16	-203.74E-6
102.60600	56.57770	21.61000	-4.6510	21.538	-8.3380	-36.967	150.37E-6
105.17115	56.57770	21.61000	-1.2004	21.538	-2.7193	-16.799	108.70E-6
107.73630	56.57770	21.61000	0.14770	21.538	-1.0984	-10.446	89.951E-6
110.30145	56.57770	21.61000	0.77917	21.538	-0.54457	-7.1513	69.413E-6
112.86660	56.57770	21.61000	1.0771	21.538	-0.30169	-5.1725	53.685E-6
115.43175	56.57770	21.61000	1.2000	21.538	-0.17943	-3.8808	42.050E-6
117.99690	56.57770	21.61000	1.2264	21.538	-0.11244	-2.9918	33.394E-6
120.56205	56.57770	21.61000	1.1994	21.538	-0.073430	-2.3565	26.874E-6
123.12720	56.57770	21.61000	1.1435	21.538	-0.049604	-1.8894	21.897E-6
125.69235	56.57770	21.61000	1.0733	21.538	-0.034473	-1.5378	18.045E-6
128.25750	56.57770	21.61000	0.99756	21.538	-0.024546	-1.2680	15.026E-6
130.82265	56.57770	21.61000	0.92131	21.538	-0.017850	-1.0577	12.632E-6
133.38780	56.57770	21.61000	0.84752	21.538	-0.013223	-0.89120	10.712E-6
135.95295	56.57770	21.61000	0.77781	21.538	-0.0099577	-0.75781	9.1575E-6
138.51810	56.57770	21.61000	0.71295	21.538	-0.0076103	-0.64970	7.8861E-6
141.08325	56.57770	21.61000	0.65322	21.538	-0.0058943	-0.56118	6.8372E-6
143.64840	56.57770	21.61000	0.59858	21.538	-0.0046207	-0.48802	5.9650E-6
146.21355	56.57770	21.61000	0.54881	21.538	-0.0036624	-0.42705	5.2341E-6
148.77870	56.57770	21.61000	0.50362	21.538	-0.0029324	-0.37583	4.6173E-6
151.34385	56.57770	21.61000	0.46264	21.538	-0.0023698	-0.33249	4.0934E-6
153.90900	56.57770	21.61000	0.42553	21.538	-0.0019317	-0.29559	3.6456E-6 !
0.00000	59.03760	21.61000	0.45956	21.538	-826.97E-6	-0.20212	2.5114E-6
2.56515	59.03760	21.61000	0.50053	21.538	-978.66E-6	-0.22371	2.7773E-6
5.13030	59.03760	21.61000	0.54586	21.538	-0.0011642	-0.24846	3.0817E-6
7.69545	59.03760	21.61000	0.59600	21.538	-0.0013926	-0.27698	3.4319E-6
10.26060	59.03760	21.61000	0.65135	21.538	-0.0016755	-0.31000	3.8366E-6
12.82575	59.03760	21.61000	0.71231	21.538	-0.0020284	-0.34845	4.3069E-6
15.39090	59.03760	21.61000	0.77916	21.538	-0.0024718	-0.39349	4.8569E-6
17.95605	59.03760	21.61000	0.85198	21.538	-0.0030338	-0.44663	5.5042E-6
20.52120	59.03760	21.61000	0.93049	21.538	-0.0037533	-0.50984	6.2722E-6
23.08635	59.03760	21.61000	1.0138	21.538	-0.0046860	-0.58573	7.1917E-6
25.65150	59.03760	21.61000	1.1000	21.538	-0.0059148	-0.67790	8.3048E-6
28.21665	59.03760	21.61000	1.1856	21.538	-0.0075704	-0.79148	9.6712E-6
30.78180	59.03760	21.61000	1.2638	21.538	-0.0098753	-0.93414	11.379E-6
33.34695	59.03760	21.61000	1.3233	21.538	-0.013249	-1.1180	13.565E-6
35.91210	59.03760	21.61000	1.3441	21.538	-0.018592	-1.3639	16.456E-6
38.47725	59.03760	21.61000	1.2901	21.538	-0.028182	-1.7110	20.461E-6
41.04240	59.03760	21.61000	1.0949	21.538	-0.049023	-2.2437	26.375E-6
43.60755	59.03760	21.61000	0.62632	21.538	-0.10836	-3.1777	35.886E-6
46.17270	59.03760	21.61000	-0.41781	21.538	-0.34307	-5.2263	52.800E-6
48.73785	59.03760	21.61000	-3.0176	21.538	-1.5548	-13.201	107.40E-6
51.30300	59.03760	21.61000	-9.8353	21.538	-113.58	-330.79	-125.07E-6
53.86815	59.03760	21.61000	-12.207	21.538	-117.43	-340.47	-148.86E-6

56.43330	59.03760	21.61000	-13.405	21.538	-120.59	-347.07	-184.84E-6
58.99845	59.03760	21.61000	-14.079	21.538	-122.85	-351.94	-208.81E-6
61.56360	59.03760	21.61000	-14.411	21.538	-123.50	-354.50	-201.10E-6
64.12875	59.03760	21.61000	-14.567	21.538	-123.70	-355.89	-191.38E-6
66.69390	59.03760	21.61000	-14.646	21.538	-123.82	-356.75	-185.08E-6
69.25905	59.03760	21.61000	-14.733	21.538	-124.19	-357.64	-187.75E-6
71.82420	59.03760	21.61000	-14.964	21.538	-126.28	-359.93	-237.69E-6
74.38935	59.03760	21.61000	-15.498	21.538	-130.14	-370.20	-254.40E-6
76.95450	59.03760	21.61000	-15.567	21.538	-131.95	-365.28	-384.57E-6
79.51965	59.03760	21.61000	-15.518	21.538	-131.37	-363.75	-381.79E-6
82.08480	59.03760	21.61000	-15.518	21.538	-129.32	-368.56	-244.10E-6
84.64995	59.03760	21.61000	-15.521	21.538	-128.02	-370.25	-173.59E-6
87.21510	59.03760	21.61000	-15.620	21.538	-128.90	-373.04	-171.91E-6
89.78025	59.03760	21.61000	-15.690	21.538	-130.07	-375.39	-186.32E-6
92.34540	59.03760	21.61000	-15.652	21.538	-130.95	-376.71	-203.01E-6
94.91055	59.03760	21.61000	-15.360	21.538	-131.29	-376.33	-220.52E-6
97.47570	59.03760	21.61000	-14.542	21.538	-130.70	-373.08	-239.30E-6
100.04085	59.03760	21.61000	-12.562	21.538	-127.54	-363.88	-235.59E-6
102.60600	59.03760	21.61000	-6.0521	21.538	-11.193	-53.936	256.09E-6
105.17115	59.03760	21.61000	-1.8028	21.538	-3.9750	-20.604	109.19E-6
107.73630	59.03760	21.61000	-0.15989	21.538	-1.6262	-12.662	97.922E-6
110.30145	59.03760	21.61000	0.62876	21.538	-0.77147	-8.4752	77.504E-6
112.86660	59.03760	21.61000	1.0109	21.538	-0.40586	-5.9909	60.049E-6
115.43175	59.03760	21.61000	1.1786	21.538	-0.23083	-4.4053	46.707E-6
117.99690	59.03760	21.61000	1.2286	21.538	-0.13950	-3.3391	36.741E-6
120.56205	59.03760	21.61000	1.2132	21.538	-0.088480	-2.5932	29.283E-6
123.12720	59.03760	21.61000	1.1625	21.538	-0.058364	-2.0546	23.645E-6
125.69235	59.03760	21.61000	1.0939	21.538	-0.039770	-1.6558	19.329E-6
128.25750	59.03760	21.61000	1.0179	21.538	-0.027855	-1.3539	15.981E-6
130.82265	59.03760	21.61000	0.94035	21.538	-0.019977	-1.1212	13.351E-6
133.38780	59.03760	21.61000	0.86487	21.538	-0.014624	-0.93899	11.261E-6
135.95295	59.03760	21.61000	0.79334	21.538	-0.010902	-0.79426	9.5804E-6
138.51810	59.03760	21.61000	0.72671	21.538	-0.0082588	-0.67786	8.2159E-6
141.08325	59.03760	21.61000	0.66533	21.538	-0.0063479	-0.58320	7.0972E-6
143.64840	59.03760	21.61000	0.60919	21.538	-0.0049432	-0.50543	6.1718E-6
146.21355	59.03760	21.61000	0.55809	21.538	-0.0038953	-0.44095	5.4002E-6
148.77870	59.03760	21.61000	0.51172	21.538	-0.0031028	-0.38704	4.7519E-6
151.34385	59.03760	21.61000	0.46972	21.538	-0.0024962	-0.34161	4.2033E-6
153.90900	59.03760	21.61000	0.43171	21.538	-0.0020264	-0.30306	3.7361E-6 !
0.00000	61.49750	21.61000	0.46595	21.538	-877.50E-6	-0.20755	2.5779E-6
2.56515	61.49750	21.61000	0.50784	21.538	-0.0010433	-0.23018	2.8564E-6
5.13030	61.49750	21.61000	0.55424	21.538	-0.0012474	-0.25623	3.1763E-6
7.69545	61.49750	21.61000	0.60560	21.538	-0.0015005	-0.28634	3.5455E-6
10.26060	61.49750	21.61000	0.66236	21.538	-0.0018163	-0.32134	3.9740E-6
12.82575	61.49750	21.61000	0.72491	21.538	-0.0022133	-0.36228	4.4740E-6
15.39090	61.49750	21.61000	0.79355	21.538	-0.0027166	-0.41046	5.0611E-6
17.95605	61.49750	21.61000	0.86835	21.538	-0.0033601	-0.46758	5.7554E-6
20.52120	61.49750	21.61000	0.94901	21.538	-0.0041916	-0.53586	6.5830E-6

23.08635	61.49750	21.61000	1.0346	21.538	-0.0052793	-0.61828	7.5789E-6
25.65150	61.49750	21.61000	1.1230	21.538	-0.0067245	-0.71895	8.7907E-6
28.21665	61.49750	21.61000	1.2104	21.538	-0.0086861	-0.84368	10.286E-6
30.78180	61.49750	21.61000	1.2898	21.538	-0.011432	-1.0012	12.164E-6
33.34695	61.49750	21.61000	1.3492	21.538	-0.015456	-1.2051	14.578E-6
35.91210	61.49750	21.61000	1.3672	21.538	-0.021799	-1.4789	17.782E-6
38.47725	61.49750	21.61000	1.3063	21.538	-0.032985	-1.8656	22.225E-6
41.04240	61.49750	21.61000	1.0975	21.538	-0.056325	-2.4562	28.773E-6
43.60755	61.49750	21.61000	0.60491	21.538	-0.11781	-3.4735	39.251E-6
46.17270	61.49750	21.61000	-0.48016	21.538	-0.33491	-5.6244	58.116E-6
48.73785	61.49750	21.61000	-3.1812	21.538	-1.3542	-14.048	125.62E-6
51.30300	61.49750	21.61000	-9.9883	21.538	-112.65	-330.92	-88.532E-6
53.86815	61.49750	21.61000	-12.384	21.538	-116.32	-340.83	-102.27E-6
56.43330	61.49750	21.61000	-13.725	21.538	-120.72	-349.44	-160.13E-6
58.99845	61.49750	21.61000	-14.539	21.538	-124.16	-356.28	-203.98E-6
61.56360	61.49750	21.61000	-14.944	21.538	-125.14	-359.73	-197.34E-6
64.12875	61.49750	21.61000	-15.139	21.538	-125.44	-361.52	-186.24E-6
66.69390	61.49750	21.61000	-15.266	21.538	-125.83	-362.98	-182.66E-6
69.25905	61.49750	21.61000	-15.444	21.538	-127.12	-365.20	-203.25E-6
71.82420	61.49750	21.61000	-15.760	21.538	-130.33	-368.73	-280.05E-6
74.38935	61.49750	21.61000	-16.157	21.538	-134.55	-373.33	-381.35E-6
76.95450	61.49750	21.61000	-16.387	21.538	-136.51	-373.40	-454.43E-6
79.51965	61.49750	21.61000	-16.512	21.538	-136.20	-381.43	-341.62E-6
82.08480	61.49750	21.61000	-16.324	21.538	-133.00	-376.01	-289.12E-6
84.64995	61.49750	21.61000	-16.283	21.538	-130.93	-376.55	-204.32E-6
87.21510	61.49750	21.61000	-16.370	21.538	-132.10	-378.57	-223.17E-6
89.78025	61.49750	21.61000	-16.460	21.538	-134.29	-380.76	-278.24E-6
92.34540	61.49750	21.61000	-16.622	21.538	-136.29	-383.44	-319.82E-6
94.91055	61.49750	21.61000	-16.527	21.538	-137.22	-384.38	-343.02E-6
97.47570	61.49750	21.61000	-15.818	21.538	-136.67	-381.71	-355.91E-6
100.04085	61.49750	21.61000	-13.853	21.538	-132.86	-372.59	-326.82E-6
102.60600	61.49750	21.61000	-6.9615	21.538	-15.040	-56.453	142.59E-6
105.17115	61.49750	21.61000	-2.3681	21.538	-5.9164	-24.760	88.189E-6
107.73630	61.49750	21.61000	-0.45833	21.538	-2.3687	-15.065	100.12E-6
110.30145	61.49750	21.61000	0.47901	21.538	-1.0605	-9.8663	84.096E-6
112.86660	61.49750	21.61000	0.94167	21.538	-0.52931	-6.8267	65.905E-6
115.43175	61.49750	21.61000	1.1528	21.538	-0.28874	-4.9283	51.102E-6
117.99690	61.49750	21.61000	1.2257	21.538	-0.16887	-3.6785	39.904E-6
120.56205	61.49750	21.61000	1.2221	21.538	-0.10433	-2.8205	31.544E-6
123.12720	61.49750	21.61000	1.1769	21.538	-0.067368	-2.2110	25.272E-6
125.69235	61.49750	21.61000	1.1103	21.538	-0.045104	-1.7659	20.513E-6
128.25750	61.49750	21.61000	1.0343	21.538	-0.031129	-1.4331	16.854E-6
130.82265	61.49750	21.61000	0.95597	21.538	-0.022048	-1.1792	14.003E-6
133.38780	61.49750	21.61000	0.87919	21.538	-0.015970	-0.98222	11.754E-6
135.95295	61.49750	21.61000	0.80622	21.538	-0.011797	-0.82697	9.9581E-6
138.51810	61.49750	21.61000	0.73814	21.538	-0.0088678	-0.70296	8.5086E-6
141.08325	61.49750	21.61000	0.67539	21.538	-0.0067699	-0.60270	7.3266E-6
143.64840	61.49750	21.61000	0.61800	21.538	-0.0052408	-0.52076	6.3535E-6

146.21355	61.49750	21.61000	0.56580	21.538	-0.0041085	-0.45314	5.5455E-6
148.77870	61.49750	21.61000	0.51845	21.538	-0.0032578	-0.39682	4.8691E-6
151.34385	61.49750	21.61000	0.47560	21.538	-0.0026104	-0.34954	4.2987E-6
153.90900	61.49750	21.61000	0.43685	21.538	-0.0021117	-0.30954	3.8143E-6 !
0.00000	63.95740	21.61000	0.47121	21.538	-928.29E-6	-0.21262	2.6397E-6
2.56515	63.95740	21.61000	0.51387	21.538	-0.0011088	-0.23626	2.9303E-6
5.13030	63.95740	21.61000	0.56115	21.538	-0.0013325	-0.26355	3.2652E-6
7.69545	63.95740	21.61000	0.61352	21.538	-0.0016119	-0.29521	3.6530E-6
10.26060	63.95740	21.61000	0.67143	21.538	-0.0019632	-0.33217	4.1046E-6
12.82575	63.95740	21.61000	0.73530	21.538	-0.0024087	-0.37556	4.6337E-6
15.39090	63.95740	21.61000	0.80541	21.538	-0.0029783	-0.42685	5.2575E-6
17.95605	63.95740	21.61000	0.88184	21.538	-0.0037134	-0.48795	5.9984E-6
20.52120	63.95740	21.61000	0.96425	21.538	-0.0046720	-0.56134	6.8854E-6
23.08635	63.95740	21.61000	1.0516	21.538	-0.0059370	-0.65035	7.9574E-6
25.65150	63.95740	21.61000	1.1419	21.538	-0.0076307	-0.75955	9.2673E-6
28.21665	63.95740	21.61000	1.2308	21.538	-0.0099410	-0.89541	10.889E-6
30.78180	63.95740	21.61000	1.3113	21.538	-0.013174	-1.0674	12.931E-6
33.34695	63.95740	21.61000	1.3708	21.538	-0.017871	-1.2904	15.559E-6
35.91210	63.95740	21.61000	1.3873	21.538	-0.025094	-1.5887	19.039E-6
38.47725	63.95740	21.61000	1.3223	21.538	-0.037204	-2.0062	23.835E-6
41.04240	63.95740	21.61000	1.1059	21.538	-0.060266	-2.6308	30.821E-6
43.60755	63.95740	21.61000	0.60115	21.538	-0.11255	-3.6659	41.870E-6
46.17270	63.95740	21.61000	-0.50222	21.538	-0.25926	-5.7327	62.334E-6
48.73785	63.95740	21.61000	-3.2620	21.538	-0.76422	-14.130	148.91E-6
51.30300	63.95740	21.61000	-9.9457	21.538	-109.93	-328.70	-13.511E-6
53.86815	63.95740	21.61000	-12.282	21.538	-112.48	-337.75	3.8867E-6
56.43330	63.95740	21.61000	-13.754	21.538	-118.84	-348.47	-101.10E-6
58.99845	63.95740	21.61000	-14.709	21.538	-124.12	-357.53	-186.69E-6
61.56360	63.95740	21.61000	-15.168	21.538	-125.45	-361.72	-184.25E-6
64.12875	63.95740	21.61000	-15.371	21.538	-125.75	-363.54	-172.60E-6
66.69390	63.95740	21.61000	-15.488	21.538	-126.07	-364.81	-168.64E-6
69.25905	63.95740	21.61000	-15.659	21.538	-127.40	-367.00	-191.25E-6
71.82420	63.95740	21.61000	-15.955	21.538	-130.71	-370.52	-271.71E-6
74.38935	63.95740	21.61000	-16.128	21.538	-134.57	-366.56	-467.24E-6
76.95450	63.95740	21.61000	-16.541	21.538	-136.81	-374.55	-451.48E-6
79.51965	63.95740	21.61000	-16.593	21.538	-136.13	-376.24	-404.34E-6
82.08480	63.95740	21.61000	-16.546	21.538	-133.50	-377.08	-294.67E-6
84.64995	63.95740	21.61000	-16.621	21.538	-132.33	-378.38	-234.20E-6
87.21510	63.95740	21.61000	-17.043	21.538	-135.02	-387.35	-222.86E-6
89.78025	63.95740	21.61000	-17.128	21.538	-138.26	-384.25	-384.15E-6
92.34540	63.95740	21.61000	-17.502	21.538	-141.70	-389.10	-453.05E-6
94.91055	63.95740	21.61000	-17.512	21.538	-143.13	-391.11	-481.55E-6
97.47570	63.95740	21.61000	-16.796	21.538	-142.33	-388.30	-486.76E-6
100.04085	63.95740	21.61000	-14.764	21.538	-137.52	-378.33	-430.72E-6
102.60600	63.95740	21.61000	-8.3102	21.538	-23.122	-102.75	420.00E-6
105.17115	63.95740	21.61000	-2.9000	21.538	-8.1547	-28.909	55.915E-6
107.73630	63.95740	21.61000	-0.73737	21.538	-3.2164	-17.457	98.224E-6
110.30145	63.95740	21.61000	0.33734	21.538	-1.3774	-11.225	89.225E-6

112.86660	63.95740	21.61000	0.87389	21.538	-0.66011	-7.6263	71.028E-6
115.43175	63.95740	21.61000	1.1249	21.538	-0.34841	-5.4195	55.029E-6
117.99690	63.95740	21.61000	1.2191	21.538	-0.19842	-3.9919	42.730E-6
120.56205	63.95740	21.61000	1.2266	21.538	-0.11996	-3.0271	33.554E-6
123.12720	63.95740	21.61000	1.1867	21.538	-0.076083	-2.3512	26.707E-6
125.69235	63.95740	21.61000	1.1223	21.538	-0.050180	-1.8634	21.548E-6
128.25750	63.95740	21.61000	1.0468	21.538	-0.034198	-1.5024	17.610E-6
130.82265	63.95740	21.61000	0.96796	21.538	-0.023963	-1.2295	14.564E-6
133.38780	63.95740	21.61000	0.89028	21.538	-0.017200	-1.0194	12.175E-6
135.95295	63.95740	21.61000	0.81623	21.538	-0.012607	-0.85488	10.279E-6
138.51810	63.95740	21.61000	0.74705	21.538	-0.0094129	-0.72423	8.7557E-6
141.08325	63.95740	21.61000	0.68325	21.538	-0.0071444	-0.61914	7.5192E-6
143.64840	63.95740	21.61000	0.62490	21.538	-0.0055029	-0.53362	6.5054E-6
146.21355	63.95740	21.61000	0.57183	21.538	-0.0042950	-0.46331	5.6664E-6
148.77870	63.95740	21.61000	0.52373	21.538	-0.0033926	-0.40496	4.9664E-6
151.34385	63.95740	21.61000	0.48020	21.538	-0.0027092	-0.35610	4.3776E-6
153.90900	63.95740	21.61000	0.44087	21.538	-0.0021850	-0.31489	3.8789E-6 !
0.00000	66.41730	21.61000	0.47528	21.538	-978.70E-6	-0.21725	2.6962E-6
2.56515	66.41730	21.61000	0.51853	21.538	-0.0011744	-0.24185	2.9982E-6
5.13030	66.41730	21.61000	0.56650	21.538	-0.0014186	-0.27033	3.3472E-6
7.69545	66.41730	21.61000	0.61965	21.538	-0.0017258	-0.30349	3.7528E-6
10.26060	66.41730	21.61000	0.67846	21.538	-0.0021152	-0.34233	4.2267E-6
12.82575	66.41730	21.61000	0.74333	21.538	-0.0026133	-0.38812	4.7840E-6
15.39090	66.41730	21.61000	0.81457	21.538	-0.0032561	-0.44248	5.4436E-6
17.95605	66.41730	21.61000	0.89224	21.538	-0.0040938	-0.50752	6.2302E-6
20.52120	66.41730	21.61000	0.97598	21.538	-0.0051971	-0.58601	7.1759E-6
23.08635	66.41730	21.61000	1.0647	21.538	-0.0066673	-0.68164	8.3235E-6
25.65150	66.41730	21.61000	1.1563	21.538	-0.0086524	-0.79946	9.7308E-6
28.21665	66.41730	21.61000	1.2464	21.538	-0.011376	-0.94654	11.478E-6
30.78180	66.41730	21.61000	1.3277	21.538	-0.015187	-1.1331	13.682E-6
33.34695	66.41730	21.61000	1.3872	21.538	-0.020670	-1.3747	16.514E-6
35.91210	66.41730	21.61000	1.4028	21.538	-0.028869	-1.6960	20.247E-6
38.47725	66.41730	21.61000	1.3355	21.538	-0.041858	-2.1399	25.341E-6
41.04240	66.41730	21.61000	1.1153	21.538	-0.064203	-2.7877	32.647E-6
43.60755	66.41730	21.61000	0.60611	21.538	-0.10700	-3.8189	44.004E-6
46.17270	66.41730	21.61000	-0.49840	21.538	-0.19833	-5.7730	65.141E-6
48.73785	66.41730	21.61000	-3.2692	21.538	-0.41226	-14.145	162.38E-6
51.30300	66.41730	21.61000	-9.8747	21.538	-108.67	-327.25	15.773E-6
53.86815	66.41730	21.61000	-12.184	21.538	-110.75	-335.83	45.002E-6
56.43330	66.41730	21.61000	-13.726	21.538	-117.86	-347.57	-75.546E-6
58.99845	66.41730	21.61000	-14.762	21.538	-123.94	-357.77	-176.81E-6
61.56360	66.41730	21.61000	-15.230	21.538	-125.40	-362.11	-177.31E-6
64.12875	66.41730	21.61000	-15.391	21.538	-125.35	-363.24	-161.07E-6
66.69390	66.41730	21.61000	-15.409	21.538	-124.72	-362.95	-140.97E-6
69.25905	66.41730	21.61000	-15.485	21.538	-125.53	-363.92	-159.36E-6
71.82420	66.41730	21.61000	-15.705	21.538	-128.45	-366.67	-235.15E-6
74.38935	66.41730	21.61000	-15.596	21.538	-130.41	-347.62	-548.66E-6
76.95450	66.41730	21.61000	-16.147	21.538	-133.13	-369.11	-381.10E-6

79.51965	66.41730	21.61000	-16.202	21.538	-132.33	-370.50	-333.15E-6
82.08480	66.41730	21.61000	-16.186	21.538	-130.13	-370.74	-247.09E-6
84.64995	66.41730	21.61000	-16.425	21.538	-129.98	-373.28	-209.78E-6
87.21510	66.41730	21.61000	-17.142	21.538	-135.60	-386.35	-257.35E-6
89.78025	66.41730	21.61000	-17.852	21.538	-142.13	-388.65	-474.88E-6
92.34540	66.41730	21.61000	-18.364	21.538	-147.29	-395.58	-582.16E-6
94.91055	66.41730	21.61000	-18.324	21.538	-148.97	-397.77	-618.21E-6
97.47570	66.41730	21.61000	-17.497	21.538	-147.79	-394.33	-616.86E-6
100.04085	66.41730	21.61000	-15.361	21.538	-142.09	-383.28	-541.00E-6
102.60600	66.41730	21.61000	-9.7605	21.538	-119.22	-286.17	-899.46E-6
105.17115	66.41730	21.61000	-3.3505	21.538	-10.027	-32.533	30.844E-6
107.73630	66.41730	21.61000	-0.97844	21.538	-3.9662	-19.560	96.388E-6
110.30145	66.41730	21.61000	0.21235	21.538	-1.6681	-12.422	93.321E-6
112.86660	66.41730	21.61000	0.81201	21.538	-0.78165	-8.3268	75.253E-6
115.43175	66.41730	21.61000	1.0973	21.538	-0.40379	-5.8447	58.288E-6
117.99690	66.41730	21.61000	1.2100	21.538	-0.22561	-4.2596	45.071E-6
120.56205	66.41730	21.61000	1.2272	21.538	-0.13417	-3.2011	35.207E-6
123.12720	66.41730	21.61000	1.1922	21.538	-0.083896	-2.4677	27.878E-6
125.69235	66.41730	21.61000	1.1300	21.538	-0.054670	-1.9435	22.386E-6
128.25750	66.41730	21.61000	1.0551	21.538	-0.036877	-1.5588	18.218E-6
130.82265	66.41730	21.61000	0.97618	21.538	-0.025616	-1.2701	15.011E-6
133.38780	66.41730	21.61000	0.89798	21.538	-0.018250	-1.0491	12.509E-6
135.95295	66.41730	21.61000	0.82323	21.538	-0.013292	-0.87700	10.531E-6
138.51810	66.41730	21.61000	0.75331	21.538	-0.0098698	-0.74099	8.9492E-6
141.08325	66.41730	21.61000	0.68879	21.538	-0.0074559	-0.63201	7.6694E-6
143.64840	66.41730	21.61000	0.62978	21.538	-0.0057194	-0.54365	6.6233E-6
146.21355	66.41730	21.61000	0.57610	21.538	-0.0044482	-0.47121	5.7601E-6
148.77870	66.41730	21.61000	0.52746	21.538	-0.0035027	-0.41125	5.0414E-6
151.34385	66.41730	21.61000	0.48347	21.538	-0.0027895	-0.36117	4.4384E-6
153.90900	66.41730	21.61000	0.44373	21.538	-0.0022445	-0.31901	3.9285E-6 !
0.00000	68.87720	21.61000	0.47812	21.538	-0.0010279	-0.22140	2.7464E-6
2.56515	68.87720	21.61000	0.52178	21.538	-0.0012391	-0.24688	3.0590E-6
5.13030	68.87720	21.61000	0.57022	21.538	-0.0015044	-0.27647	3.4213E-6
7.69545	68.87720	21.61000	0.62391	21.538	-0.0018405	-0.31104	3.8434E-6
10.26060	68.87720	21.61000	0.68333	21.538	-0.0022703	-0.35167	4.3384E-6
12.82575	68.87720	21.61000	0.74889	21.538	-0.0028249	-0.39977	4.9225E-6
15.39090	68.87720	21.61000	0.82089	21.538	-0.0035478	-0.45711	5.6166E-6
17.95605	68.87720	21.61000	0.89938	21.538	-0.0045000	-0.52603	6.4477E-6
20.52120	68.87720	21.61000	0.98398	21.538	-0.0057682	-0.60958	7.4510E-6
23.08635	68.87720	21.61000	1.0736	21.538	-0.0074773	-0.71187	8.6733E-6
25.65150	68.87720	21.61000	1.1659	21.538	-0.0098104	-0.83846	10.178E-6
28.21665	68.87720	21.61000	1.2567	21.538	-0.013040	-0.99707	12.051E-6
30.78180	68.87720	21.61000	1.3383	21.538	-0.017583	-1.1987	14.417E-6
33.34695	68.87720	21.61000	1.3976	21.538	-0.024098	-1.4597	17.454E-6
35.91210	68.87720	21.61000	1.4122	21.538	-0.033674	-1.8052	21.439E-6
38.47725	68.87720	21.61000	1.3432	21.538	-0.048228	-2.2770	26.825E-6
41.04240	68.87720	21.61000	1.1207	21.538	-0.071400	-2.9512	34.432E-6
43.60755	68.87720	21.61000	0.61044	21.538	-0.11054	-3.9907	46.031E-6

46.17270	68.87720	21.61000	-0.48635	21.538	-0.18033	-5.8839	67.215E-6
48.73785	68.87720	21.61000	-3.1611	21.538	-0.31292	-13.139	153.48E-6
51.30300	68.87720	21.61000	-9.7943	21.538	-108.42	-326.57	16.404E-6
53.86815	68.87720	21.61000	-12.081	21.538	-110.42	-334.60	41.846E-6
56.43330	68.87720	21.61000	-13.681	21.538	-117.62	-347.05	-73.174E-6
58.99845	68.87720	21.61000	-14.812	21.538	-123.85	-358.15	-168.61E-6
61.56360	68.87720	21.61000	-15.281	21.538	-125.25	-362.85	-162.33E-6
64.12875	68.87720	21.61000	-15.281	21.538	-124.21	-361.32	-142.45E-6
66.69390	68.87720	21.61000	-15.056	21.538	-120.20	-357.12	-43.591E-6
69.25905	68.87720	21.61000	-14.883	21.538	-118.60	-349.95	-73.682E-6
71.82420	68.87720	21.61000	-15.039	21.538	-121.12	-356.45	-86.887E-6
74.38935	68.87720	21.61000	-15.173	21.538	-123.42	-357.42	-161.35E-6
76.95450	68.87720	21.61000	-15.286	21.538	-124.02	-357.38	-184.78E-6
79.51965	68.87720	21.61000	-15.153	21.538	-121.34	-354.92	-114.53E-6
82.08480	68.87720	21.61000	-15.118	21.538	-117.45	-353.80	18.302E-6
84.64995	68.87720	21.61000	-15.525	21.538	-118.01	-357.67	45.815E-6
87.21510	68.87720	21.61000	-16.609	21.538	-127.86	-367.23	-205.52E-6
89.78025	68.87720	21.61000	-17.978	21.538	-142.72	-387.91	-506.34E-6
92.34540	68.87720	21.61000	-18.765	21.538	-150.12	-398.83	-648.40E-6
94.91055	68.87720	21.61000	-18.809	21.538	-152.18	-402.31	-682.18E-6
97.47570	68.87720	21.61000	-17.993	21.538	-150.88	-399.08	-673.96E-6
100.04085	68.87720	21.61000	-15.873	21.538	-144.89	-387.82	-589.46E-6
102.60600	68.87720	21.61000	-10.709	21.538	-131.65	-343.16	-651.41E-6
105.17115	68.87720	21.61000	-3.7109	21.538	-11.307	-35.336	17.802E-6
107.73630	68.87720	21.61000	-1.1704	21.538	-4.5223	-21.186	95.849E-6
110.30145	68.87720	21.61000	0.11089	21.538	-1.8979	-13.357	96.412E-6
112.86660	68.87720	21.61000	0.76005	21.538	-0.88091	-8.8727	78.374E-6
115.43175	68.87720	21.61000	1.0723	21.538	-0.44952	-6.1728	60.689E-6
117.99690	68.87720	21.61000	1.1997	21.538	-0.24803	-4.4632	46.787E-6
120.56205	68.87720	21.61000	1.2247	21.538	-0.14578	-3.3316	36.410E-6
123.12720	68.87720	21.61000	1.1937	21.538	-0.090210	-2.5538	28.722E-6
125.69235	68.87720	21.61000	1.1334	21.538	-0.058255	-2.0018	22.985E-6
128.25750	68.87720	21.61000	1.0593	21.538	-0.038991	-1.5994	18.649E-6
130.82265	68.87720	21.61000	0.98054	21.538	-0.026906	-1.2989	15.325E-6
133.38780	68.87720	21.61000	0.90219	21.538	-0.019061	-1.0700	12.741E-6
135.95295	68.87720	21.61000	0.82713	21.538	-0.013815	-0.89249	10.706E-6
138.51810	68.87720	21.61000	0.75684	21.538	-0.010217	-0.75264	9.0828E-6
141.08325	68.87720	21.61000	0.69194	21.538	-0.0076907	-0.64092	7.7726E-6
143.64840	68.87720	21.61000	0.63256	21.538	-0.0058815	-0.55055	6.7040E-6
146.21355	68.87720	21.61000	0.57855	21.538	-0.0045622	-0.47663	5.8239E-6
148.77870	68.87720	21.61000	0.52961	21.538	-0.0035843	-0.41555	5.0925E-6
151.34385	68.87720	21.61000	0.48536	21.538	-0.0028487	-0.36463	4.4796E-6
153.90900	68.87720	21.61000	0.44538	21.538	-0.0022881	-0.32181	3.9621E-6 !
0.00000	71.33710	21.61000	0.47968	21.538	-0.0010752	-0.22499	2.7898E-6
2.56515	71.33710	21.61000	0.52356	21.538	-0.0013017	-0.25127	3.1118E-6
5.13030	71.33710	21.61000	0.57225	21.538	-0.0015883	-0.28187	3.4860E-6
7.69545	71.33710	21.61000	0.62623	21.538	-0.0019542	-0.31774	3.9234E-6
10.26060	71.33710	21.61000	0.68597	21.538	-0.0024260	-0.36005	4.4379E-6

12.82575	71.33710	21.61000	0.75188	21.538	-0.0030405	-0.41032	5.0471E-6
15.39090	71.33710	21.61000	0.82426	21.538	-0.0038499	-0.47051	5.7737E-6
17.95605	71.33710	21.61000	0.90313	21.538	-0.0049284	-0.54318	6.6473E-6
20.52120	71.33710	21.61000	0.98811	21.538	-0.0063830	-0.63173	7.7064E-6
23.08635	71.33710	21.61000	1.0780	21.538	-0.0083703	-0.74070	9.0022E-6
25.65150	71.33710	21.61000	1.1706	21.538	-0.011122	-0.87626	10.604E-6
28.21665	71.33710	21.61000	1.2613	21.538	-0.014984	-1.0470	12.605E-6
30.78180	71.33710	21.61000	1.3426	21.538	-0.020485	-1.2648	15.139E-6
33.34695	71.33710	21.61000	1.4011	21.538	-0.028441	-1.5474	18.393E-6
35.91210	71.33710	21.61000	1.4142	21.538	-0.040137	-1.9211	22.653E-6
38.47725	71.33710	21.61000	1.3431	21.538	-0.057660	-2.4280	28.369E-6
41.04240	71.33710	21.61000	1.1179	21.538	-0.084537	-3.1426	36.344E-6
43.60755	71.33710	21.61000	0.60555	21.538	-0.12705	-4.2204	48.298E-6
46.17270	71.33710	21.61000	-0.48934	21.538	-0.19657	-6.1309	69.709E-6
48.73785	71.33710	21.61000	-3.1509	21.538	-0.31970	-13.302	155.27E-6
51.30300	71.33710	21.61000	-9.8018	21.538	-108.41	-326.93	21.317E-6
53.86815	71.33710	21.61000	-12.135	21.538	-110.40	-335.46	53.726E-6
56.43330	71.33710	21.61000	-13.716	21.538	-117.58	-347.50	-66.024E-6
58.99845	71.33710	21.61000	-14.802	21.538	-123.82	-358.03	-169.13E-6
61.56360	71.33710	21.61000	-15.233	21.538	-125.07	-361.67	-170.15E-6
64.12875	71.33710	21.61000	-15.146	21.538	-123.30	-359.35	-132.76E-6
66.69390	71.33710	21.61000	-14.703	21.538	-116.72	-351.71	19.325E-6
69.25905	71.33710	21.61000	-14.355	21.538	-112.86	-346.19	95.611E-6
71.82420	71.33710	21.61000	-14.279	21.538	-113.09	-345.14	73.773E-6
74.38935	71.33710	21.61000	-14.324	21.538	-114.26	-345.34	32.045E-6
76.95450	71.33710	21.61000	-14.297	21.538	-114.28	-344.18	16.748E-6
79.51965	71.33710	21.61000	-13.960	21.538	-109.47	-336.57	102.63E-6
82.08480	71.33710	21.61000	-13.911	21.538	-103.73	-335.30	303.35E-6
84.64995	71.33710	21.61000	-14.530	21.538	-106.79	-341.74	268.76E-6
87.21510	71.33710	21.61000	-16.057	21.538	-121.65	-358.55	-80.698E-6
89.78025	71.33710	21.61000	-17.836	21.538	-141.61	-385.11	-499.81E-6
92.34540	71.33710	21.61000	-18.855	21.538	-150.89	-399.48	-669.28E-6
94.91055	71.33710	21.61000	-19.001	21.538	-153.37	-404.28	-702.40E-6
97.47570	71.33710	21.61000	-18.238	21.538	-152.17	-401.52	-691.79E-6
100.04085	71.33710	21.61000	-16.183	21.538	-146.26	-390.47	-607.68E-6
102.60600	71.33710	21.61000	-11.330	21.538	-133.37	-355.77	-557.63E-6
105.17115	71.33710	21.61000	-3.9845	21.538	-12.163	-37.258	9.6893E-6
107.73630	71.33710	21.61000	-1.3099	21.538	-4.9089	-22.272	94.924E-6
110.30145	71.33710	21.61000	0.037640	21.538	-2.0608	-13.973	98.012E-6
112.86660	71.33710	21.61000	0.72153	21.538	-0.95180	-9.2249	80.129E-6
115.43175	71.33710	21.61000	1.0521	21.538	-0.48204	-6.3790	62.056E-6
117.99690	71.33710	21.61000	1.1894	21.538	-0.26379	-4.5877	47.758E-6
120.56205	71.33710	21.61000	1.2196	21.538	-0.15382	-3.4092	37.083E-6
123.12720	71.33710	21.61000	1.1915	21.538	-0.094512	-2.6037	29.188E-6
125.69235	71.33710	21.61000	1.1327	21.538	-0.060658	-2.0349	23.310E-6
128.25750	71.33710	21.61000	1.0594	21.538	-0.040387	-1.6219	18.879E-6
130.82265	71.33710	21.61000	0.98104	21.538	-0.027746	-1.3146	15.491E-6
133.38780	71.33710	21.61000	0.90287	21.538	-0.019582	-1.0813	12.863E-6

135.95295	71.33710	21.61000	0.82788	21.538	-0.014149	-0.90071	10.797E-6
138.51810	71.33710	21.61000	0.75758	21.538	-0.010435	-0.75875	9.1514E-6
141.08325	71.33710	21.61000	0.69264	21.538	-0.0078373	-0.64554	7.8253E-6
143.64840	71.33710	21.61000	0.63321	21.538	-0.0059821	-0.55411	6.7450E-6
146.21355	71.33710	21.61000	0.57915	21.538	-0.0046324	-0.47940	5.8561E-6
148.77870	71.33710	21.61000	0.53015	21.538	-0.0036342	-0.41775	5.1182E-6
151.34385	71.33710	21.61000	0.48583	21.538	-0.0028848	-0.36638	4.5002E-6
153.90900	71.33710	21.61000	0.44581	21.538	-0.0023145	-0.32323	3.9789E-6 !
0.00000	73.79700	21.61000	0.47994	21.538	-0.0011193	-0.22796	2.8255E-6
2.56515	73.79700	21.61000	0.52386	21.538	-0.0013610	-0.25493	3.1557E-6
5.13030	73.79700	21.61000	0.57258	21.538	-0.0016686	-0.28643	3.5404E-6
7.69545	73.79700	21.61000	0.62659	21.538	-0.0020644	-0.32346	3.9912E-6
10.26060	73.79700	21.61000	0.68635	21.538	-0.0025789	-0.36728	4.5231E-6
12.82575	73.79700	21.61000	0.75227	21.538	-0.0032556	-0.41954	5.1551E-6
15.39090	73.79700	21.61000	0.82463	21.538	-0.0041566	-0.48239	5.9117E-6
17.95605	73.79700	21.61000	0.90344	21.538	-0.0053720	-0.55864	6.8251E-6
20.52120	73.79700	21.61000	0.98828	21.538	-0.0070343	-0.65204	7.9373E-6
23.08635	73.79700	21.61000	1.0780	21.538	-0.0093410	-0.76766	9.3047E-6
25.65150	73.79700	21.61000	1.1701	21.538	-0.012591	-0.91240	11.003E-6
28.21665	73.79700	21.61000	1.2602	21.538	-0.017241	-1.0959	13.135E-6
30.78180	73.79700	21.61000	1.3403	21.538	-0.024000	-1.3316	15.846E-6
33.34695	73.79700	21.61000	1.3972	21.538	-0.033979	-1.6391	19.338E-6
35.91210	73.79700	21.61000	1.4080	21.538	-0.048934	-2.0475	23.911E-6
38.47725	73.79700	21.61000	1.3335	21.538	-0.071653	-2.6021	30.031E-6
41.04240	73.79700	21.61000	1.1039	21.538	-0.10661	-3.3803	38.501E-6
43.60755	73.79700	21.61000	0.58603	21.538	-0.16105	-4.5385	51.018E-6
46.17270	73.79700	21.61000	-0.51509	21.538	-0.24670	-6.5426	72.996E-6
48.73785	73.79700	21.61000	-3.1847	21.538	-0.38893	-13.810	159.06E-6
51.30300	73.79700	21.61000	-9.8519	21.538	-108.50	-327.55	25.776E-6
53.86815	73.79700	21.61000	-12.216	21.538	-110.48	-336.23	60.157E-6
56.43330	73.79700	21.61000	-13.780	21.538	-117.65	-348.14	-60.328E-6
58.99845	73.79700	21.61000	-14.811	21.538	-123.89	-358.33	-167.99E-6
61.56360	73.79700	21.61000	-15.195	21.538	-125.06	-361.47	-172.26E-6
64.12875	73.79700	21.61000	-15.067	21.538	-123.01	-358.37	-134.22E-6
66.69390	73.79700	21.61000	-14.514	21.538	-115.77	-349.12	23.001E-6
69.25905	73.79700	21.61000	-14.009	21.538	-110.89	-341.46	110.57E-6
71.82420	73.79700	21.61000	-13.632	21.538	-109.05	-325.86	-16.025E-6
74.38935	73.79700	21.61000	-13.753	21.538	-110.28	-338.54	96.766E-6
76.95450	73.79700	21.61000	-13.778	21.538	-109.82	-343.30	173.98E-6
79.51965	73.79700	21.61000	-13.225	21.538	-104.28	-323.74	137.20E-6
82.08480	73.79700	21.61000	-13.193	21.538	-99.156	-325.67	354.86E-6
84.64995	73.79700	21.61000	-13.904	21.538	-103.19	-333.46	300.64E-6
87.21510	73.79700	21.61000	-15.629	21.538	-119.45	-356.33	-25.307E-6
89.78025	73.79700	21.61000	-17.566	21.538	-140.69	-382.23	-501.18E-6
92.34540	73.79700	21.61000	-18.736	21.538	-150.85	-398.55	-679.18E-6
94.91055	73.79700	21.61000	-18.966	21.538	-153.64	-404.32	-712.16E-6
97.47570	73.79700	21.61000	-18.268	21.538	-152.60	-402.08	-701.01E-6
100.04085	73.79700	21.61000	-16.307	21.538	-146.92	-391.48	-619.96E-6

102.60600	73.79700	21.61000	-11.787	21.538	-134.35	-363.16	-501.68E-6
105.17115	73.79700	21.61000	-4.1721	21.538	-12.763	-38.363	0.0
107.73630	73.79700	21.61000	-1.3917	21.538	-5.1670	-22.805	91.879E-6
110.30145	73.79700	21.61000	-0.0021240	21.538	-2.1608	-14.239	97.578E-6
112.86660	73.79700	21.61000	0.70019	21.538	-0.99193	-9.3571	80.278E-6
115.43175	73.79700	21.61000	1.0392	21.538	-0.49917	-6.4459	62.252E-6
117.99690	73.79700	21.61000	1.1804	21.538	-0.27157	-4.6223	47.900E-6
120.56205	73.79700	21.61000	1.2128	21.538	-0.15757	-3.4275	37.172E-6
123.12720	73.79700	21.61000	1.1860	21.538	-0.096420	-2.6136	29.241E-6
125.69235	73.79700	21.61000	1.1281	21.538	-0.061677	-2.0404	23.340E-6
128.25750	73.79700	21.61000	1.0555	21.538	-0.040955	-1.6249	18.896E-6
130.82265	73.79700	21.61000	0.97773	21.538	-0.028075	-1.3164	15.501E-6
133.38780	73.79700	21.61000	0.90005	21.538	-0.019780	-1.0822	12.868E-6
135.95295	73.79700	21.61000	0.82547	21.538	-0.014271	-0.90126	10.799E-6
138.51810	73.79700	21.61000	0.75553	21.538	-0.010513	-0.75906	9.1524E-6
141.08325	73.79700	21.61000	0.69090	21.538	-0.0078884	-0.64572	7.8255E-6
143.64840	73.79700	21.61000	0.63172	21.538	-0.0060163	-0.55420	6.7448E-6
146.21355	73.79700	21.61000	0.57788	21.538	-0.0046559	-0.47945	5.8559E-6
148.77870	73.79700	21.61000	0.52906	21.538	-0.0036506	-0.41777	5.1178E-6
151.34385	73.79700	21.61000	0.48490	21.538	-0.0028965	-0.36639	4.4999E-6
153.90900	73.79700	21.61000	0.44501	21.538	-0.0023230	-0.32323	3.9786E-6 !
0.00000	76.25690	21.61000	0.47891	21.538	-0.0011594	-0.23025	2.8528E-6
2.56515	76.25690	21.61000	0.52267	21.538	-0.0014153	-0.25780	3.1898E-6
5.13030	76.25690	21.61000	0.57120	21.538	-0.0017432	-0.29005	3.5831E-6
7.69545	76.25690	21.61000	0.62498	21.538	-0.0021679	-0.32806	4.0453E-6
10.26060	76.25690	21.61000	0.68447	21.538	-0.0027248	-0.37320	4.5921E-6
12.82575	76.25690	21.61000	0.75005	21.538	-0.0034642	-0.42723	5.2439E-6
15.39090	76.25690	21.61000	0.82200	21.538	-0.0044596	-0.49248	6.0272E-6
17.95605	76.25690	21.61000	0.90030	21.538	-0.0058195	-0.57203	6.9766E-6
20.52120	76.25690	21.61000	0.98450	21.538	-0.0077070	-0.67002	8.1381E-6
23.08635	76.25690	21.61000	1.0734	21.538	-0.010372	-0.79211	9.5735E-6
25.65150	76.25690	21.61000	1.1645	21.538	-0.014201	-0.94611	11.366E-6
28.21665	76.25690	21.61000	1.2532	21.538	-0.019810	-1.1430	13.631E-6
30.78180	76.25690	21.61000	1.3315	21.538	-0.028184	-1.3983	16.527E-6
33.34695	76.25690	21.61000	1.3859	21.538	-0.040938	-1.7348	20.280E-6
35.91210	76.25690	21.61000	1.3932	21.538	-0.060729	-2.1866	25.216E-6
38.47725	76.25690	21.61000	1.3138	21.538	-0.091968	-2.8061	31.830E-6
41.04240	76.25690	21.61000	1.0772	21.538	-0.14193	-3.6809	40.950E-6
43.60755	76.25690	21.61000	0.54928	21.538	-0.22226	-4.9802	54.264E-6
46.17270	76.25690	21.61000	-0.56605	21.538	-0.35015	-7.1796	77.106E-6
48.73785	76.25690	21.61000	-3.2546	21.538	-0.55304	-14.689	163.91E-6
51.30300	76.25690	21.61000	-9.9430	21.538	-108.73	-328.66	31.058E-6
53.86815	76.25690	21.61000	-12.320	21.538	-110.75	-337.46	65.654E-6
56.43330	76.25690	21.61000	-13.879	21.538	-117.89	-349.31	-55.087E-6
58.99845	76.25690	21.61000	-14.887	21.538	-124.14	-359.29	-165.30E-6
61.56360	76.25690	21.61000	-15.237	21.538	-125.25	-362.05	-172.29E-6
64.12875	76.25690	21.61000	-15.060	21.538	-123.08	-358.33	-137.38E-6
66.69390	76.25690	21.61000	-14.436	21.538	-115.62	-348.16	16.380E-6

69.25905	76.25690	21.61000	-13.870	21.538	-110.42	-339.69	106.23E-6
71.82420	76.25690	21.61000	-13.564	21.538	-109.22	-335.84	102.81E-6
74.38935	76.25690	21.61000	-13.407	21.538	-108.88	-333.85	90.923E-6
76.95450	76.25690	21.61000	-13.222	21.538	-107.80	-330.90	94.466E-6
79.51965	76.25690	21.61000	-13.053	21.538	-103.15	-331.77	280.64E-6
82.08480	76.25690	21.61000	-12.769	21.538	-97.676	-320.88	350.33E-6
84.64995	76.25690	21.61000	-13.455	21.538	-101.84	-328.92	294.33E-6
87.21510	76.25690	21.61000	-14.968	21.538	-118.07	-347.67	-82.185E-6
89.78025	76.25690	21.61000	-17.161	21.538	-139.75	-379.05	-505.77E-6
92.34540	76.25690	21.61000	-18.421	21.538	-150.34	-396.36	-687.67E-6
94.91055	76.25690	21.61000	-18.701	21.538	-153.35	-402.69	-721.56E-6
97.47570	76.25690	21.61000	-18.065	21.538	-152.47	-400.92	-710.76E-6
100.04085	76.25690	21.61000	-16.217	21.538	-147.09	-390.92	-633.40E-6
102.60600	76.25690	21.61000	-11.998	21.538	-134.88	-365.90	-487.15E-6
105.17115	76.25690	21.61000	-4.2513	21.538	-13.143	-38.603	-10.414E-6
107.73630	76.25690	21.61000	-1.4012	21.538	-5.3008	-22.736	85.970E-6
110.30145	76.25690	21.61000	208.67E-6	21.538	-2.1943	-14.120	94.814E-6
112.86660	76.25690	21.61000	0.70066	21.538	-0.99813	-9.2490	78.684E-6
115.43175	76.25690	21.61000	1.0357	21.538	-0.49909	-6.3622	61.202E-6
117.99690	76.25690	21.61000	1.1739	21.538	-0.27047	-4.5610	47.171E-6
120.56205	76.25690	21.61000	1.2048	21.538	-0.15659	-3.3834	36.653E-6
123.12720	76.25690	21.61000	1.1775	21.538	-0.095717	-2.5818	28.867E-6
125.69235	76.25690	21.61000	1.1198	21.538	-0.061202	-2.0173	23.068E-6
128.25750	76.25690	21.61000	1.0478	21.538	-0.040639	-1.6080	18.695E-6
130.82265	76.25690	21.61000	0.97071	21.538	-0.027864	-1.3038	15.350E-6
133.38780	76.25690	21.61000	0.89380	21.538	-0.019637	-1.0728	12.755E-6
135.95295	76.25690	21.61000	0.81998	21.538	-0.014174	-0.89406	10.713E-6
138.51810	76.25690	21.61000	0.75075	21.538	-0.010446	-0.75352	9.0852E-6
141.08325	76.25690	21.61000	0.68674	21.538	-0.0078408	-0.64140	7.7730E-6
143.64840	76.25690	21.61000	0.62813	21.538	-0.0059824	-0.55081	6.7035E-6
146.21355	76.25690	21.61000	0.57476	21.538	-0.0046313	-0.47676	5.8229E-6
148.77870	76.25690	21.61000	0.52637	21.538	-0.0036326	-0.41561	5.0914E-6
151.34385	76.25690	21.61000	0.48257	21.538	-0.0028832	-0.36465	4.4785E-6
153.90900	76.25690	21.61000	0.44299	21.538	-0.0023130	-0.32181	3.9612E-6 !
0.00000	78.71680	21.61000	0.47659	21.538	-0.0011942	-0.23181	2.8712E-6
2.56515	78.71680	21.61000	0.52000	21.538	-0.0014631	-0.25980	3.2132E-6
5.13030	78.71680	21.61000	0.56812	21.538	-0.0018096	-0.29264	3.6132E-6
7.69545	78.71680	21.61000	0.62142	21.538	-0.0022616	-0.33144	4.0842E-6
10.26060	78.71680	21.61000	0.68034	21.538	-0.0028588	-0.37765	4.6429E-6
12.82575	78.71680	21.61000	0.74525	21.538	-0.0036591	-0.43315	5.3110E-6
15.39090	78.71680	21.61000	0.81640	21.538	-0.0047480	-0.50045	6.1165E-6
17.95605	78.71680	21.61000	0.89376	21.538	-0.0062545	-0.58290	7.0969E-6
20.52120	78.71680	21.61000	0.97684	21.538	-0.0083772	-0.68507	8.3021E-6
23.08635	78.71680	21.61000	1.0644	21.538	-0.011427	-0.81324	9.7994E-6
25.65150	78.71680	21.61000	1.1538	21.538	-0.015906	-0.97626	11.681E-6
28.21665	78.71680	21.61000	1.2405	21.538	-0.022634	-1.1868	14.075E-6
30.78180	78.71680	21.61000	1.3163	21.538	-0.032997	-1.4631	17.161E-6
33.34695	78.71680	21.61000	1.3674	21.538	-0.049383	-1.8326	21.191E-6

35.91210	78.71680	21.61000	1.3702	21.538	-0.076002	-2.3370	26.532E-6
38.47725	78.71680	21.61000	1.2843	21.538	-0.12042	-3.0420	33.724E-6
41.04240	78.71680	21.61000	1.0379	21.538	-0.19636	-4.0570	43.627E-6
43.60755	78.71680	21.61000	0.49471	21.538	-0.32832	-5.5862	57.884E-6
46.17270	78.71680	21.61000	-0.64509	21.538	-0.55664	-8.1528	81.555E-6
48.73785	78.71680	21.61000	-3.3709	21.538	-0.93687	-16.196	168.39E-6
51.30300	78.71680	21.61000	-10.104	21.538	-109.35	-330.76	34.272E-6
53.86815	78.71680	21.61000	-12.511	21.538	-111.51	-339.90	67.549E-6
56.43330	78.71680	21.61000	-14.066	21.538	-118.64	-351.64	-53.705E-6
58.99845	78.71680	21.61000	-15.045	21.538	-124.82	-361.25	-166.14E-6
61.56360	78.71680	21.61000	-15.352	21.538	-125.82	-363.52	-175.43E-6
64.12875	78.71680	21.61000	-15.122	21.538	-123.52	-359.22	-142.81E-6
66.69390	78.71680	21.61000	-14.435	21.538	-115.87	-348.33	8.9138E-6
69.25905	78.71680	21.61000	-13.807	21.538	-110.41	-338.90	96.667E-6
71.82420	78.71680	21.61000	-13.448	21.538	-108.98	-334.58	95.976E-6
74.38935	78.71680	21.61000	-13.211	21.538	-108.44	-331.93	83.241E-6
76.95450	78.71680	21.61000	-12.970	21.538	-107.24	-328.70	87.885E-6
79.51965	78.71680	21.61000	-12.608	21.538	-102.30	-322.44	195.65E-6
82.08480	78.71680	21.61000	-12.343	21.538	-88.455	-302.98	473.19E-6
84.64995	78.71680	21.61000	-13.012	21.538	-100.98	-325.39	282.519E-6
87.21510	78.71680	21.61000	-14.635	21.538	-116.83	-347.52	-37.498E-6
89.78025	78.71680	21.61000	-16.621	21.538	-138.41	-375.26	-502.86E-6
92.34540	78.71680	21.61000	-17.825	21.538	-149.16	-392.48	-691.89E-6
94.91055	78.71680	21.61000	-18.100	21.538	-152.25	-398.93	-727.52E-6
97.47570	78.71680	21.61000	-17.516	21.538	-151.52	-397.52	-717.42E-6
100.04085	78.71680	21.61000	-15.804	21.538	-146.49	-388.27	-644.21E-6
102.60600	78.71680	21.61000	-11.919	21.538	-134.81	-365.96	-483.80E-6
105.17115	78.71680	21.61000	-4.1667	21.538	-13.178	-37.731	-22.665E-6
107.73630	78.71680	21.61000	-1.3097	21.538	-5.2548	-21.943	77.732E-6
110.30145	78.71680	21.61000	0.057309	21.538	-2.1420	-13.567	89.840E-6
112.86660	78.71680	21.61000	0.72810	21.538	-0.96426	-8.8838	75.367E-6
115.43175	78.71680	21.61000	1.0438	21.538	-0.47998	-6.1234	58.919E-6
117.99690	78.71680	21.61000	1.1710	21.538	-0.25996	-4.4034	45.584E-6
120.56205	78.71680	21.61000	1.1961	21.538	-0.15074	-3.2775	35.542E-6
123.12720	78.71680	21.61000	1.1663	21.538	-0.092376	-2.5092	28.080E-6
125.69235	78.71680	21.61000	1.1080	21.538	-0.059235	-1.9664	22.502E-6
128.25750	78.71680	21.61000	1.0364	21.538	-0.039446	-1.5717	18.283E-6
130.82265	78.71680	21.61000	0.96011	21.538	-0.027119	-1.2773	15.046E-6
133.38780	78.71680	21.61000	0.88425	21.538	-0.019160	-1.0532	12.526E-6
135.95295	78.71680	21.61000	0.81151	21.538	-0.013860	-0.87934	10.539E-6
138.51810	78.71680	21.61000	0.74330	21.538	-0.010235	-0.74229	8.9519E-6
141.08325	78.71680	21.61000	0.68025	21.538	-0.0076963	-0.63273	7.6693E-6
143.64840	78.71680	21.61000	0.62248	21.538	-0.0058814	-0.54402	6.6219E-6
146.21355	78.71680	21.61000	0.56986	21.538	-0.0045596	-0.47140	5.7582E-6
148.77870	78.71680	21.61000	0.52212	21.538	-0.0035809	-0.41133	5.0395E-6
151.34385	78.71680	21.61000	0.47888	21.538	-0.0028453	-0.36120	4.4366E-6
153.90900	78.71680	21.61000	0.43979	21.538	-0.0022849	-0.31901	3.9269E-6 !
0.00000	81.17670	21.61000	0.47301	21.538	-0.0012227	-0.23260	2.8801E-6

2.56515	81.17670	21.61000	0.51589	21.538	-0.0015027	-0.26088	3.2252E-6
5.13030	81.17670	21.61000	0.56339	21.538	-0.0018655	-0.29412	3.6296E-6
7.69545	81.17670	21.61000	0.61596	21.538	-0.0023417	-0.33347	4.1067E-6
10.26060	81.17670	21.61000	0.67402	21.538	-0.0029754	-0.38045	4.6739E-6
12.82575	81.17670	21.61000	0.73794	21.538	-0.0038317	-0.43707	5.3538E-6
15.39090	81.17670	21.61000	0.80793	21.538	-0.0050086	-0.50598	6.1763E-6
17.95605	81.17670	21.61000	0.88394	21.538	-0.0066565	-0.59079	7.1811E-6
20.52120	81.17670	21.61000	0.96544	21.538	-0.0090117	-0.69648	8.4217E-6
23.08635	81.17670	21.61000	1.0511	21.538	-0.012455	-0.83001	9.9716E-6
25.65150	81.17670	21.61000	1.1384	21.538	-0.017619	-1.0013	11.932E-6
28.21665	81.17670	21.61000	1.2225	21.538	-0.025581	-1.2250	14.445E-6
30.78180	81.17670	21.61000	1.2953	21.538	-0.038245	-1.5226	17.712E-6
33.34695	81.17670	21.61000	1.3425	21.538	-0.059087	-1.9276	22.020E-6
35.91210	81.17670	21.61000	1.3401	21.538	-0.094701	-2.4924	27.781E-6
38.47725	81.17670	21.61000	1.2466	21.538	-0.15808	-3.3031	35.588E-6
41.04240	81.17670	21.61000	0.98833	21.538	-0.27579	-4.5075	46.296E-6
43.60755	81.17670	21.61000	0.42492	21.538	-0.50390	-6.3834	61.287E-6
46.17270	81.17670	21.61000	-0.75120	21.538	-0.96215	-9.5937	84.378E-6
48.73785	81.17670	21.61000	-3.5460	21.538	-1.8944	-18.804	165.06E-6
51.30300	81.17670	21.61000	-10.392	21.538	-111.30	-335.03	14.149E-6
53.86815	81.17670	21.61000	-12.880	21.538	-114.11	-345.15	35.530E-6
56.43330	81.17670	21.61000	-14.415	21.538	-120.93	-356.38	-80.723E-6
58.99845	81.17670	21.61000	-15.325	21.538	-126.62	-364.94	-187.52E-6
61.56360	81.17670	21.61000	-15.561	21.538	-127.32	-366.34	-196.29E-6
64.12875	81.17670	21.61000	-15.259	21.538	-124.71	-361.24	-162.22E-6
66.69390	81.17670	21.61000	-14.496	21.538	-116.67	-349.56	-5.7650E-6
69.25905	81.17670	21.61000	-13.782	21.538	-110.78	-339.38	88.381E-6
71.82420	81.17670	21.61000	-13.351	21.538	-109.06	-334.15	87.668E-6
74.38935	81.17670	21.61000	-13.065	21.538	-108.35	-331.06	75.536E-6
76.95450	81.17670	21.61000	-12.786	21.538	-107.11	-327.66	79.682E-6
79.51965	81.17670	21.61000	-12.375	21.538	-102.21	-321.36	185.20E-6
82.08480	81.17670	21.61000	-12.094	21.538	-96.916	-316.70	326.49E-6
84.64995	81.17670	21.61000	-12.537	21.538	-100.34	-322.85	274.75E-6
87.21510	81.17670	21.61000	-13.999	21.538	-115.17	-344.00	-19.148E-6
89.78025	81.17670	21.61000	-15.701	21.538	-135.94	-369.62	-480.49E-6
92.34540	81.17670	21.61000	-16.703	21.538	-146.33	-385.66	-671.09E-6
94.91055	81.17670	21.61000	-16.892	21.538	-149.26	-391.63	-706.37E-6
97.47570	81.17670	21.61000	-16.338	21.538	-148.58	-390.41	-695.96E-6
100.04085	81.17670	21.61000	-14.805	21.538	-144.04	-382.16	-628.44E-6
102.60600	81.17670	21.61000	-11.360	21.538	-133.33	-362.84	-467.31E-6
105.17115	81.17670	21.61000	-3.8122	21.538	-12.458	-35.249	-26.721E-6
107.73630	81.17670	21.61000	-1.0744	21.538	-4.8942	-20.231	69.800E-6
110.30145	81.17670	21.61000	0.18242	21.538	-1.9696	-12.533	83.333E-6
112.86660	81.17670	21.61000	0.78593	21.538	-0.88331	-8.2582	70.553E-6
115.43175	81.17670	21.61000	1.0642	21.538	-0.44092	-5.7360	55.520E-6
117.99690	81.17670	21.61000	1.1715	21.538	-0.24024	-4.1562	43.219E-6
120.56205	81.17670	21.61000	1.1868	21.538	-0.14030	-3.1149	33.891E-6
123.12720	81.17670	21.61000	1.1526	21.538	-0.086594	-2.3993	26.915E-6

125.69235	81.17670	21.61000	1.0929	21.538	-0.055899	-1.8902	21.669E-6
128.25750	81.17670	21.61000	1.0214	21.538	-0.037449	-1.5175	17.677E-6
130.82265	81.17670	21.61000	0.94612	21.538	-0.025884	-1.2381	14.599E-6
133.38780	81.17670	21.61000	0.87154	21.538	-0.018374	-1.0242	12.192E-6
135.95295	81.17670	21.61000	0.80019	21.538	-0.013346	-0.85761	10.285E-6
138.51810	81.17670	21.61000	0.73333	21.538	-0.0098908	-0.72574	8.7566E-6
141.08325	81.17670	21.61000	0.67152	21.538	-0.0074611	-0.61995	7.5174E-6
143.64840	81.17670	21.61000	0.61487	21.538	-0.0057175	-0.53403	6.5024E-6
146.21355	81.17670	21.61000	0.56324	21.538	-0.0044434	-0.46350	5.6632E-6
148.77870	81.17670	21.61000	0.51636	21.538	-0.0034972	-0.40502	4.9633E-6
151.34385	81.17670	21.61000	0.47389	21.538	-0.0027841	-0.35611	4.3749E-6
153.90900	81.17670	21.61000	0.43544	21.538	-0.0022396	-0.31487	3.8766E-6 !
0.00000	83.63660	21.61000	0.46821	21.538	-0.0012438	-0.23259	2.8791E-6
2.56515	83.63660	21.61000	0.51038	21.538	-0.0015327	-0.26099	3.2254E-6
5.13030	83.63660	21.61000	0.55705	21.538	-0.0019087	-0.29441	3.6317E-6
7.69545	83.63660	21.61000	0.60866	21.538	-0.0024047	-0.33405	4.1117E-6
10.26060	83.63660	21.61000	0.66561	21.538	-0.0030689	-0.38149	4.6833E-6
12.82575	83.63660	21.61000	0.72824	21.538	-0.0039731	-0.43879	5.3701E-6
15.39090	83.63660	21.61000	0.79673	21.538	-0.0052269	-0.50876	6.2030E-6
17.95605	83.63660	21.61000	0.87101	21.538	-0.0070011	-0.59523	7.2239E-6
20.52120	83.63660	21.61000	0.95052	21.538	-0.0095697	-0.70354	8.4895E-6
23.08635	83.63660	21.61000	1.0339	21.538	-0.013385	-0.84129	10.078E-6
25.65150	83.63660	21.61000	1.1186	21.538	-0.019218	-1.0195	12.100E-6
28.21665	83.63660	21.61000	1.1998	21.538	-0.028433	-1.2547	14.711E-6
30.78180	83.63660	21.61000	1.2691	21.538	-0.043541	-1.5721	18.135E-6
33.34695	83.63660	21.61000	1.3123	21.538	-0.069382	-2.0119	22.692E-6
35.91210	83.63660	21.61000	1.3047	21.538	-0.11577	-2.6400	28.842E-6
38.47725	83.63660	21.61000	1.2037	21.538	-0.20375	-3.5691	37.210E-6
41.04240	83.63660	21.61000	0.93317	21.538	-0.38145	-5.0030	48.542E-6
43.60755	83.63660	21.61000	0.34788	21.538	-0.76689	-7.3391	63.384E-6
46.17270	83.63660	21.61000	-0.86727	21.538	-1.6745	-11.501	81.493E-6
48.73785	83.63660	21.61000	-3.7309	21.538	-4.0422	-22.685	132.83E-6
51.30300	83.63660	21.61000	-10.828	21.538	-117.20	-342.85	-110.02E-6
53.86815	83.63660	21.61000	-13.544	21.538	-122.38	-355.48	-146.52E-6
56.43330	83.63660	21.61000	-15.005	21.538	-127.39	-364.92	-216.86E-6
58.99845	83.63660	21.61000	-15.749	21.538	-130.85	-370.78	-274.10E-6
61.56360	83.63660	21.61000	-15.868	21.538	-130.81	-370.71	-273.40E-6
64.12875	83.63660	21.61000	-15.458	21.538	-127.53	-364.50	-227.44E-6
66.69390	83.63660	21.61000	-14.578	21.538	-118.54	-351.71	-49.413E-6
69.25905	83.63660	21.61000	-13.749	21.538	-111.69	-340.39	66.852E-6
71.82420	83.63660	21.61000	-13.232	21.538	-109.39	-334.31	77.191E-6
74.38935	83.63660	21.61000	-12.895	21.538	-108.46	-330.81	68.241E-6
76.95450	83.63660	21.61000	-12.591	21.538	-107.31	-327.55	70.681E-6
79.51965	83.63660	21.61000	-12.179	21.538	-103.09	-322.12	161.71E-6
82.08480	83.63660	21.61000	-11.848	21.538	-98.430	-318.10	286.91E-6
84.64995	83.63660	21.61000	-12.067	21.538	-101.05	-323.14	251.57E-6
87.21510	83.63660	21.61000	-12.979	21.538	-113.21	-339.87	3.1441E-6
89.78025	83.63660	21.61000	-13.993	21.538	-130.79	-360.55	-400.42E-6

92.34540	83.63660	21.61000	-14.506	21.538	-139.54	-373.40	-569.01E-6
94.91055	83.63660	21.61000	-14.472	21.538	-141.81	-377.99	-596.69E-6
97.47570	83.63660	21.61000	-13.898	21.538	-141.03	-376.67	-584.02E-6
100.04085	83.63660	21.61000	-12.584	21.538	-137.23	-369.72	-528.15E-6
102.60600	83.63660	21.61000	-9.7998	21.538	-128.63	-354.23	-398.30E-6
105.17115	83.63660	21.61000	-2.9920	21.538	-10.240	-30.329	-4.9300E-6
107.73630	83.63660	21.61000	-0.65812	21.538	-4.0534	-17.464	66.717E-6
110.30145	83.63660	21.61000	0.37814	21.538	-1.6542	-11.031	76.338E-6
112.86660	83.63660	21.61000	0.87163	21.538	-0.75530	-7.4032	64.628E-6
115.43175	83.63660	21.61000	1.0947	21.538	-0.38394	-5.2237	51.225E-6
117.99690	83.63660	21.61000	1.1743	21.538	-0.21273	-3.8350	40.216E-6
120.56205	83.63660	21.61000	1.1762	21.538	-0.12608	-2.9056	31.794E-6
123.12720	83.63660	21.61000	1.1361	21.538	-0.078813	-2.2582	25.435E-6
125.69235	83.63660	21.61000	1.0744	21.538	-0.051437	-1.7925	20.608E-6
128.25750	83.63660	21.61000	1.0031	21.538	-0.034785	-1.4482	16.905E-6
130.82265	83.63660	21.61000	0.92891	21.538	-0.024237	-1.1878	14.028E-6
133.38780	83.63660	21.61000	0.85589	21.538	-0.017324	-0.98707	11.764E-6
135.95295	83.63660	21.61000	0.78620	21.538	-0.012659	-0.82967	9.9596E-6
138.51810	83.63660	21.61000	0.72098	21.538	-0.0094305	-0.70442	8.5058E-6
141.08325	83.63660	21.61000	0.66070	21.538	-0.0071460	-0.60346	7.3219E-6
143.64840	83.63660	21.61000	0.60542	21.538	-0.0054976	-0.52112	6.3483E-6
146.21355	83.63660	21.61000	0.55501	21.538	-0.0042872	-0.45328	5.5405E-6
148.77870	83.63660	21.61000	0.50920	21.538	-0.0033845	-0.39685	4.8646E-6
151.34385	83.63660	21.61000	0.46765	21.538	-0.0027017	-0.34951	4.2949E-6
153.90900	83.63660	21.61000	0.43000	21.538	-0.0021785	-0.30949	3.8113E-6 !
0.00000	86.09650	21.61000	0.46225	21.538	-0.0012566	-0.23175	2.8680E-6
2.56515	86.09650	21.61000	0.50354	21.538	-0.0015516	-0.26009	3.2134E-6
5.13030	86.09650	21.61000	0.54920	21.538	-0.0019368	-0.29348	3.6189E-6
7.69545	86.09650	21.61000	0.59964	21.538	-0.0024472	-0.33312	4.0984E-6
10.26060	86.09650	21.61000	0.65523	21.538	-0.0031341	-0.38063	4.6701E-6
12.82575	86.09650	21.61000	0.71628	21.538	-0.0040747	-0.43813	5.3580E-6
15.39090	86.09650	21.61000	0.78296	21.538	-0.0053883	-0.50852	6.1940E-6
17.95605	86.09650	21.61000	0.85518	21.538	-0.0072633	-0.59579	7.2211E-6
20.52120	86.09650	21.61000	0.93235	21.538	-0.010007	-0.70557	8.4985E-6
23.08635	86.09650	21.61000	1.0132	21.538	-0.014136	-0.84593	10.108E-6
25.65150	86.09650	21.61000	1.0950	21.538	-0.020553	-1.0289	12.168E-6
28.21665	86.09650	21.61000	1.1730	21.538	-0.030900	-1.2726	14.843E-6
30.78180	86.09650	21.61000	1.2389	21.538	-0.048312	-1.6057	18.377E-6
33.34695	86.09650	21.61000	1.2784	21.538	-0.079101	-2.0751	23.120E-6
35.91210	86.09650	21.61000	1.2665	21.538	-0.13679	-2.7604	29.564E-6
38.47725	86.09650	21.61000	1.1599	21.538	-0.25244	-3.8043	38.331E-6
41.04240	86.09650	21.61000	0.87987	21.538	-0.50331	-5.4759	49.893E-6
43.60755	86.09650	21.61000	0.27663	21.538	-1.0989	-8.3189	63.180E-6
46.17270	86.09650	21.61000	-0.96379	21.538	-2.6531	-13.543	70.252E-6
48.73785	86.09650	21.61000	-3.6657	21.538	-6.9682	-25.022	51.802E-6
51.30300	86.09650	21.61000	-11.009	21.538	-124.30	-348.77	-303.42E-6
53.86815	86.09650	21.61000	-14.211	21.538	-132.30	-365.78	-391.69E-6
56.43330	86.09650	21.61000	-15.591	21.538	-135.73	-373.38	-425.55E-6

58.99845	86.09650	21.61000	-16.136	21.538	-136.90	-376.35	-432.01E-6
61.56360	86.09650	21.61000	-16.112	21.538	-135.93	-374.69	-416.38E-6
64.12875	86.09650	21.61000	-15.570	21.538	-131.64	-367.41	-346.16E-6
66.69390	86.09650	21.61000	-14.568	21.538	-121.61	-354.01	-136.01E-6
69.25905	86.09650	21.61000	-13.606	21.538	-113.26	-341.71	24.387E-6
71.82420	86.09650	21.61000	-12.987	21.538	-109.92	-334.64	61.266E-6
74.38935	86.09650	21.61000	-12.599	21.538	-108.67	-330.77	59.731E-6
76.95450	86.09650	21.61000	-12.291	21.538	-107.82	-328.03	57.343E-6
79.51965	86.09650	21.61000	-11.939	21.538	-105.90	-324.94	91.224E-6
82.08480	86.09650	21.61000	-11.592	21.538	-104.08	-323.21	137.81E-6
84.64995	86.09650	21.61000	-11.443	21.538	-105.82	-326.53	114.13E-6
87.21510	86.09650	21.61000	-11.415	21.538	-112.58	-335.53	-27.873E-6
89.78025	86.09650	21.61000	-9.3305	21.538	-62.772	-183.69	-58.127E-6
92.34540	86.09650	21.61000	-8.3254	21.538	-22.480	-90.027	284.14E-6
94.91055	86.09650	21.61000	-7.7216	21.538	-21.463	-69.508	64.394E-6
97.47570	86.09650	21.61000	-6.9569	21.538	-20.384	-59.528	-20.411E-6
100.04085	86.09650	21.61000	-5.8183	21.538	-17.718	-50.145	-37.855E-6
102.60600	86.09650	21.61000	-4.0413	21.538	-12.598	-38.540	9.3708E-6
105.17115	86.09650	21.61000	-1.5487	21.538	-6.5380	-22.237	32.999E-6
107.73630	86.09650	21.61000	-0.099270	21.538	-2.8190	-13.926	68.799E-6
110.30145	86.09650	21.61000	0.61952	21.538	-1.2382	-9.2227	69.293E-6
112.86660	86.09650	21.61000	0.97302	21.538	-0.59690	-6.4013	58.002E-6
115.43175	86.09650	21.61000	1.1296	21.538	-0.31575	-4.6299	46.328E-6
117.99690	86.09650	21.61000	1.1769	21.538	-0.18029	-3.4636	36.768E-6
120.56205	86.09650	21.61000	1.1634	21.538	-0.10939	-2.6632	29.374E-6
123.12720	86.09650	21.61000	1.1166	21.538	-0.069687	-2.0944	23.718E-6
125.69235	86.09650	21.61000	1.0528	21.538	-0.046187	-1.6785	19.372E-6
128.25750	86.09650	21.61000	0.98158	21.538	-0.031637	-1.3669	16.002E-6
130.82265	86.09650	21.61000	0.90872	21.538	-0.022282	-1.1286	13.357E-6
133.38780	86.09650	21.61000	0.83751	21.538	-0.016072	-0.94312	11.258E-6
135.95295	86.09650	21.61000	0.76977	21.538	-0.011836	-0.79651	9.5735E-6
138.51810	86.09650	21.61000	0.70646	21.538	-0.0088760	-0.67903	8.2073E-6
141.08325	86.09650	21.61000	0.64794	21.538	-0.0067647	-0.58375	7.0883E-6
143.64840	86.09650	21.61000	0.59427	21.538	-0.0052304	-0.50564	6.1636E-6
146.21355	86.09650	21.61000	0.54528	21.538	-0.0040969	-0.44098	5.3930E-6
148.77870	86.09650	21.61000	0.50072	21.538	-0.0032467	-0.38699	4.7458E-6
151.34385	86.09650	21.61000	0.46025	21.538	-0.0026005	-0.34153	4.1983E-6
153.90900	86.09650	21.61000	0.42355	21.538	-0.0021033	-0.30298	3.7321E-6 !
0.00000	88.55640	21.61000	0.45519	21.538	-0.0012604	-0.23007	2.8467E-6
2.56515	88.55640	21.61000	0.49546	21.538	-0.0015584	-0.25818	3.1891E-6
5.13030	88.55640	21.61000	0.53994	21.538	-0.0019484	-0.29129	3.5910E-6
7.69545	88.55640	21.61000	0.58900	21.538	-0.0024667	-0.33064	4.0664E-6
10.26060	88.55640	21.61000	0.64300	21.538	-0.0031665	-0.37782	4.6336E-6
12.82575	88.55640	21.61000	0.70224	21.538	-0.0041289	-0.43499	5.3165E-6
15.39090	88.55640	21.61000	0.76684	21.538	-0.0054798	-0.50508	6.1472E-6
17.95605	88.55640	21.61000	0.83670	21.538	-0.0074202	-0.59216	7.1694E-6
20.52120	88.55640	21.61000	0.91125	21.538	-0.010282	-0.70199	8.4431E-6
23.08635	88.55640	21.61000	0.98917	21.538	-0.014629	-0.84297	10.053E-6

25.65150	88.55640	21.61000	1.0679	21.538	-0.021468	-1.0277	12.118E-6
28.21665	88.55640	21.61000	1.1428	21.538	-0.032664	-1.2755	14.813E-6
30.78180	88.55640	21.61000	1.2056	21.538	-0.051877	-1.6175	18.391E-6
33.34695	88.55640	21.61000	1.2424	21.538	-0.086718	-2.1057	23.218E-6
35.91210	88.55640	21.61000	1.2285	21.538	-0.15417	-2.8313	29.799E-6
38.47725	88.55640	21.61000	1.1204	21.538	-0.29522	-3.9625	38.707E-6
41.04240	88.55640	21.61000	0.83809	21.538	-0.61780	-5.8288	50.012E-6
43.60755	88.55640	21.61000	0.22796	21.538	-1.4310	-9.1093	60.590E-6
46.17270	88.55640	21.61000	-1.0274	21.538	-3.6558	-15.254	53.923E-6
48.73785	88.55640	21.61000	-3.7020	21.538	-9.6009	-27.863	-11.826E-6
51.30300	88.55640	21.61000	-11.138	21.538	-128.46	-352.72	-410.68E-6
53.86815	88.55640	21.61000	-14.481	21.538	-137.64	-370.57	-532.85E-6
56.43330	88.55640	21.61000	-15.737	21.538	-140.98	-377.09	-576.77E-6
58.99845	88.55640	21.61000	-16.076	21.538	-141.19	-378.34	-569.17E-6
61.56360	88.55640	21.61000	-15.890	21.538	-139.55	-375.50	-542.87E-6
64.12875	88.55640	21.61000	-15.240	21.538	-134.70	-367.77	-456.88E-6
66.69390	88.55640	21.61000	-14.180	21.538	-124.64	-354.95	-238.55E-6
69.25905	88.55640	21.61000	-13.128	21.538	-114.96	-342.37	-31.698E-6
71.82420	88.55640	21.61000	-12.431	21.538	-110.45	-334.54	40.249E-6
74.38935	88.55640	21.61000	-12.008	21.538	-108.86	-330.43	48.329E-6
76.95450	88.55640	21.61000	-11.696	21.538	-108.23	-328.16	43.642E-6
79.51965	88.55640	21.61000	-11.356	21.538	-107.80	-326.76	42.294E-6
82.08480	88.55640	21.61000	-10.834	21.538	-107.74	-326.27	38.478E-6
84.64995	88.55640	21.61000	-10.013	21.538	-108.74	-326.83	7.8147E-6
87.21510	88.55640	21.61000	-9.1471	21.538	-111.26	-330.22	-44.757E-6
89.78025	88.55640	21.61000	-4.6749	21.538	-6.7627	-29.471	115.52E-6
92.34540	88.55640	21.61000	-3.3163	21.538	-8.8397	-27.382	10.860E-6
94.91055	88.55640	21.61000	-2.9049	21.538	-9.4213	-28.642	4.7505E-6
97.47570	88.55640	21.61000	-2.5048	21.538	-9.0108	-27.807	9.7505E-6
100.04085	88.55640	21.61000	-1.9343	21.538	-7.7693	-24.916	20.227E-6
102.60600	88.55640	21.61000	-1.1391	21.538	-5.6648	-20.246	40.901E-6
105.17115	88.55640	21.61000	-0.25069	21.538	-3.3081	-14.892	62.488E-6
107.73630	88.55640	21.61000	0.43966	21.538	-1.6717	-10.463	68.531E-6
110.30145	88.55640	21.61000	0.85500	21.538	-0.83390	-7.4009	61.633E-6
112.86660	88.55640	21.61000	1.0706	21.538	-0.43859	-5.3715	51.022E-6
115.43175	88.55640	21.61000	1.1609	21.538	-0.24624	-4.0099	41.151E-6
117.99690	88.55640	21.61000	1.1758	21.538	-0.14670	-3.0706	33.093E-6
120.56205	88.55640	21.61000	1.1469	21.538	-0.091878	-2.4036	26.771E-6
123.12720	88.55640	21.61000	1.0935	21.538	-0.059981	-1.9172	21.855E-6
125.69235	88.55640	21.61000	1.0278	21.538	-0.040539	-1.5540	18.020E-6
128.25750	88.55640	21.61000	0.95705	21.538	-0.028214	-1.2774	15.005E-6
130.82265	88.55640	21.61000	0.88579	21.538	-0.020134	-1.0629	12.612E-6
133.38780	88.55640	21.61000	0.81666	21.538	-0.014685	-0.89405	10.693E-6
135.95295	88.55640	21.61000	0.75113	21.538	-0.010916	-0.75926	9.1396E-6
138.51810	88.55640	21.61000	0.68997	21.538	-0.0082525	-0.65035	7.8701E-6
141.08325	88.55640	21.61000	0.63345	21.538	-0.0063333	-0.56139	6.8233E-6
143.64840	88.55640	21.61000	0.58158	21.538	-0.0049265	-0.48800	5.9532E-6
146.21355	88.55640	21.61000	0.53420	21.538	-0.0038791	-0.42692	5.2244E-6

148.77870	88.55640	21.61000	0.49103	21.538	-0.0030884	-0.37567	4.6094E-6
151.34385	88.55640	21.61000	0.45180	21.538	-0.0024838	-0.33234	4.0871E-6
153.90900	88.55640	21.61000	0.41616	21.538	-0.0020161	-0.29546	3.6408E-6 !
0.00000	91.01630	21.61000	0.44712	21.538	-0.0012549	-0.22757	2.8155E-6
2.56515	91.01630	21.61000	0.48623	21.538	-0.0015524	-0.25525	3.1525E-6
5.13030	91.01630	21.61000	0.52936	21.538	-0.0019423	-0.28787	3.5481E-6
7.69545	91.01630	21.61000	0.57688	21.538	-0.0024612	-0.32660	4.0158E-6
10.26060	91.01630	21.61000	0.62911	21.538	-0.0031631	-0.37305	4.5736E-6
12.82575	91.01630	21.61000	0.68630	21.538	-0.0041306	-0.42933	5.2452E-6
15.39090	91.01630	21.61000	0.74860	21.538	-0.0054923	-0.49835	6.0621E-6
17.95605	91.01630	21.61000	0.81586	21.538	-0.0074549	-0.58415	7.0674E-6
20.52120	91.01630	21.61000	0.88755	21.538	-0.010361	-0.69249	8.3206E-6
23.08635	91.01630	21.61000	0.96239	21.538	-0.014801	-0.83179	9.9054E-6
25.65150	91.01630	21.61000	1.0379	21.538	-0.021832	-1.0147	11.941E-6
28.21665	91.01630	21.61000	1.1098	21.538	-0.033446	-1.2611	14.602E-6
30.78180	91.01630	21.61000	1.1702	21.538	-0.053602	-1.6028	18.141E-6
33.34695	91.01630	21.61000	1.2059	21.538	-0.090706	-2.0942	22.922E-6
35.91210	91.01630	21.61000	1.1932	21.538	-0.16398	-2.8320	29.438E-6
38.47725	91.01630	21.61000	1.0902	21.538	-0.32135	-3.9987	38.176E-6
41.04240	91.01630	21.61000	0.88755	21.538	-0.69381	-5.9597	48.789E-6
43.60755	91.01630	21.61000	0.22466	21.538	-1.6705	-9.4818	56.237E-6
46.17270	91.01630	21.61000	-1.0128	21.538	-4.4186	-16.177	36.747E-6
48.73785	91.01630	21.61000	-3.6692	21.538	-11.585	-29.636	-64.392E-6
51.30300	91.01630	21.61000	-11.055	21.538	-131.56	-354.84	-501.28E-6
53.86815	91.01630	21.61000	-14.240	21.538	-140.77	-371.93	-633.62E-6
56.43330	91.01630	21.61000	-15.145	21.538	-142.89	-376.48	-656.50E-6
58.99845	91.01630	21.61000	-15.034	21.538	-141.42	-375.30	-615.85E-6
61.56360	91.01630	21.61000	-14.577	21.538	-138.99	-371.21	-575.46E-6
64.12875	91.01630	21.61000	-13.858	21.538	-134.38	-363.75	-495.59E-6
66.69390	91.01630	21.61000	-12.845	21.538	-125.16	-352.22	-292.72E-6
69.25905	91.01630	21.61000	-11.847	21.538	-115.41	-340.48	-72.339E-6
71.82420	91.01630	21.61000	-11.179	21.538	-110.56	-332.90	15.165E-6
74.38935	91.01630	21.61000	-10.770	21.538	-108.90	-328.94	28.304E-6
76.95450	91.01630	21.61000	-10.463	21.538	-108.34	-326.97	24.352E-6
79.51965	91.01630	21.61000	-10.087	21.538	-108.18	-325.99	18.348E-6
82.08480	91.01630	21.61000	-9.2101	21.538	-108.28	-324.69	-1.8153E-6
84.64995	91.01630	21.61000	-4.6058	21.538	-0.95229	-19.811	213.28E-6
87.21510	91.01630	21.61000	-3.0823	21.538	-1.7923	-17.555	153.20E-6
89.78025	91.01630	21.61000	-1.8232	21.538	-2.7893	-16.101	97.286E-6
92.34540	91.01630	21.61000	-1.0909	21.538	-3.5073	-16.567	76.055E-6
94.91055	91.01630	21.61000	-0.77519	21.538	-3.7596	-17.151	73.868E-6
97.47570	91.01630	21.61000	-0.52640	21.538	-3.6128	-16.685	73.553E-6
100.04085	91.01630	21.61000	-0.22993	21.538	-3.1326	-15.159	72.475E-6
102.60600	91.01630	21.61000	0.13562	21.538	-2.3836	-12.807	71.159E-6
105.17115	91.01630	21.61000	0.51852	21.538	-1.5648	-10.133	68.417E-6
107.73630	91.01630	21.61000	0.83385	21.538	-0.92384	-7.7093	62.118E-6
110.30145	91.01630	21.61000	1.0399	21.538	-0.52743	-5.8123	53.214E-6
112.86660	91.01630	21.61000	1.1467	21.538	-0.30614	-4.4207	44.060E-6

115.43175	91.01630	21.61000	1.1810	21.538	-0.18428	-3.4152	36.009E-6
117.99690	91.01630	21.61000	1.1679	21.538	-0.11544	-2.6833	29.400E-6
120.56205	91.01630	21.61000	1.1255	21.538	-0.075053	-2.1424	24.120E-6
123.12720	91.01630	21.61000	1.0666	21.538	-0.050429	-1.7358	19.933E-6
125.69235	91.01630	21.61000	0.99959	21.538	-0.034869	-1.4249	16.609E-6
128.25750	91.01630	21.61000	0.92972	21.538	-0.024720	-1.1834	13.955E-6
130.82265	91.01630	21.61000	0.86038	21.538	-0.017912	-0.99327	11.819E-6
133.38780	91.01630	21.61000	0.79362	21.538	-0.013231	-0.84156	10.088E-6
135.95295	91.01630	21.61000	0.73055	21.538	-0.0099425	-0.71911	8.6713E-6
138.51810	91.01630	21.61000	0.67175	21.538	-0.0075862	-0.61923	7.5037E-6
141.08325	91.01630	21.61000	0.61742	21.538	-0.0058685	-0.53698	6.5338E-6
143.64840	91.01630	21.61000	0.56753	21.538	-0.0045966	-0.46865	5.7222E-6
146.21355	91.01630	21.61000	0.52190	21.538	-0.0036413	-0.41142	5.0383E-6
148.77870	91.01630	21.61000	0.48028	21.538	-0.0029145	-0.36314	4.4584E-6
151.34385	91.01630	21.61000	0.44239	21.538	-0.0023550	-0.32213	3.9635E-6
153.90900	91.01630	21.61000	0.40792	21.538	-0.0019195	-0.28706	3.5389E-6 !
0.00000	93.47620	21.61000	0.43813	21.538	-0.0012399	-0.22427	2.7745E-6
2.56515	93.47620	21.61000	0.47596	21.538	-0.0015335	-0.25135	3.1042E-6
5.13030	93.47620	21.61000	0.51761	21.538	-0.0019182	-0.28323	3.4907E-6
7.69545	93.47620	21.61000	0.56343	21.538	-0.0024302	-0.32105	3.9472E-6
10.26060	93.47620	21.61000	0.61371	21.538	-0.0031227	-0.36636	4.4910E-6
12.82575	93.47620	21.61000	0.66869	21.538	-0.0040774	-0.42120	5.1449E-6
15.39090	93.47620	21.61000	0.72848	21.538	-0.0054214	-0.48838	5.9393E-6
17.95605	93.47620	21.61000	0.79296	21.538	-0.0073591	-0.57181	6.9157E-6
20.52120	93.47620	21.61000	0.86160	21.538	-0.010230	-0.67705	8.1314E-6
23.08635	93.47620	21.61000	0.93324	21.538	-0.014618	-0.81225	9.6665E-6
25.65150	93.47620	21.61000	1.0056	21.538	-0.021575	-0.98966	11.636E-6
28.21665	93.47620	21.61000	1.0747	21.538	-0.033081	-1.2284	14.205E-6
30.78180	93.47620	21.61000	1.1335	21.538	-0.053091	-1.5595	17.615E-6
33.34695	93.47620	21.61000	1.1697	21.538	-0.090040	-2.0356	22.210E-6
35.91210	93.47620	21.61000	1.1622	21.538	-0.16337	-2.7509	28.441E-6
38.47725	93.47620	21.61000	1.0726	21.538	-0.32211	-3.8839	36.703E-6
41.04240	93.47620	21.61000	0.82946	21.538	-0.70295	-5.7948	46.370E-6
43.60755	93.47620	21.61000	0.29018	21.538	-1.7234	-9.2477	51.297E-6
46.17270	93.47620	21.61000	-0.84974	21.538	-4.6697	-15.856	23.234E-6
48.73785	93.47620	21.61000	-3.3372	21.538	-12.318	-29.064	-99.264E-6
51.30300	93.47620	21.61000	-10.431	21.538	-131.96	-353.09	-538.25E-6
53.86815	93.47620	21.61000	-13.181	21.538	-139.24	-367.74	-628.88E-6
56.43330	93.47620	21.61000	-13.280	21.538	-138.32	-367.92	-591.76E-6
58.99845	93.47620	21.61000	-11.293	21.538	-133.14	-341.63	-727.06E-6
61.56360	93.47620	21.61000	-10.322	21.538	-129.55	-335.55	-668.09E-6
64.12875	93.47620	21.61000	-9.5831	21.538	-125.94	-329.10	-612.96E-6
66.69390	93.47620	21.61000	-8.7362	21.538	-119.68	-317.93	-517.29E-6
69.25905	93.47620	21.61000	-8.2865	21.538	-113.54	-322.08	-233.27E-6
71.82420	93.47620	21.61000	-7.9079	21.538	-110.00	-318.67	-142.58E-6
74.38935	93.47620	21.61000	-7.5712	21.538	-108.68	-315.44	-133.45E-6
76.95450	93.47620	21.61000	-7.3023	21.538	-108.23	-313.80	-136.95E-6
79.51965	93.47620	21.61000	-6.9700	21.538	-108.10	-313.29	-138.71E-6

82.08480	93.47620	21.61000	-6.1677	21.538	-108.15	-312.16	-154.49E-6
84.64995	93.47620	21.61000	-1.9794	21.538	-0.60305	-12.208	130.82E-6
87.21510	93.47620	21.61000	-0.70204	21.538	-0.89154	-9.4262	84.936E-6
89.78025	93.47620	21.61000	-0.15841	21.538	-1.2237	-10.014	79.796E-6
92.34540	93.47620	21.61000	0.16464	21.538	-1.4750	-10.625	78.003E-6
94.91055	93.47620	21.61000	0.35183	21.538	-1.5778	-10.880	77.328E-6
97.47570	93.47620	21.61000	0.49060	21.538	-1.5284	-10.594	75.591E-6
100.04085	93.47620	21.61000	0.63269	21.538	-1.3480	-9.7668	71.993E-6
102.60600	93.47620	21.61000	0.79114	21.538	-1.0739	-8.5268	66.740E-6
105.17115	93.47620	21.61000	0.94918	21.538	-0.77198	-7.0988	60.170E-6
107.73630	93.47620	21.61000	1.0781	21.538	-0.51290	-5.7224	52.632E-6
110.30145	93.47620	21.61000	1.1595	21.538	-0.32770	-4.5461	44.824E-6
112.86660	93.47620	21.61000	1.1924	21.538	-0.20832	-3.6072	37.518E-6
115.43175	93.47620	21.61000	1.1857	21.538	-0.13438	-2.8803	31.163E-6
117.99690	93.47620	21.61000	1.1511	21.538	-0.088684	-2.3220	25.864E-6
120.56205	93.47620	21.61000	1.0985	21.538	-0.060006	-1.8920	21.537E-6
123.12720	93.47620	21.61000	1.0358	21.538	-0.041596	-1.5581	18.031E-6
125.69235	93.47620	21.61000	0.96830	21.538	-0.029486	-1.2961	15.193E-6
128.25750	93.47620	21.61000	0.89985	21.538	-0.021332	-1.0884	12.887E-6
130.82265	93.47620	21.61000	0.83282	21.538	-0.015718	-0.92197	11.005E-6
133.38780	93.47620	21.61000	0.76869	21.538	-0.011775	-0.78726	9.4595E-6
135.95295	93.47620	21.61000	0.70830	21.538	-0.0089542	-0.67721	8.1814E-6
138.51810	93.47620	21.61000	0.65206	21.538	-0.0069023	-0.58650	7.1178E-6
141.08325	93.47620	21.61000	0.60008	21.538	-0.0053867	-0.51113	6.2268E-6
143.64840	93.47620	21.61000	0.55230	21.538	-0.0042516	-0.44802	5.4757E-6
146.21355	93.47620	21.61000	0.50854	21.538	-0.0033907	-0.39481	4.8388E-6
148.77870	93.47620	21.61000	0.46858	21.538	-0.0027300	-0.34965	4.2956E-6
151.34385	93.47620	21.61000	0.43214	21.538	-0.0022174	-0.31108	3.8298E-6
153.90900	93.47620	21.61000	0.39893	21.538	-0.0018158	-0.27795	3.4282E-6 !
0.00000	95.93610	21.61000	0.42830	21.538	-0.0012158	-0.22021	2.7244E-6
2.56515	95.93610	21.61000	0.46475	21.538	-0.0015020	-0.24653	3.0447E-6
5.13030	95.93610	21.61000	0.50482	21.538	-0.0018766	-0.27745	3.4195E-6
7.69545	95.93610	21.61000	0.54881	21.538	-0.0023743	-0.31407	3.8615E-6
10.26060	95.93610	21.61000	0.59701	21.538	-0.0030463	-0.35785	4.3869E-6
12.82575	95.93610	21.61000	0.64963	21.538	-0.0039707	-0.41074	5.0173E-6
15.39090	95.93610	21.61000	0.70676	21.538	-0.0052689	-0.47536	5.7812E-6
17.95605	95.93610	21.61000	0.76830	21.538	-0.0071353	-0.55538	6.7175E-6
20.52120	95.93610	21.61000	0.83377	21.538	-0.0098908	-0.65601	7.8794E-6
23.08635	95.93610	21.61000	0.90212	21.538	-0.014086	-0.78481	9.3414E-6
25.65150	95.93610	21.61000	0.97137	21.538	-0.020701	-0.95310	11.209E-6
28.21665	95.93610	21.61000	1.0380	21.538	-0.031573	-1.1784	13.633E-6
30.78180	95.93610	21.61000	1.0958	21.538	-0.050331	-1.4889	16.831E-6
33.34695	95.93610	21.61000	1.1343	21.538	-0.084626	-1.9317	21.107E-6
35.91210	95.93610	21.61000	1.1355	21.538	-0.15185	-2.5901	26.853E-6
38.47725	95.93610	21.61000	1.0675	21.538	-0.29522	-3.6193	34.390E-6
41.04240	95.93610	21.61000	0.87128	21.538	-0.63337	-5.3257	43.094E-6
43.60755	95.93610	21.61000	0.43210	21.538	-1.5239	-8.3443	47.459E-6
46.17270	95.93610	21.61000	-0.49196	21.538	-4.0540	-13.978	22.848E-6

48.73785	95.93610	21.61000	-2.5101	21.538	-10.449	-24.993	-79.932E-6
51.30300	95.93610	21.61000	-8.7962	21.538	-127.46	-345.00	-470.35E-6
53.86815	95.93610	21.61000	-10.868	21.538	-132.09	-356.07	-505.55E-6
56.43330	95.93610	21.61000	-10.259	21.538	-129.23	-352.48	-442.88E-6
58.99845	95.93610	21.61000	-5.1827	21.538	-15.295	-38.291	-95.538E-6
61.56360	95.93610	21.61000	-3.8847	21.538	-11.441	-31.194	-39.343E-6
64.12875	95.93610	21.61000	-3.2150	21.538	-9.0224	-26.279	-9.9166E-6
66.69390	95.93610	21.61000	-2.6530	21.538	-6.1863	-20.970	30.335E-6
69.25905	95.93610	21.61000	-2.1960	21.538	-3.2817	-15.934	76.595E-6
71.82420	95.93610	21.61000	-1.8628	21.538	-1.5012	-12.245	97.391E-6
74.38935	95.93610	21.61000	-1.6111	21.538	-0.71503	-9.9580	98.287E-6
76.95450	95.93610	21.61000	-1.4004	21.538	-0.40517	-8.6904	94.035E-6
79.51965	95.93610	21.61000	-1.1523	21.538	-0.30106	-8.0284	89.637E-6
82.08480	95.93610	21.61000	-0.73632	21.538	-0.30093	-7.5542	83.675E-6
84.64995	95.93610	21.61000	-0.088250	21.538	-0.36724	-6.8194	71.929E-6
87.21510	95.93610	21.61000	0.41520	21.538	-0.47684	-6.6861	66.117E-6
89.78025	95.93610	21.61000	0.69866	21.538	-0.59705	-6.9754	65.219E-6
92.34540	95.93610	21.61000	0.86195	21.538	-0.69037	-7.2559	65.225E-6
94.91055	95.93610	21.61000	0.95693	21.538	-0.73127	-7.3390	64.727E-6
97.47570	95.93610	21.61000	1.0197	21.538	-0.71270	-7.1421	62.952E-6
100.04085	95.93610	21.61000	1.0737	21.538	-0.64086	-6.6631	59.636E-6
102.60600	95.93610	21.61000	1.1271	21.538	-0.53158	-5.9637	54.962E-6
105.17115	95.93610	21.61000	1.1756	21.538	-0.40853	-5.1480	49.345E-6
107.73630	95.93610	21.61000	1.2093	21.538	-0.29539	-4.3265	43.280E-6
110.30145	95.93610	21.61000	1.2205	21.538	-0.20568	-3.5793	37.266E-6
112.86660	95.93610	21.61000	1.2078	21.538	-0.14106	-2.9426	31.695E-6
115.43175	95.93610	21.61000	1.1742	21.538	-0.096833	-2.4200	26.789E-6
117.99690	95.93610	21.61000	1.1251	21.538	-0.067160	-1.9986	22.608E-6
120.56205	95.93610	21.61000	1.0659	21.538	-0.047273	-1.6608	19.109E-6
123.12720	95.93610	21.61000	1.0011	21.538	-0.033824	-1.3900	16.210E-6
125.69235	95.93610	21.61000	0.93424	21.538	-0.024602	-1.1719	13.814E-6
128.25750	95.93610	21.61000	0.86780	21.538	-0.018179	-0.99520	11.834E-6
130.82265	95.93610	21.61000	0.80345	21.538	-0.013634	-0.85106	10.192E-6
133.38780	95.93610	21.61000	0.74221	21.538	-0.010368	-0.73262	8.8252E-6
135.95295	95.93610	21.61000	0.68469	21.538	-0.0079848	-0.63461	7.6821E-6
138.51810	95.93610	21.61000	0.63114	21.538	-0.0062226	-0.55293	6.7211E-6
141.08325	95.93610	21.61000	0.58163	21.538	-0.0049025	-0.48441	5.9089E-6
143.64840	95.93610	21.61000	0.53608	21.538	-0.0039016	-0.42656	5.2189E-6
146.21355	95.93610	21.61000	0.49430	21.538	-0.0031342	-0.37742	4.6297E-6
148.77870	95.93610	21.61000	0.45608	21.538	-0.0025396	-0.33545	4.1241E-6
151.34385	95.93610	21.61000	0.42116	21.538	-0.0020745	-0.29940	3.6882E-6
153.90900	95.93610	21.61000	0.38929	21.538	-0.0017074	-0.26828	3.3105E-6 !
0.00000	98.39600	21.61000	0.41774	21.538	-0.0011830	-0.21545	2.6658E-6
2.56515	98.39600	21.61000	0.45273	21.538	-0.0014587	-0.24085	2.9749E-6
5.13030	98.39600	21.61000	0.49112	21.538	-0.0018187	-0.27062	3.3359E-6
7.69545	98.39600	21.61000	0.53319	21.538	-0.0022953	-0.30579	3.7603E-6
10.26060	98.39600	21.61000	0.57920	21.538	-0.0029367	-0.34771	4.2634E-6
12.82575	98.39600	21.61000	0.62934	21.538	-0.0038151	-0.39817	4.8650E-6

15.39090	98.39600	21.61000	0.68370	21.538	-0.0050426	-0.45959	5.5914E-6
17.95605	98.39600	21.61000	0.74218	21.538	-0.0067965	-0.53531	6.4778E-6
20.52120	98.39600	21.61000	0.80438	21.538	-0.0093674	-0.63002	7.5723E-6
23.08635	98.39600	21.61000	0.86940	21.538	-0.013246	-0.75048	8.9412E-6
25.65150	98.39600	21.61000	0.93553	21.538	-0.019296	-0.90664	10.677E-6
28.21665	98.39600	21.61000	0.99978	21.538	-0.029100	-1.1137	12.912E-6
30.78180	98.39600	21.61000	1.0571	21.538	-0.045719	-1.3955	15.830E-6
33.34695	98.39600	21.61000	1.0990	21.538	-0.075410	-1.7911	19.686E-6
35.91210	98.39600	21.61000	1.1113	21.538	-0.13187	-2.3668	24.798E-6
38.47725	98.39600	21.61000	1.0698	21.538	-0.24750	-3.2410	31.432E-6
41.04240	98.39600	21.61000	0.93232	21.538	-0.50541	-4.6332	39.212E-6
43.60755	98.39600	21.61000	0.62326	21.538	-1.1338	-6.9594	44.762E-6
46.17270	98.39600	21.61000	0.0038322	21.538	-2.7384	-10.959	34.518E-6
48.73785	98.39600	21.61000	-1.1828	21.538	-6.3261	-17.703	-16.048E-6
51.30300	98.39600	21.61000	-3.2105	21.538	-11.092	-30.563	-34.152E-6
53.86815	98.39600	21.61000	-4.2086	21.538	-13.274	-35.638	-52.650E-6
56.43330	98.39600	21.61000	-3.8466	21.538	-11.403	-33.815	-4.9407E-6
58.99845	98.39600	21.61000	-2.3358	21.538	-7.6740	-23.948	11.656E-6
61.56360	98.39600	21.61000	-1.4810	21.538	-5.2143	-19.471	48.160E-6
64.12875	98.39600	21.61000	-0.98631	21.538	-3.8363	-16.229	59.376E-6
66.69390	98.39600	21.61000	-0.61338	21.538	-2.6716	-13.194	65.157E-6
69.25905	98.39600	21.61000	-0.31135	21.538	-1.6109	-10.401	70.055E-6
71.82420	98.39600	21.61000	-0.078761	21.538	-0.87862	-8.2149	70.185E-6
74.38935	98.39600	21.61000	0.098305	21.538	-0.48476	-6.7397	66.491E-6
76.95450	98.39600	21.61000	0.24709	21.538	-0.30040	-5.8398	62.128E-6
79.51965	98.39600	21.61000	0.40330	21.538	-0.22644	-5.3341	58.558E-6
82.08480	98.39600	21.61000	0.60015	21.538	-0.21243	-5.0717	55.785E-6
84.64995	98.39600	21.61000	0.83026	21.538	-0.23399	-4.9642	53.619E-6
87.21510	98.39600	21.61000	1.0290	21.538	-0.27540	-5.0016	52.527E-6
89.78025	98.39600	21.61000	1.1604	21.538	-0.32159	-5.1249	52.335E-6
92.34540	98.39600	21.61000	1.2344	21.538	-0.35797	-5.2278	52.256E-6
94.91055	98.39600	21.61000	1.2701	21.538	-0.37400	-5.2266	51.637E-6
97.47570	98.39600	21.61000	1.2840	21.538	-0.36552	-5.0779	50.086E-6
100.04085	98.39600	21.61000	1.2875	21.538	-0.33425	-4.7775	47.487E-6
102.60600	98.39600	21.61000	1.2859	21.538	-0.28647	-4.3539	43.962E-6
105.17115	98.39600	21.61000	1.2788	21.538	-0.23129	-3.8570	39.792E-6
107.73630	98.39600	21.61000	1.2633	21.538	-0.17781	-3.3413	35.324E-6
110.30145	98.39600	21.61000	1.2365	21.538	-0.13209	-2.8511	30.882E-6
112.86660	98.39600	21.61000	1.1976	21.538	-0.096266	-2.4123	26.714E-6
115.43175	98.39600	21.61000	1.1482	21.538	-0.069690	-2.0346	22.966E-6
117.99690	98.39600	21.61000	1.0907	21.538	-0.050546	-1.7170	19.693E-6
120.56205	98.39600	21.61000	1.0281	21.538	-0.036922	-1.4532	16.888E-6
123.12720	98.39600	21.61000	0.96307	21.538	-0.027241	-1.2351	14.510E-6
125.69235	98.39600	21.61000	0.89784	21.538	-0.020326	-1.0550	12.505E-6
128.25750	98.39600	21.61000	0.83399	21.538	-0.015343	-0.90597	10.818E-6
130.82265	98.39600	21.61000	0.77265	21.538	-0.011717	-0.78216	9.3974E-6
133.38780	98.39600	21.61000	0.71452	21.538	-0.0090473	-0.67885	8.1986E-6
135.95295	98.39600	21.61000	0.66000	21.538	-0.0070605	-0.59222	7.1838E-6

138.51810	98.39600	21.61000	0.60926	21.538	-0.0055655	-0.51921	6.3216E-6
141.08325	98.39600	21.61000	0.56232	21.538	-0.0044286	-0.45734	5.5863E-6
143.64840	98.39600	21.61000	0.51906	21.538	-0.0035552	-0.40465	4.9564E-6
146.21355	98.39600	21.61000	0.47933	21.538	-0.0028779	-0.35956	4.4147E-6
148.77870	98.39600	21.61000	0.44291	21.538	-0.0023479	-0.32077	3.9467E-6
151.34385	98.39600	21.61000	0.40958	21.538	-0.0019295	-0.28726	3.5409E-6
153.90900	98.39600	21.61000	0.37909	21.538	-0.0015966	-0.25817	3.1876E-6 !
0.00000	100.85590	21.61000	0.40656	21.538	-0.0011425	-0.21007	2.5996E-6
2.56515	100.85590	21.61000	0.44002	21.538	-0.0014051	-0.23442	2.8960E-6
5.13030	100.85590	21.61000	0.47666	21.538	-0.0017464	-0.26287	3.2411E-6
7.69545	100.85590	21.61000	0.51674	21.538	-0.0021963	-0.29637	3.6455E-6
10.26060	100.85590	21.61000	0.56048	21.538	-0.0027985	-0.33614	4.1231E-6
12.82575	100.85590	21.61000	0.60806	21.538	-0.0036181	-0.38380	4.6917E-6
15.39090	100.85590	21.61000	0.65957	21.538	-0.0047547	-0.44151	5.3748E-6
17.95605	100.85590	21.61000	0.71492	21.538	-0.0063645	-0.51222	6.2036E-6
20.52120	100.85590	21.61000	0.77378	21.538	-0.0086985	-0.60002	7.2201E-6
23.08635	100.85590	21.61000	0.83540	21.538	-0.012173	-0.71069	8.4811E-6
25.65150	100.85590	21.61000	0.89839	21.538	-0.017504	-0.85260	10.065E-6
28.21665	100.85590	21.61000	0.96035	21.538	-0.025967	-1.0382	12.081E-6
30.78180	100.85590	21.61000	1.0173	21.538	-0.039936	-1.2864	14.676E-6
33.34695	100.85590	21.61000	1.0628	21.538	-0.064043	-1.6269	18.050E-6
35.91210	100.85590	21.61000	1.0865	21.538	-0.10782	-2.1077	22.446E-6
38.47725	100.85590	21.61000	1.0718	21.538	-0.19197	-2.8077	28.076E-6
41.04240	100.85590	21.61000	0.99282	21.538	-0.36357	-3.8589	34.824E-6
43.60755	100.85590	21.61000	0.80926	21.538	-0.73067	-5.4725	41.269E-6
46.17270	100.85590	21.61000	0.46705	21.538	-1.5110	-7.9258	42.684E-6
48.73785	100.85590	21.61000	-0.070490	21.538	-2.9230	-11.320	32.098E-6
51.30300	100.85590	21.61000	-0.68592	21.538	-4.5596	-14.887	15.199E-6
53.86815	100.85590	21.61000	-1.0349	21.538	-5.3157	-16.899	11.976E-6
56.43330	100.85590	21.61000	-0.93556	21.538	-4.7111	-16.535	30.216E-6
58.99845	100.85590	21.61000	-0.53206	21.538	-3.4172	-14.583	54.495E-6
61.56360	100.85590	21.61000	-0.12829	21.538	-2.3793	-12.456	66.902E-6
64.12875	100.85590	21.61000	0.18067	21.538	-1.7193	-10.579	68.204E-6
66.69390	100.85590	21.61000	0.42190	21.538	-1.2215	-8.8650	65.422E-6
69.25905	100.85590	21.61000	0.61552	21.538	-0.80866	-7.3235	61.612E-6
71.82420	100.85590	21.61000	0.76790	21.538	-0.50523	-6.0651	57.232E-6
74.38935	100.85590	21.61000	0.88651	21.538	-0.31669	-5.1457	52.782E-6
76.95450	100.85590	21.61000	0.98404	21.538	-0.21421	-4.5347	48.963E-6
79.51965	100.85590	21.61000	1.0752	21.538	-0.16607	-4.1634	46.108E-6
82.08480	100.85590	21.61000	1.1701	21.538	-0.15074	-3.9636	44.174E-6
84.64995	100.85590	21.61000	1.2649	21.538	-0.15510	-3.8828	42.993E-6
87.21510	100.85590	21.61000	1.3434	21.538	-0.17008	-3.8804	42.397E-6
89.78025	100.85590	21.61000	1.3934	21.538	-0.18806	-3.9125	42.122E-6
92.34540	100.85590	21.61000	1.4147	21.538	-0.20241	-3.9297	41.797E-6
94.91055	100.85590	21.61000	1.4137	21.538	-0.20832	-3.8909	41.086E-6
97.47570	100.85590	21.61000	1.3978	21.538	-0.20358	-3.7721	39.770E-6
100.04085	100.85590	21.61000	1.3729	21.538	-0.18855	-3.5690	37.782E-6
102.60600	100.85590	21.61000	1.3425	21.538	-0.16573	-3.2947	35.193E-6

105.17115	100.85590	21.61000	1.3073	21.538	-0.13884	-2.9737	32.170E-6
107.73630	100.85590	21.61000	1.2669	21.538	-0.11169	-2.6344	28.926E-6
110.30145	100.85590	21.61000	1.2205	21.538	-0.087152	-2.3017	25.667E-6
112.86660	100.85590	21.61000	1.1682	21.538	-0.066655	-1.9928	22.554E-6
115.43175	100.85590	21.61000	1.1106	21.538	-0.050439	-1.7168	19.694E-6
117.99690	100.85590	21.61000	1.0494	21.538	-0.038039	-1.4764	17.138E-6
120.56205	100.85590	21.61000	0.98613	21.538	-0.028737	-1.2704	14.897E-6
123.12720	100.85590	21.61000	0.92242	21.538	-0.021819	-1.0953	12.956E-6
125.69235	100.85590	21.61000	0.85966	21.538	-0.016683	-0.94724	11.287E-6
128.25750	100.85590	21.61000	0.79887	21.538	-0.012859	-0.82218	9.8578E-6
130.82265	100.85590	21.61000	0.74081	21.538	-0.0099967	-0.71646	8.6359E-6
133.38780	100.85590	21.61000	0.68594	21.538	-0.0078391	-0.62690	7.5906E-6
135.95295	100.85590	21.61000	0.63454	21.538	-0.0061999	-0.55080	6.6952E-6
138.51810	100.85590	21.61000	0.58668	21.538	-0.0049444	-0.48592	5.9263E-6
141.08325	100.85590	21.61000	0.54235	21.538	-0.0039747	-0.43038	5.2643E-6
143.64840	100.85590	21.61000	0.50144	21.538	-0.0032197	-0.38266	4.6925E-6
146.21355	100.85590	21.61000	0.46379	21.538	-0.0026271	-0.34150	4.1970E-6
148.77870	100.85590	21.61000	0.42921	21.538	-0.0021585	-0.30585	3.7661E-6
151.34385	100.85590	21.61000	0.39750	21.538	-0.0017851	-0.27485	3.3902E-6
153.90900	100.85590	21.61000	0.36844	21.538	-0.0014855	-0.24779	3.0612E-6 !
0.00000	103.31580	21.61000	0.39487	21.538	-0.0010954	-0.20414	2.5268E-6
2.56515	103.31580	21.61000	0.42675	21.538	-0.0013425	-0.22733	2.8092E-6
5.13030	103.31580	21.61000	0.46159	21.538	-0.0016622	-0.25433	3.1368E-6
7.69545	103.31580	21.61000	0.49963	21.538	-0.0020810	-0.28599	3.5193E-6
10.26060	103.31580	21.61000	0.54105	21.538	-0.0026376	-0.32340	3.9689E-6
12.82575	103.31580	21.61000	0.58602	21.538	-0.0033891	-0.36798	4.5013E-6
15.39090	103.31580	21.61000	0.63462	21.538	-0.0044211	-0.42162	5.1371E-6
17.95605	103.31580	21.61000	0.68680	21.538	-0.0058660	-0.48684	5.9031E-6
20.52120	103.31580	21.61000	0.74227	21.538	-0.0079319	-0.56708	6.8346E-6
23.08635	103.31580	21.61000	0.80046	21.538	-0.010956	-0.66712	7.9790E-6
25.65150	103.31580	21.61000	0.86025	21.538	-0.015499	-0.79368	9.3997E-6
28.21665	103.31580	21.61000	0.91979	21.538	-0.022523	-0.95642	11.182E-6
30.78180	103.31580	21.61000	0.97611	21.538	-0.033737	-1.1694	13.438E-6
33.34695	103.31580	21.61000	1.0246	21.538	-0.052271	-1.4537	16.315E-6
35.91210	103.31580	21.61000	1.0582	21.538	-0.084060	-1.8405	19.981E-6
38.47725	103.31580	21.61000	1.0666	21.538	-0.14061	-2.3768	24.594E-6
41.04240	103.31580	21.61000	1.0355	21.538	-0.24427	-3.1299	30.156E-6
43.60755	103.31580	21.61000	0.94722	21.538	-0.43550	-4.1843	36.203E-6
46.17270	103.31580	21.61000	0.78692	21.538	-0.77042	-5.6038	41.421E-6
48.73785	103.31580	21.61000	0.56303	21.538	-1.2641	-7.3101	44.253E-6
51.30300	103.31580	21.61000	0.33890	21.538	-1.7688	-8.9236	45.504E-6
53.86815	103.31580	21.61000	0.21908	21.538	-2.0110	-9.8811	48.409E-6
56.43330	103.31580	21.61000	0.26119	21.538	-1.8677	-9.8991	54.044E-6
58.99845	103.31580	21.61000	0.42590	21.538	-1.4928	-9.1988	59.384E-6
61.56360	103.31580	21.61000	0.62638	21.538	-1.1212	-8.2144	61.025E-6
64.12875	103.31580	21.61000	0.80940	21.538	-0.83608	-7.2028	59.058E-6
66.69390	103.31580	21.61000	0.96310	21.538	-0.61426	-6.2379	55.291E-6
69.25905	103.31580	21.61000	1.0886	21.538	-0.43529	-5.3605	51.007E-6

71.82420	103.31580	21.61000	1.1881	21.538	-0.29929	-4.6196	46.820E-6
74.38935	103.31580	21.61000	1.2655	21.538	-0.20673	-4.0457	43.094E-6
76.95450	103.31580	21.61000	1.3262	21.538	-0.15049	-3.6365	40.068E-6
79.51965	103.31580	21.61000	1.3764	21.538	-0.12045	-3.3675	37.818E-6
82.08480	103.31580	21.61000	1.4200	21.538	-0.10790	-3.2072	36.275E-6
84.64995	103.31580	21.61000	1.4560	21.538	-0.10635	-3.1245	35.293E-6
87.21510	103.31580	21.61000	1.4798	21.538	-0.11089	-3.0904	34.692E-6
89.78025	103.31580	21.61000	1.4876	21.538	-0.11750	-3.0759	34.261E-6
92.34540	103.31580	21.61000	1.4790	21.538	-0.12287	-3.0535	33.776E-6
94.91055	103.31580	21.61000	1.4565	21.538	-0.12460	-3.0003	33.042E-6
97.47570	103.31580	21.61000	1.4238	21.538	-0.12150	-2.9025	31.928E-6
100.04085	103.31580	21.61000	1.3839	21.538	-0.11353	-2.7565	30.392E-6
102.60600	103.31580	21.61000	1.3391	21.538	-0.10170	-2.5681	28.469E-6
105.17115	103.31580	21.61000	1.2905	21.538	-0.087598	-2.3498	26.255E-6
107.73630	103.31580	21.61000	1.2386	21.538	-0.072930	-2.1169	23.878E-6
110.30145	103.31580	21.61000	1.1833	21.538	-0.059098	-1.8836	21.465E-6
112.86660	103.31580	21.61000	1.1252	21.538	-0.046966	-1.6611	19.124E-6
115.43175	103.31580	21.61000	1.0649	21.538	-0.036863	-1.4564	16.930E-6
117.99690	103.31580	21.61000	1.0032	21.538	-0.028747	-1.2729	14.929E-6
120.56205	103.31580	21.61000	0.94118	21.538	-0.022375	-1.1114	13.137E-6
123.12720	103.31580	21.61000	0.87993	21.538	-0.017440	-0.97080	11.555E-6
125.69235	103.31580	21.61000	0.82028	21.538	-0.013643	-0.84929	10.169E-6
128.25750	103.31580	21.61000	0.76292	21.538	-0.010727	-0.74468	8.9634E-6
130.82265	103.31580	21.61000	0.70833	21.538	-0.0084853	-0.65476	7.9167E-6
133.38780	103.31580	21.61000	0.65683	21.538	-0.0067553	-0.57745	7.0095E-6
135.95295	103.31580	21.61000	0.60858	21.538	-0.0054141	-0.51091	6.2230E-6
138.51810	103.31580	21.61000	0.56363	21.538	-0.0043683	-0.45353	5.5406E-6
141.08325	103.31580	21.61000	0.52194	21.538	-0.0035480	-0.40391	4.9474E-6
143.64840	103.31580	21.61000	0.48339	21.538	-0.0029004	-0.36090	4.4307E-6
146.21355	103.31580	21.61000	0.44784	21.538	-0.0023859	-0.32349	3.9796E-6
148.77870	103.31580	21.61000	0.41513	21.538	-0.0019746	-0.29087	3.5846E-6
151.34385	103.31580	21.61000	0.38505	21.538	-0.0016437	-0.26231	3.2379E-6
153.90900	103.31580	21.61000	0.35743	21.538	-0.0013758	-0.23725	2.9327E-6 !
0.00000	105.77570	21.61000	0.38275	21.538	-0.0010430	-0.19775	2.4483E-6
2.56515	105.77570	21.61000	0.41303	21.538	-0.0012731	-0.21971	2.7159E-6
5.13030	105.77570	21.61000	0.44606	21.538	-0.0015688	-0.24516	3.0249E-6
7.69545	105.77570	21.61000	0.48202	21.538	-0.0019536	-0.27486	3.3840E-6
10.26060	105.77570	21.61000	0.52110	21.538	-0.0024606	-0.30976	3.8039E-6
12.82575	105.77570	21.61000	0.56344	21.538	-0.0031385	-0.35108	4.2983E-6
15.39090	105.77570	21.61000	0.60912	21.538	-0.0040587	-0.40044	4.8844E-6
17.95605	105.77570	21.61000	0.65810	21.538	-0.0053295	-0.45992	5.5847E-6
20.52120	105.77570	21.61000	0.71018	21.538	-0.0071169	-0.53234	6.4283E-6
23.08635	105.77570	21.61000	0.76488	21.538	-0.0096814	-0.62149	7.4530E-6
25.65150	105.77570	21.61000	0.82138	21.538	-0.013441	-0.73254	8.7082E-6
28.21665	105.77570	21.61000	0.87828	21.538	-0.019083	-0.87263	10.258E-6
30.78180	105.77570	21.61000	0.93345	21.538	-0.027754	-1.0517	12.183E-6
33.34695	105.77570	21.61000	0.98371	21.538	-0.041412	-1.2834	14.583E-6
35.91210	105.77570	21.61000	1.0246	21.538	-0.063425	-1.5868	17.568E-6

38.47725	105.77570	21.61000	1.0500	21.538	-0.099531	-1.9866	21.236E-6
41.04240	105.77570	21.61000	1.0527	21.538	-0.15902	-2.5125	25.606E-6
43.60755	105.77570	21.61000	1.0259	21.538	-0.25476	-3.1899	30.515E-6
46.17270	105.77570	21.61000	0.96738	21.538	-0.39747	-4.0164	35.527E-6
48.73785	105.77570	21.61000	0.88752	21.538	-0.57761	-4.9187	40.079E-6
51.30300	105.77570	21.61000	0.81484	21.538	-0.74554	-5.7262	43.900E-6
53.86815	105.77570	21.61000	0.78616	21.538	-0.83070	-6.2332	47.064E-6
56.43330	105.77570	21.61000	0.82140	21.538	-0.80091	-6.3329	49.442E-6
58.99845	105.77570	21.61000	0.90962	21.538	-0.68971	-6.0826	50.490E-6
61.56360	105.77570	21.61000	1.0218	21.538	-0.55655	-5.6291	49.810E-6
64.12875	105.77570	21.61000	1.1333	21.538	-0.43592	-5.0959	47.655E-6
66.69390	105.77570	21.61000	1.2322	21.538	-0.33426	-4.5527	44.659E-6
69.25905	105.77570	21.61000	1.3145	21.538	-0.25042	-4.0417	41.395E-6
71.82420	105.77570	21.61000	1.3798	21.538	-0.18468	-3.5948	38.253E-6
74.38935	105.77570	21.61000	1.4293	21.538	-0.13712	-3.2318	35.481E-6
76.95450	105.77570	21.61000	1.4654	21.538	-0.10578	-2.9573	33.211E-6
79.51965	105.77570	21.61000	1.4906	21.538	-0.087261	-2.7636	31.474E-6
82.08480	105.77570	21.61000	1.5068	21.538	-0.078011	-2.6361	30.218E-6
84.64995	105.77570	21.61000	1.5141	21.538	-0.074935	-2.5574	29.344E-6
87.21510	105.77570	21.61000	1.5114	21.538	-0.075450	-2.5093	28.720E-6
89.78025	105.77570	21.61000	1.4978	21.538	-0.077392	-2.4741	28.203E-6
92.34540	105.77570	21.61000	1.4733	21.538	-0.079012	-2.4351	27.651E-6
94.91055	105.77570	21.61000	1.4395	21.538	-0.079044	-2.3789	26.944E-6
97.47570	105.77570	21.61000	1.3982	21.538	-0.076800	-2.2972	26.001E-6
100.04085	105.77570	21.61000	1.3514	21.538	-0.072178	-2.1871	24.791E-6
102.60600	105.77570	21.61000	1.3006	21.538	-0.065565	-2.0513	23.331E-6
105.17115	105.77570	21.61000	1.2468	21.538	-0.057666	-1.8961	21.677E-6
107.73630	105.77570	21.61000	1.1907	21.538	-0.049286	-1.7300	19.904E-6
110.30145	105.77570	21.61000	1.1328	21.538	-0.041134	-1.5614	18.090E-6
112.86660	105.77570	21.61000	1.0736	21.538	-0.033707	-1.3974	16.308E-6
115.43175	105.77570	21.61000	1.0137	21.538	-0.027266	-1.2432	14.611E-6
117.99690	105.77570	21.61000	0.95373	21.538	-0.021876	-1.1017	13.034E-6
120.56205	105.77570	21.61000	0.89440	21.538	-0.017478	-0.97430	11.597E-6
123.12720	105.77570	21.61000	0.83640	21.538	-0.013947	-0.86104	10.306E-6
125.69235	105.77570	21.61000	0.78031	21.538	-0.011143	-0.76125	9.1561E-6
128.25750	105.77570	21.61000	0.72660	21.538	-0.0089261	-0.67383	8.1400E-6
130.82265	105.77570	21.61000	0.67559	21.538	-0.0071780	-0.59750	7.2457E-6
133.38780	105.77570	21.61000	0.62749	21.538	-0.0057987	-0.53095	6.4606E-6
135.95295	105.77570	21.61000	0.58241	21.538	-0.0047079	-0.47296	5.7722E-6
138.51810	105.77570	21.61000	0.54036	21.538	-0.0038425	-0.42239	5.1687E-6
141.08325	105.77570	21.61000	0.50128	21.538	-0.0031530	-0.37823	4.6392E-6
143.64840	105.77570	21.61000	0.46508	21.538	-0.0026012	-0.33960	4.1741E-6
146.21355	105.77570	21.61000	0.43163	21.538	-0.0021574	-0.30575	3.7649E-6
148.77870	105.77570	21.61000	0.40077	21.538	-0.0017986	-0.27600	3.4043E-6
151.34385	105.77570	21.61000	0.37234	21.538	-0.0015071	-0.24981	3.0857E-6
153.90900	105.77570	21.61000	0.34616	21.538	-0.0012691	-0.22667	2.8037E-6 !
0.00000	108.23560	21.61000	0.37033	21.538	-986.54E-6	-0.19099	2.3655E-6
2.56515	108.23560	21.61000	0.39900	21.538	-0.0011986	-0.21166	2.6175E-6

5.13030	108.23560	21.61000	0.43019	21.538	-0.0014692	-0.23550	2.9072E-6
7.69545	108.23560	21.61000	0.46408	21.538	-0.0018183	-0.26318	3.2422E-6
10.26060	108.23560	21.61000	0.50082	21.538	-0.0022741	-0.29549	3.6315E-6
12.82575	108.23560	21.61000	0.54054	21.538	-0.0028765	-0.33349	4.0868E-6
15.39090	108.23560	21.61000	0.58331	21.538	-0.0036838	-0.37849	4.6225E-6
17.95605	108.23560	21.61000	0.62911	21.538	-0.0047816	-0.43221	5.2568E-6
20.52120	108.23560	21.61000	0.67779	21.538	-0.0062975	-0.49686	6.0129E-6
23.08635	108.23560	21.61000	0.72899	21.538	-0.0084254	-0.57535	6.9200E-6
25.65150	108.23560	21.61000	0.78208	21.538	-0.011464	-0.67152	8.0151E-6
28.21665	108.23560	21.61000	0.83608	21.538	-0.015876	-0.79039	9.3441E-6
30.78180	108.23560	21.61000	0.88947	21.538	-0.022394	-0.93859	10.962E-6
33.34695	108.23560	21.61000	0.94014	21.538	-0.032163	-1.1246	12.934E-6
35.91210	108.23560	21.61000	0.98529	21.538	-0.046963	-1.3589	15.323E-6
38.47725	108.23560	21.61000	1.0215	21.538	-0.069428	-1.6534	18.180E-6
41.04240	108.23560	21.61000	1.0453	21.538	-0.10306	-2.0188	21.507E-6
43.60755	108.23560	21.61000	1.0541	21.538	-0.15138	-2.4584	25.214E-6
46.17270	108.23560	21.61000	1.0487	21.538	-0.21512	-2.9570	29.080E-6
48.73785	108.23560	21.61000	1.0355	21.538	-0.28730	-3.4677	32.781E-6
51.30300	108.23560	21.61000	1.0271	21.538	-0.35071	-3.9119	35.976E-6
53.86815	108.23560	21.61000	1.0376	21.538	-0.38488	-4.2062	38.389E-6
56.43330	108.23560	21.61000	1.0743	21.538	-0.38022	-4.3052	39.811E-6
58.99845	108.23560	21.61000	1.1340	21.538	-0.34434	-4.2229	40.129E-6
61.56360	108.23560	21.61000	1.2058	21.538	-0.29368	-4.0122	39.391E-6
64.12875	108.23560	21.61000	1.2783	21.538	-0.24131	-3.7311	37.831E-6
66.69390	108.23560	21.61000	1.3440	21.538	-0.19334	-3.4238	35.775E-6
69.25905	108.23560	21.61000	1.3991	21.538	-0.15201	-3.1215	33.532E-6
71.82420	108.23560	21.61000	1.4422	21.538	-0.11839	-2.8468	31.345E-6
74.38935	108.23560	21.61000	1.4734	21.538	-0.092881	-2.6138	29.377E-6
76.95450	108.23560	21.61000	1.4935	21.538	-0.074981	-2.4284	27.720E-6
79.51965	108.23560	21.61000	1.5037	21.538	-0.063515	-2.2890	26.398E-6
82.08480	108.23560	21.61000	1.5050	21.538	-0.057006	-2.1889	25.386E-6
84.64995	108.23560	21.61000	1.4978	21.538	-0.053975	-2.1190	24.620E-6
87.21510	108.23560	21.61000	1.4822	21.538	-0.053080	-2.0683	24.016E-6
89.78025	108.23560	21.61000	1.4582	21.538	-0.053150	-2.0260	23.482E-6
92.34540	108.23560	21.61000	1.4263	21.538	-0.053231	-1.9821	22.926E-6
94.91055	108.23560	21.61000	1.3875	21.538	-0.052622	-1.9284	22.274E-6
97.47570	108.23560	21.61000	1.3430	21.538	-0.050920	-1.8597	21.473E-6
100.04085	108.23560	21.61000	1.2942	21.538	-0.048018	-1.7739	20.503E-6
102.60600	108.23560	21.61000	1.2421	21.538	-0.044061	-1.6720	19.371E-6
105.17115	108.23560	21.61000	1.1877	21.538	-0.039371	-1.5575	18.107E-6
107.73630	108.23560	21.61000	1.1317	21.538	-0.034338	-1.4350	16.757E-6
110.30145	108.23560	21.61000	1.0747	21.538	-0.029331	-1.3098	15.371E-6
112.86660	108.23560	21.61000	1.0171	21.538	-0.024636	-1.1863	13.995E-6
115.43175	108.23560	21.61000	0.95962	21.538	-0.020430	-1.0682	12.667E-6
117.99690	108.23560	21.61000	0.90268	21.538	-0.016791	-0.95783	11.416E-6
120.56205	108.23560	21.61000	0.84683	21.538	-0.013723	-0.85654	10.258E-6
123.12720	108.23560	21.61000	0.79256	21.538	-0.011183	-0.76487	9.2001E-6
125.69235	108.23560	21.61000	0.74029	21.538	-0.0091058	-0.68271	8.2449E-6

128.25750	108.23560	21.61000	0.69033	21.538	-0.0074213	-0.60960	7.3887E-6
130.82265	108.23560	21.61000	0.64293	21.538	-0.0060611	-0.54484	6.6254E-6
133.38780	108.23560	21.61000	0.59822	21.538	-0.0049649	-0.48764	5.9472E-6
135.95295	108.23560	21.61000	0.55626	21.538	-0.0040816	-0.43720	5.3460E-6
138.51810	108.23560	21.61000	0.51706	21.538	-0.0033687	-0.39275	4.8137E-6
141.08325	108.23560	21.61000	0.48056	21.538	-0.0027921	-0.35356	4.3424E-6
143.64840	108.23560	21.61000	0.44668	21.538	-0.0023244	-0.31898	3.9251E-6
146.21355	108.23560	21.61000	0.41529	21.538	-0.0019436	-0.28843	3.5552E-6
148.77870	108.23560	21.61000	0.38626	21.538	-0.0016323	-0.26140	3.2269E-6
151.34385	108.23560	21.61000	0.35945	21.538	-0.0013769	-0.23744	2.9351E-6
153.90900	108.23560	21.61000	0.33472	21.538	-0.0011665	-0.21616	2.6753E-6 !
0.00000	110.69550	21.61000	0.35769	21.538	-927.51E-6	-0.18396	2.2792E-6
2.56515	110.69550	21.61000	0.38475	21.538	-0.0011211	-0.20331	2.5153E-6
5.13030	110.69550	21.61000	0.41412	21.538	-0.0013662	-0.22552	2.7855E-6
7.69545	110.69550	21.61000	0.44595	21.538	-0.0016794	-0.25114	3.0960E-6
10.26060	110.69550	21.61000	0.48038	21.538	-0.0020840	-0.28087	3.4547E-6
12.82575	110.69550	21.61000	0.51751	21.538	-0.0026125	-0.31555	3.8711E-6
15.39090	110.69550	21.61000	0.55741	21.538	-0.0033107	-0.35627	4.3570E-6
17.95605	110.69550	21.61000	0.60008	21.538	-0.0042444	-0.40437	4.9268E-6
20.52120	110.69550	21.61000	0.64538	21.538	-0.0055089	-0.46156	5.5986E-6
23.08635	110.69550	21.61000	0.69307	21.538	-0.0072432	-0.53000	6.3942E-6
25.65150	110.69550	21.61000	0.74269	21.538	-0.0096520	-0.61244	7.3403E-6
28.21665	110.69550	21.61000	0.79351	21.538	-0.013037	-0.71228	8.4685E-6
30.78180	110.69550	21.61000	0.84451	21.538	-0.017841	-0.83371	9.8149E-6
33.34695	110.69550	21.61000	0.89428	21.538	-0.024702	-0.98167	11.417E-6
35.91210	110.69550	21.61000	0.94109	21.538	-0.034509	-1.1615	13.310E-6
38.47725	110.69550	21.61000	0.98302	21.538	-0.048394	-1.3782	15.512E-6
41.04240	110.69550	21.61000	1.0183	21.538	-0.067560	-1.6343	18.009E-6
43.60755	110.69550	21.61000	1.0459	21.538	-0.092730	-1.9262	20.733E-6
46.17270	110.69550	21.61000	1.0669	21.538	-0.12307	-2.2404	23.540E-6
48.73785	110.69550	21.61000	1.0844	21.538	-0.15496	-2.5492	26.221E-6
51.30300	110.69550	21.61000	1.1039	21.538	-0.18199	-2.8144	28.538E-6
53.86815	110.69550	21.61000	1.1312	21.538	-0.19741	-2.9986	30.273E-6
56.43330	110.69550	21.61000	1.1689	21.538	-0.19792	-3.0805	31.283E-6
58.99845	110.69550	21.61000	1.2159	21.538	-0.18531	-3.0624	31.531E-6
61.56360	110.69550	21.61000	1.2674	21.538	-0.16463	-2.9651	31.088E-6
64.12875	110.69550	21.61000	1.3182	21.538	-0.14091	-2.8162	30.110E-6
66.69390	110.69550	21.61000	1.3638	21.538	-0.11752	-2.6410	28.788E-6
69.25905	110.69550	21.61000	1.4017	21.538	-0.096355	-2.4601	27.311E-6
71.82420	110.69550	21.61000	1.4305	21.538	-0.078446	-2.2888	25.832E-6
74.38935	110.69550	21.61000	1.4497	21.538	-0.064260	-2.1373	24.462E-6
76.95450	110.69550	21.61000	1.4598	21.538	-0.053779	-2.0109	23.268E-6
79.51965	110.69550	21.61000	1.4612	21.538	-0.046604	-1.9102	22.272E-6
82.08480	110.69550	21.61000	1.4546	21.538	-0.042111	-1.8326	21.465E-6
84.64995	110.69550	21.61000	1.4403	21.538	-0.039590	-1.7731	20.811E-6
87.21510	110.69550	21.61000	1.4188	21.538	-0.038344	-1.7254	20.259E-6
89.78025	110.69550	21.61000	1.3906	21.538	-0.037737	-1.6831	19.750E-6
92.34540	110.69550	21.61000	1.3560	21.538	-0.037238	-1.6401	19.227E-6

94.91055	110.69550	21.61000	1.3161	21.538	-0.036449	-1.5912	18.642E-6
97.47570	110.69550	21.61000	1.2717	21.538	-0.035127	-1.5333	17.963E-6
100.04085	110.69550	21.61000	1.2238	21.538	-0.033185	-1.4647	17.174E-6
102.60600	110.69550	21.61000	1.1732	21.538	-0.030674	-1.3859	16.277E-6
105.17115	110.69550	21.61000	1.1207	21.538	-0.027739	-1.2988	15.292E-6
107.73630	110.69550	21.61000	1.0671	21.538	-0.024577	-1.2060	14.244E-6
110.30145	110.69550	21.61000	1.0128	21.538	-0.021383	-1.1107	13.165E-6
112.86660	110.69550	21.61000	0.95845	21.538	-0.018323	-1.0158	12.088E-6
115.43175	110.69550	21.61000	0.90445	21.538	-0.015511	-0.92390	11.037E-6
117.99690	110.69550	21.61000	0.85128	21.538	-0.013011	-0.83674	10.035E-6
120.56205	110.69550	21.61000	0.79936	21.538	-0.010844	-0.75553	9.0954E-6
123.12720	110.69550	21.61000	0.74906	21.538	-0.0090013	-0.68089	8.2259E-6
125.69235	110.69550	21.61000	0.70070	21.538	-0.0074565	-0.61300	7.4302E-6
128.25750	110.69550	21.61000	0.65450	21.538	-0.0061736	-0.55173	6.7078E-6
130.82265	110.69550	21.61000	0.61066	21.538	-0.0051152	-0.49675	6.0561E-6
133.38780	110.69550	21.61000	0.56926	21.538	-0.0042453	-0.44760	5.4707E-6
135.95295	110.69550	21.61000	0.53035	21.538	-0.0035316	-0.40378	4.9463E-6
138.51810	110.69550	21.61000	0.49393	21.538	-0.0029463	-0.36477	4.4776E-6
141.08325	110.69550	21.61000	0.45994	21.538	-0.0024660	-0.33005	4.0591E-6
143.64840	110.69550	21.61000	0.42831	21.538	-0.0020711	-0.29917	3.6854E-6
146.21355	110.69550	21.61000	0.39894	21.538	-0.0017457	-0.27167	3.3518E-6
148.77870	110.69550	21.61000	0.37171	21.538	-0.0014768	-0.24717	3.0538E-6
151.34385	110.69550	21.61000	0.34650	21.538	-0.0012540	-0.22532	2.7872E-6
153.90900	110.69550	21.61000	0.32318	21.538	-0.0010688	-0.20579	2.5486E-6 !
0.00000	113.15540	21.61000	0.34493	21.538	-867.14E-6	-0.17674	2.1907E-6
2.56515	113.15540	21.61000	0.37040	21.538	-0.0010423	-0.19477	2.4109E-6
5.13030	113.15540	21.61000	0.39797	21.538	-0.0012622	-0.21535	2.6615E-6
7.69545	113.15540	21.61000	0.42778	21.538	-0.0015405	-0.23895	2.9479E-6
10.26060	113.15540	21.61000	0.45994	21.538	-0.0018959	-0.26613	3.2764E-6
12.82575	113.15540	21.61000	0.49454	21.538	-0.0023541	-0.29759	3.6549E-6
15.39090	113.15540	21.61000	0.53164	21.538	-0.0029506	-0.33419	4.0928E-6
17.95605	113.15540	21.61000	0.57123	21.538	-0.0037346	-0.37696	4.6012E-6
20.52120	113.15540	21.61000	0.61323	21.538	-0.0047752	-0.42718	5.1938E-6
23.08635	113.15540	21.61000	0.65745	21.538	-0.0061692	-0.48643	5.8866E-6
25.65150	113.15540	21.61000	0.70354	21.538	-0.0080526	-0.55659	6.6981E-6
28.21665	113.15540	21.61000	0.75100	21.538	-0.010614	-0.63988	7.6492E-6
30.78180	113.15540	21.61000	0.79909	21.538	-0.014113	-0.73883	8.7619E-6
33.34695	113.15540	21.61000	0.84691	21.538	-0.018890	-0.85613	10.057E-6
35.91210	113.15540	21.61000	0.89333	21.538	-0.025368	-0.99425	11.550E-6
38.47725	113.15540	21.61000	0.93722	21.538	-0.034003	-1.1547	13.243E-6
41.04240	113.15540	21.61000	0.97759	21.538	-0.045151	-1.3369	15.115E-6
43.60755	113.15540	21.61000	1.0140	21.538	-0.058802	-1.5364	17.108E-6
46.17270	113.15540	21.61000	1.0468	21.538	-0.074201	-1.7430	19.127E-6
48.73785	113.15540	21.61000	1.0777	21.538	-0.089580	-1.9410	21.037E-6
51.30300	113.15540	21.61000	1.1088	21.538	-0.10236	-2.1104	22.686E-6
53.86815	113.15540	21.61000	1.1424	21.538	-0.11002	-2.2329	23.938E-6
56.43330	113.15540	21.61000	1.1794	21.538	-0.11127	-2.2976	24.705E-6
58.99845	113.15540	21.61000	1.2191	21.538	-0.10655	-2.3042	24.967E-6

61.56360	113.15540	21.61000	1.2593	21.538	-0.097555	-2.2614	24.767E-6
64.12875	113.15540	21.61000	1.2973	21.538	-0.086316	-2.1826	24.200E-6
66.69390	113.15540	21.61000	1.3306	21.538	-0.074517	-2.0822	23.382E-6
69.25905	113.15540	21.61000	1.3575	21.538	-0.063325	-1.9729	22.430E-6
71.82420	113.15540	21.61000	1.3770	21.538	-0.053474	-1.8649	21.443E-6
74.38935	113.15540	21.61000	1.3887	21.538	-0.045355	-1.7653	20.496E-6
76.95450	113.15540	21.61000	1.3926	21.538	-0.039078	-1.6784	19.639E-6
79.51965	113.15540	21.61000	1.3891	21.538	-0.034529	-1.6054	18.893E-6
82.08480	113.15540	21.61000	1.3784	21.538	-0.031448	-1.5455	18.255E-6
84.64995	113.15540	21.61000	1.3611	21.538	-0.029492	-1.4961	17.708E-6
87.21510	113.15540	21.61000	1.3376	21.538	-0.028298	-1.4539	17.222E-6
89.78025	113.15540	21.61000	1.3084	21.538	-0.027520	-1.4148	16.760E-6
92.34540	113.15540	21.61000	1.2741	21.538	-0.026858	-1.3752	16.287E-6
94.91055	113.15540	21.61000	1.2353	21.538	-0.026082	-1.3321	15.773E-6
97.47570	113.15540	21.61000	1.1928	21.538	-0.025044	-1.2831	15.197E-6
100.04085	113.15540	21.61000	1.1474	21.538	-0.023681	-1.2274	14.547E-6
102.60600	113.15540	21.61000	1.0998	21.538	-0.022005	-1.1651	13.826E-6
105.17115	113.15540	21.61000	1.0506	21.538	-0.020083	-1.0970	13.043E-6
107.73630	113.15540	21.61000	1.0005	21.538	-0.018014	-1.0250	12.215E-6
110.30145	113.15540	21.61000	0.94998	21.538	-0.015906	-0.95095	11.363E-6
112.86660	113.15540	21.61000	0.89953	21.538	-0.013854	-0.87676	10.507E-6
115.43175	113.15540	21.61000	0.84958	21.538	-0.011930	-0.80417	9.6663E-6
117.99690	113.15540	21.61000	0.80052	21.538	-0.010181	-0.73453	8.8563E-6
120.56205	113.15540	21.61000	0.75270	21.538	-0.0086302	-0.66883	8.0883E-6
123.12720	113.15540	21.61000	0.70642	21.538	-0.0072812	-0.60766	7.3696E-6
125.69235	113.15540	21.61000	0.66193	21.538	-0.0061248	-0.55130	6.7043E-6
128.25750	113.15540	21.61000	0.61943	21.538	-0.0051443	-0.49981	6.0935E-6
130.82265	113.15540	21.61000	0.57903	21.538	-0.0043192	-0.45305	5.5365E-6
133.38780	113.15540	21.61000	0.54084	21.538	-0.0036287	-0.41080	5.0309E-6
135.95295	113.15540	21.61000	0.50487	21.538	-0.0030527	-0.37273	4.5738E-6
138.51810	113.15540	21.61000	0.47112	21.538	-0.0025730	-0.33852	4.1615E-6
141.08325	113.15540	21.61000	0.43956	21.538	-0.0021737	-0.30782	3.7903E-6
143.64840	113.15540	21.61000	0.41011	21.538	-0.0018413	-0.28027	3.4564E-6
146.21355	113.15540	21.61000	0.38269	21.538	-0.0015642	-0.25557	3.1561E-6
148.77870	113.15540	21.61000	0.35721	21.538	-0.0013328	-0.23341	2.8861E-6
151.34385	113.15540	21.61000	0.33355	21.538	-0.0011392	-0.21352	2.6432E-6
153.90900	113.15540	21.61000	0.31162	21.538	-976.76E-6	-0.19565	2.4245E-6 !
0.00000	115.61530	21.61000	0.33213	21.538	-806.61E-6	-0.16942	2.1009E-6
2.56515	115.61530	21.61000	0.35604	21.538	-963.90E-6	-0.18614	2.3054E-6
5.13030	115.61530	21.61000	0.38186	21.538	-0.0011595	-0.20513	2.5368E-6
7.69545	115.61530	21.61000	0.40970	21.538	-0.0014045	-0.22675	2.7996E-6
10.26060	115.61530	21.61000	0.43965	21.538	-0.0017139	-0.25149	3.0991E-6
12.82575	115.61530	21.61000	0.47179	21.538	-0.0021074	-0.27988	3.4414E-6
15.39090	115.61530	21.61000	0.50617	21.538	-0.0026118	-0.31259	3.8338E-6
17.95605	115.61530	21.61000	0.54279	21.538	-0.0032634	-0.35041	4.2851E-6
20.52120	115.61530	21.61000	0.58158	21.538	-0.0041108	-0.39429	4.8050E-6
23.08635	115.61530	21.61000	0.62239	21.538	-0.0052199	-0.44531	5.4050E-6
25.65150	115.61530	21.61000	0.66497	21.538	-0.0066784	-0.50474	6.0976E-6

28.21665	115.61530	21.61000	0.70895	21.538	-0.0086015	-0.57397	6.8960E-6
30.78180	115.61530	21.61000	0.75381	21.538	-0.0111135	-0.65445	7.8128E-6
33.34695	115.61530	21.61000	0.79891	21.538	-0.014456	-0.74752	8.8583E-6
35.91210	115.61530	21.61000	0.84353	21.538	-0.018756	-0.85411	10.037E-6
38.47725	115.61530	21.61000	0.88691	21.538	-0.024200	-0.97423	11.343E-6
41.04240	115.61530	21.61000	0.92843	21.538	-0.030858	-1.1063	12.753E-6
43.60755	115.61530	21.61000	0.96772	21.538	-0.038580	-1.2465	14.225E-6
46.17270	115.61530	21.61000	1.0049	21.538	-0.046876	-1.3880	15.692E-6
48.73785	115.61530	21.61000	1.0405	21.538	-0.054873	-1.5213	17.067E-6
51.30300	115.61530	21.61000	1.0753	21.538	-0.061446	-1.6355	18.256E-6
53.86815	115.61530	21.61000	1.1101	21.538	-0.065564	-1.7212	19.178E-6
56.43330	115.61530	21.61000	1.1451	21.538	-0.066663	-1.7722	19.778E-6
58.99845	115.61530	21.61000	1.1797	21.538	-0.064838	-1.7877	20.042E-6
61.56360	115.61530	21.61000	1.2127	21.538	-0.060720	-1.7715	19.994E-6
64.12875	115.61530	21.61000	1.2426	21.538	-0.055172	-1.7306	19.690E-6
66.69390	115.61530	21.61000	1.2681	21.538	-0.049024	-1.6731	19.198E-6
69.25905	115.61530	21.61000	1.2879	21.538	-0.042935	-1.6067	18.592E-6
71.82420	115.61530	21.61000	1.3014	21.538	-0.037370	-1.5380	17.937E-6
74.38935	115.61530	21.61000	1.3084	21.538	-0.032609	-1.4718	17.285E-6
76.95450	115.61530	21.61000	1.3087	21.538	-0.028773	-1.4114	16.670E-6
79.51965	115.61530	21.61000	1.3025	21.538	-0.025850	-1.3582	16.111E-6
82.08480	115.61530	21.61000	1.2902	21.538	-0.023737	-1.3121	15.611E-6
84.64995	115.61530	21.61000	1.2721	21.538	-0.022269	-1.2719	15.160E-6
87.21510	115.61530	21.61000	1.2486	21.538	-0.021257	-1.2356	14.742E-6
89.78025	115.61530	21.61000	1.2203	21.538	-0.020510	-1.2010	14.335E-6
92.34540	115.61530	21.61000	1.1876	21.538	-0.019860	-1.1659	13.918E-6
94.91055	115.61530	21.61000	1.1512	21.538	-0.019171	-1.1284	13.472E-6
97.47570	115.61530	21.61000	1.1116	21.538	-0.018353	-1.0871	12.983E-6
100.04085	115.61530	21.61000	1.0695	21.538	-0.017363	-1.0413	12.444E-6
102.60600	115.61530	21.61000	1.0256	21.538	-0.016197	-0.99104	11.856E-6
105.17115	115.61530	21.61000	0.98036	21.538	-0.014888	-0.93690	11.224E-6
107.73630	115.61530	21.61000	0.93432	21.538	-0.013485	-0.87989	10.560E-6
110.30145	115.61530	21.61000	0.88797	21.538	-0.012049	-0.82125	9.8767E-6
112.86660	115.61530	21.61000	0.84174	21.538	-0.010636	-0.76228	9.1882E-6
115.43175	115.61530	21.61000	0.79601	21.538	-0.0092902	-0.70416	8.5078E-6
117.99690	115.61530	21.61000	0.75112	21.538	-0.0080454	-0.64791	7.8471E-6
120.56205	115.61530	21.61000	0.70738	21.538	-0.0069204	-0.59428	7.2149E-6
123.12720	115.61530	21.61000	0.66504	21.538	-0.0059225	-0.54380	6.6175E-6
125.69235	115.61530	21.61000	0.62431	21.538	-0.0050504	-0.49678	6.0589E-6
128.25750	115.61530	21.61000	0.58535	21.538	-0.0042971	-0.45334	5.5410E-6
130.82265	115.61530	21.61000	0.54826	21.538	-0.0036520	-0.41349	5.0640E-6
133.38780	115.61530	21.61000	0.51313	21.538	-0.0031030	-0.37711	4.6270E-6
135.95295	115.61530	21.61000	0.47997	21.538	-0.0026380	-0.34403	4.2284E-6
138.51810	115.61530	21.61000	0.44878	21.538	-0.0022451	-0.31404	3.8659E-6
141.08325	115.61530	21.61000	0.41954	21.538	-0.0019138	-0.28689	3.5369E-6
143.64840	115.61530	21.61000	0.39218	21.538	-0.0016345	-0.26236	3.2388E-6
146.21355	115.61530	21.61000	0.36664	21.538	-0.0013991	-0.24020	2.9689E-6
148.77870	115.61530	21.61000	0.34285	21.538	-0.0012004	-0.22019	2.7247E-6

151.34385	115.61530	21.61000	0.32070	21.538	-0.0010326	-0.20211	2.5037E-6
153.90900	115.61530	21.61000	0.30010	21.538	-890.66E-6	-0.18579	2.3036E-6 !
0.00000	118.07520	21.61000	0.31937	21.538	-746.92E-6	-0.16208	2.0108E-6
2.56515	118.07520	21.61000	0.34177	21.538	-887.16E-6	-0.17753	2.1999E-6
5.13030	118.07520	21.61000	0.36589	21.538	-0.0010599	-0.19497	2.4127E-6
7.69545	118.07520	21.61000	0.39182	21.538	-0.0012741	-0.21471	2.6530E-6
10.26060	118.07520	21.61000	0.41964	21.538	-0.0015412	-0.23711	2.9248E-6
12.34695	118.07520	21.61000	0.44941	21.538	-0.0018764	-0.26262	3.2330E-6
15.39090	118.07520	21.61000	0.48118	21.538	-0.0022996	-0.29174	3.5834E-6
17.95605	118.07520	21.61000	0.51494	21.538	-0.0028367	-0.32505	3.9821E-6
20.52120	118.07520	21.61000	0.55063	21.538	-0.0035216	-0.36323	4.4366E-6
23.08635	118.07520	21.61000	0.58815	21.538	-0.0043978	-0.40702	4.9544E-6
25.65150	118.07520	21.61000	0.62728	21.538	-0.0055210	-0.45724	5.5438E-6
28.21665	118.07520	21.61000	0.66776	21.538	-0.0069593	-0.51473	6.2127E-6
30.78180	118.07520	21.61000	0.70921	21.538	-0.0087932	-0.58025	6.9677E-6
33.34695	118.07520	21.61000	0.75116	21.538	-0.0111110	-0.65438	7.8128E-6
35.91210	118.07520	21.61000	0.79308	21.538	-0.013992	-0.73727	8.7469E-6
38.47725	118.07520	21.61000	0.83446	21.538	-0.017488	-0.82837	9.7610E-6
41.04240	118.07520	21.61000	0.87480	21.538	-0.021579	-0.92605	10.835E-6
43.60755	118.07520	21.61000	0.91378	21.538	-0.026128	-1.0273	11.938E-6
46.17270	118.07520	21.61000	0.95125	21.538	-0.030841	-1.1276	13.021E-6
48.73785	118.07520	21.61000	0.98728	21.538	-0.035274	-1.2211	14.031E-6
51.30300	118.07520	21.61000	1.0220	21.538	-0.038903	-1.3018	14.908E-6
53.86815	118.07520	21.61000	1.0556	21.538	-0.041265	-1.3640	15.602E-6
56.43330	118.07520	21.61000	1.0879	21.538	-0.042096	-1.4045	16.080E-6
58.99845	118.07520	21.61000	1.1183	21.538	-0.041407	-1.4224	16.331E-6
61.56360	118.07520	21.61000	1.1462	21.538	-0.039451	-1.4194	16.368E-6
64.12875	118.07520	21.61000	1.1707	21.538	-0.036616	-1.3994	16.222E-6
66.69390	118.07520	21.61000	1.1908	21.538	-0.033317	-1.3667	15.936E-6
69.25905	118.07520	21.61000	1.2059	21.538	-0.029919	-1.3263	15.556E-6
71.82420	118.07520	21.61000	1.2156	21.538	-0.026701	-1.2822	15.123E-6
74.38935	118.07520	21.61000	1.2196	21.538	-0.023849	-1.2379	14.673E-6
76.95450	118.07520	21.61000	1.2179	21.538	-0.021462	-1.1956	14.231E-6
79.51965	118.07520	21.61000	1.2105	21.538	-0.019559	-1.1566	13.812E-6
82.08480	118.07520	21.61000	1.1979	21.538	-0.018105	-1.1211	13.420E-6
84.64995	118.07520	21.61000	1.1802	21.538	-0.017021	-1.0885	13.052E-6
87.21510	118.07520	21.61000	1.1579	21.538	-0.016209	-1.0580	12.698E-6
89.78025	118.07520	21.61000	1.1314	21.538	-0.015564	-1.0282	12.347E-6
92.34540	118.07520	21.61000	1.1011	21.538	-0.014990	-0.99770	11.985E-6
94.91055	118.07520	21.61000	1.0676	21.538	-0.014409	-0.96544	11.602E-6
97.47570	118.07520	21.61000	1.0314	21.538	-0.013763	-0.93054	11.187E-6
100.04085	118.07520	21.61000	0.99308	21.538	-0.013025	-0.89258	10.737E-6
102.60600	118.07520	21.61000	0.95308	21.538	-0.012187	-0.85152	10.252E-6
105.17115	118.07520	21.61000	0.91193	21.538	-0.011265	-0.80774	9.7363E-6
107.73630	118.07520	21.61000	0.87009	21.538	-0.010284	-0.76186	9.1962E-6
110.30145	118.07520	21.61000	0.82797	21.538	-0.0092785	-0.71471	8.6410E-6
112.86660	118.07520	21.61000	0.78596	21.538	-0.0082810	-0.66717	8.0805E-6
115.43175	118.07520	21.61000	0.74440	21.538	-0.0073205	-0.62006	7.5242E-6

117.99690	118.07520	21.61000	0.70358	21.538	-0.0064193	-0.57414	6.9805E-6
120.56205	118.07520	21.61000	0.66379	21.538	-0.0055918	-0.52998	6.4562E-6
123.12720	118.07520	21.61000	0.62522	21.538	-0.0048457	-0.48804	5.9568E-6
125.69235	118.07520	21.61000	0.58807	21.538	-0.0041827	-0.44860	5.4856E-6
128.25750	118.07520	21.61000	0.55247	21.538	-0.0036005	-0.41182	5.0449E-6
130.82265	118.07520	21.61000	0.51852	21.538	-0.0030940	-0.37776	4.6355E-6
133.38780	118.07520	21.61000	0.48627	21.538	-0.0026565	-0.34638	4.2573E-6
135.95295	118.07520	21.61000	0.45577	21.538	-0.0022805	-0.31760	3.9094E-6
138.51810	118.07520	21.61000	0.42701	21.538	-0.0019587	-0.29129	3.5905E-6
141.08325	118.07520	21.61000	0.39997	21.538	-0.0016838	-0.26729	3.2991E-6
143.64840	118.07520	21.61000	0.37461	21.538	-0.0014494	-0.24545	3.0331E-6
146.21355	118.07520	21.61000	0.35087	21.538	-0.0012497	-0.22559	2.7907E-6
148.77870	118.07520	21.61000	0.32869	21.538	-0.0010796	-0.20754	2.5701E-6
151.34385	118.07520	21.61000	0.30799	21.538	-934.49E-6	-0.19114	2.3693E-6
153.90900	118.07520	21.61000	0.28870	21.538	-810.67E-6	-0.17624	2.1866E-6 !
0.00000	120.53510	21.61000	0.30673	21.538	-688.91E-6	-0.15477	1.9211E-6
2.56515	120.53510	21.61000	0.32766	21.538	-813.19E-6	-0.16901	2.0954E-6
5.13030	120.53510	21.61000	0.35014	21.538	-964.83E-6	-0.18497	2.2906E-6
7.69545	120.53510	21.61000	0.37423	21.538	-0.0011508	-0.20293	2.5094E-6
10.26060	120.53510	21.61000	0.40001	21.538	-0.0013800	-0.22316	2.7553E-6
12.82575	120.53510	21.61000	0.42753	21.538	-0.0016637	-0.24600	3.0319E-6
15.39090	120.53510	21.61000	0.45681	21.538	-0.0020165	-0.27183	3.3436E-6
17.95605	120.53510	21.61000	0.48784	21.538	-0.0024567	-0.30109	3.6950E-6
20.52120	120.53510	21.61000	0.52058	21.538	-0.0030073	-0.33422	4.0911E-6
23.08635	120.53510	21.61000	0.55494	21.538	-0.0036968	-0.37175	4.5371E-6
25.65150	120.53510	21.61000	0.59075	21.538	-0.0045595	-0.41416	5.0381E-6
28.21665	120.53510	21.61000	0.62780	21.538	-0.0056349	-0.46194	5.5986E-6
30.78180	120.53510	21.61000	0.66579	21.538	-0.0069662	-0.51544	6.2214E-6
33.34695	120.53510	21.61000	0.70437	21.538	-0.0085946	-0.57482	6.9069E-6
35.91210	120.53510	21.61000	0.74314	21.538	-0.010551	-0.63989	7.6518E-6
38.47725	120.53510	21.61000	0.78169	21.538	-0.012841	-0.70995	8.4466E-6
41.04240	120.53510	21.61000	0.81961	21.538	-0.015428	-0.78358	9.2752E-6
43.60755	120.53510	21.61000	0.85658	21.538	-0.018211	-0.85855	10.113E-6
46.17270	120.53510	21.61000	0.89234	21.538	-0.021017	-0.93184	10.929E-6
48.73785	120.53510	21.61000	0.92673	21.538	-0.023613	-0.99984	11.687E-6
51.30300	120.53510	21.61000	0.95960	21.538	-0.025739	-1.0588	12.349E-6
53.86815	120.53510	21.61000	0.99079	21.538	-0.027171	-1.1056	12.883E-6
56.43330	120.53510	21.61000	1.0200	21.538	-0.027778	-1.1381	13.269E-6
58.99845	120.53510	21.61000	1.0469	21.538	-0.027553	-1.1557	13.499E-6
61.56360	120.53510	21.61000	1.0709	21.538	-0.026604	-1.1592	13.578E-6
64.12875	120.53510	21.61000	1.0913	21.538	-0.025117	-1.1506	13.526E-6
66.69390	120.53510	21.61000	1.1077	21.538	-0.023302	-1.1326	13.368E-6
69.25905	120.53510	21.61000	1.1197	21.538	-0.021362	-1.1080	13.133E-6
71.82420	120.53510	21.61000	1.1268	21.538	-0.019462	-1.0797	12.848E-6
74.38935	120.53510	21.61000	1.1290	21.538	-0.017721	-1.0498	12.538E-6
76.95450	120.53510	21.61000	1.1262	21.538	-0.016210	-1.0199	12.219E-6
79.51965	120.53510	21.61000	1.1186	21.538	-0.014956	-0.99109	11.904E-6
82.08480	120.53510	21.61000	1.1064	21.538	-0.013949	-0.96366	11.596E-6

84.64995	120.53510	21.61000	1.0898	21.538	-0.013155	-0.93748	11.297E-6
87.21510	120.53510	21.61000	1.0692	21.538	-0.012521	-0.91206	11.001E-6
89.78025	120.53510	21.61000	1.0449	21.538	-0.011992	-0.88667	10.702E-6
92.34540	120.53510	21.61000	1.0173	21.538	-0.011511	-0.86055	10.391E-6
94.91055	120.53510	21.61000	0.98698	21.538	-0.011033	-0.83301	10.063E-6
97.47570	120.53510	21.61000	0.95427	21.538	-0.010524	-0.80353	9.7114E-6
100.04085	120.53510	21.61000	0.91966	21.538	-0.0099630	-0.77185	9.3340E-6
102.60600	120.53510	21.61000	0.88359	21.538	-0.0093457	-0.73796	8.9310E-6
105.17115	120.53510	21.61000	0.84648	21.538	-0.0086775	-0.70210	8.5050E-6
107.73630	120.53510	21.61000	0.80873	21.538	-0.0079730	-0.66468	8.0609E-6
110.30145	120.53510	21.61000	0.77071	21.538	-0.0072509	-0.62627	7.6049E-6
112.86660	120.53510	21.61000	0.73276	21.538	-0.0065313	-0.58746	7.1438E-6
115.43175	120.53510	21.61000	0.69519	21.538	-0.0058325	-0.54886	6.6846E-6
117.99690	120.53510	21.61000	0.65824	21.538	-0.0051693	-0.51100	6.2334E-6
120.56205	120.53510	21.61000	0.62217	21.538	-0.0045525	-0.47435	5.7956E-6
123.12720	120.53510	21.61000	0.58716	21.538	-0.0039885	-0.43927	5.3756E-6
125.69235	120.53510	21.61000	0.55337	21.538	-0.0034802	-0.40601	4.9763E-6
128.25750	120.53510	21.61000	0.52092	21.538	-0.0030274	-0.37473	4.6000E-6
130.82265	120.53510	21.61000	0.48991	21.538	-0.0026278	-0.34553	4.2476E-6
133.38780	120.53510	21.61000	0.46038	21.538	-0.0022780	-0.31840	3.9195E-6
135.95295	120.53510	21.61000	0.43238	21.538	-0.0019733	-0.29332	3.6156E-6
138.51810	120.53510	21.61000	0.40591	21.538	-0.0017093	-0.27022	3.3349E-6
141.08325	120.53510	21.61000	0.38096	21.538	-0.0014813	-0.24901	3.0766E-6
143.64840	120.53510	21.61000	0.35748	21.538	-0.0012847	-0.22956	2.8394E-6
146.21355	120.53510	21.61000	0.33545	21.538	-0.0011154	-0.21176	2.6219E-6
148.77870	120.53510	21.61000	0.31481	21.538	-969.80E-6	-0.19549	2.4227E-6
151.34385	120.53510	21.61000	0.29550	21.538	-844.56E-6	-0.18063	2.2405E-6
153.90900	120.53510	21.61000	0.27745	21.538	-736.80E-6	-0.16706	2.0738E-6 !
0.00000	122.99500	21.61000	0.29426	21.538	-633.21E-6	-0.14757	1.8326E-6
2.56515	122.99500	21.61000	0.31378	21.538	-742.78E-6	-0.16064	1.9929E-6
5.13030	122.99500	21.61000	0.33469	21.538	-875.18E-6	-0.17522	2.1713E-6
7.69545	122.99500	21.61000	0.35703	21.538	-0.0010358	-0.19150	2.3700E-6
10.26060	122.99500	21.61000	0.38087	21.538	-0.0012314	-0.20972	2.5918E-6
12.82575	122.99500	21.61000	0.40624	21.538	-0.0014704	-0.23012	2.8395E-6
15.39090	122.99500	21.61000	0.43316	21.538	-0.0017632	-0.25299	3.1161E-6
17.95605	122.99500	21.61000	0.46162	21.538	-0.0021225	-0.27863	3.4251E-6
20.52120	122.99500	21.61000	0.49157	21.538	-0.0025639	-0.30736	3.7699E-6
23.08635	122.99500	21.61000	0.52294	21.538	-0.0031055	-0.33950	4.1538E-6
25.65150	122.99500	21.61000	0.55558	21.538	-0.0037681	-0.37535	4.5798E-6
28.21665	122.99500	21.61000	0.58932	21.538	-0.0045742	-0.41515	5.0500E-6
30.78180	122.99500	21.61000	0.62393	21.538	-0.0055460	-0.45903	5.5653E-6
33.34695	122.99500	21.61000	0.65912	21.538	-0.0067016	-0.50693	6.1243E-6
35.91210	122.99500	21.61000	0.69456	21.538	-0.0080496	-0.55854	6.7227E-6
38.47725	122.99500	21.61000	0.72992	21.538	-0.0095814	-0.61316	7.3521E-6
41.04240	122.99500	21.61000	0.76485	21.538	-0.011262	-0.66967	7.9995E-6
43.60755	122.99500	21.61000	0.79901	21.538	-0.013025	-0.72645	8.6473E-6
46.17270	122.99500	21.61000	0.83212	21.538	-0.014767	-0.78145	9.2735E-6
48.73785	122.99500	21.61000	0.86391	21.538	-0.016360	-0.83235	9.8537E-6

51.30300	122.99500	21.61000	0.89412	21.538	-0.017669	-0.87683	10.364E-6
53.86815	122.99500	21.61000	0.92249	21.538	-0.018580	-0.91292	10.784E-6
56.43330	122.99500	21.61000	0.94870	21.538	-0.019023	-0.93931	11.099E-6
58.99845	122.99500	21.61000	0.97238	21.538	-0.018990	-0.95551	11.304E-6
61.56360	122.99500	21.61000	0.99313	21.538	-0.018530	-0.96193	11.402E-6
64.12875	122.99500	21.61000	1.0105	21.538	-0.017735	-0.95967	11.404E-6
66.69390	122.99500	21.61000	1.0242	21.538	-0.016716	-0.95032	11.324E-6
69.25905	122.99500	21.61000	1.0339	21.538	-0.015586	-0.93565	11.182E-6
71.82420	122.99500	21.61000	1.0393	21.538	-0.014443	-0.91740	10.996E-6
74.38935	122.99500	21.61000	1.0405	21.538	-0.013362	-0.89707	10.781E-6
76.95450	122.99500	21.61000	1.0373	21.538	-0.012391	-0.87580	10.550E-6
79.51965	122.99500	21.61000	1.0299	21.538	-0.011554	-0.85437	10.312E-6
82.08480	122.99500	21.61000	1.0185	21.538	-0.010852	-0.83311	10.071E-6
84.64995	122.99500	21.61000	1.0033	21.538	-0.010271	-0.81208	9.8285E-6
87.21510	122.99500	21.61000	0.98453	21.538	-0.0097842	-0.79105	9.5823E-6
89.78025	122.99500	21.61000	0.96260	21.538	-0.0093607	-0.76964	9.3290E-6
92.34540	122.99500	21.61000	0.93782	21.538	-0.0089693	-0.74743	9.0643E-6
94.91055	122.99500	21.61000	0.91058	21.538	-0.0085826	-0.72401	8.7843E-6
97.47570	122.99500	21.61000	0.88126	21.538	-0.0081801	-0.69910	8.4860E-6
100.04085	122.99500	21.61000	0.85024	21.538	-0.0077489	-0.67253	8.1681E-6
102.60600	122.99500	21.61000	0.81791	21.538	-0.0072846	-0.64432	7.8308E-6
105.17115	122.99500	21.61000	0.78464	21.538	-0.0067895	-0.61464	7.4761E-6
107.73630	122.99500	21.61000	0.75076	21.538	-0.0062716	-0.58379	7.1074E-6
110.30145	122.99500	21.61000	0.71661	21.538	-0.0057417	-0.55213	6.7292E-6
112.86660	122.99500	21.61000	0.68247	21.538	-0.0052123	-0.52011	6.3464E-6
115.43175	122.99500	21.61000	0.64862	21.538	-0.0046948	-0.48816	5.9640E-6
117.99690	122.99500	21.61000	0.61529	21.538	-0.0041994	-0.45669	5.5867E-6
120.56205	122.99500	21.61000	0.58269	21.538	-0.0037337	-0.42604	5.2187E-6
123.12720	122.99500	21.61000	0.55098	21.538	-0.0033029	-0.39650	4.8634E-6
125.69235	122.99500	21.61000	0.52032	21.538	-0.0029097	-0.36830	4.5235E-6
128.25750	122.99500	21.61000	0.49080	21.538	-0.0025551	-0.34159	4.2009E-6
130.82265	122.99500	21.61000	0.46252	21.538	-0.0022382	-0.31647	3.8967E-6
133.38780	122.99500	21.61000	0.43554	21.538	-0.0019573	-0.29296	3.6116E-6
135.95295	122.99500	21.61000	0.40987	21.538	-0.0017098	-0.27107	3.3455E-6
138.51810	122.99500	21.61000	0.38554	21.538	-0.0014929	-0.25076	3.0983E-6
141.08325	122.99500	21.61000	0.36254	21.538	-0.0013034	-0.23199	2.8693E-6
143.64840	122.99500	21.61000	0.34085	21.538	-0.0011385	-0.21467	2.6576E-6
146.21355	122.99500	21.61000	0.32044	21.538	-995.05E-6	-0.19873	2.4625E-6
148.77870	122.99500	21.61000	0.30126	21.538	-870.57E-6	-0.18407	2.2828E-6
151.34385	122.99500	21.61000	0.28327	21.538	-762.58E-6	-0.17061	2.1175E-6
153.90900	122.99500	21.61000	0.26641	21.538	-668.91E-6	-0.15825	1.9655E-6 !
0.00000	125.45490	21.61000	0.28202	21.538	-580.32E-6	-0.14052	1.7459E-6
2.56515	125.45490	21.61000	0.30020	21.538	-676.50E-6	-0.15250	1.8929E-6
5.13030	125.45490	21.61000	0.31960	21.538	-791.60E-6	-0.16577	2.0556E-6
7.69545	125.45490	21.61000	0.34029	21.538	-929.77E-6	-0.18051	2.2357E-6
10.26060	125.45490	21.61000	0.36229	21.538	-0.0010961	-0.19688	2.4354E-6
12.82575	125.45490	21.61000	0.38564	21.538	-0.0012967	-0.21507	2.6567E-6
15.39090	125.45490	21.61000	0.41034	21.538	-0.0015389	-0.23529	2.9019E-6

17.95605	125.45490	21.61000	0.43638	21.538	-0.0018316	-0.25774	3.1733E-6
20.52120	125.45490	21.61000	0.46371	21.538	-0.0021849	-0.28265	3.4733E-6
23.08635	125.45490	21.61000	0.49227	21.538	-0.0026104	-0.31019	3.8038E-6
25.65150	125.45490	21.61000	0.52193	21.538	-0.0031204	-0.34055	4.1664E-6
28.21665	125.45490	21.61000	0.55255	21.538	-0.0037273	-0.37382	4.5620E-6
30.78180	125.45490	21.61000	0.58392	21.538	-0.0044419	-0.40999	4.9901E-6
33.34695	125.45490	21.61000	0.61582	21.538	-0.0052711	-0.44893	5.4487E-6
35.91210	125.45490	21.61000	0.64796	21.538	-0.0062144	-0.49028	5.9333E-6
38.47725	125.45490	21.61000	0.68005	21.538	-0.0072601	-0.53345	6.4369E-6
41.04240	125.45490	21.61000	0.71179	21.538	-0.0083812	-0.57755	6.9494E-6
43.60755	125.45490	21.61000	0.74286	21.538	-0.0095332	-0.62142	7.4578E-6
46.17270	125.45490	21.61000	0.77298	21.538	-0.010655	-0.66365	7.9467E-6
48.73785	125.45490	21.61000	0.80183	21.538	-0.011673	-0.70270	8.3996E-6
51.30300	125.45490	21.61000	0.82914	21.538	-0.012515	-0.73709	8.8004E-6
53.86815	125.45490	21.61000	0.85461	21.538	-0.013118	-0.76554	9.1355E-6
56.43330	125.45490	21.61000	0.87793	21.538	-0.013445	-0.78720	9.3956E-6
58.99845	125.45490	21.61000	0.89878	21.538	-0.013489	-0.80171	9.5765E-6
61.56360	125.45490	21.61000	0.91685	21.538	-0.013273	-0.80923	9.6793E-6
64.12875	125.45490	21.61000	0.93181	21.538	-0.012844	-0.81041	9.7103E-6
66.69390	125.45490	21.61000	0.94341	21.538	-0.012264	-0.80618	9.6790E-6
69.25905	125.45490	21.61000	0.95143	21.538	-0.011595	-0.79765	9.5969E-6
71.82420	125.45490	21.61000	0.95573	21.538	-0.010896	-0.78594	9.4760E-6
74.38935	125.45490	21.61000	0.95625	21.538	-0.010213	-0.77205	9.3271E-6
76.95450	125.45490	21.61000	0.95302	21.538	-0.0095802	-0.75680	9.1591E-6
79.51965	125.45490	21.61000	0.94611	21.538	-0.0090147	-0.74074	8.9784E-6
82.08480	125.45490	21.61000	0.93569	21.538	-0.0085219	-0.72421	8.7890E-6
84.64995	125.45490	21.61000	0.92194	21.538	-0.0080962	-0.70730	8.5924E-6
87.21510	125.45490	21.61000	0.90512	21.538	-0.0077248	-0.68995	8.3882E-6
89.78025	125.45490	21.61000	0.88550	21.538	-0.0073910	-0.67199	8.1748E-6
92.34540	125.45490	21.61000	0.86338	21.538	-0.0070772	-0.65318	7.9500E-6
94.91055	125.45490	21.61000	0.83909	21.538	-0.0067673	-0.63332	7.7118E-6
97.47570	125.45490	21.61000	0.81295	21.538	-0.0064489	-0.61224	7.4586E-6
100.04085	125.45490	21.61000	0.78530	21.538	-0.0061139	-0.58987	7.1899E-6
102.60600	125.45490	21.61000	0.75645	21.538	-0.0057591	-0.56623	6.9059E-6
105.17115	125.45490	21.61000	0.72673	21.538	-0.0053853	-0.54146	6.6084E-6
107.73630	125.45490	21.61000	0.69644	21.538	-0.0049971	-0.51578	6.2999E-6
110.30145	125.45490	21.61000	0.66586	21.538	-0.0046009	-0.48944	5.9836E-6
112.86660	125.45490	21.61000	0.63524	21.538	-0.0042044	-0.46278	5.6632E-6
115.43175	125.45490	21.61000	0.60483	21.538	-0.0038151	-0.43610	5.3423E-6
117.99690	125.45490	21.61000	0.57483	21.538	-0.0034398	-0.40972	5.0246E-6
120.56205	125.45490	21.61000	0.54542	21.538	-0.0030838	-0.38391	4.7132E-6
123.12720	125.45490	21.61000	0.51676	21.538	-0.0027513	-0.35890	4.4111E-6
125.69235	125.45490	21.61000	0.48897	21.538	-0.0024446	-0.33487	4.1204E-6
128.25750	125.45490	21.61000	0.46217	21.538	-0.0021649	-0.31196	3.8428E-6
130.82265	125.45490	21.61000	0.43642	21.538	-0.0019122	-0.29027	3.5794E-6
133.38780	125.45490	21.61000	0.41178	21.538	-0.0016857	-0.26984	3.3310E-6
135.95295	125.45490	21.61000	0.38828	21.538	-0.0014840	-0.25069	3.0977E-6
138.51810	125.45490	21.61000	0.36595	21.538	-0.0013053	-0.23282	2.8796E-6

141.08325	125.45490	21.61000	0.34478	21.538	-0.0011477	-0.21619	2.6764E-6
143.64840	125.45490	21.61000	0.32476	21.538	-0.0010091	-0.20076	2.4875E-6
146.21355	125.45490	21.61000	0.30587	21.538	-887.60E-6	-0.18647	2.3124E-6
148.77870	125.45490	21.61000	0.28807	21.538	-781.18E-6	-0.17327	2.1502E-6
151.34385	125.45490	21.61000	0.27133	21.538	-688.12E-6	-0.16108	2.0004E-6
153.90900	125.45490	21.61000	0.25560	21.538	-606.78E-6	-0.14983	1.8620E-6 !
0.00000	127.91480	21.61000	0.27005	21.538	-530.54E-6	-0.13366	1.6614E-6
2.56515	127.91480	21.61000	0.28695	21.538	-614.66E-6	-0.14461	1.7960E-6
5.13030	127.91480	21.61000	0.30493	21.538	-714.39E-6	-0.15668	1.9441E-6
7.69545	127.91480	21.61000	0.32405	21.538	-832.86E-6	-0.16999	2.1071E-6
10.26060	127.91480	21.61000	0.34433	21.538	-973.85E-6	-0.18468	2.2865E-6
12.82575	127.91480	21.61000	0.36578	21.538	-0.0011418	-0.20088	2.4840E-6
15.39090	127.91480	21.61000	0.38840	21.538	-0.0013419	-0.21874	2.7012E-6
17.95605	127.91480	21.61000	0.41219	21.538	-0.0015800	-0.23840	2.9395E-6
20.52120	127.91480	21.61000	0.43709	21.538	-0.0018630	-0.26000	3.2006E-6
23.08635	127.91480	21.61000	0.46303	21.538	-0.0021978	-0.28365	3.4854E-6
25.65150	127.91480	21.61000	0.48992	21.538	-0.0025918	-0.30943	3.7948E-6
28.21665	127.91480	21.61000	0.51762	21.538	-0.0030513	-0.33735	4.1287E-6
30.78180	127.91480	21.61000	0.54596	21.538	-0.0035814	-0.36735	4.4861E-6
33.34695	127.91480	21.61000	0.57473	21.538	-0.0041835	-0.39924	4.8647E-6
35.91210	127.91480	21.61000	0.60371	21.538	-0.0048540	-0.43272	5.2604E-6
38.47725	127.91480	21.61000	0.63263	21.538	-0.0055821	-0.46726	5.6676E-6
41.04240	127.91480	21.61000	0.66123	21.538	-0.0063481	-0.50221	6.0784E-6
43.60755	127.91480	21.61000	0.68921	21.538	-0.0071230	-0.53672	6.4831E-6
46.17270	127.91480	21.61000	0.71630	21.538	-0.0078690	-0.56978	6.8710E-6
48.73785	127.91480	21.61000	0.74220	21.538	-0.0085439	-0.60038	7.2305E-6
51.30300	127.91480	21.61000	0.76664	21.538	-0.0091057	-0.62752	7.5506E-6
53.86815	127.91480	21.61000	0.78933	21.538	-0.0095198	-0.65035	7.8222E-6
56.43330	127.91480	21.61000	0.80998	21.538	-0.0097645	-0.66830	8.0388E-6
58.99845	127.91480	21.61000	0.82833	21.538	-0.0098349	-0.68109	8.1970E-6
61.56360	127.91480	21.61000	0.84410	21.538	-0.0097423	-0.68878	8.2973E-6
64.12875	127.91480	21.61000	0.85706	21.538	-0.0095121	-0.69174	8.3432E-6
66.69390	127.91480	21.61000	0.86700	21.538	-0.0091778	-0.69052	8.3405E-6
69.25905	127.91480	21.61000	0.87376	21.538	-0.0087763	-0.68583	8.2966E-6
71.82420	127.91480	21.61000	0.87725	21.538	-0.0083425	-0.67839	8.2194E-6
74.38935	127.91480	21.61000	0.87744	21.538	-0.0079055	-0.66888	8.1162E-6
76.95450	127.91480	21.61000	0.87435	21.538	-0.0074872	-0.65786	7.9934E-6
79.51965	127.91480	21.61000	0.86805	21.538	-0.0071008	-0.64575	7.8556E-6
82.08480	127.91480	21.61000	0.85867	21.538	-0.0067517	-0.63282	7.7061E-6
84.64995	127.91480	21.61000	0.84639	21.538	-0.0064389	-0.61920	7.5466E-6
87.21510	127.91480	21.61000	0.83142	21.538	-0.0061564	-0.60490	7.3774E-6
89.78025	127.91480	21.61000	0.81398	21.538	-0.0058954	-0.58986	7.1980E-6
92.34540	127.91480	21.61000	0.79435	21.538	-0.0056459	-0.57398	7.0076E-6
94.91055	127.91480	21.61000	0.77278	21.538	-0.0053988	-0.55714	6.8052E-6
97.47570	127.91480	21.61000	0.74957	21.538	-0.0051466	-0.53928	6.5900E-6
100.04085	127.91480	21.61000	0.72499	21.538	-0.0048842	-0.52038	6.3621E-6
102.60600	127.91480	21.61000	0.69933	21.538	-0.0046097	-0.50046	6.1219E-6
105.17115	127.91480	21.61000	0.67285	21.538	-0.0043232	-0.47965	5.8709E-6

107.73630	127.91480	21.61000	0.64583	21.538	-0.0040274	-0.45810	5.6110E-6
110.30145	127.91480	21.61000	0.61850	21.538	-0.0037263	-0.43602	5.3445E-6
112.86660	127.91480	21.61000	0.59110	21.538	-0.0034246	-0.41363	5.0743E-6
115.43175	127.91480	21.61000	0.56382	21.538	-0.0031275	-0.39119	4.8032E-6
117.99690	127.91480	21.61000	0.53686	21.538	-0.0028394	-0.36892	4.5339E-6
120.56205	127.91480	21.61000	0.51037	21.538	-0.0025642	-0.34704	4.2690E-6
123.12720	127.91480	21.61000	0.48449	21.538	-0.0023050	-0.32573	4.0108E-6
125.69235	127.91480	21.61000	0.45935	21.538	-0.0020637	-0.30516	3.7610E-6
128.25750	127.91480	21.61000	0.43503	21.538	-0.0018416	-0.28543	3.5212E-6
130.82265	127.91480	21.61000	0.41161	21.538	-0.0016389	-0.26663	3.2925E-6
133.38780	127.91480	21.61000	0.38914	21.538	-0.0014554	-0.24883	3.0754E-6
135.95295	127.91480	21.61000	0.36765	21.538	-0.0012904	-0.23205	2.8705E-6
138.51810	127.91480	21.61000	0.34717	21.538	-0.0011429	-0.21629	2.6778E-6
141.08325	127.91480	21.61000	0.32771	21.538	-0.0010115	-0.20154	2.4973E-6
143.64840	127.91480	21.61000	0.30925	21.538	-894.97E-6	-0.18779	2.3286E-6
146.21355	127.91480	21.61000	0.29178	21.538	-791.89E-6	-0.17498	2.1714E-6
148.77870	127.91480	21.61000	0.27528	21.538	-700.91E-6	-0.16308	2.0251E-6
151.34385	127.91480	21.61000	0.25972	21.538	-620.72E-6	-0.15204	1.8893E-6
153.90900	127.91480	21.61000	0.24507	21.538	-550.12E-6	-0.14181	1.7632E-6 !
0.00000	130.37470	21.61000	0.25840	21.538	-484.07E-6	-0.12701	1.5796E-6
2.56515	130.37470	21.61000	0.27408	21.538	-557.43E-6	-0.13701	1.7026E-6
5.13030	130.37470	21.61000	0.29073	21.538	-643.61E-6	-0.14797	1.8372E-6
7.69545	130.37470	21.61000	0.30837	21.538	-744.96E-6	-0.15998	1.9845E-6
10.26060	130.37470	21.61000	0.32703	21.538	-864.25E-6	-0.17315	2.1456E-6
12.82575	130.37470	21.61000	0.34671	21.538	-0.0010047	-0.18757	2.3218E-6
15.39090	130.37470	21.61000	0.36741	21.538	-0.0011698	-0.20335	2.5140E-6
17.95605	130.37470	21.61000	0.38910	21.538	-0.0013637	-0.22058	2.7234E-6
20.52120	130.37470	21.61000	0.41175	21.538	-0.0015906	-0.23933	2.9508E-6
23.08635	130.37470	21.61000	0.43528	21.538	-0.0018549	-0.25968	3.1968E-6
25.65150	130.37470	21.61000	0.45961	21.538	-0.0021606	-0.28163	3.4614E-6
28.21665	130.37470	21.61000	0.48461	21.538	-0.0025110	-0.30517	3.7443E-6
30.78180	130.37470	21.61000	0.51014	21.538	-0.0029078	-0.33020	4.0442E-6
33.34695	130.37470	21.61000	0.53601	21.538	-0.0033503	-0.35654	4.3588E-6
35.91210	130.37470	21.61000	0.56203	21.538	-0.0038343	-0.38389	4.6847E-6
38.47725	130.37470	21.61000	0.58797	21.538	-0.0043509	-0.41187	5.0172E-6
41.04240	130.37470	21.61000	0.61359	21.538	-0.0048862	-0.43995	5.3502E-6
43.60755	130.37470	21.61000	0.63863	21.538	-0.0054211	-0.46751	5.6768E-6
46.17270	130.37470	21.61000	0.66284	21.538	-0.0059320	-0.49385	5.9889E-6
48.73785	130.37470	21.61000	0.68594	21.538	-0.0063934	-0.51826	6.2785E-6
51.30300	130.37470	21.61000	0.70768	21.538	-0.0067807	-0.54004	6.5379E-6
53.86815	130.37470	21.61000	0.72779	21.538	-0.0070736	-0.55864	6.7608E-6
56.43330	130.37470	21.61000	0.74603	21.538	-0.0072594	-0.57363	6.9424E-6
58.99845	130.37470	21.61000	0.76217	21.538	-0.0073345	-0.58482	7.0803E-6
61.56360	130.37470	21.61000	0.77596	21.538	-0.0073046	-0.59221	7.1744E-6
64.12875	130.37470	21.61000	0.78724	21.538	-0.0071836	-0.59600	7.2266E-6
66.69390	130.37470	21.61000	0.79583	21.538	-0.0069907	-0.59652	7.2405E-6
69.25905	130.37470	21.61000	0.80161	21.538	-0.0067473	-0.59423	7.2209E-6
71.82420	130.37470	21.61000	0.80452	21.538	-0.0064747	-0.58960	7.1729E-6

74.38935	130.37470	21.61000	0.80454	21.538	-0.0061912	-0.58307	7.1015E-6
76.95450	130.37470	21.61000	0.80168	21.538	-0.0059112	-0.57506	7.0112E-6
79.51965	130.37470	21.61000	0.79603	21.538	-0.0056442	-0.56586	6.9056E-6
82.08480	130.37470	21.61000	0.78768	21.538	-0.0053949	-0.55569	6.7871E-6
84.64995	130.37470	21.61000	0.77679	21.538	-0.0051640	-0.54469	6.6574E-6
87.21510	130.37470	21.61000	0.76353	21.538	-0.0049490	-0.53290	6.5172E-6
89.78025	130.37470	21.61000	0.74811	21.538	-0.0047455	-0.52032	6.3666E-6
92.34540	130.37470	21.61000	0.73073	21.538	-0.0045481	-0.50691	6.2053E-6
94.91055	130.37470	21.61000	0.71164	21.538	-0.0043515	-0.49264	6.0332E-6
97.47570	130.37470	21.61000	0.69108	21.538	-0.0041513	-0.47748	5.8501E-6
100.04085	130.37470	21.61000	0.66928	21.538	-0.0039446	-0.46145	5.6563E-6
102.60600	130.37470	21.61000	0.64650	21.538	-0.0037299	-0.44460	5.4523E-6
105.17115	130.37470	21.61000	0.62295	21.538	-0.0035076	-0.42700	5.2394E-6
107.73630	130.37470	21.61000	0.59888	21.538	-0.0032790	-0.40880	5.0190E-6
110.30145	130.37470	21.61000	0.57450	21.538	-0.0030469	-0.39015	4.7932E-6
112.86660	130.37470	21.61000	0.55000	21.538	-0.0028143	-0.37123	4.5639E-6
115.43175	130.37470	21.61000	0.52556	21.538	-0.0025845	-0.35221	4.3334E-6
117.99690	130.37470	21.61000	0.50135	21.538	-0.0023608	-0.33330	4.1038E-6
120.56205	130.37470	21.61000	0.47751	21.538	-0.0021458	-0.31464	3.8772E-6
123.12720	130.37470	21.61000	0.45417	21.538	-0.0019418	-0.29640	3.6554E-6
125.69235	130.37470	21.61000	0.43144	21.538	-0.0017505	-0.27869	3.4400E-6
128.25750	130.37470	21.61000	0.40939	21.538	-0.0015728	-0.26164	3.2321E-6
130.82265	130.37470	21.61000	0.38810	21.538	-0.0014093	-0.24530	3.0328E-6
133.38780	130.37470	21.61000	0.36762	21.538	-0.0012599	-0.22974	2.8427E-6
135.95295	130.37470	21.61000	0.34799	21.538	-0.0011244	-0.21500	2.6623E-6
138.51810	130.37470	21.61000	0.32922	21.538	-0.0010022	-0.20108	2.4918E-6
141.08325	130.37470	21.61000	0.31134	21.538	-892.49E-6	-0.18798	2.3312E-6
143.64840	130.37470	21.61000	0.29433	21.538	-794.34E-6	-0.17570	2.1804E-6
146.21355	130.37470	21.61000	0.27820	21.538	-706.82E-6	-0.16422	2.0392E-6
148.77870	130.37470	21.61000	0.26292	21.538	-628.97E-6	-0.15349	1.9072E-6
151.34385	130.37470	21.61000	0.24847	21.538	-559.87E-6	-0.14349	1.7841E-6
153.90900	130.37470	21.61000	0.23483	21.538	-498.60E-6	-0.13419	1.6693E-6 !
0.00000	132.83460	21.61000	0.24708	21.538	-440.97E-6	-0.12061	1.5007E-6
2.56515	132.83460	21.61000	0.26162	21.538	-504.81E-6	-0.12973	1.6129E-6
5.13030	132.83460	21.61000	0.27701	21.538	-579.13E-6	-0.13967	1.7352E-6
7.69545	132.83460	21.61000	0.29328	21.538	-665.70E-6	-0.15050	1.8682E-6
10.26060	132.83460	21.61000	0.31043	21.538	-766.53E-6	-0.16230	2.0128E-6
12.82575	132.83460	21.61000	0.32846	21.538	-883.88E-6	-0.17514	2.1699E-6
15.39090	132.83460	21.61000	0.34738	21.538	-0.0010202	-0.18908	2.3401E-6
17.95605	132.83460	21.61000	0.36714	21.538	-0.0011783	-0.20419	2.5242E-6
20.52120	132.83460	21.61000	0.38771	21.538	-0.0013607	-0.22050	2.7226E-6
23.08635	132.83460	21.61000	0.40903	21.538	-0.0015701	-0.23805	2.9354E-6
25.65150	132.83460	21.61000	0.43101	21.538	-0.0018086	-0.25682	3.1625E-6
28.21665	132.83460	21.61000	0.45355	21.538	-0.0020777	-0.27676	3.4032E-6
30.78180	132.83460	21.61000	0.47650	21.538	-0.0023777	-0.29777	3.6562E-6
33.34695	132.83460	21.61000	0.49972	21.538	-0.0027069	-0.31968	3.9194E-6
35.91210	132.83460	21.61000	0.52302	21.538	-0.0030615	-0.34224	4.1899E-6
38.47725	132.83460	21.61000	0.54622	21.538	-0.0034347	-0.36514	4.4639E-6

41.04240	132.83460	21.61000	0.56909	21.538	-0.0038166	-0.38799	4.7369E-6
43.60755	132.83460	21.61000	0.59141	21.538	-0.0041945	-0.41031	5.0034E-6
46.17270	132.83460	21.61000	0.61295	21.538	-0.0045534	-0.43160	5.2578E-6
48.73785	132.83460	21.61000	0.63347	21.538	-0.0048777	-0.45136	5.4941E-6
51.30300	132.83460	21.61000	0.65273	21.538	-0.0051523	-0.46911	5.7070E-6
53.86815	132.83460	21.61000	0.67052	21.538	-0.0053650	-0.48444	5.8919E-6
56.43330	132.83460	21.61000	0.68661	21.538	-0.0055080	-0.49706	6.0453E-6
58.99845	132.83460	21.61000	0.70079	21.538	-0.0055787	-0.50682	6.1653E-6
61.56360	132.83460	21.61000	0.71288	21.538	-0.0055800	-0.51368	6.2515E-6
64.12875	132.83460	21.61000	0.72273	21.538	-0.0055198	-0.51775	6.3051E-6
66.69390	132.83460	21.61000	0.73020	21.538	-0.0054090	-0.51925	6.3281E-6
69.25905	132.83460	21.61000	0.73520	21.538	-0.0052606	-0.51845	6.3236E-6
71.82420	132.83460	21.61000	0.73767	21.538	-0.0050875	-0.51566	6.2951E-6
74.38935	132.83460	21.61000	0.73762	21.538	-0.0049014	-0.51120	6.2459E-6
76.95450	132.83460	21.61000	0.73504	21.538	-0.0047118	-0.50533	6.1793E-6
79.51965	132.83460	21.61000	0.73002	21.538	-0.0045252	-0.49829	6.0978E-6
82.08480	132.83460	21.61000	0.72264	21.538	-0.0043456	-0.49026	6.0035E-6
84.64995	132.83460	21.61000	0.71302	21.538	-0.0041743	-0.48134	5.8977E-6
87.21510	132.83460	21.61000	0.70132	21.538	-0.0040104	-0.47159	5.7814E-6
89.78025	132.83460	21.61000	0.68771	21.538	-0.0038519	-0.46106	5.6548E-6
92.34540	132.83460	21.61000	0.67237	21.538	-0.0036959	-0.44974	5.5183E-6
94.91055	132.83460	21.61000	0.65551	21.538	-0.0035396	-0.43763	5.3718E-6
97.47570	132.83460	21.61000	0.63732	21.538	-0.0033803	-0.42474	5.2158E-6
100.04085	132.83460	21.61000	0.61802	21.538	-0.0032165	-0.41111	5.0504E-6
102.60600	132.83460	21.61000	0.59781	21.538	-0.0030473	-0.39678	4.8766E-6
105.17115	132.83460	21.61000	0.57689	21.538	-0.0028728	-0.38183	4.6951E-6
107.73630	132.83460	21.61000	0.55547	21.538	-0.0026942	-0.36637	4.5074E-6
110.30145	132.83460	21.61000	0.53373	21.538	-0.0025130	-0.35053	4.3148E-6
112.86660	132.83460	21.61000	0.51183	21.538	-0.0023314	-0.33443	4.1192E-6
115.43175	132.83460	21.61000	0.48995	21.538	-0.0021517	-0.31822	3.9221E-6
117.99690	132.83460	21.61000	0.46823	21.538	-0.0019760	-0.30206	3.7254E-6
120.56205	132.83460	21.61000	0.44679	21.538	-0.0018064	-0.28607	3.5306E-6
123.12720	132.83460	21.61000	0.42575	21.538	-0.0016445	-0.27037	3.3392E-6
125.69235	132.83460	21.61000	0.40520	21.538	-0.0014916	-0.25507	3.1526E-6
128.25750	132.83460	21.61000	0.38522	21.538	-0.0013485	-0.24027	2.9717E-6
130.82265	132.83460	21.61000	0.36588	21.538	-0.0012158	-0.22602	2.7975E-6
133.38780	132.83460	21.61000	0.34722	21.538	-0.0010937	-0.21239	2.6306E-6
135.95295	132.83460	21.61000	0.32929	21.538	-982.00E-6	-0.19940	2.4715E-6
138.51810	132.83460	21.61000	0.31211	21.538	-880.44E-6	-0.18708	2.3203E-6
141.08325	132.83460	21.61000	0.29569	21.538	-788.54E-6	-0.17544	2.1773E-6
143.64840	132.83460	21.61000	0.28003	21.538	-705.70E-6	-0.16447	2.0424E-6
146.21355	132.83460	21.61000	0.26514	21.538	-631.29E-6	-0.15415	1.9154E-6
148.77870	132.83460	21.61000	0.25100	21.538	-564.63E-6	-0.14448	1.7963E-6
151.34385	132.83460	21.61000	0.23759	21.538	-505.04E-6	-0.13543	1.6846E-6
153.90900	132.83460	21.61000	0.22490	21.538	-451.86E-6	-0.12696	1.5802E-6 !
0.00000	135.29450	21.61000	0.23612	21.538	-401.22E-6	-0.11447	1.4249E-6
2.56515	135.29450	21.61000	0.24959	21.538	-456.69E-6	-0.12277	1.5273E-6
5.13030	135.29450	21.61000	0.26381	21.538	-520.71E-6	-0.13178	1.6382E-6

7.69545	135.29450	21.61000	0.27879	21.538	-594.59E-6	-0.14155	1.7583E-6
10.26060	135.29450	21.61000	0.29454	21.538	-679.78E-6	-0.15212	1.8880E-6
12.82575	135.29450	21.61000	0.31106	21.538	-777.89E-6	-0.16355	2.0281E-6
15.39090	135.29450	21.61000	0.32832	21.538	-890.61E-6	-0.17588	2.1790E-6
17.95605	135.29450	21.61000	0.34631	21.538	-0.0010197	-0.18915	2.3410E-6
20.52120	135.29450	21.61000	0.36499	21.538	-0.0011668	-0.20337	2.5144E-6
23.08635	135.29450	21.61000	0.38428	21.538	-0.0013334	-0.21855	2.6990E-6
25.65150	135.29450	21.61000	0.40412	21.538	-0.0015206	-0.23465	2.8946E-6
28.21665	135.29450	21.61000	0.42441	21.538	-0.0017290	-0.25163	3.1002E-6
30.78180	135.29450	21.61000	0.44503	21.538	-0.0019580	-0.26937	3.3148E-6
33.34695	135.29450	21.61000	0.46583	21.538	-0.0022058	-0.28773	3.5364E-6
35.91210	135.29450	21.61000	0.48667	21.538	-0.0024693	-0.30650	3.7626E-6
38.47725	135.29450	21.61000	0.50737	21.538	-0.0027434	-0.32544	3.9905E-6
41.04240	135.29450	21.61000	0.52775	21.538	-0.0030210	-0.34423	4.2164E-6
43.60755	135.29450	21.61000	0.54760	21.538	-0.0032938	-0.36252	4.4363E-6
46.17270	135.29450	21.61000	0.56672	21.538	-0.0035519	-0.37996	4.6459E-6
48.73785	135.29450	21.61000	0.58491	21.538	-0.0037854	-0.39617	4.8410E-6
51.30300	135.29450	21.61000	0.60195	21.538	-0.0039849	-0.41081	5.0176E-6
53.86815	135.29450	21.61000	0.61766	21.538	-0.0041428	-0.42358	5.1723E-6
56.43330	135.29450	21.61000	0.63184	21.538	-0.0042542	-0.43427	5.3027E-6
58.99845	135.29450	21.61000	0.64431	21.538	-0.0043171	-0.44276	5.4071E-6
61.56360	135.29450	21.61000	0.65492	21.538	-0.0043332	-0.44901	5.4850E-6
64.12875	135.29450	21.61000	0.66355	21.538	-0.0043067	-0.45307	5.5371E-6
66.69390	135.29450	21.61000	0.67007	21.538	-0.0042443	-0.45506	5.5646E-6
69.25905	135.29450	21.61000	0.67443	21.538	-0.0041537	-0.45518	5.5694E-6
71.82420	135.29450	21.61000	0.67657	21.538	-0.0040429	-0.45361	5.5539E-6
74.38935	135.29450	21.61000	0.67649	21.538	-0.0039195	-0.45057	5.5203E-6
76.95450	135.29450	21.61000	0.67421	21.538	-0.0037896	-0.44626	5.4710E-6
79.51965	135.29450	21.61000	0.66978	21.538	-0.0036579	-0.44084	5.4078E-6
82.08480	135.29450	21.61000	0.66328	21.538	-0.0035274	-0.43445	5.3323E-6
84.64995	135.29450	21.61000	0.65482	21.538	-0.0033995	-0.42718	5.2457E-6
87.21510	135.29450	21.61000	0.64452	21.538	-0.0032741	-0.41911	5.1489E-6
89.78025	135.29450	21.61000	0.63253	21.538	-0.0031505	-0.41028	5.0425E-6
92.34540	135.29450	21.61000	0.61901	21.538	-0.0030273	-0.40071	4.9267E-6
94.91055	135.29450	21.61000	0.60412	21.538	-0.0029028	-0.39042	4.8020E-6
97.47570	135.29450	21.61000	0.58804	21.538	-0.0027758	-0.37944	4.6687E-6
100.04085	135.29450	21.61000	0.57096	21.538	-0.0026453	-0.36781	4.5273E-6
102.60600	135.29450	21.61000	0.55304	21.538	-0.0025109	-0.35558	4.3785E-6
105.17115	135.29450	21.61000	0.53447	21.538	-0.0023728	-0.34283	4.2233E-6
107.73630	135.29450	21.61000	0.51541	21.538	-0.0022318	-0.32963	4.0626E-6
110.30145	135.29450	21.61000	0.49603	21.538	-0.0020889	-0.31609	3.8976E-6
112.86660	135.29450	21.61000	0.47647	21.538	-0.0019456	-0.30232	3.7298E-6
115.43175	135.29450	21.61000	0.45689	21.538	-0.0018036	-0.28844	3.5605E-6
117.99690	135.29450	21.61000	0.43740	21.538	-0.0016643	-0.27455	3.3911E-6
120.56205	135.29450	21.61000	0.41811	21.538	-0.0015293	-0.26078	3.2229E-6
123.12720	135.29450	21.61000	0.39915	21.538	-0.0013997	-0.24721	3.0571E-6
125.69235	135.29450	21.61000	0.38058	21.538	-0.0012766	-0.23394	2.8948E-6
128.25750	135.29450	21.61000	0.36248	21.538	-0.0011606	-0.22104	2.7369E-6

130.82265	135.29450	21.61000	0.34491	21.538	-0.0010524	-0.20858	2.5842E-6
133.38780	135.29450	21.61000	0.32792	21.538	-952.02E-6	-0.19660	2.4373E-6
135.95295	135.29450	21.61000	0.31155	21.538	-859.57E-6	-0.18514	2.2966E-6
138.51810	135.29450	21.61000	0.29582	21.538	-774.90E-6	-0.17421	2.1624E-6
141.08325	135.29450	21.61000	0.28075	21.538	-697.72E-6	-0.16384	2.0348E-6
143.64840	135.29450	21.61000	0.26635	21.538	-627.66E-6	-0.15402	1.9139E-6
146.21355	135.29450	21.61000	0.25261	21.538	-564.29E-6	-0.14475	1.7997E-6
148.77870	135.29450	21.61000	0.23953	21.538	-507.14E-6	-0.13603	1.6921E-6
151.34385	135.29450	21.61000	0.22710	21.538	-455.71E-6	-0.12782	1.5908E-6
153.90900	135.29450	21.61000	0.21530	21.538	-409.54E-6	-0.12012	1.4957E-6 !
0.00000	137.75440	21.61000	0.22555	21.538	-364.74E-6	-0.10859	1.3523E-6
2.56515	137.75440	21.61000	0.23801	21.538	-412.89E-6	-0.11616	1.4457E-6
5.13030	137.75440	21.61000	0.25114	21.538	-467.99E-6	-0.12432	1.5463E-6
7.69545	137.75440	21.61000	0.26492	21.538	-531.03E-6	-0.13312	1.6546E-6
10.26060	137.75440	21.61000	0.27938	21.538	-603.03E-6	-0.14260	1.7711E-6
12.82575	137.75440	21.61000	0.29449	21.538	-685.13E-6	-0.15278	1.8961E-6
15.39090	137.75440	21.61000	0.31025	21.538	-778.45E-6	-0.16370	2.0300E-6
17.95605	137.75440	21.61000	0.32661	21.538	-884.13E-6	-0.17537	2.1728E-6
20.52120	137.75440	21.61000	0.34355	21.538	-0.0010032	-0.18779	2.3246E-6
23.08635	137.75440	21.61000	0.36101	21.538	-0.0011364	-0.20096	2.4852E-6
25.65150	137.75440	21.61000	0.37891	21.538	-0.0012844	-0.21483	2.6542E-6
28.21665	137.75440	21.61000	0.39716	21.538	-0.0014469	-0.22935	2.8307E-6
30.78180	137.75440	21.61000	0.41567	21.538	-0.0016234	-0.24442	3.0136E-6
33.34695	137.75440	21.61000	0.43430	21.538	-0.0018122	-0.25991	3.2014E-6
35.91210	137.75440	21.61000	0.45292	21.538	-0.0020107	-0.27566	3.3919E-6
38.47725	137.75440	21.61000	0.47138	21.538	-0.0022151	-0.29146	3.5830E-6
41.04240	137.75440	21.61000	0.48951	21.538	-0.0024205	-0.30707	3.7716E-6
43.60755	137.75440	21.61000	0.50714	21.538	-0.0026212	-0.32223	3.9547E-6
46.17270	137.75440	21.61000	0.52410	21.538	-0.0028106	-0.33667	4.1292E-6
48.73785	137.75440	21.61000	0.54020	21.538	-0.0029824	-0.35011	4.2919E-6
51.30300	137.75440	21.61000	0.55527	21.538	-0.0031305	-0.36231	4.4398E-6
53.86815	137.75440	21.61000	0.56914	21.538	-0.0032499	-0.37305	4.5703E-6
56.43330	137.75440	21.61000	0.58163	21.538	-0.0033376	-0.38216	4.6817E-6
58.99845	137.75440	21.61000	0.59261	21.538	-0.0033921	-0.38955	4.7725E-6
61.56360	137.75440	21.61000	0.60194	21.538	-0.0034142	-0.39517	4.8424E-6
64.12875	137.75440	21.61000	0.60951	21.538	-0.0034064	-0.39905	4.8915E-6
66.69390	137.75440	21.61000	0.61524	21.538	-0.0033726	-0.40126	4.9206E-6
69.25905	137.75440	21.61000	0.61906	21.538	-0.0033175	-0.40192	4.9310E-6
71.82420	137.75440	21.61000	0.62093	21.538	-0.0032462	-0.40115	4.9240E-6
74.38935	137.75440	21.61000	0.62086	21.538	-0.0031636	-0.39910	4.9014E-6
76.95450	137.75440	21.61000	0.61885	21.538	-0.0030737	-0.39592	4.8647E-6
79.51965	137.75440	21.61000	0.61497	21.538	-0.0029798	-0.39172	4.8154E-6
82.08480	137.75440	21.61000	0.60926	21.538	-0.0028842	-0.38661	4.7547E-6
84.64995	137.75440	21.61000	0.60182	21.538	-0.0027881	-0.38067	4.6836E-6
87.21510	137.75440	21.61000	0.59277	21.538	-0.0026918	-0.37396	4.6029E-6
89.78025	137.75440	21.61000	0.58222	21.538	-0.0025952	-0.36654	4.5131E-6
92.34540	137.75440	21.61000	0.57030	21.538	-0.0024976	-0.35843	4.4148E-6
94.91055	137.75440	21.61000	0.55716	21.538	-0.0023984	-0.34967	4.3084E-6

97.47570	137.75440	21.61000	0.54296	21.538	-0.0022968	-0.34030	4.1943E-6
100.04085	137.75440	21.61000	0.52784	21.538	-0.0021923	-0.33035	4.0731E-6
102.60600	137.75440	21.61000	0.51196	21.538	-0.0020849	-0.31988	3.9454E-6
105.17115	137.75440	21.61000	0.49546	21.538	-0.0019748	-0.30894	3.8120E-6
107.73630	137.75440	21.61000	0.47851	21.538	-0.0018624	-0.29763	3.6739E-6
110.30145	137.75440	21.61000	0.46123	21.538	-0.0017487	-0.28601	3.5320E-6
112.86660	137.75440	21.61000	0.44376	21.538	-0.0016346	-0.27417	3.3874E-6
115.43175	137.75440	21.61000	0.42622	21.538	-0.0015213	-0.26222	3.2413E-6
117.99690	137.75440	21.61000	0.40873	21.538	-0.0014099	-0.25024	3.0948E-6
120.56205	137.75440	21.61000	0.39139	21.538	-0.0013015	-0.23832	2.9489E-6
123.12720	137.75440	21.61000	0.37429	21.538	-0.0011970	-0.22654	2.8047E-6
125.69235	137.75440	21.61000	0.35751	21.538	-0.0010972	-0.21498	2.6631E-6
128.25750	137.75440	21.61000	0.34112	21.538	-0.0010027	-0.20371	2.5249E-6
130.82265	137.75440	21.61000	0.32516	21.538	-913.86E-6	-0.19277	2.3906E-6
133.38780	137.75440	21.61000	0.30970	21.538	-831.00E-6	-0.18222	2.2610E-6
135.95295	137.75440	21.61000	0.29475	21.538	-754.17E-6	-0.17208	2.1363E-6
138.51810	137.75440	21.61000	0.28036	21.538	-683.33E-6	-0.16237	2.0169E-6
141.08325	137.75440	21.61000	0.26653	21.538	-618.34E-6	-0.15312	1.9029E-6
143.64840	137.75440	21.61000	0.25328	21.538	-558.95E-6	-0.14432	1.7945E-6
146.21355	137.75440	21.61000	0.24061	21.538	-504.88E-6	-0.13599	1.6917E-6
148.77870	137.75440	21.61000	0.22851	21.538	-455.81E-6	-0.12810	1.5943E-6
151.34385	137.75440	21.61000	0.21700	21.538	-411.40E-6	-0.12066	1.5024E-6
153.90900	137.75440	21.61000	0.20604	21.538	-371.27E-6	-0.11366	1.4158E-6 !
0.00000	140.21430	21.61000	0.21537	21.538	-331.39E-6	-0.10299	1.2831E-6
2.56515	140.21430	21.61000	0.22689	21.538	-373.16E-6	-0.10987	1.3681E-6
5.13030	140.21430	21.61000	0.23900	21.538	-420.58E-6	-0.11727	1.4594E-6
7.69545	140.21430	21.61000	0.25168	21.538	-474.37E-6	-0.12521	1.5572E-6
10.26060	140.21430	21.61000	0.26494	21.538	-535.28E-6	-0.13370	1.6618E-6
12.82575	140.21430	21.61000	0.27876	21.538	-604.08E-6	-0.14279	1.7735E-6
15.39090	140.21430	21.61000	0.29313	21.538	-681.52E-6	-0.15247	1.8923E-6
17.95605	140.21430	21.61000	0.30802	21.538	-768.32E-6	-0.16275	2.0184E-6
20.52120	140.21430	21.61000	0.32338	21.538	-865.08E-6	-0.17363	2.1517E-6
23.08635	140.21430	21.61000	0.33917	21.538	-972.20E-6	-0.18509	2.2918E-6
25.65150	140.21430	21.61000	0.35531	21.538	-0.0010898	-0.19709	2.4383E-6
28.21665	140.21430	21.61000	0.37173	21.538	-0.0012177	-0.20957	2.5904E-6
30.78180	140.21430	21.61000	0.38834	21.538	-0.0013550	-0.22244	2.7472E-6
33.34695	140.21430	21.61000	0.40502	21.538	-0.0015004	-0.23560	2.9072E-6
35.91210	140.21430	21.61000	0.42165	21.538	-0.0016518	-0.24890	3.0688E-6
38.47725	140.21430	21.61000	0.43811	21.538	-0.0018065	-0.26218	3.2301E-6
41.04240	140.21430	21.61000	0.45424	21.538	-0.0019609	-0.27527	3.3889E-6
43.60755	140.21430	21.61000	0.46990	21.538	-0.0021111	-0.28795	3.5428E-6
46.17270	140.21430	21.61000	0.48494	21.538	-0.0022527	-0.30003	3.6894E-6
48.73785	140.21430	21.61000	0.49919	21.538	-0.0023815	-0.31129	3.8262E-6
51.30300	140.21430	21.61000	0.51251	21.538	-0.0024934	-0.32155	3.9510E-6
53.86815	140.21430	21.61000	0.52475	21.538	-0.0025853	-0.33064	4.0620E-6
56.43330	140.21430	21.61000	0.53577	21.538	-0.0026550	-0.33845	4.1575E-6
58.99845	140.21430	21.61000	0.54544	21.538	-0.0027015	-0.34488	4.2367E-6
61.56360	140.21430	21.61000	0.55366	21.538	-0.0027251	-0.34991	4.2991E-6

64.12875	140.21430	21.61000	0.56032	21.538	-0.0027273	-0.35353	4.3445E-6
66.69390	140.21430	21.61000	0.56536	21.538	-0.0027104	-0.35578	4.3735E-6
69.25905	140.21430	21.61000	0.56872	21.538	-0.0026773	-0.35674	4.3868E-6
71.82420	140.21430	21.61000	0.57038	21.538	-0.0026314	-0.35650	4.3855E-6
74.38935	140.21430	21.61000	0.57033	21.538	-0.0025756	-0.35515	4.3706E-6
76.95450	140.21430	21.61000	0.56858	21.538	-0.0025128	-0.35279	4.3433E-6
79.51965	140.21430	21.61000	0.56518	21.538	-0.0024453	-0.34951	4.3046E-6
82.08480	140.21430	21.61000	0.56017	21.538	-0.0023746	-0.34540	4.2555E-6
84.64995	140.21430	21.61000	0.55365	21.538	-0.0023019	-0.34052	4.1969E-6
87.21510	140.21430	21.61000	0.54569	21.538	-0.0022276	-0.33493	4.1294E-6
89.78025	140.21430	21.61000	0.53640	21.538	-0.0021518	-0.32867	4.0535E-6
92.34540	140.21430	21.61000	0.52590	21.538	-0.0020744	-0.32179	3.9699E-6
94.91055	140.21430	21.61000	0.51431	21.538	-0.0019951	-0.31432	3.8788E-6
97.47570	140.21430	21.61000	0.50176	21.538	-0.0019136	-0.30629	3.7810E-6
100.04085	140.21430	21.61000	0.48837	21.538	-0.0018296	-0.29776	3.6768E-6
102.60600	140.21430	21.61000	0.47429	21.538	-0.0017433	-0.28876	3.5669E-6
105.17115	140.21430	21.61000	0.45963	21.538	-0.0016548	-0.27936	3.4519E-6
107.73630	140.21430	21.61000	0.44454	21.538	-0.0015646	-0.26961	3.3327E-6
110.30145	140.21430	21.61000	0.42913	21.538	-0.0014734	-0.25960	3.2102E-6
112.86660	140.21430	21.61000	0.41352	21.538	-0.0013818	-0.24938	3.0851E-6
115.43175	140.21430	21.61000	0.39781	21.538	-0.0012907	-0.23904	2.9585E-6
117.99690	140.21430	21.61000	0.38212	21.538	-0.0012008	-0.22866	2.8312E-6
120.56205	140.21430	21.61000	0.36652	21.538	-0.0011131	-0.21830	2.7043E-6
123.12720	140.21430	21.61000	0.35110	21.538	-0.0010283	-0.20804	2.5784E-6
125.69235	140.21430	21.61000	0.33593	21.538	-946.84E-6	-0.19794	2.4544E-6
128.25750	140.21430	21.61000	0.32108	21.538	-869.33E-6	-0.18805	2.3329E-6
130.82265	140.21430	21.61000	0.30659	21.538	-796.09E-6	-0.17843	2.2146E-6
133.38780	140.21430	21.61000	0.29250	21.538	-727.36E-6	-0.16911	2.0999E-6
135.95295	140.21430	21.61000	0.27886	21.538	-663.26E-6	-0.16011	1.9892E-6
138.51810	140.21430	21.61000	0.26569	21.538	-603.79E-6	-0.15147	1.8828E-6
141.08325	140.21430	21.61000	0.25300	21.538	-548.89E-6	-0.14320	1.7808E-6
143.64840	140.21430	21.61000	0.24082	21.538	-498.43E-6	-0.13531	1.6835E-6
146.21355	140.21430	21.61000	0.22914	21.538	-452.21E-6	-0.12781	1.5908E-6
148.77870	140.21430	21.61000	0.21796	21.538	-410.02E-6	-0.12068	1.5027E-6
151.34385	140.21430	21.61000	0.20729	21.538	-371.60E-6	-0.11393	1.4193E-6
153.90900	140.21430	21.61000	0.19712	21.538	-336.71E-6	-0.10755	1.3403E-6 !
0.00000	142.67420	21.61000	0.20558	21.538	-301.00E-6	-0.097655	1.2172E-6
2.56515	142.67420	21.61000	0.21624	21.538	-337.22E-6	-0.10393	1.2947E-6
5.13030	142.67420	21.61000	0.22740	21.538	-378.05E-6	-0.11063	1.3775E-6
7.69545	142.67420	21.61000	0.23906	21.538	-423.99E-6	-0.11779	1.4658E-6
10.26060	142.67420	21.61000	0.25121	21.538	-475.57E-6	-0.12541	1.5598E-6
12.82575	142.67420	21.61000	0.26385	21.538	-533.33E-6	-0.13352	1.6596E-6
15.39090	142.67420	21.61000	0.27696	21.538	-597.76E-6	-0.14212	1.7653E-6
17.95605	142.67420	21.61000	0.29050	21.538	-669.29E-6	-0.15120	1.8769E-6
20.52120	142.67420	21.61000	0.30443	21.538	-748.27E-6	-0.16076	1.9941E-6
23.08635	142.67420	21.61000	0.31871	21.538	-834.86E-6	-0.17076	2.1167E-6
25.65150	142.67420	21.61000	0.33327	21.538	-928.99E-6	-0.18118	2.2442E-6
28.21665	142.67420	21.61000	0.34804	21.538	-0.0010303	-0.19195	2.3759E-6

30.78180	142.67420	21.61000	0.36295	21.538	-0.0011381	-0.20300	2.5109E-6
33.34695	142.67420	21.61000	0.37788	21.538	-0.0012513	-0.21424	2.6480E-6
35.91210	142.67420	21.61000	0.39274	21.538	-0.0013682	-0.22556	2.7859E-6
38.47725	142.67420	21.61000	0.40741	21.538	-0.0014868	-0.23682	2.9231E-6
41.04240	142.67420	21.61000	0.42177	21.538	-0.0016046	-0.24787	3.0577E-6
43.60755	142.67420	21.61000	0.43568	21.538	-0.0017188	-0.25857	3.1880E-6
46.17270	142.67420	21.61000	0.44902	21.538	-0.0018264	-0.26876	3.3121E-6
48.73785	142.67420	21.61000	0.46164	21.538	-0.0019245	-0.27827	3.4280E-6
51.30300	142.67420	21.61000	0.47342	21.538	-0.0020105	-0.28696	3.5342E-6
53.86815	142.67420	21.61000	0.48424	21.538	-0.0020822	-0.29472	3.6290E-6
56.43330	142.67420	21.61000	0.49396	21.538	-0.0021381	-0.30144	3.7115E-6
58.99845	142.67420	21.61000	0.50250	21.538	-0.0021774	-0.30705	3.7806E-6
61.56360	142.67420	21.61000	0.50974	21.538	-0.0022003	-0.31153	3.8360E-6
64.12875	142.67420	21.61000	0.51562	21.538	-0.0022075	-0.31485	3.8776E-6
66.69390	142.67420	21.61000	0.52006	21.538	-0.0022006	-0.31705	3.9055E-6
69.25905	142.67420	21.61000	0.52304	21.538	-0.0021813	-0.31817	3.9202E-6
71.82420	142.67420	21.61000	0.52451	21.538	-0.0021517	-0.31826	3.9225E-6
74.38935	142.67420	21.61000	0.52448	21.538	-0.0021138	-0.31739	3.9130E-6
76.95450	142.67420	21.61000	0.52297	21.538	-0.0020696	-0.31564	3.8927E-6
79.51965	142.67420	21.61000	0.52000	21.538	-0.0020205	-0.31307	3.8622E-6
82.08480	142.67420	21.61000	0.51561	21.538	-0.0019679	-0.30974	3.8223E-6
84.64995	142.67420	21.61000	0.50989	21.538	-0.0019125	-0.30571	3.7737E-6
87.21510	142.67420	21.61000	0.50289	21.538	-0.0018549	-0.30103	3.7171E-6
89.78025	142.67420	21.61000	0.49472	21.538	-0.0017952	-0.29575	3.6528E-6
92.34540	142.67420	21.61000	0.48546	21.538	-0.0017337	-0.28989	3.5814E-6
94.91055	142.67420	21.61000	0.47522	21.538	-0.0016701	-0.28350	3.5034E-6
97.47570	142.67420	21.61000	0.46412	21.538	-0.0016044	-0.27661	3.4193E-6
100.04085	142.67420	21.61000	0.45226	21.538	-0.0015366	-0.26927	3.3294E-6
102.60600	142.67420	21.61000	0.43977	21.538	-0.0014669	-0.26151	3.2345E-6
105.17115	142.67420	21.61000	0.42674	21.538	-0.0013954	-0.25340	3.1351E-6
107.73630	142.67420	21.61000	0.41330	21.538	-0.0013225	-0.24498	3.0320E-6
110.30145	142.67420	21.61000	0.39955	21.538	-0.0012488	-0.23631	2.9257E-6
112.86660	142.67420	21.61000	0.38559	21.538	-0.0011747	-0.22746	2.8171E-6
115.43175	142.67420	21.61000	0.37152	21.538	-0.0011008	-0.21848	2.7070E-6
117.99690	142.67420	21.61000	0.35742	21.538	-0.0010279	-0.20945	2.5961E-6
120.56205	142.67420	21.61000	0.34338	21.538	-956.47E-6	-0.20042	2.4852E-6
123.12720	142.67420	21.61000	0.32947	21.538	-887.09E-6	-0.19144	2.3749E-6
125.69235	142.67420	21.61000	0.31576	21.538	-820.24E-6	-0.18259	2.2660E-6
128.25750	142.67420	21.61000	0.30230	21.538	-756.32E-6	-0.17389	2.1590E-6
130.82265	142.67420	21.61000	0.28913	21.538	-695.63E-6	-0.16539	2.0544E-6
133.38780	142.67420	21.61000	0.27631	21.538	-638.37E-6	-0.15714	1.9527E-6
135.95295	142.67420	21.61000	0.26385	21.538	-584.67E-6	-0.14914	1.8542E-6
138.51810	142.67420	21.61000	0.25180	21.538	-534.58E-6	-0.14144	1.7592E-6
141.08325	142.67420	21.61000	0.24016	21.538	-488.08E-6	-0.13404	1.6678E-6
143.64840	142.67420	21.61000	0.22896	21.538	-445.09E-6	-0.12695	1.5802E-6
146.21355	142.67420	21.61000	0.21819	21.538	-405.50E-6	-0.12018	1.4966E-6
148.77870	142.67420	21.61000	0.20786	21.538	-369.16E-6	-0.11373	1.4169E-6
151.34385	142.67420	21.61000	0.19798	21.538	-335.90E-6	-0.10761	1.3410E-6

153.90900	142.67420	21.61000	0.18854	21.538	-305.52E-6	-0.10179	1.2691E-6 !
0.00000	145.13410	21.61000	0.19620	21.538	-273.38E-6	-0.092594	1.1545E-6
2.56515	145.13410	21.61000	0.20604	21.538	-304.80E-6	-0.098303	1.2252E-6
5.13030	145.13410	21.61000	0.21633	21.538	-339.96E-6	-0.10438	1.3003E-6
7.69545	145.13410	21.61000	0.22705	21.538	-379.24E-6	-0.11084	1.3801E-6
10.26060	145.13410	21.61000	0.23819	21.538	-422.99E-6	-0.11769	1.4646E-6
12.82575	145.13410	21.61000	0.24975	21.538	-471.59E-6	-0.12494	1.5540E-6
15.39090	145.13410	21.61000	0.26170	21.538	-525.35E-6	-0.13259	1.6482E-6
17.95605	145.13410	21.61000	0.27401	21.538	-584.52E-6	-0.14063	1.7470E-6
20.52120	145.13410	21.61000	0.28665	21.538	-649.28E-6	-0.14904	1.8504E-6
23.08635	145.13410	21.61000	0.29956	21.538	-719.64E-6	-0.15780	1.9580E-6
25.65150	145.13410	21.61000	0.31270	21.538	-795.48E-6	-0.16688	2.0694E-6
28.21665	145.13410	21.61000	0.32600	21.538	-876.41E-6	-0.17622	2.1838E-6
30.78180	145.13410	21.61000	0.33938	21.538	-961.81E-6	-0.18576	2.3006E-6
33.34695	145.13410	21.61000	0.35276	21.538	-0.0010508	-0.19542	2.4187E-6
35.91210	145.13410	21.61000	0.36605	21.538	-0.0011420	-0.20510	2.5371E-6
38.47725	145.13410	21.61000	0.37913	21.538	-0.0012341	-0.21471	2.6545E-6
41.04240	145.13410	21.61000	0.39192	21.538	-0.0013251	-0.22412	2.7694E-6
43.60755	145.13410	21.61000	0.40428	21.538	-0.0014131	-0.23321	2.8805E-6
46.17270	145.13410	21.61000	0.41612	21.538	-0.0014961	-0.24187	2.9862E-6
48.73785	145.13410	21.61000	0.42731	21.538	-0.0015720	-0.24996	3.0852E-6
51.30300	145.13410	21.61000	0.43774	21.538	-0.0016390	-0.25738	3.1761E-6
53.86815	145.13410	21.61000	0.44731	21.538	-0.0016956	-0.26404	3.2576E-6
56.43330	145.13410	21.61000	0.45590	21.538	-0.0017408	-0.26985	3.3290E-6
58.99845	145.13410	21.61000	0.46344	21.538	-0.0017739	-0.27475	3.3895E-6
61.56360	145.13410	21.61000	0.46984	21.538	-0.0017950	-0.27872	3.4386E-6
64.12875	145.13410	21.61000	0.47503	21.538	-0.0018045	-0.28175	3.4763E-6
66.69390	145.13410	21.61000	0.47896	21.538	-0.0018033	-0.28384	3.5026E-6
69.25905	145.13410	21.61000	0.48160	21.538	-0.0017926	-0.28501	3.5178E-6
71.82420	145.13410	21.61000	0.48292	21.538	-0.0017736	-0.28531	3.5223E-6
74.38935	145.13410	21.61000	0.48292	21.538	-0.0017478	-0.28479	3.5167E-6
76.95450	145.13410	21.61000	0.48161	21.538	-0.0017164	-0.28348	3.5015E-6
79.51965	145.13410	21.61000	0.47901	21.538	-0.0016805	-0.28146	3.4773E-6
82.08480	145.13410	21.61000	0.47517	21.538	-0.0016409	-0.27875	3.4448E-6
84.64995	145.13410	21.61000	0.47015	21.538	-0.0015985	-0.27541	3.4044E-6
87.21510	145.13410	21.61000	0.46399	21.538	-0.0015536	-0.27148	3.3566E-6
89.78025	145.13410	21.61000	0.45679	21.538	-0.0015064	-0.26700	3.3020E-6
92.34540	145.13410	21.61000	0.44862	21.538	-0.0014572	-0.26200	3.2410E-6
94.91055	145.13410	21.61000	0.43958	21.538	-0.0014061	-0.25652	3.1740E-6
97.47570	145.13410	21.61000	0.42975	21.538	-0.0013530	-0.25059	3.1014E-6
100.04085	145.13410	21.61000	0.41924	21.538	-0.0012981	-0.24426	3.0238E-6
102.60600	145.13410	21.61000	0.40814	21.538	-0.0012415	-0.23755	2.9416E-6
105.17115	145.13410	21.61000	0.39656	21.538	-0.0011834	-0.23053	2.8554E-6
107.73630	145.13410	21.61000	0.38457	21.538	-0.0011242	-0.22322	2.7658E-6
110.30145	145.13410	21.61000	0.37229	21.538	-0.0010642	-0.21570	2.6733E-6
112.86660	145.13410	21.61000	0.35980	21.538	-0.0010038	-0.20800	2.5787E-6
115.43175	145.13410	21.61000	0.34718	21.538	-943.60E-6	-0.20017	2.4826E-6
117.99690	145.13410	21.61000	0.33452	21.538	-883.98E-6	-0.19229	2.3856E-6

120.56205	145.13410	21.61000	0.32187	21.538	-825.43E-6	-0.18438	2.2884E-6
123.12720	145.13410	21.61000	0.30932	21.538	-768.37E-6	-0.17651	2.1915E-6
125.69235	145.13410	21.61000	0.29692	21.538	-713.19E-6	-0.16872	2.0956E-6
128.25750	145.13410	21.61000	0.28471	21.538	-660.20E-6	-0.16105	2.0011E-6
130.82265	145.13410	21.61000	0.27275	21.538	-609.66E-6	-0.15353	1.9084E-6
133.38780	145.13410	21.61000	0.26106	21.538	-561.75E-6	-0.14620	1.8180E-6
135.95295	145.13410	21.61000	0.24969	21.538	-516.60E-6	-0.13908	1.7302E-6
138.51810	145.13410	21.61000	0.23866	21.538	-474.26E-6	-0.13220	1.6451E-6
141.08325	145.13410	21.61000	0.22798	21.538	-434.76E-6	-0.12556	1.5631E-6
143.64840	145.13410	21.61000	0.21768	21.538	-398.05E-6	-0.11918	1.4843E-6
146.21355	145.13410	21.61000	0.20775	21.538	-364.07E-6	-0.11307	1.4087E-6
148.77870	145.13410	21.61000	0.19821	21.538	-332.71E-6	-0.10723	1.3365E-6
151.34385	145.13410	21.61000	0.18906	21.538	-303.86E-6	-0.10167	1.2675E-6
153.90900	145.13410	21.61000	0.18030	21.538	-277.38E-6	-0.096369	1.2019E-6 !
0.00000	147.59400	21.61000	0.18721	21.538	-248.33E-6	-0.087798	1.0951E-6 !
2.56515	147.59400	21.61000	0.19631	21.538	-275.60E-6	-0.092998	1.1595E-6 !
5.13030	147.59400	21.61000	0.20578	21.538	-305.91E-6	-0.098510	1.2277E-6 !
7.69545	147.59400	21.61000	0.21564	21.538	-339.53E-6	-0.10435	1.2999E-6 !
10.26060	147.59400	21.61000	0.22585	21.538	-376.72E-6	-0.11051	1.3760E-6 !
12.82575	147.59400	21.61000	0.23642	21.538	-417.71E-6	-0.11700	1.4561E-6 !
15.39090	147.59400	21.61000	0.24732	21.538	-462.69E-6	-0.12381	1.5401E-6 !
17.95605	147.59400	21.61000	0.25852	21.538	-511.83E-6	-0.13094	1.6279E-6 !
20.52120	147.59400	21.61000	0.26998	21.538	-565.17E-6	-0.13837	1.7194E-6 !
23.08635	147.59400	21.61000	0.28167	21.538	-622.67E-6	-0.14607	1.8141E-6 !
25.65150	147.59400	21.61000	0.29354	21.538	-684.15E-6	-0.15401	1.9116E-6 !
28.21665	147.59400	21.61000	0.30551	21.538	-749.26E-6	-0.16214	2.0115E-6 !
30.78180	147.59400	21.61000	0.31753	21.538	-817.47E-6	-0.17041	2.1129E-6 !
33.34695	147.59400	21.61000	0.32953	21.538	-888.04E-6	-0.17875	2.2152E-6 !
35.91210	147.59400	21.61000	0.34141	21.538	-960.03E-6	-0.18709	2.3174E-6 !
38.47725	147.59400	21.61000	0.35310	21.538	-0.0010323	-0.19533	2.4184E-6 !
41.04240	147.59400	21.61000	0.36449	21.538	-0.0011035	-0.20340	2.5171E-6 !
43.60755	147.59400	21.61000	0.37549	21.538	-0.0011723	-0.21118	2.6124E-6 !
46.17270	147.59400	21.61000	0.38601	21.538	-0.0012371	-0.21858	2.7031E-6 !
48.73785	147.59400	21.61000	0.39594	21.538	-0.0012966	-0.22552	2.7881E-6 !
51.30300	147.59400	21.61000	0.40519	21.538	-0.0013494	-0.23189	2.8663E-6 !
53.86815	147.59400	21.61000	0.41366	21.538	-0.0013946	-0.23763	2.9368E-6 !
56.43330	147.59400	21.61000	0.42127	21.538	-0.0014313	-0.24267	2.9989E-6 !
58.99845	147.59400	21.61000	0.42794	21.538	-0.0014592	-0.24697	3.0519E-6 !
61.56360	147.59400	21.61000	0.43360	21.538	-0.0014781	-0.25049	3.0955E-6 !
64.12875	147.59400	21.61000	0.43820	21.538	-0.0014883	-0.25323	3.1295E-6 !
66.69390	147.59400	21.61000	0.44168	21.538	-0.0014904	-0.25518	3.1539E-6 !
69.25905	147.59400	21.61000	0.44403	21.538	-0.0014849	-0.25635	3.1689E-6 !
71.82420	147.59400	21.61000	0.44521	21.538	-0.0014730	-0.25678	3.1747E-6 !
74.38935	147.59400	21.61000	0.44523	21.538	-0.0014553	-0.25649	3.1718E-6 !
76.95450	147.59400	21.61000	0.44410	21.538	-0.0014328	-0.25552	3.1604E-6 !

79.51965	147.59400	21.61000	0.44183	21.538	-0.0014063	-0.25391	3.1412E-6 !
82.08480	147.59400	21.61000	0.43847	21.538	-0.0013764	-0.25170	3.1145E-6 !
84.64995	147.59400	21.61000	0.43405	21.538	-0.0013436	-0.24892	3.0807E-6 !
87.21510	147.59400	21.61000	0.42864	21.538	-0.0013084	-0.24560	3.0404E-6 !
89.78025	147.59400	21.61000	0.42229	21.538	-0.0012710	-0.24179	2.9938E-6 !
92.34540	147.59400	21.61000	0.41507	21.538	-0.0012315	-0.23751	2.9415E-6 !
94.91055	147.59400	21.61000	0.40707	21.538	-0.0011902	-0.23280	2.8837E-6 !
97.47570	147.59400	21.61000	0.39837	21.538	-0.0011472	-0.22769	2.8210E-6 !
100.04085	147.59400	21.61000	0.38904	21.538	-0.0011025	-0.22220	2.7538E-6 !
102.60600	147.59400	21.61000	0.37917	21.538	-0.0010563	-0.21639	2.6824E-6 !
105.17115	147.59400	21.61000	0.36885	21.538	-0.0010089	-0.21029	2.6074E-6 !
107.73630	147.59400	21.61000	0.35816	21.538	-960.51E-6	-0.20394	2.5293E-6 !
110.30145	147.59400	21.61000	0.34718	21.538	-911.41E-6	-0.19738	2.4487E-6 !
112.86660	147.59400	21.61000	0.33600	21.538	-861.97E-6	-0.19066	2.3660E-6 !
115.43175	147.59400	21.61000	0.32467	21.538	-812.55E-6	-0.18382	2.2818E-6 !
117.99690	147.59400	21.61000	0.31328	21.538	-763.52E-6	-0.17691	2.1967E-6 !
120.56205	147.59400	21.61000	0.30189	21.538	-715.24E-6	-0.16997	2.1112E-6 !
123.12720	147.59400	21.61000	0.29055	21.538	-668.06E-6	-0.16304	2.0259E-6 !
125.69235	147.59400	21.61000	0.27932	21.538	-622.26E-6	-0.15617	1.9411E-6 !
128.25750	147.59400	21.61000	0.26825	21.538	-578.12E-6	-0.14938	1.8574E-6 !
130.82265	147.59400	21.61000	0.25737	21.538	-535.85E-6	-0.14271	1.7751E-6 !
133.38780	147.59400	21.61000	0.24673	21.538	-495.60E-6	-0.13619	1.6946E-6 !
135.95295	147.59400	21.61000	0.23634	21.538	-457.50E-6	-0.12984	1.6161E-6 !
138.51810	147.59400	21.61000	0.22624	21.538	-421.60E-6	-0.12367	1.5399E-6 !
141.08325	147.59400	21.61000	0.21644	21.538	-387.94E-6	-0.11771	1.4662E-6 !
143.64840	147.59400	21.61000	0.20697	21.538	-356.51E-6	-0.11197	1.3951E-6 !
146.21355	147.59400	21.61000	0.19782	21.538	-327.28E-6	-0.10645	1.3268E-6 !
148.77870	147.59400	21.61000	0.18901	21.538	-300.17E-6	-0.10115	1.2612E-6 !
151.34385	147.59400	21.61000	0.18053	21.538	-275.11E-6	-0.096091	1.1985E-6 !

Analysis Options

Analysis: Boussinesq
 Global Poisson's ratio: 0.50
 Maximum allowable ratio between values of E: 1.5
 Horizontal rigid boundary level: -10.00 [m OD]
 Stiffness for horizontal displacement calculations: Weighted average
 Using legacy heave correction factor: No
 Displacements at load centroids: Yes

Soil Profiles Soil Profile 1

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus		Poissons ratio	Non-linear curve
			Top [kN/m ²]	Btm [kN/m ²]		
1	27.000	10	14000.	14000.	0.20000	None
2	24.500	8	30000.	30000.	0.20000	None
3	22.500	74	36000.	108000.	0.50000	None
4	4.0000	52	144000.	279800.	0.50000	None

Soil Zones

Zone	Name	X coordinates		Y coordinates		Profile
		min [m]	max [m]	min [m]	max [m]	
1	Boundary	0.00000	153.90850	0.00000	147.59380	Soil Profile 1

Load Data

Load ref. Number	Name	Load value	Shape	Orientation		Centre of load (Global)			Load position		Polygon Coordinates	[m]	[%]
				Tangential	of (local z)	(local x)	(local y)	X	Y	Z			
10.000	Enabling Works 1.1	18.600	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(80.2, 85.5)	(88.3, 85.6)	
											(87.5, 69.3)	(87.4, 69.3)	
											(87.3, 68.3)	(84.6, 68.3)	
											(84.6, 69)	(79.7, 69)	
											(80.2, 85.5)		

2 Enabling 10.000	9	Polygonal 18.600	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(50.8, 54) (50.8, 50)
Works 1.2									(72.2, 50.8) (72.3, 50.5) (74.4, 50.6) (74.6, 50.9) (74.9, 50.9) (74.9, 56.6) (69.4, 56.7) (69.4, 56.5) (69.3, 56.5) (69.3, 54.4) (69.4, 54.4) (69.4, 53.9) (69.3, 53.9) (69.3, 54) (50.9, 54) (50.9, 54) (50.8, 54)
3 Enabling 10.000	2	Polygonal 11.600	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(79.7, 56.6) (79.7, 51.1)
Works 2									(84.2, 51.2) (84.2, 56.4) (84, 56.4) (84, 56.6) (79.7, 56.6)
4 Enabling 10.000	1	Polygonal 0.60000	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(51, 83.7) (56.3, 83.7)
Works 3									(56.2, 62.7) (50.9, 62.7) (51, 83.7)
5 Enabling 10.000	5	Polygonal -11.400	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(51.2, 62.7) (56.2, 62.7)
Works 4									(56.2, 57.3) (68.6, 57.2) (69.4, 57.2) (69.4, 56.5) (69.3, 56.5) (69.3, 54.4) (69.4, 54.4) (69.4, 53.9) (69.3, 53.9) (69.3, 54) (50.9, 54) (50.9, 62.7) (51.2, 62.7)
6 Enabling 10.000	8	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(88.3, 85.6) (103, 85.7)
Works 5.1									(103, 84.7) (104, 84.7) (104, 84.3) (103, 84.3) (102, 62.8) (88.3, 62.7) (87.6, 64.7) (87.5, 67.9) (87.3, 68.3) (87.4, 69.3) (87.5, 69.3) (88.3, 85.6)
7 Enabling 10.000	4	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(79.7, 69) (79.8, 68.6)
Works 5.2									(79.8, 57.6) (79.8, 56.6) (74.8, 56.6) (74.7, 57.1) (74.6, 57.1) (74.7, 68.5) (74.8, 68.5) (74.8, 68.8) (74.8, 69) (75, 69) (79.7, 69)
8 Enabling 10.000	6	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(50.9, 86.8) (50.9, 92.6)
Works 5.3									(50, 92.6) (49.9, 97.4) (57, 97.3) (57.1, 93.3) (67.2, 93.5) (67.2, 91.8)

9	Enabling	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(66.2,86.8) (50.9,86.8)
10.000	17	-18.400	N/A	N/A						(79.7,69) (84.6,69)
	Works 6.1									(84.6,68.3) (87.3,68.3)
										(87.5,67.9) (87.6,64.7)
										(88.3,62.7) (102,62.8)
										(102,52.4) (102,52.4)
										(102,51.8) (102,51.8)
										(102,51.9) (84.2,51.2)
										(84.2,56.4) (84,56.4)
										(84,56.6) (79.8,56.6)
										(79.8,68.6) (79.7,69)
10	Enabling	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(51,83.7) (51,83.8)
10.000	9	-18.400	N/A	N/A						
	Works 6.2									(50.8,83.8) (50.8,84.3)
										(50.9,84.3) (50.9,86.8)
										(66.2,86.8) (66.1,68.3)
										(68.8,68.3) (68.8,69.1)
										(74.8,69) (74.8,68.5)
										(74.7,68.5) (74.6,57.1)
										(74.7,57.1) (74.8,56.6)
										(69.4,56.7) (69.4,56.5)
										(69.4,57.2) (56.2,57.3)
										(56.3,83.7) (51,83.7)
11	B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(88.3,85.8) (104,85.8)
10.000	11	-107.80	N/A	N/A						
	Excavation A									(102,62.8) (88.3,62.7)
										(87.6,64.7) (87.5,67.9)
										(87.3,68.3) (87.4,69.3)
										(87.5,69.3) (88.3,85.8)
12	B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(79.9,77.2) (81.2,77.2)
10.000	26	-107.80	N/A	N/A						
	Excavation B									(81.2,78.7) (83.8,78.7)
										(83.9,80.4) (83.8,82.9)
										(86,83) (85.9,85.8)
										(88.3,85.8) (87.5,69.3)
										(87.4,69.3) (87.3,68.3)
										(87.5,67.9) (87.6,64.7)
										(88.3,62.7) (102,62.8)
										(102,53.1) (102,52.9)
										(87.6,52.4) (87.7,52.2)
										(87.7,50.4) (85.9,50.3)
										(85.9,50.5) (85.4,50.6)
										(85.3,50.1) (81,50) (80.7,51)
										(80.7,50.6) (79.7,50.6)
										(79.7,53.6) (79.7,56.6)
										(79.8,56.6) (79.8,68.1)
										(82.7,68.2) (82.6,71.4)

13 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(79.8, 71.3)	(79.9, 77.2)
10.000	5	-107.80	N/A	N/A					(69.6, 69.1)	(68.8, 69.1)
Excavation C										
									(68.8, 68.3)	(67.8, 68.3)
									(67.4, 78.2)	(70.5, 78.3)
									(70.6, 73.9)	(77.8, 74.2)
									(77.7, 77.1)	(79.9, 77.2)
									(79.8, 71.3)	(69.6, 70.9)
									(69.6, 69.1)	
14 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(79.8, 68.1)	(79.8, 56.6)
10.000	4	-107.80	N/A	N/A						
Excavation D										
									(79.7, 56.6)	(79.7, 50.6)
									(74.9, 50.4)	(74.9, 56.6)
									(74.8, 56.6)	(74.7, 57.1)
									(74.6, 57.1)	(74.7, 67.9)
									(79.8, 68.1)	
15 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(49.7, 69.5)	(49.7, 50.1)
10.000	10	-107.80	N/A	N/A						
Excavation F										
									(49.9, 49.6)	(50.3, 49.2)
									(50.8, 49.1)	(73.3, 49.8)
									(73.3, 50.4)	(74.9, 50.4)
									(74.9, 56.6)	(74.8, 56.6)
									(74.7, 57.1)	(74.6, 57.1)
									(74.7, 67.9)	(69.7, 67.8)
									(69.6, 69.1)	(68.8, 69.1)
									(68.8, 68.3)	(67.8, 68.3)
									(67.8, 67.9)	(61.9, 67.7)
									(61.9, 69.9)	(49.7, 69.5)
16 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(57.6, 97.8)	(50.4, 97.7)
10.000	20	-107.80	N/A	N/A						
Excavation G										
									(50.4, 86.8)	(66.2, 86.8)
									(66.1, 68.3)	(67.8, 68.3)
									(67.4, 78.2)	(70.5, 78.3)
									(70.6, 73.9)	(77.8, 74.2)
									(77.7, 77.1)	(81.2, 77.2)
									(81.2, 78.7)	(83.8, 78.7)
									(83.8, 82.9)	(86, 83)
									(85.9, 85.8)	(89.1, 85.8)
									(89.1, 90.1)	(83.8, 90.1)
									(83.7, 94)	(68.9, 94)
									(68.9, 93.7)	(57.6, 93.8)
									(57.6, 97.8)	
17 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(53.3, 86.8)	(50.4, 86.8)
10.000	7	-107.80	N/A	N/A						
Excavation H										
									(50.4, 85.2)	(49.7, 85.2)
									(49.7, 69.5)	(61.9, 69.9)
									(61.9, 67.7)	(67.8, 67.9)
									(67.8, 68.3)	(66.1, 68.3)

18 Lift Pit -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(66.2, 86.8)	(53.3, 86.8)
10.000 1	-107.80	N/A	N/A					(69.6, 70.9)	(82.6, 71.4)
Excavation								(82.7, 68.2)	(69.7, 67.8)
								(69.6, 70.9)	
19 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(81.2, 78.7)	(81.2, 77.2)
10.000 18	90.000	N/A	N/A						
Construction								(82.6, 71.4)	(82.7, 68.2)
1								(79.8, 68.1)	(79.7, 53.6)
								(80.7, 51)	(81, 50) (85.3, 50.1)
								(85.4, 50.6)	(85.9, 50.5)
								(85.9, 50.3)	(87.7, 50.4)
								(87.6, 52.4)	(102, 52.9)
								(102, 53.1)	(104, 85.8)
								(85.9, 85.8)	(86, 83)
								(83.8, 82.9)	(83.8, 78.7)
								(81.2, 78.7)	
20 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(81.2, 77.2)	(77.7, 77.1)
10.000 12	90.000	N/A	N/A						
Construction								(77.8, 74.2)	(70.6, 73.9)
2								(70.5, 78.3)	(67.4, 78.2)
								(67.8, 67.9)	(61.9, 67.7)
								(61.9, 69.9)	(49.7, 69.6)
								(49.7, 50.1)	(49.9, 49.6)
								(50.3, 49.2)	(50.8, 49.1)
								(73.3, 49.8)	(73.3, 50.4)
								(80.7, 50.6)	(80.7, 51)
								(79.7, 53.6)	(79.8, 68.1)
								(69.7, 67.8)	(69.6, 70.9)
								(82.6, 71.4)	(81.2, 77.2)
21 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(49.7, 69.6)	(49.7, 85.2)
10.000 20	90.000	N/A	N/A						
Construction								(50.4, 85.2)	(50.4, 97.6)
3								(57.6, 97.8)	(57.6, 93.8)
								(68.9, 93.7)	(68.9, 94)
								(83.7, 94)	(83.8, 90.1)
								(89.1, 90.1)	(89.1, 85.8)
								(85.9, 85.8)	(86, 83)
								(83.8, 82.9)	(83.8, 78.7)
								(81.2, 78.7)	(81.2, 77.2)
								(77.7, 77.1)	(77.8, 74.2)
								(70.6, 73.9)	(70.5, 78.3)
								(67.4, 78.2)	(67.8, 67.9)
								(61.9, 67.7)	(61.9, 69.9)
								(49.7, 69.6)	
22 Lift Pit -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(69.6, 70.9)	(69.7, 67.8)
10.000 1	90.000	N/A	N/A						
Construction								(82.7, 68.2)	(82.6, 71.4)

(69.6,70.9)

Polygonal Loads' Rectangles

No.	Centre of load		Angle of	Width x	Depth y
	X	Y	local x		
			from		
			global X		
	[m]	[m]	[Degrees]	[m]	[m]
Load 1 : Enabling Works 1.1					
(Edge 1 optimal)					
1	85.96575	68.62430	-90.000	0.72060	2.7389
2	86.25496	85.51930	-90.000	0.080600	4.0650
3	83.90496	77.39135	-90.000	16.175	7.9464
4	83.53306	69.15790	-90.000	0.29160	7.6579
Load 2 : Enabling Works 1.2					
(Edge 8 optimal)					
1	74.72227	53.76071	179.70	0.29834	5.7764
2	74.50608	53.69022	179.70	0.13328	5.9196
3	73.38191	53.60396	179.70	2.1141	6.1038
4	72.27104	53.65303	179.70	0.10809	6.0171
5	70.82165	53.69847	179.70	2.7911	5.9413
6	69.36205	55.45700	179.70	0.11140	2.0256
7	69.34631	52.28483	179.70	0.14490	3.2210
8	60.08459	52.17200	179.70	18.377	3.6701
9	50.86525	51.98391	179.70	0.059351	3.9657
Load 3 : Enabling Works 2					
(Edge 6 optimal)					
1	84.10209	53.82223	179.70	0.17084	5.1608
2	81.83703	53.88717	179.70	4.3426	5.4473
Load 4 : Enabling Works 3					
(Edge 1 optimal)					
1	53.57203	73.19282	89.768	20.955	5.2830
Load 5 : Enabling Works 4					
(Edge 5 optimal)					
1	69.35496	53.93215	89.790	0.073173	0.14390
2	60.16382	54.24442	89.790	0.46665	18.523
3	60.10138	55.49083	89.790	2.0257	18.398
4	60.16260	56.85433	89.790	0.70086	18.521
5	53.53159	59.98233	89.790	5.4340	5.2588
Load 6 : Enabling Works 5.1					
(Edge 1 optimal)					
1	87.39194	68.73367	177.17	0.10142	1.1364
2	103.47440	84.49295	177.17	0.057148	0.35654
3	102.87954	73.74655	177.17	0.051448	21.875
4	102.83684	74.00626	177.17	0.059465	22.397
5	95.82251	74.19070	177.17	13.970	22.928
6	88.47096	74.61110	177.17	0.75634	21.938
7	88.02372	75.92575	177.17	0.26668	19.295

8	87.89848	76.77219	177.17	0.066950	17.597
Load 7 : Enabling Works 5.2					
(Edge 2 optimal)					
1	77.30828	62.82955	179.71	4.7194	12.389
2	74.86860	62.84227	179.71	0.16007	12.389
3	74.71247	62.84688	179.71	0.057203	11.400
4	79.73953	62.71925	179.71	0.14339	12.195
Load 8 : Enabling Works 5.3					
(Edge 9 optimal)					
1	67.01345	92.21826	-179.22	0.36715	2.5219
2	66.65756	91.38615	-179.22	0.36715	4.1763
3	66.30167	90.55403	-179.22	0.36715	5.8308
4	61.61512	90.10464	-179.22	9.0173	6.6023
5	53.97184	92.08378	-179.22	6.2083	10.579
6	50.39858	94.99581	-179.22	0.85857	4.8591
Load 9 : Enabling Works 6.1					
(Edge 20 optimal)					
1	79.73580	68.96266	-0.29546	0.071904	0.098465
2	79.80721	68.86498	-0.29546	0.071904	0.29301
3	81.94089	62.80476	-0.29546	4.2276	12.389
4	84.14830	62.69382	-0.29546	0.17106	12.586
5	84.40097	60.11840	-0.29546	0.29922	17.734
6	85.91269	59.78219	-0.29546	2.7202	16.952
7	87.36286	59.72483	-0.29546	0.18066	16.731
8	87.50962	58.82734	-0.29546	0.12210	14.925
9	87.89653	57.52027	-0.29546	0.66520	12.282
10	94.98145	57.19077	-0.29546	13.508	11.106
11	101.80604	52.08427	-0.29546	0.11115	0.54843
12	101.82779	58.02577	-0.29546	0.093376	9.5824
13	101.92566	58.89788	-0.29546	0.093376	7.8402
14	102.02354	59.77000	-0.29546	0.093376	6.0979
15	102.12141	60.64211	-0.29546	0.093376	4.3556
16	102.21929	61.51423	-0.29546	0.093376	2.6134
17	102.31716	62.38634	-0.29546	0.093376	0.87113
Load 10 : Enabling Works 6.2					
(Edge 19 optimal)					
1	61.15982	72.00771	-0.29653	9.8648	29.566
2	67.42842	62.74639	-0.29653	2.6850	11.122
3	69.11334	63.12129	-0.29653	0.68088	11.893
4	72.06678	62.85738	-0.29653	5.2215	12.389
5	74.69732	56.89668	-0.29653	0.10120	0.49514
6	74.74200	68.79252	-0.29653	0.055268	0.49027
7	50.85415	84.06772	-0.29653	0.069227	0.43996
8	50.93103	85.31834	-0.29653	0.071589	2.9447
9	53.61552	85.23107	-0.29653	5.2971	3.1193
Load 11 : B1 - Excavation A					
(Edge 2 optimal)					
1	87.39194	68.73367	177.17	0.10142	1.1364

2	103.83344	84.80675	177.17	0.055700	1.9140
3	103.68331	82.89506	177.17	0.055700	5.7420
4	103.53318	80.98336	177.17	0.055700	9.5700
5	103.38306	79.07167	177.17	0.055700	13.398
6	103.23293	77.15998	177.17	0.055700	17.226
7	103.08281	75.24828	177.17	0.055700	21.054
8	95.91658	74.25337	177.17	14.161	23.041
9	88.47350	74.70897	177.17	0.75176	22.122
10	88.02852	76.02311	177.17	0.26668	19.490
11	87.90322	76.87045	177.17	0.067159	17.794

Load 12 : B1 - Excavation B

(Edge 1 optimal)

1	85.06497	70.33633	-88.104	2.2166	4.9279
2	85.00008	68.74834	-88.104	0.95330	4.6931
3	83.57932	68.17617	-88.104	0.096374	7.4833
4	83.62244	67.96498	-88.104	0.32865	7.5713
5	83.68998	66.16201	-88.104	3.2798	7.7205
6	83.87587	63.52106	-88.104	2.0115	8.1131
7	85.22039	62.50809	-88.104	0.10230	10.812
8	87.58384	62.48399	-88.104	0.10230	15.542
9	89.94729	62.45989	-88.104	0.10230	20.272
10	91.03518	59.71864	-88.104	5.4492	22.471
11	90.82344	55.48598	-88.104	2.9975	22.346
12	90.75261	53.35052	-88.104	1.2664	22.210
13	90.69368	52.61016	-88.104	0.20961	22.094
14	83.66789	52.14714	-88.104	0.25093	8.0357
15	83.68881	51.55018	-88.104	0.94373	8.0793
16	80.18139	50.77231	-88.104	0.37902	1.0626
17	84.24735	50.83072	-88.104	0.53136	6.9221
18	83.14684	50.28438	-88.104	0.48790	4.4051
19	86.67559	50.57043	-88.104	0.14965	2.0447
20	86.78349	50.43774	-88.104	0.12274	1.8215
21	86.49640	85.73592	-88.104	0.078971	1.2077
22	87.08916	84.37478	-88.104	2.6810	2.3026
23	85.96652	81.74569	-88.104	2.5000	4.2847
24	85.92278	79.65061	-88.104	1.6850	4.1586
25	84.55953	78.04717	-88.104	1.4299	6.7276
26	83.78941	74.35473	-88.104	5.9000	7.8946

Load 13 : B1 - Excavation C

(Edge 11 optimal)

1	78.82849	75.66627	-88.104	2.9500	2.1143
2	69.03338	76.05752	-88.104	4.3800	3.0393
3	73.72851	72.54590	-88.104	2.9499	12.156
4	68.67376	69.98410	-88.104	1.8365	1.8598
5	68.29690	68.68740	-88.104	0.73057	1.0083

Load 14 : B1 - Excavation D

(Edge 1 optimal)

1	74.73591	62.53858	-0.39631	0.10120	10.789
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2	74.86064	62.29262	-0.39631	0.12960	11.289
3	77.30333	59.25235	-0.39631	4.7476	17.533
4	79.74959	62.36051	-0.39631	0.10180	11.477

Load 15 : B1 - Excavation F

(Edge 6 optimal)

1	61.93685	49.51710	91.879	0.12784	22.734
2	61.69386	49.77453	91.879	0.40269	23.203
3	62.32646	50.24511	91.879	0.47059	25.099
4	62.28932	53.35711	91.879	5.7525	25.191
5	62.22657	56.48547	91.879	0.49508	25.066
6	62.18906	62.12735	91.879	10.777	24.993
7	59.68631	67.54554	91.879	0.21762	19.986
8	68.73979	68.12583	91.879	0.34542	1.8509
9	69.22373	68.68307	91.879	0.73672	0.84660
10	55.79293	68.62586	91.879	2.1971	12.196

Load 16 : B1 - Excavation G

(Edge 3 optimal)

1	53.96705	92.25787	0.0	7.1827	10.934
2	61.88130	90.26159	0.0	8.5750	6.9418
3	66.14175	72.93333	0.0	0.054100	9.2383
4	66.80015	81.00975	0.0	1.2627	25.398
5	67.46278	72.83949	0.0	0.062567	9.0641
6	67.52535	72.01517	0.0	0.062567	7.4161
7	67.58792	71.19084	0.0	0.062567	5.7681
8	67.65048	70.36651	0.0	0.062567	4.1200
9	67.71305	69.54219	0.0	0.062567	2.4720
10	67.77562	68.71786	0.0	0.062567	0.82401
11	68.18025	85.96125	0.0	1.4975	15.482
12	69.70440	86.11146	0.0	1.5508	15.681
13	70.55220	85.03087	0.0	0.14480	17.846
14	74.17385	83.99935	0.0	7.0985	19.926
15	77.77190	74.89339	0.0	0.097600	1.4758
16	79.44850	85.56851	0.0	3.4508	16.812
17	82.46020	86.33719	0.0	2.5726	15.288
18	84.83780	86.52759	0.0	2.1076	7.1372
19	85.93720	83.68577	0.0	0.091200	1.3808
20	87.47320	87.93869	0.0	3.1632	4.3614

Load 17 : B1 - Excavation H

(Edge 1 optimal)

1	51.81970	78.19297	-180.00	2.8880	17.195
2	50.03695	77.37189	-180.00	0.67750	15.671
3	66.96080	68.10222	-180.00	1.6922	0.41557
4	66.14175	82.17160	-180.00	0.054100	9.2382
5	64.01920	77.29391	-180.00	4.1910	18.994
6	61.88745	77.80903	-180.00	0.072500	17.963
7	57.55745	78.28782	-180.00	8.5875	17.006

Load 18 : Lift Pit - Excavation

(Edge 2 optimal)

1	76.12170	69.56345	1.8951	13.000	3.1699
Load 19 : B1 - Construction 1					
(Edge 1 optimal)					
1	92.32542	78.30415	-88.104	1.4299	22.268
2	92.55541	74.64476	-88.104	5.9001	21.336
3	92.77179	70.11444	-88.104	3.1699	20.318
4	91.05245	61.23275	-88.104	14.470	22.623
5	90.87751	53.35465	-88.104	1.2661	21.959
6	90.96457	52.61919	-88.104	0.20982	21.552
7	84.05911	51.68797	-88.104	1.1948	7.1802
8	84.23147	50.83018	-88.104	0.53129	6.8903
9	83.14683	50.28438	-88.104	0.48796	4.4051
10	86.66970	50.57022	-88.104	0.14964	2.0329
11	86.78160	50.43766	-88.104	0.12274	1.8177
12	86.79342	85.72634	-88.104	0.11775	1.8007
13	88.59705	85.66821	-88.104	0.11775	5.4022
14	90.40069	85.61009	-88.104	0.11775	9.0036
15	92.20432	85.55197	-88.104	0.11775	12.605
16	94.00796	85.49384	-88.104	0.11775	16.207
17	94.89277	84.37800	-88.104	2.1713	17.901
18	93.71864	81.15925	-88.104	4.1850	19.842
Load 20 : B1 - Construction 2					
(Edge 2 optimal)					
1	79.66461	75.69395	-88.104	2.9500	3.7875
2	69.03338	76.05752	-88.104	4.3800	3.0393
3	74.94156	72.58606	-88.104	2.9499	14.584
4	68.69353	69.42763	-88.104	2.9501	1.8572
5	55.79291	68.62560	-88.104	2.2003	12.196
6	59.68630	67.54363	-88.104	0.21983	19.986
7	64.72350	60.36127	-88.104	14.470	30.064
8	64.92945	51.84983	-88.104	2.5573	30.474
9	65.20242	50.52281	-88.104	0.11339	30.980
10	65.25796	50.28921	-88.104	0.35724	30.925
11	61.70101	49.77472	-88.104	0.39573	23.209
12	61.93831	49.52057	-88.104	0.12800	22.737
Load 21 : B1 - Construction 3					
(Edge 15 optimal)					
1	61.86698	81.28176	0.094189	0.068885	24.909
2	64.66476	80.77207	0.094189	5.5250	25.906
3	67.47810	72.54011	0.094189	0.074602	9.2566
4	67.55439	71.51406	0.094189	0.074602	7.1996
5	67.63068	70.48802	0.094189	0.074602	5.1426
6	67.70697	69.46197	0.094189	0.074602	3.0855
7	67.78326	68.43592	0.094189	0.074602	1.0285
8	68.18018	85.96588	0.094189	1.5229	15.490
9	69.70417	86.11165	0.094189	1.5256	15.681
10	70.53753	85.03084	0.094189	0.13760	17.846
11	74.15990	83.99936	0.094189	7.1037	19.926

12	77.77311	74.89343	0.094189	0.092753	1.4757
13	79.43586	85.56850	0.094189	3.4533	16.812
14	82.46017	86.33738	0.094189	2.5978	15.288
15	84.83849	86.52768	0.094189	2.1037	7.1370
16	85.93833	83.68581	0.094189	0.086665	1.3807
17	87.46962	87.93866	0.094189	3.1632	4.3613
18	50.04865	77.39173	0.094189	0.67984	15.631
19	53.99005	83.68298	0.094189	7.1830	27.979
20	59.72256	81.80444	0.094189	4.2182	23.881

Load 22 : Lift Pit - Construction

(Edge 1 optimal)

1	76.12170	69.56345	-88.104	3.1696	13.000
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Displacement Data

Show Ref.	Type	Name	Direction	Line/Line for extrusion						No. of intrvls	No. of intrvls	
			of	First point			Second point			across	Extrusion	along
Calculate Detailed			Extrusion	X	Y	Z(level)	X	Y	Z(level)	extrusion/line	Depth	extrusion
results				[m]	[m]	[m]	[m]	[m]	[m]		[m]	
1	Line	Tottenham	N/A	102.36610	62.82240	27.00000	127.36600	62.82200	27.00000	25	N/A	N/A
Yes	Yes	Court Road										
2	Line	Howland	N/A	73.35500	51.30090	27.00000	73.35500	36.30100	27.00000	15	N/A	N/A
Yes	Yes	Street										
3	Line	Whitfield	N/A	50.82040	76.36570	27.00000	40.82040	76.36570	27.00000	10	N/A	N/A
Yes	Yes	Street										
4	Line	Qube	N/A	94.43210	85.75880	24.36000	94.43200	137.75900	24.36000	52	N/A	N/A
Yes	Yes											
5	Grid	Raft	Global X	0.00000	0.00000	21.61000	N/A	147.59400	21.61000	60	153.90900	60
Yes	Yes	Formation										

Warnings

(1)The displacement location of Grid 5 at (153.909, 0.000, 21.610)m lies wide of all soil zones. The first soil profile will be used. There are more displacement locations for which this warning applies. Only one is detailed here.

RESULTS FOR GRIDS

Analysis: Boussinesq

Global Poisson's ratio: 0.50

Horizontal rigid boundary level: -10.00 [m OD]

The maximum displacement difference between the Boussinesq method (-1.6745mm) and the Mindlin method (-0.34622mm) occurs at point X = 50.82040m, Y = 76.36570m, level = 27.000mOD, and is 1.3283mm.

Name	Location		Displacement		Stresses			
	X [m]	Y [m]	Z [Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m ²]	Sum Princ [kN/m ²]	Vert Strain [-]
Enabling Works 1.1	83.93674	77.19338	24.92000	-0.55561	24.815	17.278	37.807	940.90E-6
Enabling Works 1.2	63.82263	52.65957	24.92000	0.18101	24.815	18.580	51.543	856.27E-6
Enabling Works 2	81.91347	53.88372	24.92000	-1.5387	24.815	11.022	25.567	579.45E-6
Enabling Works 3	53.57175	73.19850	24.92000	-2.2858	24.815	0.57984	-0.39031	55.277E-6
Enabling Works 4	57.97182	57.03782	24.92000	-3.9619	24.815	-11.452	-36.493	-460.25E-6
Enabling Works 5.1	95.37095	74.24229	27.00000	-17.853	26.886	-52.000	-154.24	-0.0022537
Enabling Works 5.2	77.25530	62.82244	27.00000	-14.688	26.886	-51.998	-151.34	-0.0022950
Enabling Works 5.3	57.68470	91.26023	27.00000	-15.252	26.886	-51.998	-152.37	-0.0022802
Enabling Works 6.1	90.34978	58.88939	24.92000	-6.5924	24.815	-19.395	-67.326	-700.63E-6
Enabling Works 6.2	63.18110	70.26044	24.92000	-5.5951	24.815	-18.429	-56.557	-771.64E-6
B1 - Excavation A	95.48867	74.34890	21.61000	-8.4257	21.538	-63.704	-135.60	-698.39E-6
B1 - Excavation B	88.19409	62.78266	21.61000	-4.7259	21.538	59.473	125.06	671.25E-6
B1 - Excavation C	72.85398	73.46545	21.61000	-2.8519	21.538	-20.423	-69.608	104.91E-6
B1 - Excavation D	77.25622	59.39440	21.61000	-5.1083	21.538	-43.056	-98.179	-389.84E-6
B1 - Excavation F	61.85746	59.15857	21.61000	-3.8431	21.538	-33.680	-86.227	-186.34E-6
B1 - Excavation G	70.40714	86.59129	21.61000	-2.8120	21.538	-21.574	-69.354	58.280E-6
B1 - Excavation H	58.12595	77.94039	21.61000	-4.1851	21.538	-33.180	-89.798	-122.57E-6
Lift Pit - Excavation	76.12170	69.56345	21.61000	-4.0164	21.538	-31.073	-84.576	-108.74E-6
B1 - Construction 1	91.88972	68.27504	21.61000	-7.7870	21.538	-58.917	-128.10	-611.98E-6
B1 -	65.35923	60.76965	21.61000	-4.2729	21.538	-35.264	-91.950	-174.13E-6

Construction 2								
B1 -	65.87426	83.38958	21.61000	-4.0983	21.538	-31.535	-86.924	-96.611E-6
Construction 3								
Lift Pit -	76.12170	69.56345	21.61000	-4.0164	21.538	-31.073	-84.576	-108.74E-6
Construction								
Tottenham Court	102.36610	62.82240	27.00000	-7.8873	26.886	-15.741	-53.438	-585.79E-6
Road								
	103.36610	62.82238	27.00000	-3.6390	26.886	-0.010744	-3.1470	44.036E-6
	104.36609	62.82237	27.00000	-2.2585	26.886	-0.0012564	-1.3864	19.698E-6
	105.36609	62.82235	27.00000	-1.4802	26.886	-356.55E-6	-0.84202	11.998E-6
	106.36608	62.82234	27.00000	-0.97134	26.886	-146.00E-6	-0.58267	8.3113E-6
	107.36608	62.82232	27.00000	-0.61428	26.886	-72.982E-6	-0.43288	6.1778E-6
	108.36608	62.82230	27.00000	-0.35397	26.886	-41.336E-6	-0.33636	4.8016E-6
	109.36607	62.82229	27.00000	-0.15984	26.886	-25.496E-6	-0.26959	3.8492E-6
	110.36607	62.82227	27.00000	-0.013097	26.886	-16.727E-6	-0.22108	3.1568E-6
	111.36606	62.82226	27.00000	0.098649	26.886	-11.498E-6	-0.18451	2.6349E-6
	112.36606	62.82224	27.00000	0.18394	26.886	-8.1965E-6	-0.15617	2.2302E-6
	113.36606	62.82222	27.00000	0.24888	26.886	-6.0164E-6	-0.13371	1.9096E-6
	114.36605	62.82221	27.00000	0.29799	26.886	-4.5232E-6	-0.11559	1.6509E-6
	115.36605	62.82219	27.00000	0.33463	26.886	-3.4693E-6	-0.10075	1.4390E-6
	116.36604	62.82218	27.00000	0.36139	26.886	-2.7064E-6	-0.088446	1.2633E-6
	117.36604	62.82216	27.00000	0.38030	26.886	-2.1422E-6	-0.078135	1.1160E-6
	118.36604	62.82214	27.00000	0.39293	26.886	-1.7173E-6	-0.069412	0.0
	119.36603	62.82213	27.00000	0.40054	26.886	-1.3920E-6	-0.061972	0.0
	120.36603	62.82211	27.00000	0.40413	26.886	-1.1396E-6	-0.055581	0.0
	121.36602	62.82210	27.00000	0.40451	26.886	0.0	-0.050056	0.0
	122.36602	62.82208	27.00000	0.40234	26.886	0.0	-0.045251	0.0
	123.36602	62.82206	27.00000	0.39816	26.886	0.0	-0.041050	0.0
	124.36601	62.82205	27.00000	0.39238	26.886	0.0	-0.037360	0.0
	125.36601	62.82203	27.00000	0.38538	26.886	0.0	-0.034104	0.0
	126.36600	62.82202	27.00000	0.37744	26.886	0.0	-0.031220	0.0
	127.36600	62.82200	27.00000	0.36879	26.886	0.0	-0.028655	0.0
Howland Street	73.35500	51.30090	27.00000	0.39184	26.886	-29.452E-6	-0.20053	2.8622E-6
	73.35500	50.30091	27.00000	-0.15116	26.886	-17.274E-6	-0.15717	2.2439E-6
	73.35500	49.30091	27.00000	-0.021701	26.886	-10.761E-6	-0.12674	1.8097E-6
	73.35500	48.30092	27.00000	0.10264	26.886	-7.0411E-6	-0.10459	1.4935E-6
	73.35500	47.30093	27.00000	0.20121	26.886	-4.7995E-6	-0.087958	1.2561E-6
	73.35500	46.30093	27.00000	0.27924	26.886	-3.3869E-6	-0.075137	1.0731E-6
	73.35500	45.30094	27.00000	0.33978	26.886	-2.4620E-6	-0.065027	0.0
	73.35500	44.30095	27.00000	0.38587	26.886	-1.8362E-6	-0.056900	0.0
	73.35500	43.30095	27.00000	0.42016	26.886	-1.4003E-6	-0.050253	0.0
	73.35500	42.30096	27.00000	0.44489	26.886	-1.0888E-6	-0.044737	0.0
	73.35500	41.30097	27.00000	0.46187	26.886	0.0	-0.040101	0.0
	73.35500	40.30097	27.00000	0.47259	26.886	0.0	-0.036160	0.0
	73.35500	39.30098	27.00000	0.47826	26.886	0.0	-0.032777	0.0
	73.35500	38.30099	27.00000	0.47987	26.886	0.0	-0.029847	0.0
	73.35500	37.30099	27.00000	0.47823	26.886	0.0	-0.027291	0.0
	73.35500	36.30100	27.00000	0.47400	26.886	0.0	-0.025044	0.0

Whitfield Street	50.82040	76.36570	27.00000	-1.6745	26.886	-5.6790E-6	-0.11000	1.5710E-6
	49.82040	76.36570	27.00000	-1.2418	26.886	-5.0391E-6	-0.10226	1.4604E-6
	48.82040	76.36570	27.00000	-0.60461	26.886	-4.4118E-6	-0.094529	1.3500E-6
	47.82040	76.36570	27.00000	-0.31257	26.886	-3.8175E-6	-0.086961	1.2420E-6
	46.82040	76.36570	27.00000	-0.11848	26.886	-3.2713E-6	-0.079688	1.1381E-6
	45.82040	76.36570	27.00000	0.021580	26.886	-2.7819E-6	-0.072807	1.0399E-6
	44.82040	76.36570	27.00000	0.12613	26.886	-2.3527E-6	-0.066380	0.0
	43.82040	76.36570	27.00000	0.20533	26.886	-1.9823E-6	-0.060443	0.0
	42.82040	76.36570	27.00000	0.26552	26.886	-1.6668E-6	-0.055003	0.0
	41.82040	76.36570	27.00000	0.31108	26.886	-1.4005E-6	-0.050052	0.0
	40.82040	76.36570	27.00000	0.34513	26.886	-1.1772E-6	-0.045567	0.0
Qube	94.43210	85.75880	24.36000	-5.9463	24.244	-25.168	-58.790	-614.79E-6
	94.43210	86.75880	24.36000	-4.0429	24.244	-14.251	-42.827	-284.51E-6
	94.43210	87.75881	24.36000	-2.7876	24.244	-7.2329	-30.272	-87.505E-6
	94.43209	88.75881	24.36000	-1.8990	24.244	-3.6717	-21.600	-2.8680E-6
	94.43209	89.75882	24.36000	-1.2705	24.244	-1.9604	-15.816	27.026E-6
	94.43209	90.75882	24.36000	-0.82049	24.244	-1.1123	-11.919	34.969E-6
	94.43209	91.75882	24.36000	-0.49290	24.244	-0.66781	-9.2253	34.789E-6
	94.43209	92.75883	24.36000	-0.25078	24.244	-0.42115	-7.3105	31.891E-6
	94.43208	93.75883	24.36000	-0.069699	24.244	-0.27697	-5.9127	28.339E-6
	94.43208	94.75883	24.36000	0.066855	24.244	-0.18878	-4.8675	24.899E-6
	94.43208	95.75884	24.36000	0.17030	24.244	-0.13270	-4.0691	21.820E-6
	94.43208	96.75884	24.36000	0.24872	24.244	-0.095793	-3.4475	19.152E-6
	94.43208	97.75885	24.36000	0.30796	24.244	-0.070783	-2.9553	16.870E-6
	94.43207	98.75885	24.36000	0.35235	24.244	-0.053388	-2.5596	14.928E-6
	94.43207	99.75885	24.36000	0.38512	24.244	-0.041008	-2.2372	13.274E-6
	94.43207	100.75886	24.36000	0.40874	24.244	-0.032015	-1.9712	11.861E-6
	94.43207	101.75886	24.36000	0.42509	24.244	-0.025362	-1.7494	10.648E-6
	94.43207	102.75887	24.36000	0.43566	24.244	-0.020358	-1.5626	9.6031E-6
	94.43207	103.75887	24.36000	0.44162	24.244	-0.016537	-1.4038	8.6971E-6
	94.43206	104.75887	24.36000	0.44390	24.244	-0.013579	-1.2676	7.9078E-6
	94.43206	105.75888	24.36000	0.44323	24.244	-0.011260	-1.1500	7.2165E-6
	94.43206	106.75888	24.36000	0.44023	24.244	-0.0094208	-1.0477	6.6081E-6
	94.43206	107.75888	24.36000	0.43536	24.244	-0.0079470	-0.95818	6.0700E-6
	94.43206	108.75889	24.36000	0.42904	24.244	-0.0067539	-0.87932	5.5920E-6
	94.43205	109.75889	24.36000	0.42157	24.244	-0.0057794	-0.80949	5.1654E-6
	94.43205	110.75890	24.36000	0.41323	24.244	-0.0049767	-0.74736	4.7833E-6
	94.43205	111.75890	24.36000	0.40423	24.244	-0.0043101	-0.69181	4.4397E-6
	94.43205	112.75890	24.36000	0.39474	24.244	-0.0037527	-0.64195	4.1295E-6
	94.43205	113.75891	24.36000	0.38492	24.244	-0.0032833	-0.59700	3.8487E-6
	94.43204	114.75891	24.36000	0.37487	24.244	-0.0028856	-0.55635	3.5936E-6
	94.43204	115.75892	24.36000	0.36471	24.244	-0.0025466	-0.51946	3.3612E-6
	94.43204	116.75892	24.36000	0.35450	24.244	-0.0022560	-0.48588	3.1489E-6
	94.43204	117.75892	24.36000	0.34432	24.244	-0.0020058	-0.45522	2.9545E-6
	94.43204	118.75893	24.36000	0.33422	24.244	-0.0017892	-0.42715	2.7761E-6
	94.43203	119.75893	24.36000	0.32423	24.244	-0.0016009	-0.40139	2.6119E-6
	94.43203	120.75893	24.36000	0.31440	24.244	-0.0014366	-0.37771	2.4606E-6

	94.43203	121.75894	24.36000	0.30475	24.244	-0.0012926	-0.35587	2.3208E-6
	94.43203	122.75894	24.36000	0.29531	24.244	-0.0011659	-0.33571	2.1914E-6
	94.43203	123.75895	24.36000	0.28608	24.244	-0.0010541	-0.31705	2.0715E-6
	94.43203	124.75895	24.36000	0.27708	24.244	-955.22E-6	-0.29975	1.9601E-6
	94.43202	125.75895	24.36000	0.26832	24.244	-867.40E-6	-0.28369	1.8566E-6
	94.43202	126.75896	24.36000	0.25980	24.244	-789.20E-6	-0.26876	1.7602E-6
	94.43202	127.75896	24.36000	0.25153	24.244	-719.40E-6	-0.25486	1.6703E-6
	94.43202	128.75897	24.36000	0.24351	24.244	-656.94E-6	-0.24189	1.5863E-6
	94.43202	129.75897	24.36000	0.23574	24.244	-600.92E-6	-0.22978	1.5078E-6
	94.43201	130.75897	24.36000	0.22821	24.244	-550.56E-6	-0.21846	1.4344E-6
	94.43201	131.75898	24.36000	0.22092	24.244	-505.20E-6	-0.20786	1.3656E-6
	94.43201	132.75898	24.36000	0.21388	24.244	-464.26E-6	-0.19793	1.3010E-6
	94.43201	133.75898	24.36000	0.20707	24.244	-427.23E-6	-0.18862	1.2404E-6
	94.43201	134.75899	24.36000	0.20049	24.244	-393.69E-6	-0.17987	1.1834E-6
	94.43200	135.75899	24.36000	0.19414	24.244	-363.25E-6	-0.17165	1.1298E-6
	94.43200	136.75900	24.36000	0.18800	24.244	-335.59E-6	-0.16391	1.0793E-6
	94.43200	137.75900	24.36000	0.18208	24.244	-310.40E-6	-0.15663	1.0318E-6
Raft Formation	0.00000	0.00000	21.61000	0.056465	21.538	-136.54E-6	-0.066380	0.0
	2.56515	0.00000	21.61000	0.059189	21.538	-148.28E-6	-0.069794	0.0
	5.13030	0.00000	21.61000	0.062034	21.538	-161.05E-6	-0.073385	0.0
	7.69545	0.00000	21.61000	0.064998	21.538	-174.92E-6	-0.077159	0.0
	10.26060	0.00000	21.61000	0.068083	21.538	-189.99E-6	-0.081122	1.0134E-6
	12.82575	0.00000	21.61000	0.071286	21.538	-206.32E-6	-0.085275	1.0650E-6
	15.39090	0.00000	21.61000	0.074603	21.538	-224.02E-6	-0.089624	1.1190E-6
	17.95605	0.00000	21.61000	0.078030	21.538	-243.18E-6	-0.094169	1.1755E-6
	20.52120	0.00000	21.61000	0.081561	21.538	-263.87E-6	-0.098911	1.2344E-6
	23.08635	0.00000	21.61000	0.085188	21.538	-286.19E-6	-0.10385	1.2956E-6
	25.65150	0.00000	21.61000	0.088899	21.538	-310.21E-6	-0.10898	1.3593E-6
	28.21665	0.00000	21.61000	0.092682	21.538	-336.03E-6	-0.11430	1.4252E-6
	30.78180	0.00000	21.61000	0.096522	21.538	-363.70E-6	-0.11979	1.4933E-6
	33.34695	0.00000	21.61000	0.10040	21.538	-393.28E-6	-0.12546	1.5635E-6
	35.91210	0.00000	21.61000	0.10430	21.538	-424.81E-6	-0.13128	1.6355E-6
	38.47725	0.00000	21.61000	0.10820	21.538	-458.31E-6	-0.13724	1.7092E-6
	41.04240	0.00000	21.61000	0.11208	21.538	-493.77E-6	-0.14332	1.7844E-6
	43.60755	0.00000	21.61000	0.11590	21.538	-531.14E-6	-0.14950	1.8606E-6
	46.17270	0.00000	21.61000	0.11965	21.538	-570.34E-6	-0.15573	1.9376E-6
	48.73785	0.00000	21.61000	0.12329	21.538	-611.21E-6	-0.16200	2.0150E-6
	51.30300	0.00000	21.61000	0.12679	21.538	-653.56E-6	-0.16827	2.0922E-6
	53.86815	0.00000	21.61000	0.13013	21.538	-697.11E-6	-0.17449	2.1688E-6
	56.43330	0.00000	21.61000	0.13326	21.538	-741.50E-6	-0.18061	2.2441E-6
	58.99845	0.00000	21.61000	0.13617	21.538	-786.31E-6	-0.18658	2.3175E-6
	61.56360	0.00000	21.61000	0.13883	21.538	-831.00E-6	-0.19235	2.3884E-6
	64.12875	0.00000	21.61000	0.14120	21.538	-874.98E-6	-0.19784	2.4559E-6
	66.69390	0.00000	21.61000	0.14327	21.538	-917.59E-6	-0.20301	2.5192E-6
	69.25905	0.00000	21.61000	0.14500	21.538	-958.10E-6	-0.20777	2.5776E-6
	71.82420	0.00000	21.61000	0.14639	21.538	-995.76E-6	-0.21207	2.6303E-6
	74.38935	0.00000	21.61000	0.14741	21.538	-0.0010298	-0.21584	2.6764E-6
	76.95450	0.00000	21.61000	0.14805	21.538	-0.0010596	-0.21901	2.7151E-6

79.51965	0.00000	21.61000	0.14830	21.538	-0.0010843	-0.22152	2.7459E-6
82.08480	0.00000	21.61000	0.14817	21.538	-0.0011033	-0.22334	2.7680E-6
84.64995	0.00000	21.61000	0.14764	21.538	-0.0011163	-0.22441	2.7810E-6
87.21510	0.00000	21.61000	0.14673	21.538	-0.0011229	-0.22471	2.7845E-6
89.78025	0.00000	21.61000	0.14544	21.538	-0.0011227	-0.22423	2.7784E-6
92.34540	0.00000	21.61000	0.14379	21.538	-0.0011159	-0.22295	2.7626E-6
94.91055	0.00000	21.61000	0.14179	21.538	-0.0011025	-0.22090	2.7374E-6
97.47570	0.00000	21.61000	0.13947	21.538	-0.0010828	-0.21810	2.7029E-6
100.04085	0.00000	21.61000	0.13685	21.538	-0.0010573	-0.21459	2.6597E-6
102.60600	0.00000	21.61000	0.13395	21.538	-0.0010265	-0.21043	2.6085E-6
105.17115	0.00000	21.61000	0.13081	21.538	-991.08E-6	-0.20567	2.5499E-6
107.73630	0.00000	21.61000	0.12747	21.538	-951.78E-6	-0.20038	2.4849E-6
110.30145	0.00000	21.61000	0.12394	21.538	-909.37E-6	-0.19464	2.4143E-6
112.86660	0.00000	21.61000	0.12026	21.538	-864.63E-6	-0.18853	2.3392E-6
115.43175	0.00000	21.61000	0.11646	21.538	-818.35E-6	-0.18213	2.2603E-6
117.99690	0.00000	21.61000	0.11258	21.538	-771.23E-6	-0.17551	2.1788E-6
120.56205	0.00000	21.61000	0.10864	21.538	-723.95E-6	-0.16874	2.0954E-6
123.12720	0.00000	21.61000	0.10468	21.538	-677.08E-6	-0.16189	2.0111E-6
125.69235	0.00000	21.61000	0.10071	21.538	-631.14E-6	-0.15503	1.9265E-6
128.25750	0.00000	21.61000	0.096758	21.538	-586.55E-6	-0.14820	1.8423E-6
130.82265	0.00000	21.61000	0.092849	21.538	-543.63E-6	-0.14146	1.7591E-6
133.38780	0.00000	21.61000	0.089000	21.538	-502.63E-6	-0.13485	1.6774E-6
135.95295	0.00000	21.61000	0.085226	21.538	-463.75E-6	-0.12839	1.5977E-6
138.51810	0.00000	21.61000	0.081539	21.538	-427.08E-6	-0.12212	1.5202E-6
141.08325	0.00000	21.61000	0.077952	21.538	-392.68E-6	-0.11605	1.4452E-6
143.64840	0.00000	21.61000	0.074473	21.538	-360.57E-6	-0.11021	1.3729E-6
146.21355	0.00000	21.61000	0.071108	21.538	-330.71E-6	-0.10460	1.3034E-6
148.77870	0.00000	21.61000	0.067862	21.538	-303.05E-6	-0.099233	1.2369E-6
151.34385	0.00000	21.61000	0.064738	21.538	-277.51E-6	-0.094105	1.1734E-6
153.90900	0.00000	21.61000	0.061739	21.538	-253.98E-6	-0.089220	1.1128E-6 !
0.00000	2.45990	21.61000	0.059019	21.538	-147.68E-6	-0.069575	0.0
2.56515	2.45990	21.61000	0.061954	21.538	-160.78E-6	-0.073268	0.0
5.13030	2.45990	21.61000	0.065024	21.538	-175.07E-6	-0.077162	0.0
7.69545	2.45990	21.61000	0.068232	21.538	-190.65E-6	-0.081265	1.0151E-6
10.26060	2.45990	21.61000	0.071577	21.538	-207.62E-6	-0.085583	1.0688E-6
12.82575	2.45990	21.61000	0.075058	21.538	-226.10E-6	-0.090122	1.1252E-6
15.39090	2.45990	21.61000	0.078673	21.538	-246.20E-6	-0.094888	1.1844E-6
17.95605	2.45990	21.61000	0.082417	21.538	-268.03E-6	-0.099882	1.2464E-6
20.52120	2.45990	21.61000	0.086283	21.538	-291.70E-6	-0.10511	1.3113E-6
23.08635	2.45990	21.61000	0.090263	21.538	-317.33E-6	-0.11057	1.3790E-6
25.65150	2.45990	21.61000	0.094346	21.538	-345.05E-6	-0.11625	1.4495E-6
28.21665	2.45990	21.61000	0.098518	21.538	-374.95E-6	-0.12217	1.5227E-6
30.78180	2.45990	21.61000	0.10276	21.538	-407.14E-6	-0.12830	1.5986E-6
33.34695	2.45990	21.61000	0.10706	21.538	-441.71E-6	-0.13464	1.6771E-6
35.91210	2.45990	21.61000	0.11139	21.538	-478.74E-6	-0.14117	1.7579E-6
38.47725	2.45990	21.61000	0.11573	21.538	-518.28E-6	-0.14788	1.8408E-6
41.04240	2.45990	21.61000	0.12005	21.538	-560.35E-6	-0.15475	1.9256E-6
43.60755	2.45990	21.61000	0.12432	21.538	-604.93E-6	-0.16175	2.0120E-6

46.17270	2.45990	21.61000	0.12851	21.538	-651.94E-6	-0.16885	2.0995E-6
48.73785	2.45990	21.61000	0.13259	21.538	-701.26E-6	-0.17601	2.1878E-6
51.30300	2.45990	21.61000	0.13652	21.538	-752.67E-6	-0.18319	2.2762E-6
53.86815	2.45990	21.61000	0.14026	21.538	-805.85E-6	-0.19035	2.3642E-6
56.43330	2.45990	21.61000	0.14379	21.538	-860.40E-6	-0.19742	2.4512E-6
58.99845	2.45990	21.61000	0.14707	21.538	-915.78E-6	-0.20435	2.5362E-6
61.56360	2.45990	21.61000	0.15007	21.538	-971.35E-6	-0.21107	2.6187E-6
64.12875	2.45990	21.61000	0.15274	21.538	-0.0010264	-0.21751	2.6975E-6
66.69390	2.45990	21.61000	0.15507	21.538	-0.0010799	-0.22358	2.7719E-6
69.25905	2.45990	21.61000	0.15703	21.538	-0.0011311	-0.22920	2.8407E-6
71.82420	2.45990	21.61000	0.15860	21.538	-0.0011790	-0.23430	2.9030E-6
74.38935	2.45990	21.61000	0.15975	21.538	-0.0012224	-0.23879	2.9578E-6
76.95450	2.45990	21.61000	0.16047	21.538	-0.0012605	-0.24258	3.0042E-6
79.51965	2.45990	21.61000	0.16076	21.538	-0.0012923	-0.24562	3.0411E-6
82.08480	2.45990	21.61000	0.16060	21.538	-0.0013169	-0.24783	3.0680E-6
84.64995	2.45990	21.61000	0.16000	21.538	-0.0013338	-0.24916	3.0841E-6
87.21510	2.45990	21.61000	0.15897	21.538	-0.0013424	-0.24957	3.0890E-6
89.78025	2.45990	21.61000	0.15751	21.538	-0.0013425	-0.24905	3.0824E-6
92.34540	2.45990	21.61000	0.15564	21.538	-0.0013340	-0.24759	3.0643E-6
94.91055	2.45990	21.61000	0.15338	21.538	-0.0013171	-0.24520	3.0349E-6
97.47570	2.45990	21.61000	0.15075	21.538	-0.0012921	-0.24191	2.9946E-6
100.04085	2.45990	21.61000	0.14779	21.538	-0.0012597	-0.23779	2.9439E-6
102.60600	2.45990	21.61000	0.14453	21.538	-0.0012206	-0.23289	2.8837E-6
105.17115	2.45990	21.61000	0.14100	21.538	-0.0011757	-0.22729	2.8150E-6
107.73630	2.45990	21.61000	0.13723	21.538	-0.0011260	-0.22108	2.7388E-6
110.30145	2.45990	21.61000	0.13326	21.538	-0.0010726	-0.21436	2.6562E-6
112.86660	2.45990	21.61000	0.12914	21.538	-0.0010165	-0.20721	2.5684E-6
115.43175	2.45990	21.61000	0.12489	21.538	-958.69E-6	-0.19974	2.4766E-6
117.99690	2.45990	21.61000	0.12055	21.538	-900.11E-6	-0.19204	2.3819E-6
120.56205	2.45990	21.61000	0.11616	21.538	-841.62E-6	-0.18420	2.2855E-6
123.12720	2.45990	21.61000	0.11175	21.538	-783.95E-6	-0.17629	2.1882E-6
125.69235	2.45990	21.61000	0.10734	21.538	-727.74E-6	-0.16840	2.0910E-6
128.25750	2.45990	21.61000	0.10297	21.538	-673.48E-6	-0.16058	1.9947E-6
130.82265	2.45990	21.61000	0.098649	21.538	-621.55E-6	-0.15289	1.8999E-6
133.38780	2.45990	21.61000	0.094406	21.538	-572.25E-6	-0.14537	1.8072E-6
135.95295	2.45990	21.61000	0.090255	21.538	-525.75E-6	-0.13807	1.7171E-6
138.51810	2.45990	21.61000	0.086211	21.538	-482.16E-6	-0.13100	1.6298E-6
141.08325	2.45990	21.61000	0.082285	21.538	-441.51E-6	-0.12419	1.5457E-6
143.64840	2.45990	21.61000	0.078487	21.538	-403.77E-6	-0.11766	1.4650E-6
146.21355	2.45990	21.61000	0.074823	21.538	-368.88E-6	-0.11142	1.3877E-6
148.77870	2.45990	21.61000	0.071297	21.538	-336.73E-6	-0.10546	1.3140E-6
151.34385	2.45990	21.61000	0.067912	21.538	-307.19E-6	-0.099790	1.2438E-6
153.90900	2.45990	21.61000	0.064669	21.538	-280.12E-6	-0.094410	1.1771E-6 !
0.00000	4.91980	21.61000	0.061678	21.538	-159.76E-6	-0.072928	0.0
2.56515	4.91980	21.61000	0.064838	21.538	-174.38E-6	-0.076923	0.0
5.13030	4.91980	21.61000	0.068152	21.538	-190.38E-6	-0.081146	1.0136E-6
7.69545	4.91980	21.61000	0.071622	21.538	-207.88E-6	-0.085607	1.0691E-6
10.26060	4.91980	21.61000	0.075249	21.538	-227.03E-6	-0.090316	1.1276E-6

12.82575	4.91980	21.61000	0.079033	21.538	-247.95E-6	-0.095279	1.1893E-6
15.39090	4.91980	21.61000	0.082973	21.538	-270.78E-6	-0.10050	1.2541E-6
17.95605	4.91980	21.61000	0.087062	21.538	-295.68E-6	-0.10600	1.3223E-6
20.52120	4.91980	21.61000	0.091296	21.538	-322.79E-6	-0.11176	1.3938E-6
23.08635	4.91980	21.61000	0.095666	21.538	-352.27E-6	-0.11780	1.4686E-6
25.65150	4.91980	21.61000	0.10016	21.538	-384.27E-6	-0.12411	1.5468E-6
28.21665	4.91980	21.61000	0.10476	21.538	-418.95E-6	-0.13069	1.6283E-6
30.78180	4.91980	21.61000	0.10946	21.538	-456.46E-6	-0.13754	1.7130E-6
33.34695	4.91980	21.61000	0.11422	21.538	-496.93E-6	-0.14464	1.8009E-6
35.91210	4.91980	21.61000	0.11903	21.538	-540.49E-6	-0.15199	1.8916E-6
38.47725	4.91980	21.61000	0.12386	21.538	-587.25E-6	-0.15956	1.9851E-6
41.04240	4.91980	21.61000	0.12868	21.538	-637.27E-6	-0.16733	2.0810E-6
43.60755	4.91980	21.61000	0.13345	21.538	-690.58E-6	-0.17528	2.1790E-6
46.17270	4.91980	21.61000	0.13814	21.538	-747.14E-6	-0.18338	2.2787E-6
48.73785	4.91980	21.61000	0.14271	21.538	-806.86E-6	-0.19158	2.3796E-6
51.30300	4.91980	21.61000	0.14713	21.538	-869.50E-6	-0.19984	2.4812E-6
53.86815	4.91980	21.61000	0.15134	21.538	-934.75E-6	-0.20810	2.5826E-6
56.43330	4.91980	21.61000	0.15531	21.538	-0.0010021	-0.21630	2.6833E-6
58.99845	4.91980	21.61000	0.15901	21.538	-0.0010710	-0.22437	2.7822E-6
61.56360	4.91980	21.61000	0.16238	21.538	-0.0011405	-0.23223	2.8785E-6
64.12875	4.91980	21.61000	0.16540	21.538	-0.0012098	-0.23979	2.9710E-6
66.69390	4.91980	21.61000	0.16804	21.538	-0.0012777	-0.24696	3.0586E-6
69.25905	4.91980	21.61000	0.17025	21.538	-0.0013430	-0.25364	3.1401E-6
71.82420	4.91980	21.61000	0.17202	21.538	-0.0014042	-0.25972	3.2143E-6
74.38935	4.91980	21.61000	0.17332	21.538	-0.0014601	-0.26510	3.2799E-6
76.95450	4.91980	21.61000	0.17413	21.538	-0.0015094	-0.26968	3.3357E-6
79.51965	4.91980	21.61000	0.17445	21.538	-0.0015507	-0.27337	3.3805E-6
82.08480	4.91980	21.61000	0.17427	21.538	-0.0015828	-0.27608	3.4133E-6
84.64995	4.91980	21.61000	0.17359	21.538	-0.0016050	-0.27774	3.4334E-6
87.21510	4.91980	21.61000	0.17241	21.538	-0.0016165	-0.27831	3.4401E-6
89.78025	4.91980	21.61000	0.17076	21.538	-0.0016170	-0.27775	3.4331E-6
92.34540	4.91980	21.61000	0.16864	21.538	-0.0016062	-0.27607	3.4123E-6
94.91055	4.91980	21.61000	0.16608	21.538	-0.0015846	-0.27327	3.3779E-6
97.47570	4.91980	21.61000	0.16311	21.538	-0.0015526	-0.26940	3.3305E-6
100.04085	4.91980	21.61000	0.15977	21.538	-0.0015110	-0.26452	3.2707E-6
102.60600	4.91980	21.61000	0.15608	21.538	-0.0014610	-0.25872	3.1996E-6
105.17115	4.91980	21.61000	0.15210	21.538	-0.0014036	-0.25210	3.1185E-6
107.73630	4.91980	21.61000	0.14786	21.538	-0.0013403	-0.24476	3.0286E-6
110.30145	4.91980	21.61000	0.14340	21.538	-0.0012725	-0.23683	2.9314E-6
112.86660	4.91980	21.61000	0.13877	21.538	-0.0012015	-0.22843	2.8283E-6
115.43175	4.91980	21.61000	0.13402	21.538	-0.0011287	-0.21967	2.7209E-6
117.99690	4.91980	21.61000	0.12917	21.538	-0.0010554	-0.21068	2.6105E-6
120.56205	4.91980	21.61000	0.12427	21.538	-982.59E-6	-0.20155	2.4984E-6
123.12720	4.91980	21.61000	0.11936	21.538	-911.22E-6	-0.19239	2.3859E-6
125.69235	4.91980	21.61000	0.11446	21.538	-842.07E-6	-0.18328	2.2739E-6
128.25750	4.91980	21.61000	0.10961	21.538	-775.73E-6	-0.17429	2.1633E-6
130.82265	4.91980	21.61000	0.10484	21.538	-712.65E-6	-0.16549	2.0550E-6
133.38780	4.91980	21.61000	0.10016	21.538	-653.13E-6	-0.15693	1.9495E-6

135.95295	4.91980	21.61000	0.095594	21.538	-597.34E-6	-0.14864	1.8474E-6
138.51810	4.91980	21.61000	0.091157	21.538	-545.37E-6	-0.14066	1.7490E-6
141.08325	4.91980	21.61000	0.086862	21.538	-497.21E-6	-0.13301	1.6546E-6
143.64840	4.91980	21.61000	0.082716	21.538	-452.76E-6	-0.12570	1.5642E-6
146.21355	4.91980	21.61000	0.078726	21.538	-411.91E-6	-0.11874	1.4782E-6
148.77870	4.91980	21.61000	0.074896	21.538	-374.48E-6	-0.11212	1.3964E-6
151.34385	4.91980	21.61000	0.071230	21.538	-340.29E-6	-0.10585	1.3188E-6
153.90900	4.91980	21.61000	0.067725	21.538	-309.13E-6	-0.099924	1.2454E-6 !
0.00000	7.37970	21.61000	0.064442	21.538	-172.86E-6	-0.076444	0.0
2.56515	7.37970	21.61000	0.067843	21.538	-189.17E-6	-0.080766	1.0089E-6
5.13030	7.37970	21.61000	0.071418	21.538	-207.10E-6	-0.085346	1.0659E-6
7.69545	7.37970	21.61000	0.075170	21.538	-226.78E-6	-0.090199	1.1262E-6
10.26060	7.37970	21.61000	0.079103	21.538	-248.38E-6	-0.095335	1.1900E-6
12.82575	7.37970	21.61000	0.083216	21.538	-272.07E-6	-0.10076	1.2574E-6
15.39090	7.37970	21.61000	0.087508	21.538	-298.04E-6	-0.10650	1.3285E-6
17.95605	7.37970	21.61000	0.091976	21.538	-326.46E-6	-0.11254	1.4035E-6
20.52120	7.37970	21.61000	0.096613	21.538	-357.54E-6	-0.11890	1.4823E-6
23.08635	7.37970	21.61000	0.10141	21.538	-391.47E-6	-0.12559	1.5652E-6
25.65150	7.37970	21.61000	0.10636	21.538	-428.47E-6	-0.13260	1.6520E-6
28.21665	7.37970	21.61000	0.11144	21.538	-468.75E-6	-0.13994	1.7427E-6
30.78180	7.37970	21.61000	0.11663	21.538	-512.51E-6	-0.14759	1.8374E-6
33.34695	7.37970	21.61000	0.12191	21.538	-559.95E-6	-0.15556	1.9358E-6
35.91210	7.37970	21.61000	0.12726	21.538	-611.28E-6	-0.16383	2.0379E-6
38.47725	7.37970	21.61000	0.13264	21.538	-666.67E-6	-0.17238	2.1435E-6
41.04240	7.37970	21.61000	0.13801	21.538	-726.26E-6	-0.18120	2.2521E-6
43.60755	7.37970	21.61000	0.14335	21.538	-790.15E-6	-0.19025	2.3636E-6
46.17270	7.37970	21.61000	0.14860	21.538	-858.40E-6	-0.19950	2.4774E-6
48.73785	7.37970	21.61000	0.15373	21.538	-930.93E-6	-0.20891	2.5930E-6
51.30300	7.37970	21.61000	0.15869	21.538	-0.0010076	-0.21843	2.7099E-6
53.86815	7.37970	21.61000	0.16343	21.538	-0.0010880	-0.22800	2.8272E-6
56.43330	7.37970	21.61000	0.16791	21.538	-0.0011717	-0.23754	2.9441E-6
58.99845	7.37970	21.61000	0.17207	21.538	-0.0012578	-0.24698	3.0595E-6
61.56360	7.37970	21.61000	0.17588	21.538	-0.0013455	-0.25621	3.1724E-6
64.12875	7.37970	21.61000	0.17929	21.538	-0.0014334	-0.26514	3.2815E-6
66.69390	7.37970	21.61000	0.18227	21.538	-0.0015201	-0.27366	3.3853E-6
69.25905	7.37970	21.61000	0.18476	21.538	-0.0016040	-0.28163	3.4824E-6
71.82420	7.37970	21.61000	0.18676	21.538	-0.0016833	-0.28892	3.5712E-6
74.38935	7.37970	21.61000	0.18823	21.538	-0.0017559	-0.29542	3.6502E-6
76.95450	7.37970	21.61000	0.18915	21.538	-0.0018203	-0.30098	3.7177E-6
79.51965	7.37970	21.61000	0.18950	21.538	-0.0018744	-0.30549	3.7724E-6
82.08480	7.37970	21.61000	0.18929	21.538	-0.0019169	-0.30884	3.8129E-6
84.64995	7.37970	21.61000	0.18851	21.538	-0.0019463	-0.31094	3.8382E-6
87.21510	7.37970	21.61000	0.18717	21.538	-0.0019618	-0.31172	3.8474E-6
89.78025	7.37970	21.61000	0.18529	21.538	-0.0019628	-0.31114	3.8401E-6
92.34540	7.37970	21.61000	0.18289	21.538	-0.0019492	-0.30919	3.8161E-6
94.91055	7.37970	21.61000	0.17999	21.538	-0.0019213	-0.30589	3.7756E-6
97.47570	7.37970	21.61000	0.17663	21.538	-0.0018799	-0.30130	3.7195E-6
100.04085	7.37970	21.61000	0.17285	21.538	-0.0018260	-0.29550	3.6485E-6

102.60600	7.37970	21.61000	0.16869	21.538	-0.0017612	-0.28859	3.5640E-6
105.17115	7.37970	21.61000	0.16420	21.538	-0.0016872	-0.28070	3.4675E-6
107.73630	7.37970	21.61000	0.15942	21.538	-0.0016058	-0.27197	3.3609E-6
110.30145	7.37970	21.61000	0.15441	21.538	-0.0015189	-0.26257	3.2458E-6
112.86660	7.37970	21.61000	0.14922	21.538	-0.0014284	-0.25263	3.1242E-6
115.43175	7.37970	21.61000	0.14388	21.538	-0.0013361	-0.24230	2.9978E-6
117.99690	7.37970	21.61000	0.13846	21.538	-0.0012436	-0.23174	2.8684E-6
120.56205	7.37970	21.61000	0.13300	21.538	-0.0011523	-0.22107	2.7377E-6
123.12720	7.37970	21.61000	0.12753	21.538	-0.0010634	-0.21041	2.6069E-6
125.69235	7.37970	21.61000	0.12209	21.538	-977.90E-6	-0.19986	2.4773E-6
128.25750	7.37970	21.61000	0.11672	21.538	-896.39E-6	-0.18950	2.3501E-6
130.82265	7.37970	21.61000	0.11144	21.538	-819.42E-6	-0.17940	2.2260E-6
133.38780	7.37970	21.61000	0.10628	21.538	-747.29E-6	-0.16963	2.1057E-6
135.95295	7.37970	21.61000	0.10126	21.538	-680.15E-6	-0.16021	1.9898E-6
138.51810	7.37970	21.61000	0.096388	21.538	-618.01E-6	-0.15118	1.8786E-6
141.08325	7.37970	21.61000	0.091688	21.538	-560.80E-6	-0.14257	1.7724E-6
143.64840	7.37970	21.61000	0.087163	21.538	-508.35E-6	-0.13437	1.6713E-6
146.21355	7.37970	21.61000	0.082820	21.538	-460.44E-6	-0.12660	1.5753E-6
148.77870	7.37970	21.61000	0.078663	21.538	-416.81E-6	-0.11925	1.4845E-6
151.34385	7.37970	21.61000	0.074692	21.538	-377.19E-6	-0.11231	1.3987E-6
153.90900	7.37970	21.61000	0.070906	21.538	-341.29E-6	-0.10578	1.3178E-6 !
0.00000	9.83960	21.61000	0.067309	21.538	-187.06E-6	-0.080128	1.0010E-6
2.56515	9.83960	21.61000	0.070967	21.538	-205.27E-6	-0.084803	1.0591E-6
5.13030	9.83960	21.61000	0.074822	21.538	-225.35E-6	-0.089772	1.1208E-6
7.69545	9.83960	21.61000	0.078879	21.538	-247.49E-6	-0.095052	1.1864E-6
10.26060	9.83960	21.61000	0.083142	21.538	-271.87E-6	-0.10066	1.2560E-6
12.82575	9.83960	21.61000	0.087611	21.538	-298.73E-6	-0.10660	1.3297E-6
15.39090	9.83960	21.61000	0.092287	21.538	-328.27E-6	-0.11289	1.4078E-6
17.95605	9.83960	21.61000	0.097167	21.538	-360.75E-6	-0.11955	1.4903E-6
20.52120	9.83960	21.61000	0.10224	21.538	-396.41E-6	-0.12658	1.5774E-6
23.08635	9.83960	21.61000	0.10751	21.538	-435.52E-6	-0.13399	1.6691E-6
25.65150	9.83960	21.61000	0.11296	21.538	-478.34E-6	-0.14178	1.7656E-6
28.21665	9.83960	21.61000	0.11856	21.538	-525.16E-6	-0.14997	1.8668E-6
30.78180	9.83960	21.61000	0.12431	21.538	-576.27E-6	-0.15854	1.9727E-6
33.34695	9.83960	21.61000	0.13017	21.538	-631.96E-6	-0.16749	2.0832E-6
35.91210	9.83960	21.61000	0.13611	21.538	-692.51E-6	-0.17681	2.1982E-6
38.47725	9.83960	21.61000	0.14210	21.538	-758.21E-6	-0.18649	2.3175E-6
41.04240	9.83960	21.61000	0.14811	21.538	-829.32E-6	-0.19651	2.4408E-6
43.60755	9.83960	21.61000	0.15407	21.538	-906.06E-6	-0.20683	2.5678E-6
46.17270	9.83960	21.61000	0.15996	21.538	-988.59E-6	-0.21743	2.6979E-6
48.73785	9.83960	21.61000	0.16572	21.538	-0.0010770	-0.22825	2.8308E-6
51.30300	9.83960	21.61000	0.17129	21.538	-0.0011711	-0.23925	2.9656E-6
53.86815	9.83960	21.61000	0.17663	21.538	-0.0012707	-0.25036	3.1016E-6
56.43330	9.83960	21.61000	0.18167	21.538	-0.0013751	-0.26150	3.2378E-6
58.99845	9.83960	21.61000	0.18636	21.538	-0.0014836	-0.27257	3.3730E-6
61.56360	9.83960	21.61000	0.19066	21.538	-0.0015949	-0.28348	3.5060E-6
64.12875	9.83960	21.61000	0.19451	21.538	-0.0017074	-0.29408	3.6351E-6
66.69390	9.83960	21.61000	0.19787	21.538	-0.0018192	-0.30424	3.7587E-6

69.25905	9.83960	21.61000	0.20069	21.538	-0.0019281	-0.31381	3.8750E-6
71.82420	9.83960	21.61000	0.20294	21.538	-0.0020316	-0.32263	3.9821E-6
74.38935	9.83960	21.61000	0.20459	21.538	-0.0021271	-0.33053	4.0778E-6
76.95450	9.83960	21.61000	0.20562	21.538	-0.0022121	-0.33734	4.1603E-6
79.51965	9.83960	21.61000	0.20601	21.538	-0.0022839	-0.34290	4.2276E-6
82.08480	9.83960	21.61000	0.20576	21.538	-0.0023406	-0.34708	4.2780E-6
84.64995	9.83960	21.61000	0.20487	21.538	-0.0023801	-0.34975	4.3100E-6
87.21510	9.83960	21.61000	0.20335	21.538	-0.0024013	-0.35081	4.3227E-6
89.78025	9.83960	21.61000	0.20121	21.538	-0.0024032	-0.35023	4.3152E-6
92.34540	9.83960	21.61000	0.19848	21.538	-0.0023857	-0.34797	4.2874E-6
94.91055	9.83960	21.61000	0.19520	21.538	-0.0023494	-0.34406	4.2396E-6
97.47570	9.83960	21.61000	0.19139	21.538	-0.0022951	-0.33857	4.1727E-6
100.04085	9.83960	21.61000	0.18712	21.538	-0.0022246	-0.33161	4.0878E-6
102.60600	9.83960	21.61000	0.18242	21.538	-0.0021398	-0.32332	3.9866E-6
105.17115	9.83960	21.61000	0.17736	21.538	-0.0020432	-0.31386	3.8712E-6
107.73630	9.83960	21.61000	0.17198	21.538	-0.0019374	-0.30341	3.7438E-6
110.30145	9.83960	21.61000	0.16635	21.538	-0.0018249	-0.29218	3.6067E-6
112.86660	9.83960	21.61000	0.16052	21.538	-0.0017085	-0.28035	3.4623E-6
115.43175	9.83960	21.61000	0.15454	21.538	-0.0015904	-0.26811	3.3128E-6
117.99690	9.83960	21.61000	0.14848	21.538	-0.0014729	-0.25565	3.1605E-6
120.56205	9.83960	21.61000	0.14238	21.538	-0.0013577	-0.24311	3.0072E-6
123.12720	9.83960	21.61000	0.13629	21.538	-0.0012463	-0.23065	2.8546E-6
125.69235	9.83960	21.61000	0.13025	21.538	-0.0011399	-0.21838	2.7042E-6
128.25750	9.83960	21.61000	0.12430	21.538	-0.0010393	-0.20640	2.5573E-6
130.82265	9.83960	21.61000	0.11846	21.538	-944.92E-6	-0.19478	2.4147E-6
133.38780	9.83960	21.61000	0.11277	21.538	-857.16E-6	-0.18359	2.2772E-6
135.95295	9.83960	21.61000	0.10725	21.538	-776.08E-6	-0.17286	2.1454E-6
138.51810	9.83960	21.61000	0.10191	21.538	-701.58E-6	-0.16264	2.0195E-6
141.08325	9.83960	21.61000	0.096768	21.538	-633.47E-6	-0.15292	1.8999E-6
143.64840	9.83960	21.61000	0.091832	21.538	-571.45E-6	-0.14373	1.7865E-6
146.21355	9.83960	21.61000	0.087107	21.538	-515.18E-6	-0.13505	1.6795E-6
148.77870	9.83960	21.61000	0.082596	21.538	-464.26E-6	-0.12687	1.5785E-6
151.34385	9.83960	21.61000	0.078298	21.538	-418.31E-6	-0.11919	1.4836E-6
153.90900	9.83960	21.61000	0.074211	21.538	-376.92E-6	-0.11198	1.3946E-6 !
0.00000	12.29950	21.61000	0.070278	21.538	-202.44E-6	-0.083982	1.0489E-6
2.56515	12.29950	21.61000	0.074211	21.538	-222.77E-6	-0.089040	1.1117E-6
5.13030	12.29950	21.61000	0.078366	21.538	-245.28E-6	-0.094432	1.1787E-6
7.69545	12.29950	21.61000	0.082749	21.538	-270.19E-6	-0.10018	1.2500E-6
10.26060	12.29950	21.61000	0.087366	21.538	-297.73E-6	-0.10629	1.3259E-6
12.82575	12.29950	21.61000	0.092221	21.538	-328.19E-6	-0.11280	1.4066E-6
15.39090	12.29950	21.61000	0.097313	21.538	-361.83E-6	-0.11971	1.4923E-6
17.95605	12.29950	21.61000	0.10264	21.538	-398.97E-6	-0.12705	1.5832E-6
20.52120	12.29950	21.61000	0.10820	21.538	-439.93E-6	-0.13482	1.6794E-6
23.08635	12.29950	21.61000	0.11398	21.538	-485.03E-6	-0.14304	1.7811E-6
25.65150	12.29950	21.61000	0.11998	21.538	-534.65E-6	-0.15172	1.8884E-6
28.21665	12.29950	21.61000	0.12616	21.538	-589.14E-6	-0.16086	2.0014E-6
30.78180	12.29950	21.61000	0.13252	21.538	-648.89E-6	-0.17046	2.1200E-6
33.34695	12.29950	21.61000	0.13902	21.538	-714.31E-6	-0.18054	2.2442E-6

35.91210	12.29950	21.61000	0.14563	21.538	-785.80E-6	-0.19106	2.3739E-6
38.47725	12.29950	21.61000	0.15230	21.538	-863.81E-6	-0.20203	2.5090E-6
41.04240	12.29950	21.61000	0.15900	21.538	-948.75E-6	-0.21343	2.6491E-6
43.60755	12.29950	21.61000	0.16568	21.538	-0.0010410	-0.22522	2.7940E-6
46.17270	12.29950	21.61000	0.17228	21.538	-0.0011410	-0.23738	2.9432E-6
48.73785	12.29950	21.61000	0.17874	21.538	-0.0012490	-0.24986	3.0961E-6
51.30300	12.29950	21.61000	0.18500	21.538	-0.0013649	-0.26260	3.2520E-6
53.86815	12.29950	21.61000	0.19100	21.538	-0.0014887	-0.27554	3.4101E-6
56.43330	12.29950	21.61000	0.19668	21.538	-0.0016199	-0.28859	3.5693E-6
58.99845	12.29950	21.61000	0.20197	21.538	-0.0017574	-0.30164	3.7283E-6
61.56360	12.29950	21.61000	0.20681	21.538	-0.0018998	-0.31456	3.8856E-6
64.12875	12.29950	21.61000	0.21116	21.538	-0.0020451	-0.32722	4.0392E-6
66.69390	12.29950	21.61000	0.21494	21.538	-0.0021906	-0.33942	4.1873E-6
69.25905	12.29950	21.61000	0.21812	21.538	-0.0023335	-0.35099	4.3275E-6
71.82420	12.29950	21.61000	0.22065	21.538	-0.0024702	-0.36172	4.4573E-6
74.38935	12.29950	21.61000	0.22251	21.538	-0.0025972	-0.37140	4.5743E-6
76.95450	12.29950	21.61000	0.22366	21.538	-0.0027107	-0.37981	4.6757E-6
79.51965	12.29950	21.61000	0.22409	21.538	-0.0028073	-0.38674	4.7592E-6
82.08480	12.29950	21.61000	0.22379	21.538	-0.0028838	-0.39199	4.8225E-6
84.64995	12.29950	21.61000	0.22276	21.538	-0.0029376	-0.39542	4.8636E-6
87.21510	12.29950	21.61000	0.22103	21.538	-0.0029668	-0.39689	4.8810E-6
89.78025	12.29950	21.61000	0.21859	21.538	-0.0029702	-0.39632	4.8737E-6
92.34540	12.29950	21.61000	0.21550	21.538	-0.0029476	-0.39369	4.8415E-6
94.91055	12.29950	21.61000	0.21178	21.538	-0.0028996	-0.38903	4.7846E-6
97.47570	12.29950	21.61000	0.20747	21.538	-0.0028277	-0.38242	4.7042E-6
100.04085	12.29950	21.61000	0.20265	21.538	-0.0027342	-0.37401	4.6019E-6
102.60600	12.29950	21.61000	0.19735	21.538	-0.0026219	-0.36398	4.4799E-6
105.17115	12.29950	21.61000	0.19164	21.538	-0.0024945	-0.35254	4.3408E-6
107.73630	12.29950	21.61000	0.18559	21.538	-0.0023554	-0.33993	4.1875E-6
110.30145	12.29950	21.61000	0.17926	21.538	-0.0022084	-0.32642	4.0231E-6
112.86660	12.29950	21.61000	0.17272	21.538	-0.0020570	-0.31225	3.8505E-6
115.43175	12.29950	21.61000	0.16603	21.538	-0.0019047	-0.29765	3.6726E-6
117.99690	12.29950	21.61000	0.15925	21.538	-0.0017540	-0.28286	3.4922E-6
120.56205	12.29950	21.61000	0.15245	21.538	-0.0016076	-0.26806	3.3116E-6
123.12720	12.29950	21.61000	0.14567	21.538	-0.0014670	-0.25343	3.1329E-6
125.69235	12.29950	21.61000	0.13896	21.538	-0.0013339	-0.23911	2.9577E-6
128.25750	12.29950	21.61000	0.13237	21.538	-0.0012089	-0.22520	2.7874E-6
130.82265	12.29950	21.61000	0.12592	21.538	-0.0010928	-0.21179	2.6231E-6
133.38780	12.29950	21.61000	0.11965	21.538	-985.62E-6	-0.19895	2.4656E-6
135.95295	12.29950	21.61000	0.11358	21.538	-887.38E-6	-0.18671	2.3154E-6
138.51810	12.29950	21.61000	0.10773	21.538	-797.81E-6	-0.17511	2.1728E-6
141.08325	12.29950	21.61000	0.10211	21.538	-716.54E-6	-0.16414	2.0378E-6
143.64840	12.29950	21.61000	0.096725	21.538	-643.08E-6	-0.15381	1.9107E-6
146.21355	12.29950	21.61000	0.091587	21.538	-576.89E-6	-0.14410	1.7911E-6
148.77870	12.29950	21.61000	0.086695	21.538	-517.42E-6	-0.13501	1.6789E-6
151.34385	12.29950	21.61000	0.082046	21.538	-464.09E-6	-0.12650	1.5739E-6
153.90900	12.29950	21.61000	0.077637	21.538	-416.34E-6	-0.11856	1.4757E-6 !
0.00000	14.75940	21.61000	0.073345	21.538	-219.09E-6	-0.088012	1.0989E-6

2.56515	14.75940	21.61000	0.077570	21.538	-241.80E-6	-0.093483	1.1669E-6
5.13030	14.75940	21.61000	0.082045	21.538	-267.03E-6	-0.099333	1.2395E-6
7.69545	14.75940	21.61000	0.086778	21.538	-295.06E-6	-0.10559	1.3171E-6
10.26060	14.75940	21.61000	0.091777	21.538	-326.19E-6	-0.11226	1.4000E-6
12.82575	14.75940	21.61000	0.097046	21.538	-360.75E-6	-0.11939	1.4883E-6
15.39090	14.75940	21.61000	0.10259	21.538	-399.10E-6	-0.12698	1.5824E-6
17.95605	14.75940	21.61000	0.10840	21.538	-441.61E-6	-0.13507	1.6825E-6
20.52120	14.75940	21.61000	0.11449	21.538	-488.68E-6	-0.14367	1.7889E-6
23.08635	14.75940	21.61000	0.12084	21.538	-540.76E-6	-0.15280	1.9018E-6
25.65150	14.75940	21.61000	0.12743	21.538	-598.29E-6	-0.16247	2.0213E-6
28.21665	14.75940	21.61000	0.13426	21.538	-661.75E-6	-0.17269	2.1475E-6
30.78180	14.75940	21.61000	0.14129	21.538	-731.65E-6	-0.18347	2.2805E-6
33.34695	14.75940	21.61000	0.14849	21.538	-808.54E-6	-0.19481	2.4203E-6
35.91210	14.75940	21.61000	0.15584	21.538	-892.99E-6	-0.20672	2.5668E-6
38.47725	14.75940	21.61000	0.16327	21.538	-985.63E-6	-0.21916	2.7199E-6
41.04240	14.75940	21.61000	0.17075	21.538	-0.0010871	-0.23215	2.8794E-6
43.60755	14.75940	21.61000	0.17821	21.538	-0.0011981	-0.24564	3.0450E-6
46.17270	14.75940	21.61000	0.18560	21.538	-0.0013194	-0.25962	3.2162E-6
48.73785	14.75940	21.61000	0.19285	21.538	-0.0014514	-0.27403	3.3926E-6
51.30300	14.75940	21.61000	0.19988	21.538	-0.0015947	-0.28883	3.5734E-6
53.86815	14.75940	21.61000	0.20663	21.538	-0.0017492	-0.30395	3.7577E-6
56.43330	14.75940	21.61000	0.21301	21.538	-0.0019148	-0.31928	3.9444E-6
58.99845	14.75940	21.61000	0.21897	21.538	-0.0020903	-0.33472	4.1320E-6
61.56360	14.75940	21.61000	0.22443	21.538	-0.0022740	-0.35012	4.3188E-6
64.12875	14.75940	21.61000	0.22932	21.538	-0.0024633	-0.36530	4.5026E-6
66.69390	14.75940	21.61000	0.23357	21.538	-0.0026549	-0.38005	4.6809E-6
69.25905	14.75940	21.61000	0.23715	21.538	-0.0028445	-0.39414	4.8510E-6
71.82420	14.75940	21.61000	0.23999	21.538	-0.0030274	-0.40730	5.0096E-6
74.38935	14.75940	21.61000	0.24206	21.538	-0.0031984	-0.41926	5.1536E-6
76.95450	14.75940	21.61000	0.24334	21.538	-0.0033522	-0.42973	5.2796E-6
79.51965	14.75940	21.61000	0.24380	21.538	-0.0034838	-0.43845	5.3842E-6
82.08480	14.75940	21.61000	0.24343	21.538	-0.0035886	-0.44514	5.4644E-6
84.64995	14.75940	21.61000	0.24225	21.538	-0.0036629	-0.44958	5.5176E-6
87.21510	14.75940	21.61000	0.24026	21.538	-0.0037037	-0.45162	5.5416E-6
89.78025	14.75940	21.61000	0.23750	21.538	-0.0037095	-0.45112	5.5351E-6
92.34540	14.75940	21.61000	0.23399	21.538	-0.0036799	-0.44805	5.4976E-6
94.91055	14.75940	21.61000	0.22977	21.538	-0.0036157	-0.44245	5.4296E-6
97.47570	14.75940	21.61000	0.22492	21.538	-0.0035191	-0.43442	5.3323E-6
100.04085	14.75940	21.61000	0.21947	21.538	-0.0033934	-0.42416	5.2080E-6
102.60600	14.75940	21.61000	0.21350	21.538	-0.0032429	-0.41191	5.0595E-6
105.17115	14.75940	21.61000	0.20708	21.538	-0.0030725	-0.39796	4.8904E-6
107.73630	14.75940	21.61000	0.20028	21.538	-0.0028874	-0.38262	4.7045E-6
110.30145	14.75940	21.61000	0.19318	21.538	-0.0026931	-0.36624	4.5057E-6
112.86660	14.75940	21.61000	0.18586	21.538	-0.0024943	-0.34914	4.2981E-6
115.43175	14.75940	21.61000	0.17838	21.538	-0.0022957	-0.33162	4.0851E-6
117.99690	14.75940	21.61000	0.17081	21.538	-0.0021010	-0.31396	3.8703E-6
120.56205	14.75940	21.61000	0.16323	21.538	-0.0019132	-0.29640	3.6565E-6
123.12720	14.75940	21.61000	0.15569	21.538	-0.0017347	-0.27914	3.4462E-6

125.69235	14.75940	21.61000	0.14825	21.538	-0.0015670	-0.26235	3.2413E-6
128.25750	14.75940	21.61000	0.14095	21.538	-0.0014111	-0.24615	3.0434E-6
130.82265	14.75940	21.61000	0.13383	21.538	-0.0012675	-0.23064	2.8536E-6
133.38780	14.75940	21.61000	0.12692	21.538	-0.0011361	-0.21586	2.6727E-6
135.95295	14.75940	21.61000	0.12025	21.538	-0.0010167	-0.20187	2.5012E-6
138.51810	14.75940	21.61000	0.11384	21.538	-908.71E-6	-0.18868	2.3393E-6
141.08325	14.75940	21.61000	0.10770	21.538	-811.54E-6	-0.17628	2.1870E-6
143.64840	14.75940	21.61000	0.10184	21.538	-724.39E-6	-0.16466	2.0442E-6
146.21355	14.75940	21.61000	0.096256	21.538	-646.45E-6	-0.15381	1.9106E-6
148.77870	14.75940	21.61000	0.090955	21.538	-576.91E-6	-0.14369	1.7858E-6
151.34385	14.75940	21.61000	0.085931	21.538	-514.98E-6	-0.13426	1.6696E-6
153.90900	14.75940	21.61000	0.081180	21.538	-459.91E-6	-0.12550	1.5615E-6 !
0.00000	17.21930	21.61000	0.076506	21.538	-237.11E-6	-0.092219	1.1512E-6
2.56515	17.21930	21.61000	0.081041	21.538	-262.47E-6	-0.098137	1.2247E-6
5.13030	17.21930	21.61000	0.085856	21.538	-290.76E-6	-0.10448	1.3034E-6
7.69545	17.21930	21.61000	0.090963	21.538	-322.32E-6	-0.11129	1.3878E-6
10.26060	17.21930	21.61000	0.096370	21.538	-357.52E-6	-0.11858	1.4782E-6
12.82575	17.21930	21.61000	0.10209	21.538	-396.76E-6	-0.12638	1.5750E-6
15.39090	17.21930	21.61000	0.10811	21.538	-440.49E-6	-0.13474	1.6784E-6
17.95605	17.21930	21.61000	0.11446	21.538	-489.18E-6	-0.14366	1.7888E-6
20.52120	17.21930	21.61000	0.12111	21.538	-543.34E-6	-0.15318	1.9065E-6
23.08635	17.21930	21.61000	0.12807	21.538	-603.52E-6	-0.16332	2.0318E-6
25.65150	17.21930	21.61000	0.13533	21.538	-670.28E-6	-0.17411	2.1650E-6
28.21665	17.21930	21.61000	0.14285	21.538	-744.25E-6	-0.18555	2.3062E-6
30.78180	17.21930	21.61000	0.15062	21.538	-826.07E-6	-0.19767	2.4555E-6
33.34695	17.21930	21.61000	0.15861	21.538	-916.44E-6	-0.21046	2.6130E-6
35.91210	17.21930	21.61000	0.16676	21.538	-0.0010162	-0.22393	2.7787E-6
38.47725	17.21930	21.61000	0.17504	21.538	-0.0011261	-0.23808	2.9526E-6
41.04240	17.21930	21.61000	0.18338	21.538	-0.0012472	-0.25289	3.1343E-6
43.60755	17.21930	21.61000	0.19171	21.538	-0.0013806	-0.26835	3.3238E-6
46.17270	17.21930	21.61000	0.19998	21.538	-0.0015275	-0.28444	3.5206E-6
48.73785	17.21930	21.61000	0.20809	21.538	-0.0016890	-0.30112	3.7243E-6
51.30300	17.21930	21.61000	0.21598	21.538	-0.0018662	-0.31834	3.9343E-6
53.86815	17.21930	21.61000	0.22355	21.538	-0.0020598	-0.33604	4.1497E-6
56.43330	17.21930	21.61000	0.23073	21.538	-0.0022698	-0.35413	4.3693E-6
58.99845	17.21930	21.61000	0.23742	21.538	-0.0024953	-0.37247	4.5915E-6
61.56360	17.21930	21.61000	0.24355	21.538	-0.0027343	-0.39090	4.8144E-6
64.12875	17.21930	21.61000	0.24904	21.538	-0.0029837	-0.40922	5.0354E-6
66.69390	17.21930	21.61000	0.25382	21.538	-0.0032388	-0.42716	5.2515E-6
69.25905	17.21930	21.61000	0.25782	21.538	-0.0034937	-0.44444	5.4593E-6
71.82420	17.21930	21.61000	0.26100	21.538	-0.0037418	-0.46072	5.6547E-6
74.38935	17.21930	21.61000	0.26330	21.538	-0.0039755	-0.47564	5.8336E-6
76.95450	17.21930	21.61000	0.26470	21.538	-0.0041870	-0.48882	5.9915E-6
79.51965	17.21930	21.61000	0.26517	21.538	-0.0043691	-0.49990	6.1239E-6
82.08480	17.21930	21.61000	0.26472	21.538	-0.0045150	-0.50851	6.2267E-6
84.64995	17.21930	21.61000	0.26335	21.538	-0.0046190	-0.51435	6.2963E-6
87.21510	17.21930	21.61000	0.26108	21.538	-0.0046772	-0.51718	6.3297E-6
89.78025	17.21930	21.61000	0.25793	21.538	-0.0046869	-0.51683	6.3249E-6

92.34540	17.21930	21.61000	0.25395	21.538	-0.0046476	-0.51324	6.2813E-6
94.91055	17.21930	21.61000	0.24920	21.538	-0.0045605	-0.50646	6.1992E-6
97.47570	17.21930	21.61000	0.24372	21.538	-0.0044288	-0.49662	6.0804E-6
100.04085	17.21930	21.61000	0.23760	21.538	-0.0042574	-0.48398	5.9279E-6
102.60600	17.21930	21.61000	0.23090	21.538	-0.0040525	-0.46887	5.7455E-6
105.17115	17.21930	21.61000	0.22370	21.538	-0.0038215	-0.45169	5.5381E-6
107.73630	17.21930	21.61000	0.21608	21.538	-0.0035721	-0.43286	5.3106E-6
110.30145	17.21930	21.61000	0.20814	21.538	-0.0033118	-0.41283	5.0685E-6
112.86660	17.21930	21.61000	0.19995	21.538	-0.0030477	-0.39203	4.8167E-6
115.43175	17.21930	21.61000	0.19160	21.538	-0.0027861	-0.37084	4.5601E-6
117.99690	17.21930	21.61000	0.18317	21.538	-0.0025319	-0.34962	4.3027E-6
120.56205	17.21930	21.61000	0.17473	21.538	-0.0022892	-0.32867	4.0483E-6
123.12720	17.21930	21.61000	0.16636	21.538	-0.0020608	-0.30822	3.7997E-6
125.69235	17.21930	21.61000	0.15811	21.538	-0.0018483	-0.28846	3.5591E-6
128.25750	17.21930	21.61000	0.15004	21.538	-0.0016527	-0.26953	3.3283E-6
130.82265	17.21930	21.61000	0.14218	21.538	-0.0014743	-0.25152	3.1085E-6
133.38780	17.21930	21.61000	0.13459	21.538	-0.0013126	-0.23449	2.9003E-6
135.95295	17.21930	21.61000	0.12727	21.538	-0.0011670	-0.21846	2.7042E-6
138.51810	17.21930	21.61000	0.12025	21.538	-0.0010366	-0.20344	2.5202E-6
141.08325	17.21930	21.61000	0.11355	21.538	-920.16E-6	-0.18941	2.3480E-6
143.64840	17.21930	21.61000	0.10717	21.538	-816.62E-6	-0.17634	2.1876E-6
146.21355	17.21930	21.61000	0.10111	21.538	-724.76E-6	-0.16420	2.0382E-6
148.77870	17.21930	21.61000	0.095371	21.538	-643.42E-6	-0.15293	1.8996E-6
151.34385	17.21930	21.61000	0.089948	21.538	-571.49E-6	-0.14249	1.7710E-6
153.90900	17.21930	21.61000	0.084832	21.538	-507.96E-6	-0.13283	1.6518E-6 !
0.00000	19.67920	21.61000	0.079755	21.538	-256.58E-6	-0.096604	1.2056E-6
2.56515	19.67920	21.61000	0.084618	21.538	-284.91E-6	-0.10300	1.2850E-6
5.13030	19.67920	21.61000	0.089794	21.538	-316.64E-6	-0.10989	1.3705E-6
7.69545	19.67920	21.61000	0.095298	21.538	-352.18E-6	-0.11729	1.4623E-6
10.26060	19.67920	21.61000	0.10114	21.538	-391.99E-6	-0.12526	1.5609E-6
12.82575	19.67920	21.61000	0.10734	21.538	-436.58E-6	-0.13381	1.6669E-6
15.39090	19.67920	21.61000	0.11389	21.538	-486.49E-6	-0.14299	1.7805E-6
17.95605	19.67920	21.61000	0.12080	21.538	-542.31E-6	-0.15284	1.9023E-6
20.52120	19.67920	21.61000	0.12807	21.538	-604.69E-6	-0.16339	2.0327E-6
23.08635	19.67920	21.61000	0.13570	21.538	-674.29E-6	-0.17468	2.1720E-6
25.65150	19.67920	21.61000	0.14367	21.538	-751.84E-6	-0.18672	2.3206E-6
28.21665	19.67920	21.61000	0.15196	21.538	-838.09E-6	-0.19955	2.4787E-6
30.78180	19.67920	21.61000	0.16054	21.538	-933.86E-6	-0.21318	2.6465E-6
33.34695	19.67920	21.61000	0.16938	21.538	-0.0010400	-0.22762	2.8243E-6
35.91210	19.67920	21.61000	0.17842	21.538	-0.0011576	-0.24289	3.0119E-6
38.47725	19.67920	21.61000	0.18762	21.538	-0.0012877	-0.25898	3.2094E-6
41.04240	19.67920	21.61000	0.19690	21.538	-0.0014318	-0.27590	3.4168E-6
43.60755	19.67920	21.61000	0.20620	21.538	-0.0015916	-0.29363	3.6338E-6
46.17270	19.67920	21.61000	0.21543	21.538	-0.0017689	-0.31216	3.8603E-6
48.73785	19.67920	21.61000	0.22450	21.538	-0.0019661	-0.33148	4.0959E-6
51.30300	19.67920	21.61000	0.23332	21.538	-0.0021852	-0.35156	4.3402E-6
53.86815	19.67920	21.61000	0.24180	21.538	-0.0024280	-0.37234	4.5924E-6
56.43330	19.67920	21.61000	0.24984	21.538	-0.0026954	-0.39372	4.8514E-6

58.99845	19.67920	21.61000	0.25734	21.538	-0.0029871	-0.41560	5.1155E-6
61.56360	19.67920	21.61000	0.26421	21.538	-0.0033011	-0.43777	5.3827E-6
64.12875	19.67920	21.61000	0.27035	21.538	-0.0036332	-0.46001	5.6498E-6
66.69390	19.67920	21.61000	0.27569	21.538	-0.0039773	-0.48199	5.9135E-6
69.25905	19.67920	21.61000	0.28014	21.538	-0.0043253	-0.50337	6.1692E-6
71.82420	19.67920	21.61000	0.28366	21.538	-0.0046670	-0.52369	6.4120E-6
74.38935	19.67920	21.61000	0.28618	21.538	-0.0049916	-0.54249	6.6363E-6
76.95450	19.67920	21.61000	0.28769	21.538	-0.0052875	-0.55927	6.8362E-6
79.51965	19.67920	21.61000	0.28816	21.538	-0.0055437	-0.57352	7.0058E-6
82.08480	19.67920	21.61000	0.28759	21.538	-0.0057502	-0.58475	7.1392E-6
84.64995	19.67920	21.61000	0.28599	21.538	-0.0058987	-0.59252	7.2314E-6
87.21510	19.67920	21.61000	0.28338	21.538	-0.0059830	-0.59650	7.2782E-6
89.78025	19.67920	21.61000	0.27981	21.538	-0.0059992	-0.59643	7.2768E-6
92.34540	19.67920	21.61000	0.27532	21.538	-0.0059465	-0.59223	7.2259E-6
94.91055	19.67920	21.61000	0.26997	21.538	-0.0058265	-0.58393	7.1260E-6
97.47570	19.67920	21.61000	0.26383	21.538	-0.0056440	-0.57174	6.9795E-6
100.04085	19.67920	21.61000	0.25697	21.538	-0.0054064	-0.55599	6.7905E-6
102.60600	19.67920	21.61000	0.24948	21.538	-0.0051230	-0.53716	6.5641E-6
105.17115	19.67920	21.61000	0.24144	21.538	-0.0048049	-0.51576	6.3071E-6
107.73630	19.67920	21.61000	0.23295	21.538	-0.0044635	-0.49241	6.0261E-6
110.30145	19.67920	21.61000	0.22410	21.538	-0.0041101	-0.46769	5.7285E-6
112.86660	19.67920	21.61000	0.21498	21.538	-0.0037547	-0.44216	5.4208E-6
115.43175	19.67920	21.61000	0.20569	21.538	-0.0034061	-0.41635	5.1092E-6
117.99690	19.67920	21.61000	0.19632	21.538	-0.0030711	-0.39068	4.7990E-6
120.56205	19.67920	21.61000	0.18696	21.538	-0.0027546	-0.36553	4.4945E-6
123.12720	19.67920	21.61000	0.17768	21.538	-0.0024599	-0.34118	4.1993E-6
125.69235	19.67920	21.61000	0.16855	21.538	-0.0021890	-0.31783	3.9157E-6
128.25750	19.67920	21.61000	0.15964	21.538	-0.0019423	-0.29563	3.6458E-6
130.82265	19.67920	21.61000	0.15099	21.538	-0.0017196	-0.27467	3.3905E-6
133.38780	19.67920	21.61000	0.14264	21.538	-0.0015199	-0.25499	3.1504E-6
135.95295	19.67920	21.61000	0.13462	21.538	-0.0013419	-0.23660	2.9258E-6
138.51810	19.67920	21.61000	0.12695	21.538	-0.0011840	-0.21948	2.7164E-6
141.08325	19.67920	21.61000	0.11964	21.538	-0.0010443	-0.20359	2.5218E-6
143.64840	19.67920	21.61000	0.11271	21.538	-921.16E-6	-0.18888	2.3414E-6
146.21355	19.67920	21.61000	0.10614	21.538	-812.82E-6	-0.17529	2.1745E-6
148.77870	19.67920	21.61000	0.099935	21.538	-717.64E-6	-0.16275	2.0203E-6
151.34385	19.67920	21.61000	0.094087	21.538	-634.11E-6	-0.15119	1.8780E-6
153.90900	19.67920	21.61000	0.088586	21.538	-560.85E-6	-0.14054	1.7468E-6 !
0.00000	22.13910	21.61000	0.083085	21.538	-277.61E-6	-0.10117	1.2622E-6
2.56515	22.13910	21.61000	0.088292	21.538	-309.25E-6	-0.10809	1.3481E-6
5.13030	22.13910	21.61000	0.093850	21.538	-344.84E-6	-0.11555	1.4407E-6
7.69545	22.13910	21.61000	0.099775	21.538	-384.88E-6	-0.12361	1.5405E-6
10.26060	22.13910	21.61000	0.10608	21.538	-429.93E-6	-0.13231	1.6482E-6
12.82575	22.13910	21.61000	0.11279	21.538	-480.63E-6	-0.14168	1.7643E-6
15.39090	22.13910	21.61000	0.11990	21.538	-537.63E-6	-0.15179	1.8892E-6
17.95605	22.13910	21.61000	0.12742	21.538	-601.69E-6	-0.16267	2.0237E-6
20.52120	22.13910	21.61000	0.13536	21.538	-673.60E-6	-0.17437	2.1681E-6
23.08635	22.13910	21.61000	0.14371	21.538	-754.18E-6	-0.18693	2.3231E-6

25.65150	22.13910	21.61000	0.15245	21.538	-844.33E-6	-0.20039	2.4891E-6
28.21665	22.13910	21.61000	0.16157	21.538	-944.97E-6	-0.21478	2.6663E-6
30.78180	22.13910	21.61000	0.17104	21.538	-0.0010570	-0.23013	2.8552E-6
33.34695	22.13910	21.61000	0.18080	21.538	-0.0011816	-0.24646	3.0560E-6
35.91210	22.13910	21.61000	0.19081	21.538	-0.0013199	-0.26379	3.2687E-6
38.47725	22.13910	21.61000	0.20101	21.538	-0.0014732	-0.28211	3.4934E-6
41.04240	22.13910	21.61000	0.21132	21.538	-0.0016436	-0.30144	3.7301E-6
43.60755	22.13910	21.61000	0.22166	21.538	-0.0018335	-0.32178	3.9788E-6
46.17270	22.13910	21.61000	0.23193	21.538	-0.0020460	-0.34314	4.2396E-6
48.73785	22.13910	21.61000	0.24204	21.538	-0.0022850	-0.36553	4.5122E-6
51.30300	22.13910	21.61000	0.25188	21.538	-0.0025545	-0.38895	4.7966E-6
53.86815	22.13910	21.61000	0.26134	21.538	-0.0028586	-0.41337	5.0924E-6
56.43330	22.13910	21.61000	0.27031	21.538	-0.0032001	-0.43873	5.3985E-6
58.99845	22.13910	21.61000	0.27867	21.538	-0.0035798	-0.46491	5.7135E-6
61.56360	22.13910	21.61000	0.28633	21.538	-0.0039961	-0.49172	6.0351E-6
64.12875	22.13910	21.61000	0.29316	21.538	-0.0044441	-0.51889	6.3599E-6
66.69390	22.13910	21.61000	0.29908	21.538	-0.0049153	-0.54604	6.6837E-6
69.25905	22.13910	21.61000	0.30400	21.538	-0.0053980	-0.57271	7.0010E-6
71.82420	22.13910	21.61000	0.30785	21.538	-0.0058773	-0.59834	7.3054E-6
74.38935	22.13910	21.61000	0.31058	21.538	-0.0063367	-0.62231	7.5896E-6
76.95450	22.13910	21.61000	0.31216	21.538	-0.0067586	-0.64394	7.8457E-6
79.51965	22.13910	21.61000	0.31258	21.538	-0.0071262	-0.66251	8.0655E-6
82.08480	22.13910	21.61000	0.31184	21.538	-0.0074244	-0.67735	8.2410E-6
84.64995	22.13910	21.61000	0.30995	21.538	-0.0076405	-0.68785	8.3649E-6
87.21510	22.13910	21.61000	0.30696	21.538	-0.0077652	-0.69349	8.4312E-6
89.78025	22.13910	21.61000	0.30291	21.538	-0.0077927	-0.69393	8.4357E-6
92.34540	22.13910	21.61000	0.29786	21.538	-0.0077211	-0.68901	8.3764E-6
94.91055	22.13910	21.61000	0.29188	21.538	-0.0075531	-0.67876	8.2539E-6
97.47570	22.13910	21.61000	0.28503	21.538	-0.0072957	-0.66347	8.0712E-6
100.04085	22.13910	21.61000	0.27742	21.538	-0.0069600	-0.64361	7.8340E-6
102.60600	22.13910	21.61000	0.26911	21.538	-0.0065608	-0.61982	7.5498E-6
105.17115	22.13910	21.61000	0.26021	21.538	-0.0061148	-0.59287	7.2276E-6
107.73630	22.13910	21.61000	0.25080	21.538	-0.0056397	-0.56356	6.8769E-6
110.30145	22.13910	21.61000	0.24100	21.538	-0.0051522	-0.53273	6.5074E-6
112.86660	22.13910	21.61000	0.23090	21.538	-0.0046673	-0.50112	6.1280E-6
115.43175	22.13910	21.61000	0.22061	21.538	-0.0041969	-0.46941	5.7468E-6
117.99690	22.13910	21.61000	0.21024	21.538	-0.0037504	-0.43814	5.3704E-6
120.56205	22.13910	21.61000	0.19988	21.538	-0.0033338	-0.40777	5.0040E-6
123.12720	22.13910	21.61000	0.18963	21.538	-0.0029509	-0.37862	4.6518E-6
125.69235	22.13910	21.61000	0.17956	21.538	-0.0026030	-0.35092	4.3164E-6
128.25750	22.13910	21.61000	0.16974	21.538	-0.0022902	-0.32480	3.9996E-6
130.82265	22.13910	21.61000	0.16023	21.538	-0.0020110	-0.30034	3.7024E-6
133.38780	22.13910	21.61000	0.15107	21.538	-0.0017636	-0.27755	3.4251E-6
135.95295	22.13910	21.61000	0.14229	21.538	-0.0015454	-0.25642	3.1675E-6
138.51810	22.13910	21.61000	0.13392	21.538	-0.0013538	-0.23689	2.9290E-6
141.08325	22.13910	21.61000	0.12597	21.538	-0.0011860	-0.21888	2.7088E-6
143.64840	22.13910	21.61000	0.11844	21.538	-0.0010395	-0.20232	2.5060E-6
146.21355	22.13910	21.61000	0.11133	21.538	-911.65E-6	-0.18711	2.3194E-6

148.77870	22.13910	21.61000	0.10463	21.538	-800.29E-6	-0.17315	2.1481E-6
151.34385	22.13910	21.61000	0.098338	21.538	-703.32E-6	-0.16036	1.9908E-6
153.90900	22.13910	21.61000	0.092430	21.538	-618.89E-6	-0.14863	1.8464E-6 !
0.00000	24.59900	21.61000	0.086485	21.538	-300.30E-6	-0.10591	1.3210E-6
2.56515	24.59900	21.61000	0.092055	21.538	-335.63E-6	-0.11338	1.4137E-6
5.13030	24.59900	21.61000	0.098014	21.538	-375.55E-6	-0.12148	1.5141E-6
7.69545	24.59900	21.61000	0.10438	21.538	-420.67E-6	-0.13025	1.6227E-6
10.26060	24.59900	21.61000	0.11118	21.538	-471.68E-6	-0.13974	1.7402E-6
12.82575	24.59900	21.61000	0.11843	21.538	-529.35E-6	-0.15002	1.8673E-6
15.39090	24.59900	21.61000	0.12614	21.538	-594.52E-6	-0.16114	2.0048E-6
17.95605	24.59900	21.61000	0.13432	21.538	-668.11E-6	-0.17317	2.1533E-6
20.52120	24.59900	21.61000	0.14297	21.538	-751.09E-6	-0.18615	2.3134E-6
23.08635	24.59900	21.61000	0.15209	21.538	-844.52E-6	-0.20015	2.4860E-6
25.65150	24.59900	21.61000	0.16167	21.538	-949.43E-6	-0.21521	2.6715E-6
28.21665	24.59900	21.61000	0.17169	21.538	-0.0010669	-0.23138	2.8705E-6
30.78180	24.59900	21.61000	0.18210	21.538	-0.0011980	-0.24870	3.0834E-6
33.34695	24.59900	21.61000	0.19286	21.538	-0.0013438	-0.26718	3.3105E-6
35.91210	24.59900	21.61000	0.20392	21.538	-0.0015056	-0.28686	3.5519E-6
38.47725	24.59900	21.61000	0.21519	21.538	-0.0016850	-0.30773	3.8077E-6
41.04240	24.59900	21.61000	0.22660	21.538	-0.0018842	-0.32982	4.0781E-6
43.60755	24.59900	21.61000	0.23804	21.538	-0.0021066	-0.35314	4.3631E-6
46.17270	24.59900	21.61000	0.24942	21.538	-0.0023571	-0.37774	4.6631E-6
48.73785	24.59900	21.61000	0.26062	21.538	-0.0026424	-0.40367	4.9784E-6
51.30300	24.59900	21.61000	0.27153	21.538	-0.0029703	-0.43096	5.3095E-6
53.86815	24.59900	21.61000	0.28203	21.538	-0.0033487	-0.45967	5.6564E-6
56.43330	24.59900	21.61000	0.29198	21.538	-0.0037843	-0.48979	6.0188E-6
58.99845	24.59900	21.61000	0.30125	21.538	-0.0042810	-0.52123	6.3956E-6
61.56360	24.59900	21.61000	0.30972	21.538	-0.0048385	-0.55381	6.7844E-6
64.12875	24.59900	21.61000	0.31727	21.538	-0.0054511	-0.58722	7.1816E-6
66.69390	24.59900	21.61000	0.32377	21.538	-0.0061073	-0.62103	7.5821E-6
69.25905	24.59900	21.61000	0.32913	21.538	-0.0067898	-0.65464	7.9793E-6
71.82420	24.59900	21.61000	0.33329	21.538	-0.0074763	-0.68735	8.3648E-6
74.38935	24.59900	21.61000	0.33617	21.538	-0.0081407	-0.71829	8.7290E-6
76.95450	24.59900	21.61000	0.33776	21.538	-0.0087557	-0.74655	9.0612E-6
79.51965	24.59900	21.61000	0.33805	21.538	-0.0092949	-0.77112	9.3500E-6
82.08480	24.59900	21.61000	0.33705	21.538	-0.0097351	-0.79106	9.5842E-6
84.64995	24.59900	21.61000	0.33481	21.538	-0.010057	-0.80546	9.7532E-6
87.21510	24.59900	21.61000	0.33136	21.538	-0.010246	-0.81359	9.8484E-6
89.78025	24.59900	21.61000	0.32678	21.538	-0.010294	-0.81491	9.8632E-6
92.34540	24.59900	21.61000	0.32114	21.538	-0.010196	-0.80915	9.7944E-6
94.91055	24.59900	21.61000	0.31451	21.538	-0.0099561	-0.79636	9.6426E-6
97.47570	24.59900	21.61000	0.30697	21.538	-0.0095855	-0.77692	9.4120E-6
100.04085	24.59900	21.61000	0.29861	21.538	-0.0091013	-0.75149	9.1104E-6
102.60600	24.59900	21.61000	0.28950	21.538	-0.0085268	-0.72101	8.7487E-6
105.17115	24.59900	21.61000	0.27975	21.538	-0.0078887	-0.68658	8.3395E-6
107.73630	24.59900	21.61000	0.26944	21.538	-0.0072146	-0.64934	7.8965E-6
110.30145	24.59900	21.61000	0.25868	21.538	-0.0065304	-0.61043	7.4328E-6
112.86660	24.59900	21.61000	0.24759	21.538	-0.0058582	-0.57088	6.9607E-6

115.43175	24.59900	21.61000	0.23628	21.538	-0.0052150	-0.53158	6.4905E-6
117.99690	24.59900	21.61000	0.22486	21.538	-0.0046129	-0.49321	6.0305E-6
120.56205	24.59900	21.61000	0.21346	21.538	-0.0040592	-0.45631	5.5872E-6
123.12720	24.59900	21.61000	0.20217	21.538	-0.0035574	-0.42124	5.1650E-6
125.69235	24.59900	21.61000	0.19109	21.538	-0.0031079	-0.38823	4.7667E-6
128.25750	24.59900	21.61000	0.18031	21.538	-0.0027091	-0.35740	4.3939E-6
130.82265	24.59900	21.61000	0.16988	21.538	-0.0023578	-0.32879	4.0472E-6
133.38780	24.59900	21.61000	0.15985	21.538	-0.0020502	-0.30236	3.7264E-6
135.95295	24.59900	21.61000	0.15027	21.538	-0.0017822	-0.27805	3.4307E-6
138.51810	24.59900	21.61000	0.14116	21.538	-0.0015493	-0.25575	3.1589E-6
141.08325	24.59900	21.61000	0.13252	21.538	-0.0013476	-0.23534	2.9098E-6
143.64840	24.59900	21.61000	0.12436	21.538	-0.0011731	-0.21669	2.6818E-6
146.21355	24.59900	21.61000	0.11667	21.538	-0.0010223	-0.19967	2.4733E-6
148.77870	24.59900	21.61000	0.10945	21.538	-892.08E-6	-0.18415	2.2830E-6
151.34385	24.59900	21.61000	0.10269	21.538	-779.59E-6	-0.17000	2.1092E-6
153.90900	24.59900	21.61000	0.096352	21.538	-682.40E-6	-0.15710	1.9505E-6 !
0.00000	27.05890	21.61000	0.089945	21.538	-324.75E-6	-0.11082	1.3819E-6
2.56515	27.05890	21.61000	0.095892	21.538	-364.20E-6	-0.11890	1.4820E-6
5.13030	27.05890	21.61000	0.10227	21.538	-408.97E-6	-0.12767	1.5907E-6
7.69545	27.05890	21.61000	0.10911	21.538	-459.82E-6	-0.13721	1.7087E-6
10.26060	27.05890	21.61000	0.11643	21.538	-517.60E-6	-0.14757	1.8370E-6
12.82575	27.05890	21.61000	0.12425	21.538	-583.25E-6	-0.15884	1.9763E-6
15.39090	27.05890	21.61000	0.13259	21.538	-657.82E-6	-0.17109	2.1275E-6
17.95605	27.05890	21.61000	0.14146	21.538	-742.45E-6	-0.18438	2.2915E-6
20.52120	27.05890	21.61000	0.15088	21.538	-838.37E-6	-0.19880	2.4693E-6
23.08635	27.05890	21.61000	0.16083	21.538	-946.84E-6	-0.21441	2.6616E-6
25.65150	27.05890	21.61000	0.17130	21.538	-0.0010691	-0.23129	2.8693E-6
28.21665	27.05890	21.61000	0.18227	21.538	-0.0012063	-0.24948	3.0930E-6
30.78180	27.05890	21.61000	0.19369	21.538	-0.0013596	-0.26904	3.3333E-6
33.34695	27.05890	21.61000	0.20552	21.538	-0.0015298	-0.29000	3.5905E-6
35.91210	27.05890	21.61000	0.21768	21.538	-0.0017178	-0.31236	3.8647E-6
38.47725	27.05890	21.61000	0.23008	21.538	-0.0019248	-0.33615	4.1562E-6
41.04240	27.05890	21.61000	0.24263	21.538	-0.0021529	-0.36138	4.4649E-6
43.60755	27.05890	21.61000	0.25522	21.538	-0.0024063	-0.38807	4.7912E-6
46.17270	27.05890	21.61000	0.26774	21.538	-0.0026923	-0.41632	5.1358E-6
48.73785	27.05890	21.61000	0.28006	21.538	-0.0030221	-0.44623	5.4996E-6
51.30300	27.05890	21.61000	0.29206	21.538	-0.0034103	-0.47796	5.8842E-6
53.86815	27.05890	21.61000	0.30360	21.538	-0.0038731	-0.51167	6.2907E-6
56.43330	27.05890	21.61000	0.31454	21.538	-0.0044251	-0.54744	6.7199E-6
58.99845	27.05890	21.61000	0.32473	21.538	-0.0050765	-0.58529	7.1714E-6
61.56360	27.05890	21.61000	0.33402	21.538	-0.0058302	-0.62506	7.6434E-6
64.12875	27.05890	21.61000	0.34226	21.538	-0.0066807	-0.66645	8.1319E-6
66.69390	27.05890	21.61000	0.34931	21.538	-0.0076123	-0.70893	8.6311E-6
69.25905	27.05890	21.61000	0.35506	21.538	-0.0085994	-0.75177	9.1328E-6
71.82420	27.05890	21.61000	0.35942	21.538	-0.0096068	-0.79403	9.6265E-6
74.38935	27.05890	21.61000	0.36235	21.538	-0.010593	-0.83456	10.099E-6
76.95450	27.05890	21.61000	0.36382	21.538	-0.011513	-0.87206	10.536E-6
79.51965	27.05890	21.61000	0.36385	21.538	-0.012324	-0.90513	10.922E-6

82.08480	27.05890	21.61000	0.36247	21.538	-0.012992	-0.93238	11.239E-6
84.64995	27.05890	21.61000	0.35976	21.538	-0.013484	-0.95251	11.474E-6
87.21510	27.05890	21.61000	0.35577	21.538	-0.013780	-0.96441	11.612E-6
89.78025	27.05890	21.61000	0.35061	21.538	-0.013864	-0.96723	11.645E-6
92.34540	27.05890	21.61000	0.34437	21.538	-0.013730	-0.96056	11.566E-6
94.91055	27.05890	21.61000	0.33712	21.538	-0.013381	-0.94439	11.376E-6
97.47570	27.05890	21.61000	0.32895	21.538	-0.012835	-0.91927	11.080E-6
100.04085	27.05890	21.61000	0.31994	21.538	-0.012119	-0.88617	10.691E-6
102.60600	27.05890	21.61000	0.31015	21.538	-0.011272	-0.84647	10.223E-6
105.17115	27.05890	21.61000	0.29965	21.538	-0.010337	-0.80176	9.6962E-6
107.73630	27.05890	21.61000	0.28854	21.538	-0.0093590	-0.75374	9.1290E-6
110.30145	27.05890	21.61000	0.27691	21.538	-0.0083794	-0.70401	8.5403E-6
112.86660	27.05890	21.61000	0.26486	21.538	-0.0074311	-0.65397	7.9466E-6
115.43175	27.05890	21.61000	0.25254	21.538	-0.0065383	-0.60479	7.3616E-6
117.99690	27.05890	21.61000	0.24008	21.538	-0.0057164	-0.55733	6.7956E-6
120.56205	27.05890	21.61000	0.22760	21.538	-0.0049729	-0.51221	6.2559E-6
123.12720	27.05890	21.61000	0.21524	21.538	-0.0043100	-0.46980	5.7475E-6
125.69235	27.05890	21.61000	0.20311	21.538	-0.0037254	-0.43032	5.2729E-6
128.25750	27.05890	21.61000	0.19130	21.538	-0.0032143	-0.39383	4.8331E-6
130.82265	27.05890	21.61000	0.17990	21.538	-0.0027706	-0.36029	4.4279E-6
133.38780	27.05890	21.61000	0.16896	21.538	-0.0023872	-0.32960	4.0563E-6
135.95295	27.05890	21.61000	0.15853	21.538	-0.0020573	-0.30161	3.7166E-6
138.51810	27.05890	21.61000	0.14862	21.538	-0.0017741	-0.27614	3.4069E-6
141.08325	27.05890	21.61000	0.13925	21.538	-0.0015314	-0.25300	3.1250E-6
143.64840	27.05890	21.61000	0.13043	21.538	-0.0013236	-0.23201	2.8688E-6
146.21355	27.05890	21.61000	0.12214	21.538	-0.0011459	-0.21298	2.6361E-6
148.77870	27.05890	21.61000	0.11437	21.538	-993.68E-6	-0.19574	2.4249E-6
151.34385	27.05890	21.61000	0.10711	21.538	-863.35E-6	-0.18010	2.2331E-6
153.90900	27.05890	21.61000	0.10034	21.538	-751.62E-6	-0.16592	2.0590E-6 !
0.00000	29.51880	21.61000	0.093452	21.538	-351.05E-6	-0.11591	1.4449E-6
2.56515	29.51880	21.61000	0.099791	21.538	-395.08E-6	-0.12462	1.5528E-6
5.13030	29.51880	21.61000	0.10661	21.538	-445.30E-6	-0.13412	1.6705E-6
7.69545	29.51880	21.61000	0.11393	21.538	-502.62E-6	-0.14449	1.7987E-6
10.26060	29.51880	21.61000	0.12180	21.538	-568.08E-6	-0.15581	1.9386E-6
12.82575	29.51880	21.61000	0.13022	21.538	-642.87E-6	-0.16816	2.0912E-6
15.39090	29.51880	21.61000	0.13923	21.538	-728.28E-6	-0.18164	2.2576E-6
17.95605	29.51880	21.61000	0.14884	21.538	-825.76E-6	-0.19635	2.4389E-6
20.52120	29.51880	21.61000	0.15906	21.538	-936.81E-6	-0.21237	2.6363E-6
23.08635	29.51880	21.61000	0.16988	21.538	-0.0010630	-0.22980	2.8509E-6
25.65150	29.51880	21.61000	0.18130	21.538	-0.0012058	-0.24874	3.0837E-6
28.21665	29.51880	21.61000	0.19328	21.538	-0.0013663	-0.26925	3.3356E-6
30.78180	29.51880	21.61000	0.20577	21.538	-0.0015455	-0.29138	3.6073E-6
33.34695	29.51880	21.61000	0.21871	21.538	-0.0017433	-0.31517	3.8991E-6
35.91210	29.51880	21.61000	0.23201	21.538	-0.0019595	-0.34062	4.2111E-6
38.47725	29.51880	21.61000	0.24557	21.538	-0.0021931	-0.36773	4.5433E-6
41.04240	29.51880	21.61000	0.25927	21.538	-0.0024447	-0.39649	4.8956E-6
43.60755	29.51880	21.61000	0.27299	21.538	-0.0027175	-0.42692	5.2682E-6
46.17270	29.51880	21.61000	0.28661	21.538	-0.0030217	-0.45917	5.6623E-6

48.73785	29.51880	21.61000	0.29999	21.538	-0.0033761	-0.49343	6.0801E-6
51.30300	29.51880	21.61000	0.31302	21.538	-0.0038085	-0.53006	6.5245E-6
53.86815	29.51880	21.61000	0.32556	21.538	-0.0043519	-0.56942	6.9991E-6
56.43330	29.51880	21.61000	0.33744	21.538	-0.0050379	-0.61182	7.5067E-6
58.99845	29.51880	21.61000	0.34849	21.538	-0.0058896	-0.65743	8.0483E-6
61.56360	29.51880	21.61000	0.35854	21.538	-0.0069179	-0.70620	8.6231E-6
64.12875	29.51880	21.61000	0.36739	21.538	-0.0081186	-0.75784	9.2273E-6
66.69390	29.51880	21.61000	0.37489	21.538	-0.0094714	-0.81175	9.8545E-6
69.25905	29.51880	21.61000	0.38089	21.538	-0.010937	-0.86704	10.495E-6
71.82420	29.51880	21.61000	0.38530	21.538	-0.012460	-0.92247	11.134E-6
74.38935	29.51880	21.61000	0.38807	21.538	-0.013969	-0.97644	11.757E-6
76.95450	29.51880	21.61000	0.38920	21.538	-0.015389	-1.0271	12.340E-6
79.51965	29.51880	21.61000	0.38874	21.538	-0.016649	-1.0725	12.863E-6
82.08480	29.51880	21.61000	0.38678	21.538	-0.017691	-1.1105	13.302E-6
84.64995	29.51880	21.61000	0.38342	21.538	-0.018469	-1.1392	13.634E-6
87.21510	29.51880	21.61000	0.37878	21.538	-0.018949	-1.1570	13.839E-6
89.78025	29.51880	21.61000	0.37300	21.538	-0.019104	-1.1624	13.902E-6
92.34540	29.51880	21.61000	0.36618	21.538	-0.018921	-1.1548	13.813E-6
94.91055	29.51880	21.61000	0.35843	21.538	-0.018404	-1.1341	13.572E-6
97.47570	29.51880	21.61000	0.34982	21.538	-0.017578	-1.1010	13.187E-6
100.04085	29.51880	21.61000	0.34040	21.538	-0.016488	-1.0570	12.675E-6
102.60600	29.51880	21.61000	0.33019	21.538	-0.015201	-1.0043	12.061E-6
105.17115	29.51880	21.61000	0.31923	21.538	-0.013791	-0.94519	11.370E-6
107.73630	29.51880	21.61000	0.30756	21.538	-0.012335	-0.88222	10.633E-6
110.30145	29.51880	21.61000	0.29525	21.538	-0.010900	-0.81771	9.8755E-6
112.86660	29.51880	21.61000	0.28241	21.538	-0.0095356	-0.75361	9.1207E-6
115.43175	29.51880	21.61000	0.26918	21.538	-0.0082761	-0.69144	8.3861E-6
117.99690	29.51880	21.61000	0.25572	21.538	-0.0071390	-0.63225	7.6844E-6
120.56205	29.51880	21.61000	0.24218	21.538	-0.0061303	-0.57672	7.0239E-6
123.12720	29.51880	21.61000	0.22874	21.538	-0.0052473	-0.52520	6.4090E-6
125.69235	29.51880	21.61000	0.21553	21.538	-0.0044822	-0.47780	5.8417E-6
128.25750	29.51880	21.61000	0.20267	21.538	-0.0038243	-0.43449	5.3217E-6
130.82265	29.51880	21.61000	0.19025	21.538	-0.0032619	-0.39511	4.8475E-6
133.38780	29.51880	21.61000	0.17835	21.538	-0.0027830	-0.35943	4.4167E-6
135.95295	29.51880	21.61000	0.16702	21.538	-0.0023764	-0.32719	4.0264E-6
138.51810	29.51880	21.61000	0.15628	21.538	-0.0020318	-0.29810	3.6735E-6
141.08325	29.51880	21.61000	0.14615	21.538	-0.0017399	-0.27189	3.3548E-6
143.64840	29.51880	21.61000	0.13663	21.538	-0.0014927	-0.24829	3.0672E-6
146.21355	29.51880	21.61000	0.12771	21.538	-0.0012832	-0.22704	2.8077E-6
148.77870	29.51880	21.61000	0.11937	21.538	-0.0011057	-0.20789	2.5736E-6
151.34385	29.51880	21.61000	0.11160	21.538	-954.92E-6	-0.19064	2.3622E-6
153.90900	29.51880	21.61000	0.10436	21.538	-826.73E-6	-0.17508	2.1713E-6 !
0.00000	31.97870	21.61000	0.096989	21.538	-379.30E-6	-0.12115	1.5098E-6
2.56515	31.97870	21.61000	0.10373	21.538	-428.43E-6	-0.13054	1.6261E-6
5.13030	31.97870	21.61000	0.11101	21.538	-484.74E-6	-0.14083	1.7533E-6
7.69545	31.97870	21.61000	0.11884	21.538	-549.36E-6	-0.15209	1.8926E-6
10.26060	31.97870	21.61000	0.12727	21.538	-623.56E-6	-0.16444	2.0452E-6
12.82575	31.97870	21.61000	0.13632	21.538	-708.81E-6	-0.17798	2.2123E-6

15.39090	31.97870	21.61000	0.14603	21.538	-806.75E-6	-0.19283	2.3953E-6
17.95605	31.97870	21.61000	0.15641	21.538	-919.18E-6	-0.20910	2.5958E-6
20.52120	31.97870	21.61000	0.16748	21.538	-0.0010480	-0.22692	2.8151E-6
23.08635	31.97870	21.61000	0.17922	21.538	-0.0011952	-0.24641	3.0548E-6
25.65150	31.97870	21.61000	0.19163	21.538	-0.0013624	-0.26768	3.3161E-6
28.21665	31.97870	21.61000	0.20466	21.538	-0.0015507	-0.29084	3.6003E-6
30.78180	31.97870	21.61000	0.21826	21.538	-0.0017602	-0.31594	3.9081E-6
33.34695	31.97870	21.61000	0.23234	21.538	-0.0019893	-0.34301	4.2400E-6
35.91210	31.97870	21.61000	0.24678	21.538	-0.0022341	-0.37202	4.5957E-6
38.47725	31.97870	21.61000	0.26146	21.538	-0.0024883	-0.40290	4.9746E-6
41.04240	31.97870	21.61000	0.27624	21.538	-0.0027455	-0.43557	5.3760E-6
43.60755	31.97870	21.61000	0.29097	21.538	-0.0030034	-0.47003	5.7997E-6
46.17270	31.97870	21.61000	0.30553	21.538	-0.0032719	-0.50640	6.2471E-6
48.73785	31.97870	21.61000	0.31981	21.538	-0.0035823	-0.54508	6.7220E-6
51.30300	31.97870	21.61000	0.33368	21.538	-0.0039897	-0.58673	7.2306E-6
53.86815	31.97870	21.61000	0.34702	21.538	-0.0045648	-0.63214	7.7802E-6
56.43330	31.97870	21.61000	0.35968	21.538	-0.0053763	-0.68206	8.3775E-6
58.99845	31.97870	21.61000	0.37146	21.538	-0.0064752	-0.73695	9.0266E-6
61.56360	31.97870	21.61000	0.38212	21.538	-0.0078876	-0.79697	9.7283E-6
64.12875	31.97870	21.61000	0.39144	21.538	-0.0096148	-0.86188	10.480E-6
66.69390	31.97870	21.61000	0.39919	21.538	-0.011632	-0.93107	11.274E-6
69.25905	31.97870	21.61000	0.40520	21.538	-0.013880	-1.0035	12.100E-6
71.82420	31.97870	21.61000	0.40935	21.538	-0.016267	-1.0774	12.940E-6
74.38935	31.97870	21.61000	0.41160	21.538	-0.018667	-1.1507	13.771E-6
76.95450	31.97870	21.61000	0.41200	21.538	-0.020943	-1.2206	14.565E-6
79.51965	31.97870	21.61000	0.41067	21.538	-0.022972	-1.2842	15.289E-6
82.08480	31.97870	21.61000	0.40777	21.538	-0.024661	-1.3385	15.908E-6
84.64995	31.97870	21.61000	0.40349	21.538	-0.025942	-1.3805	16.388E-6
87.21510	31.97870	21.61000	0.39802	21.538	-0.026756	-1.4076	16.698E-6
89.78025	31.97870	21.61000	0.39158	21.538	-0.027059	-1.4176	16.812E-6
92.34540	31.97870	21.61000	0.38430	21.538	-0.026818	-1.4092	16.716E-6
94.91055	31.97870	21.61000	0.37631	21.538	-0.026034	-1.3822	16.406E-6
97.47570	31.97870	21.61000	0.36765	21.538	-0.024743	-1.3378	15.895E-6
100.04085	31.97870	21.61000	0.35832	21.538	-0.023024	-1.2780	15.209E-6
102.60600	31.97870	21.61000	0.34825	21.538	-0.020995	-1.2063	14.383E-6
105.17115	31.97870	21.61000	0.33738	21.538	-0.018794	-1.1264	13.461E-6
107.73630	31.97870	21.61000	0.32565	21.538	-0.016557	-1.0422	12.487E-6
110.30145	31.97870	21.61000	0.31309	21.538	-0.014397	-0.95716	11.498E-6
112.86660	31.97870	21.61000	0.29977	21.538	-0.012390	-0.87393	10.527E-6
115.43175	31.97870	21.61000	0.28586	21.538	-0.010582	-0.79449	9.5954E-6
117.99690	31.97870	21.61000	0.27154	21.538	-0.0089869	-0.72006	8.7193E-6
120.56205	31.97870	21.61000	0.25704	21.538	-0.0076036	-0.65128	7.9063E-6
123.12720	31.97870	21.61000	0.24255	21.538	-0.0064181	-0.58839	7.1598E-6
125.69235	31.97870	21.61000	0.22825	21.538	-0.0054110	-0.53132	6.4799E-6
128.25750	31.97870	21.61000	0.21432	21.538	-0.0045608	-0.47982	5.8640E-6
130.82265	31.97870	21.61000	0.20086	21.538	-0.0038461	-0.43352	5.3086E-6
133.38780	31.97870	21.61000	0.18796	21.538	-0.0032470	-0.39202	4.8091E-6
135.95295	31.97870	21.61000	0.17569	21.538	-0.0027456	-0.35488	4.3609E-6

138.51810	31.97870	21.61000	0.16409	21.538	-0.0023262	-0.32168	3.9590E-6
141.08325	31.97870	21.61000	0.15316	21.538	-0.0019754	-0.29202	3.5991E-6
143.64840	31.97870	21.61000	0.14292	21.538	-0.0016816	-0.26550	3.2766E-6
146.21355	31.97870	21.61000	0.13335	21.538	-0.0014354	-0.24180	2.9877E-6
148.77870	31.97870	21.61000	0.12442	21.538	-0.0012286	-0.22058	2.7286E-6
151.34385	31.97870	21.61000	0.11612	21.538	-0.0010546	-0.20158	2.4961E-6
153.90900	31.97870	21.61000	0.10841	21.538	-907.81E-6	-0.18454	2.2873E-6 !
0.00000	34.43860	21.61000	0.10054	21.538	-409.58E-6	-0.12654	1.5764E-6
2.56515	34.43860	21.61000	0.10770	21.538	-464.37E-6	-0.13666	1.7016E-6
5.13030	34.43860	21.61000	0.11544	21.538	-527.50E-6	-0.14778	1.8392E-6
7.69545	34.43860	21.61000	0.12380	21.538	-600.33E-6	-0.16001	1.9903E-6
10.26060	34.43860	21.61000	0.13281	21.538	-684.45E-6	-0.17348	2.1566E-6
12.82575	34.43860	21.61000	0.14252	21.538	-781.69E-6	-0.18831	2.3395E-6
15.39090	34.43860	21.61000	0.15296	21.538	-894.12E-6	-0.20466	2.5409E-6
17.95605	34.43860	21.61000	0.16414	21.538	-0.0010240	-0.22266	2.7625E-6
20.52120	34.43860	21.61000	0.17608	21.538	-0.0011739	-0.24250	3.0063E-6
23.08635	34.43860	21.61000	0.18879	21.538	-0.0013461	-0.26431	3.2743E-6
25.65150	34.43860	21.61000	0.20222	21.538	-0.0015426	-0.28826	3.5681E-6
28.21665	34.43860	21.61000	0.21634	21.538	-0.0017645	-0.31447	3.8894E-6
30.78180	34.43860	21.61000	0.23105	21.538	-0.0020103	-0.34301	4.2392E-6
33.34695	34.43860	21.61000	0.24625	21.538	-0.0022748	-0.37389	4.6178E-6
35.91210	34.43860	21.61000	0.26178	21.538	-0.0025465	-0.40703	5.0244E-6
38.47725	34.43860	21.61000	0.27747	21.538	-0.0028058	-0.44220	5.4571E-6
41.04240	34.43860	21.61000	0.29313	21.538	-0.0030259	-0.47915	5.9136E-6
43.60755	34.43860	21.61000	0.30860	21.538	-0.0031813	-0.51764	6.3920E-6
46.17270	34.43860	21.61000	0.32374	21.538	-0.0032685	-0.55775	6.8932E-6
48.73785	34.43860	21.61000	0.33848	21.538	-0.0033351	-0.60009	7.4234E-6
51.30300	34.43860	21.61000	0.35277	21.538	-0.0034972	-0.64595	7.9941E-6
53.86815	34.43860	21.61000	0.36653	21.538	-0.0039184	-0.69700	8.6205E-6
56.43330	34.43860	21.61000	0.37963	21.538	-0.0047573	-0.75485	9.3166E-6
58.99845	34.43860	21.61000	0.39184	21.538	-0.0061227	-0.82056	10.092E-6
61.56360	34.43860	21.61000	0.40286	21.538	-0.0080673	-0.89458	10.949E-6
64.12875	34.43860	21.61000	0.41237	21.538	-0.010603	-0.97680	11.888E-6
66.69390	34.43860	21.61000	0.42005	21.538	-0.013704	-1.0667	12.902E-6
69.25905	34.43860	21.61000	0.42564	21.538	-0.017294	-1.1631	13.979E-6
71.82420	34.43860	21.61000	0.42900	21.538	-0.021213	-1.2638	15.098E-6
74.38935	34.43860	21.61000	0.43012	21.538	-0.025223	-1.3657	16.229E-6
76.95450	34.43860	21.61000	0.42914	21.538	-0.029052	-1.4647	17.329E-6
79.51965	34.43860	21.61000	0.42627	21.538	-0.032473	-1.5562	18.352E-6
82.08480	34.43860	21.61000	0.42183	21.538	-0.035337	-1.6358	19.245E-6
84.64995	34.43860	21.61000	0.41616	21.538	-0.037550	-1.6990	19.956E-6
87.21510	34.43860	21.61000	0.40959	21.538	-0.039021	-1.7415	20.436E-6
89.78025	34.43860	21.61000	0.40244	21.538	-0.039651	-1.7598	20.642E-6
92.34540	34.43860	21.61000	0.39494	21.538	-0.039367	-1.7513	20.546E-6
94.91055	34.43860	21.61000	0.38721	21.538	-0.038148	-1.7155	20.142E-6
97.47570	34.43860	21.61000	0.37927	21.538	-0.036049	-1.6541	19.448E-6
100.04085	34.43860	21.61000	0.37098	21.538	-0.033214	-1.5705	18.504E-6
102.60600	34.43860	21.61000	0.36211	21.538	-0.029865	-1.4702	17.368E-6

105.17115	34.43860	21.61000	0.35237	21.538	-0.026276	-1.3594	16.110E-6
107.73630	34.43860	21.61000	0.34153	21.538	-0.022704	-1.2443	14.796E-6
110.30145	34.43860	21.61000	0.32949	21.538	-0.019346	-1.1299	13.485E-6
112.86660	34.43860	21.61000	0.31629	21.538	-0.016320	-1.0202	12.219E-6
115.43175	34.43860	21.61000	0.30211	21.538	-0.013672	-0.91757	11.027E-6
117.99690	34.43860	21.61000	0.28722	21.538	-0.011404	-0.82318	9.9253E-6
120.56205	34.43860	21.61000	0.27192	21.538	-0.0094871	-0.73750	8.9198E-6
123.12720	34.43860	21.61000	0.25647	21.538	-0.0078838	-0.66043	8.0107E-6
125.69235	34.43860	21.61000	0.24115	21.538	-0.0065514	-0.59152	7.1942E-6
128.25750	34.43860	21.61000	0.22615	21.538	-0.0054490	-0.53019	6.4642E-6
130.82265	34.43860	21.61000	0.21163	21.538	-0.0045392	-0.47573	5.8135E-6
133.38780	34.43860	21.61000	0.19772	21.538	-0.0037892	-0.42747	5.2347E-6
135.95295	34.43860	21.61000	0.18449	21.538	-0.0031710	-0.38473	4.7203E-6
138.51810	34.43860	21.61000	0.17200	21.538	-0.0026612	-0.34688	4.2634E-6
141.08325	34.43860	21.61000	0.16026	21.538	-0.0022402	-0.31335	3.8574E-6
143.64840	34.43860	21.61000	0.14927	21.538	-0.0018918	-0.28362	3.4966E-6
146.21355	34.43860	21.61000	0.13902	21.538	-0.0016028	-0.25723	3.1755E-6
148.77870	34.43860	21.61000	0.12949	21.538	-0.0013626	-0.23377	2.8894E-6
151.34385	34.43860	21.61000	0.12065	21.538	-0.0011623	-0.21288	2.6343E-6
153.90900	34.43860	21.61000	0.11245	21.538	-994.80E-6	-0.19426	2.4063E-6 !
0.00000	36.89850	21.61000	0.10408	21.538	-441.96E-6	-0.13206	1.6446E-6
2.56515	36.89850	21.61000	0.11167	21.538	-503.03E-6	-0.14295	1.7793E-6
5.13030	36.89850	21.61000	0.11989	21.538	-573.77E-6	-0.15496	1.9278E-6
7.69545	36.89850	21.61000	0.12878	21.538	-655.84E-6	-0.16823	2.0916E-6
10.26060	36.89850	21.61000	0.13840	21.538	-751.22E-6	-0.18291	2.2727E-6
12.82575	36.89850	21.61000	0.14878	21.538	-862.19E-6	-0.19915	2.4728E-6
15.39090	36.89850	21.61000	0.15996	21.538	-991.39E-6	-0.21714	2.6942E-6
17.95605	36.89850	21.61000	0.17198	21.538	-0.0011418	-0.23707	2.9393E-6
20.52120	36.89850	21.61000	0.18483	21.538	-0.0013165	-0.25915	3.2105E-6
23.08635	36.89850	21.61000	0.19851	21.538	-0.0015188	-0.28359	3.5103E-6
25.65150	36.89850	21.61000	0.21300	21.538	-0.0017512	-0.31060	3.8413E-6
28.21665	36.89850	21.61000	0.22821	21.538	-0.0020143	-0.34034	4.2055E-6
30.78180	36.89850	21.61000	0.24402	21.538	-0.0023048	-0.37292	4.6044E-6
33.34695	36.89850	21.61000	0.26028	21.538	-0.0026108	-0.40831	5.0381E-6
35.91210	36.89850	21.61000	0.27677	21.538	-0.0029058	-0.44630	5.5048E-6
38.47725	36.89850	21.61000	0.29322	21.538	-0.0031393	-0.48640	6.0006E-6
41.04240	36.89850	21.61000	0.30937	21.538	-0.0032302	-0.52789	6.5190E-6
43.60755	36.89850	21.61000	0.32500	21.538	-0.0030754	-0.56994	7.0539E-6
46.17270	36.89850	21.61000	0.33999	21.538	-0.0025981	-0.61217	7.6032E-6
48.73785	36.89850	21.61000	0.35436	21.538	-0.0018476	-0.65541	8.1754E-6
51.30300	36.89850	21.61000	0.36821	21.538	-0.0010876	-0.70216	8.7923E-6
53.86815	36.89850	21.61000	0.38163	21.538	-748.15E-6	-0.75618	9.4847E-6
56.43330	36.89850	21.61000	0.39456	21.538	-0.0012323	-0.82097	10.281E-6
58.99845	36.89850	21.61000	0.40670	21.538	-0.0027672	-0.89862	11.200E-6
61.56360	36.89850	21.61000	0.41766	21.538	-0.0054258	-0.98987	12.248E-6
64.12875	36.89850	21.61000	0.42693	21.538	-0.0092269	-1.0948	13.424E-6
66.69390	36.89850	21.61000	0.43402	21.538	-0.014175	-1.2132	14.727E-6
69.25905	36.89850	21.61000	0.43853	21.538	-0.020197	-1.3441	16.146E-6

71.82420	36.89850	21.61000	0.44022	21.538	-0.027034	-1.4850	17.661E-6
74.38935	36.89850	21.61000	0.43915	21.538	-0.034193	-1.6310	19.228E-6
76.95450	36.89850	21.61000	0.43560	21.538	-0.041063	-1.7755	20.786E-6
79.51965	36.89850	21.61000	0.43004	21.538	-0.047168	-1.9113	22.264E-6
82.08480	36.89850	21.61000	0.42302	21.538	-0.052306	-2.0317	23.585E-6
84.64995	36.89850	21.61000	0.41512	21.538	-0.056400	-2.1302	24.670E-6
87.21510	36.89850	21.61000	0.40696	21.538	-0.059281	-2.1995	25.433E-6
89.78025	36.89850	21.61000	0.39906	21.538	-0.060705	-2.2330	25.801E-6
92.34540	36.89850	21.61000	0.39175	21.538	-0.060477	-2.2262	25.724E-6
94.91055	36.89850	21.61000	0.38522	21.538	-0.058532	-2.1778	25.188E-6
97.47570	36.89850	21.61000	0.37939	21.538	-0.054947	-2.0901	24.220E-6
100.04085	36.89850	21.61000	0.37393	21.538	-0.049986	-1.9691	22.885E-6
102.60600	36.89850	21.61000	0.36822	21.538	-0.044113	-1.8238	21.279E-6
105.17115	36.89850	21.61000	0.36155	21.538	-0.037914	-1.6651	19.516E-6
107.73630	36.89850	21.61000	0.35330	21.538	-0.031925	-1.5032	17.705E-6
110.30145	36.89850	21.61000	0.34313	21.538	-0.026504	-1.3462	15.935E-6
112.86660	36.89850	21.61000	0.33106	21.538	-0.021810	-1.1993	14.264E-6
115.43175	36.89850	21.61000	0.31733	21.538	-0.017856	-1.0651	12.725E-6
117.99690	36.89850	21.61000	0.30234	21.538	-0.014583	-0.9444	11.331E-6
120.56205	36.89850	21.61000	0.28653	21.538	-0.011902	-0.8371	10.082E-6
123.12720	36.89850	21.61000	0.27031	21.538	-0.009719	-0.7423	8.9723E-6
125.69235	36.89850	21.61000	0.25405	21.538	-0.007950	-0.6590	7.9908E-6
128.25750	36.89850	21.61000	0.23803	21.538	-0.006517	-0.5859	7.1254E-6
130.82265	36.89850	21.61000	0.22247	21.538	-0.005358	-0.5219	6.3636E-6
133.38780	36.89850	21.61000	0.20754	21.538	-0.004420	-0.4658	5.6937E-6
135.95295	36.89850	21.61000	0.19335	21.538	-0.003658	-0.4167	5.1044E-6
138.51810	36.89850	21.61000	0.17995	21.538	-0.003040	-0.3736	4.5859E-6
141.08325	36.89850	21.61000	0.16737	21.538	-0.002536	-0.3358	4.1291E-6
143.64840	36.89850	21.61000	0.15562	21.538	-0.002124	-0.3025	3.7262E-6
146.21355	36.89850	21.61000	0.14469	21.538	-0.001786	-0.2732	3.3702E-6
148.77870	36.89850	21.61000	0.13455	21.538	-0.001507	-0.2473	3.0551E-6
151.34385	36.89850	21.61000	0.12515	21.538	-0.001278	-0.2248	2.7758E-6
153.90900	36.89850	21.61000	0.11646	21.538	-0.001087	-0.2041	2.5276E-6 !
0.00000	39.35840	21.61000	0.10760	21.538	-476.51E-6	-0.1376	1.7142E-6
2.56515	39.35840	21.61000	0.11561	21.538	-544.51E-6	-0.1494	1.8589E-6
5.13030	39.35840	21.61000	0.12432	21.538	-623.72E-6	-0.1623	2.0189E-6
7.69545	39.35840	21.61000	0.13376	21.538	-716.17E-6	-0.1767	2.1963E-6
10.26060	39.35840	21.61000	0.14399	21.538	-824.31E-6	-0.1927	2.3932E-6
12.82575	39.35840	21.61000	0.15506	21.538	-950.99E-6	-0.2104	2.6120E-6
15.39090	39.35840	21.61000	0.16701	21.538	-0.001099	-0.2302	2.8553E-6
17.95605	39.35840	21.61000	0.17987	21.538	-0.001273	-0.2523	3.1262E-6
20.52120	39.35840	21.61000	0.19365	21.538	-0.001478	-0.2769	3.4279E-6
23.08635	39.35840	21.61000	0.20833	21.538	-0.001717	-0.3043	3.7637E-6
25.65150	39.35840	21.61000	0.22387	21.538	-0.001993	-0.3348	4.1371E-6
28.21665	39.35840	21.61000	0.24015	21.538	-0.002308	-0.3687	4.5511E-6
30.78180	39.35840	21.61000	0.25701	21.538	-0.002656	-0.4060	5.0079E-6
33.34695	39.35840	21.61000	0.27421	21.538	-0.003015	-0.4468	5.5077E-6
35.91210	39.35840	21.61000	0.29141	21.538	-0.003331	-0.4907	6.0474E-6

38.47725	39.35840	21.61000	0.30820	21.538	-0.0034885	-0.53662	6.6191E-6
41.04240	39.35840	21.61000	0.32416	21.538	-0.0032691	-0.58287	7.2093E-6
43.60755	39.35840	21.61000	0.33892	21.538	-0.0023242	-0.62706	7.8008E-6
46.17270	39.35840	21.61000	0.35236	21.538	-256.82E-6	-0.66710	8.3825E-6
48.73785	39.35840	21.61000	0.36469	21.538	0.0030426	-0.70339	8.9636E-6
51.30300	39.35840	21.61000	0.37647	21.538	0.0069240	-0.74111	9.5846E-6
53.86815	39.35840	21.61000	0.38818	21.538	0.010039	-0.78931	10.308E-6
56.43330	39.35840	21.61000	0.39989	21.538	0.011199	-0.85618	11.194E-6
58.99845	39.35840	21.61000	0.41121	21.538	0.0099766	-0.94551	12.271E-6
61.56360	39.35840	21.61000	0.42150	21.538	0.0064357	-1.0576	13.548E-6
64.12875	39.35840	21.61000	0.42996	21.538	623.10E-6	-1.1923	15.022E-6
66.69390	39.35840	21.61000	0.43573	21.538	-0.0076077	-1.3503	16.700E-6
69.25905	39.35840	21.61000	0.43809	21.538	-0.018375	-1.5325	18.585E-6
71.82420	39.35840	21.61000	0.43663	21.538	-0.031334	-1.7364	20.662E-6
74.38935	39.35840	21.61000	0.43147	21.538	-0.045367	-1.9544	22.875E-6
76.95450	39.35840	21.61000	0.42325	21.538	-0.058832	-2.1741	25.130E-6
79.51965	39.35840	21.61000	0.41290	21.538	-0.070548	-2.3832	27.318E-6
82.08480	39.35840	21.61000	0.40139	21.538	-0.080447	-2.5724	29.326E-6
84.64995	39.35840	21.61000	0.38975	21.538	-0.088775	-2.7327	31.027E-6
87.21510	39.35840	21.61000	0.37907	21.538	-0.095104	-2.8511	32.278E-6
89.78025	39.35840	21.61000	0.37029	21.538	-0.098629	-2.9143	32.941E-6
92.34540	39.35840	21.61000	0.36395	21.538	-0.098851	-2.9136	32.923E-6
94.91055	39.35840	21.61000	0.36026	21.538	-0.095642	-2.8464	32.199E-6
97.47570	39.35840	21.61000	0.35908	21.538	-0.089108	-2.7162	30.808E-6
100.04085	39.35840	21.61000	0.35971	21.538	-0.079721	-2.5329	28.856E-6
102.60600	39.35840	21.61000	0.36084	21.538	-0.068524	-2.3128	26.509E-6
105.17115	39.35840	21.61000	0.36079	21.538	-0.056954	-2.0759	23.966E-6
107.73630	39.35840	21.61000	0.35815	21.538	-0.046261	-1.8406	21.409E-6
110.30145	39.35840	21.61000	0.35219	21.538	-0.037100	-1.6197	18.976E-6
112.86660	39.35840	21.61000	0.34290	21.538	-0.029589	-1.4195	16.741E-6
115.43175	39.35840	21.61000	0.33074	21.538	-0.023564	-1.2421	14.736E-6
117.99690	39.35840	21.61000	0.31637	21.538	-0.018781	-1.0868	12.964E-6
120.56205	39.35840	21.61000	0.30051	21.538	-0.015001	-0.95196	11.410E-6
123.12720	39.35840	21.61000	0.28379	21.538	-0.012016	-0.83523	10.054E-6
125.69235	39.35840	21.61000	0.26675	21.538	-0.0096604	-0.73441	8.8744E-6
128.25750	39.35840	21.61000	0.24981	21.538	-0.0077979	-0.64736	7.8496E-6
130.82265	39.35840	21.61000	0.23326	21.538	-0.0063222	-0.57217	6.9593E-6
133.38780	39.35840	21.61000	0.21734	21.538	-0.0051495	-0.50714	6.1855E-6
135.95295	39.35840	21.61000	0.20218	21.538	-0.0042145	-0.45080	5.5121E-6
138.51810	39.35840	21.61000	0.18787	21.538	-0.0034660	-0.40190	4.9252E-6
141.08325	39.35840	21.61000	0.17445	21.538	-0.0028644	-0.35935	4.4126E-6
143.64840	39.35840	21.61000	0.16194	21.538	-0.0023787	-0.32224	3.9641E-6
146.21355	39.35840	21.61000	0.15031	21.538	-0.0019848	-0.28978	3.5706E-6
148.77870	39.35840	21.61000	0.13954	21.538	-0.0016640	-0.26132	3.2247E-6
151.34385	39.35840	21.61000	0.12959	21.538	-0.0014014	-0.23630	2.9198E-6
153.90900	39.35840	21.61000	0.12041	21.538	-0.0011855	-0.21423	2.6503E-6 !
0.00000	41.81830	21.61000	0.11106	21.538	-513.24E-6	-0.14342	1.7849E-6
2.56515	41.81830	21.61000	0.11951	21.538	-588.89E-6	-0.15598	1.9400E-6

5.13030	41.81830	21.61000	0.12870	21.538	-677.51E-6	-0.16994	2.1123E-6
7.69545	41.81830	21.61000	0.13869	21.538	-781.59E-6	-0.18550	2.3041E-6
10.26060	41.81830	21.61000	0.14954	21.538	-904.14E-6	-0.20286	2.5179E-6
12.82575	41.81830	21.61000	0.16131	21.538	-0.0010488	-0.22228	2.7567E-6
15.39090	41.81830	21.61000	0.17403	21.538	-0.0012197	-0.24403	3.0239E-6
17.95605	41.81830	21.61000	0.18775	21.538	-0.0014222	-0.26842	3.3231E-6
20.52120	41.81830	21.61000	0.20246	21.538	-0.0016618	-0.29581	3.6586E-6
23.08635	41.81830	21.61000	0.21814	21.538	-0.0019448	-0.32657	4.0349E-6
25.65150	41.81830	21.61000	0.23472	21.538	-0.0022765	-0.36110	4.4568E-6
28.21665	41.81830	21.61000	0.25204	21.538	-0.0026590	-0.39977	4.9288E-6
30.78180	41.81830	21.61000	0.26986	21.538	-0.0030841	-0.44283	5.4544E-6
33.34695	41.81830	21.61000	0.28780	21.538	-0.0035176	-0.49026	6.0347E-6
35.91210	41.81830	21.61000	0.30534	21.538	-0.0038634	-0.54144	6.6656E-6
38.47725	41.81830	21.61000	0.32182	21.538	-0.0038837	-0.59464	7.3340E-6
41.04240	41.81830	21.61000	0.33646	21.538	-0.0030385	-0.64615	8.0140E-6
43.60755	41.81830	21.61000	0.34856	21.538	-236.64E-6	-0.68970	8.6676E-6
46.17270	41.81830	21.61000	0.35783	21.538	0.0062623	-0.71746	9.2621E-6
48.73785	41.81830	21.61000	0.36489	21.538	0.017871	-0.72587	9.8061E-6
51.30300	41.81830	21.61000	0.37139	21.538	0.032982	-0.72555	10.372E-6
53.86815	41.81830	21.61000	0.37895	21.538	0.046265	-0.74161	11.076E-6
56.43330	41.81830	21.61000	0.38785	21.538	0.053432	-0.79573	12.027E-6
58.99845	41.81830	21.61000	0.39730	21.538	0.054164	-0.89321	13.281E-6
61.56360	41.81830	21.61000	0.40619	21.538	0.049770	-1.0298	14.833E-6
64.12875	41.81830	21.61000	0.41319	21.538	0.040791	-1.2028	16.671E-6
66.69390	41.81830	21.61000	0.41676	21.538	0.026442	-1.4162	18.814E-6
69.25905	41.81830	21.61000	0.41539	21.538	0.0054798	-1.6770	21.304E-6
71.82420	41.81830	21.61000	0.40822	21.538	-0.022095	-1.9867	24.159E-6
74.38935	41.81830	21.61000	0.39544	21.538	-0.053664	-2.3323	27.315E-6
76.95450	41.81830	21.61000	0.37854	21.538	-0.083756	-2.6858	30.626E-6
79.51965	41.81830	21.61000	0.35954	21.538	-0.10834	-3.0218	33.925E-6
82.08480	41.81830	21.61000	0.33999	21.538	-0.12914	-3.3323	37.047E-6
84.64995	41.81830	21.61000	0.32153	21.538	-0.14873	-3.6092	39.791E-6
87.21510	41.81830	21.61000	0.30645	21.538	-0.16506	-3.8252	41.892E-6
89.78025	41.81830	21.61000	0.29656	21.538	-0.17470	-3.9492	43.088E-6
92.34540	41.81830	21.61000	0.29251	21.538	-0.17662	-3.9646	43.210E-6
94.91055	41.81830	21.61000	0.29453	21.538	-0.17110	-3.8685	42.209E-6
97.47570	41.81830	21.61000	0.30256	21.538	-0.15816	-3.6657	40.146E-6
100.04085	41.81830	21.61000	0.31548	21.538	-0.13839	-3.3718	37.194E-6
102.60600	41.81830	21.61000	0.33049	21.538	-0.11432	-3.0176	33.647E-6
105.17115	41.81830	21.61000	0.34375	21.538	-0.090222	-2.6445	29.863E-6
107.73630	41.81830	21.61000	0.35213	21.538	-0.069483	-2.2882	26.163E-6
110.30145	41.81830	21.61000	0.35425	21.538	-0.053150	-1.9686	22.759E-6
112.86660	41.81830	21.61000	0.35034	21.538	-0.040743	-1.6913	19.739E-6
115.43175	41.81830	21.61000	0.34140	21.538	-0.031394	-1.4545	17.113E-6
117.99690	41.81830	21.61000	0.32871	21.538	-0.024332	-1.2537	14.853E-6
120.56205	41.81830	21.61000	0.31345	21.538	-0.018971	-1.0837	12.917E-6
123.12720	41.81830	21.61000	0.29663	21.538	-0.014879	-0.93988	11.262E-6
125.69235	41.81830	21.61000	0.27906	21.538	-0.011741	-0.81800	9.8474E-6

128.25750	41.81830	21.61000	0.26132	21.538	-0.0093220	-0.71451	8.6368E-6
130.82265	41.81830	21.61000	0.24386	21.538	-0.0074473	-0.62641	7.5993E-6
133.38780	41.81830	21.61000	0.22698	21.538	-0.0059866	-0.55121	6.7083E-6
135.95295	41.81830	21.61000	0.21088	21.538	-0.0048421	-0.48680	5.9413E-6
138.51810	41.81830	21.61000	0.19568	21.538	-0.0039402	-0.43147	5.2792E-6
141.08325	41.81830	21.61000	0.18143	21.538	-0.0032254	-0.38377	4.7061E-6
143.64840	41.81830	21.61000	0.16815	21.538	-0.0026555	-0.34251	4.2085E-6
146.21355	41.81830	21.61000	0.15583	21.538	-0.0021986	-0.30669	3.7752E-6
148.77870	41.81830	21.61000	0.14445	21.538	-0.0018302	-0.27550	3.3967E-6
151.34385	41.81830	21.61000	0.13394	21.538	-0.0015316	-0.24824	3.0650E-6
153.90900	41.81830	21.61000	0.12427	21.538	-0.0012881	-0.22433	2.7735E-6 !
0.00000	44.27820	21.61000	0.11445	21.538	-552.18E-6	-0.14921	1.8563E-6
2.56515	44.27820	21.61000	0.12333	21.538	-636.22E-6	-0.16266	2.0222E-6
5.13030	44.27820	21.61000	0.13300	21.538	-735.26E-6	-0.17767	2.2074E-6
7.69545	44.27820	21.61000	0.14355	21.538	-852.32E-6	-0.19448	2.4144E-6
10.26060	44.27820	21.61000	0.15502	21.538	-991.11E-6	-0.21333	2.6463E-6
12.82575	44.27820	21.61000	0.16748	21.538	-0.0011561	-0.23451	2.9066E-6
15.39090	44.27820	21.61000	0.18098	21.538	-0.0013529	-0.25839	3.1995E-6
17.95605	44.27820	21.61000	0.19555	21.538	-0.0015881	-0.28533	3.5296E-6
20.52120	44.27820	21.61000	0.21120	21.538	-0.0018697	-0.31581	3.9024E-6
23.08635	44.27820	21.61000	0.22787	21.538	-0.0022064	-0.35033	4.3240E-6
25.65150	44.27820	21.61000	0.24545	21.538	-0.0026072	-0.38946	4.8010E-6
28.21665	44.27820	21.61000	0.26374	21.538	-0.0030777	-0.43374	5.3404E-6
30.78180	44.27820	21.61000	0.28238	21.538	-0.0036109	-0.48366	5.9482E-6
33.34695	44.27820	21.61000	0.30081	21.538	-0.0041627	-0.53936	6.6281E-6
35.91210	44.27820	21.61000	0.31822	21.538	-0.0045851	-0.60012	7.3766E-6
38.47725	44.27820	21.61000	0.33347	21.538	-0.0044463	-0.66328	8.1763E-6
41.04240	44.27820	21.61000	0.34512	21.538	-0.0025503	-0.72195	8.9860E-6
43.60755	44.27820	21.61000	0.35160	21.538	0.0042467	-0.76136	9.7383E-6
46.17270	44.27820	21.61000	0.35183	21.538	0.023147	-0.75607	10.385E-6
48.73785	44.27820	21.61000	0.34664	21.538	0.064784	-0.68110	11.013E-6
51.30300	44.27820	21.61000	0.34086	21.538	0.12742	-0.55407	11.779E-6
53.86815	44.27820	21.61000	0.34012	21.538	0.18290	-0.45734	12.656E-6
56.43330	44.27820	21.61000	0.34425	21.538	0.21163	-0.45825	13.752E-6
58.99845	44.27820	21.61000	0.35076	21.538	0.21923	-0.55437	15.248E-6
61.56360	44.27820	21.61000	0.35771	21.538	0.21486	-0.71848	17.147E-6
64.12875	44.27820	21.61000	0.36298	21.538	0.20145	-0.93810	19.404E-6
66.69390	44.27820	21.61000	0.36367	21.538	0.17519	-1.2259	22.034E-6
69.25905	44.27820	21.61000	0.35644	21.538	0.12877	-1.6113	25.131E-6
71.82420	44.27820	21.61000	0.33914	21.538	0.059780	-2.1132	28.841E-6
74.38935	44.27820	21.61000	0.31173	21.538	-0.027275	-2.7141	33.114E-6
76.95450	44.27820	21.61000	0.27781	21.538	-0.11005	-3.3346	37.796E-6
79.51965	44.27820	21.61000	0.24280	21.538	-0.16687	-3.9000	42.765E-6
82.08480	44.27820	21.61000	0.20833	21.538	-0.21461	-4.4333	47.672E-6
84.64995	44.27820	21.61000	0.17621	21.538	-0.27266	-4.9565	52.063E-6
87.21510	44.27820	21.61000	0.15256	21.538	-0.32521	-5.3899	55.532E-6
89.78025	44.27820	21.61000	0.14144	21.538	-0.35392	-5.6434	57.637E-6
92.34540	44.27820	21.61000	0.14227	21.538	-0.36087	-5.6955	58.031E-6

94.91055	44.27820	21.61000	0.15486	21.538	-0.35078	-5.5527	56.616E-6
97.47570	44.27820	21.61000	0.18026	21.538	-0.32262	-5.2193	53.484E-6
100.04085	44.27820	21.61000	0.21756	21.538	-0.27436	-4.7121	48.925E-6
102.60600	44.27820	21.61000	0.26087	21.538	-0.21249	-4.0922	43.461E-6
105.17115	44.27820	21.61000	0.30069	21.538	-0.15356	-3.4591	37.721E-6
107.73630	44.27820	21.61000	0.32983	21.538	-0.10877	-2.8916	32.272E-6
110.30145	44.27820	21.61000	0.34634	21.538	-0.077913	-2.4158	27.451E-6
112.86660	44.27820	21.61000	0.35166	21.538	-0.056840	-2.0261	23.344E-6
115.43175	44.27820	21.61000	0.34830	21.538	-0.042142	-1.7081	19.898E-6
117.99690	44.27820	21.61000	0.33870	21.538	-0.031652	-1.4478	17.020E-6
120.56205	44.27820	21.61000	0.32491	21.538	-0.024033	-1.2338	14.614E-6
123.12720	44.27820	21.61000	0.30852	21.538	-0.018425	-1.0569	12.600E-6
125.69235	44.27820	21.61000	0.29072	21.538	-0.014253	-0.90991	10.909E-6
128.25750	44.27820	21.61000	0.27239	21.538	-0.011121	-0.78727	9.4843E-6
130.82265	44.27820	21.61000	0.25413	21.538	-0.0087488	-0.68444	8.2801E-6
133.38780	44.27820	21.61000	0.23637	21.538	-0.0069377	-0.59780	7.2586E-6
135.95295	44.27820	21.61000	0.21937	21.538	-0.0055439	-0.52447	6.3887E-6
138.51810	44.27820	21.61000	0.20329	21.538	-0.0044629	-0.46212	5.6451E-6
141.08325	44.27820	21.61000	0.18822	21.538	-0.0036181	-0.40886	5.0070E-6
143.64840	44.27820	21.61000	0.17420	21.538	-0.0029532	-0.36317	4.4573E-6
146.21355	44.27820	21.61000	0.16120	21.538	-0.0024261	-0.32381	3.9820E-6
148.77870	44.27820	21.61000	0.14920	21.538	-0.0020055	-0.28976	3.5695E-6
151.34385	44.27820	21.61000	0.13816	21.538	-0.0016676	-0.26018	3.2102E-6
153.90900	44.27820	21.61000	0.12800	21.538	-0.0013945	-0.23439	2.8960E-6 !
0.00000	46.73810	21.61000	0.11774	21.538	-593.29E-6	-0.15503	1.9280E-6
2.56515	46.73810	21.61000	0.12703	21.538	-686.52E-6	-0.16941	2.1052E-6
5.13030	46.73810	21.61000	0.13719	21.538	-797.05E-6	-0.18552	2.3038E-6
7.69545	46.73810	21.61000	0.14828	21.538	-928.55E-6	-0.20364	2.5267E-6
10.26060	46.73810	21.61000	0.16037	21.538	-0.0010856	-0.22406	2.7777E-6
12.82575	46.73810	21.61000	0.17352	21.538	-0.0012737	-0.24713	3.0609E-6
15.39090	46.73810	21.61000	0.18779	21.538	-0.0015001	-0.27328	3.3813E-6
17.95605	46.73810	21.61000	0.20320	21.538	-0.0017734	-0.30301	3.7450E-6
20.52120	46.73810	21.61000	0.21976	21.538	-0.0021044	-0.33689	4.1586E-6
23.08635	46.73810	21.61000	0.23739	21.538	-0.0025061	-0.37560	4.6305E-6
25.65150	46.73810	21.61000	0.25595	21.538	-0.0029930	-0.41992	5.1697E-6
28.21665	46.73810	21.61000	0.27513	21.538	-0.0035785	-0.47073	5.7868E-6
30.78180	46.73810	21.61000	0.29444	21.538	-0.0042647	-0.52888	6.4924E-6
33.34695	46.73810	21.61000	0.31306	21.538	-0.0050107	-0.59496	7.2955E-6
35.91210	46.73810	21.61000	0.32975	21.538	-0.0056339	-0.66860	8.1984E-6
38.47725	46.73810	21.61000	0.34263	21.538	-0.0054852	-0.74668	9.1863E-6
41.04240	46.73810	21.61000	0.34904	21.538	-0.0023402	-0.81867	10.211E-6
43.60755	46.73810	21.61000	0.34543	21.538	0.011558	-0.85521	11.195E-6
46.17270	46.73810	21.61000	0.32769	21.538	0.062925	-0.78550	12.257E-6
48.73785	46.73810	21.61000	0.29216	21.538	0.22434	-0.49515	14.696E-6
51.30300	46.73810	21.61000	0.25064	21.538	0.54018	0.023416	20.092E-6
53.86815	46.73810	21.61000	0.23495	21.538	0.80595	0.48964	24.257E-6
56.43330	46.73810	21.61000	0.23423	21.538	0.91226	0.64302	26.340E-6
58.99845	46.73810	21.61000	0.23806	21.538	0.93974	0.56559	28.351E-6

61.56360	46.73810	21.61000	0.24408	21.538	0.93991	0.37475	30.758E-6
64.12875	46.73810	21.61000	0.24963	21.538	0.92464	0.11378	33.465E-6
66.69390	46.73810	21.61000	0.24916	21.538	0.87632	-0.25362	36.263E-6
69.25905	46.73810	21.61000	0.23425	21.538	0.74714	-0.83568	38.710E-6
71.82420	46.73810	21.61000	0.20026	21.538	0.53644	-1.7075	41.726E-6
74.38935	46.73810	21.61000	0.14460	21.538	0.22297	-2.8960	44.847E-6
76.95450	46.73810	21.61000	0.073414	21.538	-0.092234	-4.1513	48.743E-6
79.51965	46.73810	21.61000	0.0084545	21.538	-0.22715	-5.1276	55.934E-6
82.08480	46.73810	21.61000	-0.054135	21.538	-0.33643	-6.0675	63.634E-6
84.64995	46.73810	21.61000	-0.11831	21.538	-0.57950	-7.2111	68.846E-6
87.21510	46.73810	21.61000	-0.15998	21.538	-0.80104	-8.2013	72.941E-6
89.78025	46.73810	21.61000	-0.16852	21.538	-0.88745	-8.7245	76.262E-6
92.34540	46.73810	21.61000	-0.15682	21.538	-0.90409	-8.8435	77.132E-6
94.91055	46.73810	21.61000	-0.12604	21.538	-0.88513	-8.6244	75.091E-6
97.47570	46.73810	21.61000	-0.068938	21.538	-0.81879	-8.0488	70.353E-6
100.04085	46.73810	21.61000	0.017893	21.538	-0.67637	-7.0894	63.660E-6
102.60600	46.73810	21.61000	0.12232	21.538	-0.46829	-5.8615	56.065E-6
105.17115	46.73810	21.61000	0.21702	21.538	-0.28698	-4.6698	47.916E-6
107.73630	46.73810	21.61000	0.28457	21.538	-0.17749	-3.7125	40.005E-6
110.30145	46.73810	21.61000	0.32518	21.538	-0.11633	-2.9874	33.192E-6
112.86660	46.73810	21.61000	0.34511	21.538	-0.080006	-2.4358	27.623E-6
115.43175	46.73810	21.61000	0.35040	21.538	-0.056812	-2.0083	23.121E-6
117.99690	46.73810	21.61000	0.34570	21.538	-0.041235	-1.6716	19.473E-6
120.56205	46.73810	21.61000	0.33446	21.538	-0.030431	-1.4029	16.501E-6
123.12720	46.73810	21.61000	0.31914	21.538	-0.022772	-1.1862	14.063E-6
125.69235	46.73810	21.61000	0.30151	21.538	-0.017252	-1.0098	12.053E-6
128.25750	46.73810	21.61000	0.28282	21.538	-0.013219	-0.86523	10.386E-6
130.82265	46.73810	21.61000	0.26391	21.538	-0.010236	-0.74579	8.9959E-6
133.38780	46.73810	21.61000	0.24536	21.538	-0.0080049	-0.64650	7.8309E-6
135.95295	46.73810	21.61000	0.22752	21.538	-0.0063187	-0.56343	6.8495E-6
138.51810	46.73810	21.61000	0.21062	21.538	-0.0050316	-0.49352	6.0187E-6
141.08325	46.73810	21.61000	0.19477	21.538	-0.0040400	-0.43436	5.3118E-6
143.64840	46.73810	21.61000	0.18001	21.538	-0.0032693	-0.38402	4.7076E-6
146.21355	46.73810	21.61000	0.16636	21.538	-0.0026652	-0.34096	4.1888E-6
148.77870	46.73810	21.61000	0.15377	21.538	-0.0021880	-0.30396	3.7413E-6
151.34385	46.73810	21.61000	0.14219	21.538	-0.0018080	-0.27201	3.3537E-6
153.90900	46.73810	21.61000	0.13157	21.538	-0.0015034	-0.24429	3.0165E-6 !
0.00000	49.19800	21.61000	0.12089	21.538	-636.50E-6	-0.16085	1.9996E-6
2.56515	49.19800	21.61000	0.13060	21.538	-739.74E-6	-0.17618	2.1885E-6
5.13030	49.19800	21.61000	0.14123	21.538	-862.89E-6	-0.19344	2.4009E-6
7.69545	49.19800	21.61000	0.15285	21.538	-0.0010104	-0.21292	2.6405E-6
10.26060	49.19800	21.61000	0.16553	21.538	-0.0011877	-0.23499	2.9114E-6
12.82575	49.19800	21.61000	0.17936	21.538	-0.0014020	-0.26006	3.2187E-6
15.39090	49.19800	21.61000	0.19438	21.538	-0.0016621	-0.28865	3.5686E-6
17.95605	49.19800	21.61000	0.21062	21.538	-0.0019793	-0.32136	3.9681E-6
20.52120	49.19800	21.61000	0.22807	21.538	-0.0023683	-0.35894	4.4261E-6
23.08635	49.19800	21.61000	0.24663	21.538	-0.0028475	-0.40226	4.9531E-6
25.65150	49.19800	21.61000	0.26609	21.538	-0.0034401	-0.45242	5.5617E-6

28.21665	49.19800	21.61000	0.28607	21.538	-0.0041731	-0.51070	6.2672E-6
30.78180	49.19800	21.61000	0.30589	21.538	-0.0050703	-0.57858	7.0872E-6
33.34695	49.19800	21.61000	0.32441	21.538	-0.0061238	-0.65754	8.0408E-6
35.91210	49.19800	21.61000	0.33981	21.538	-0.0071855	-0.74847	9.1447E-6
38.47725	49.19800	21.61000	0.34914	21.538	-0.0075428	-0.84958	10.403E-6
41.04240	49.19800	21.61000	0.34772	21.538	-0.0041157	-0.94975	11.793E-6
43.60755	49.19800	21.61000	0.32815	21.538	0.017217	-1.0064	13.311E-6
46.17270	49.19800	21.61000	0.27823	21.538	0.12907	-0.87492	15.878E-6
48.73785	49.19800	21.61000	0.15965	21.538	0.70250	-0.28464	30.094E-6
51.30300	49.19800	21.61000	-0.30789	21.538	-14.401	-39.477	-46.876E-6
53.86815	49.19800	21.61000	-0.30006	21.538	-7.3480	-25.826	47.575E-6
56.43330	49.19800	21.61000	-0.23749	21.538	2.2039	-9.4953	202.63E-6
58.99845	49.19800	21.61000	-0.20239	21.538	3.7720	-3.3161	184.07E-6
61.56360	49.19800	21.61000	-0.16985	21.538	4.0242	-1.0386	164.94E-6
64.12875	49.19800	21.61000	-0.13799	21.538	4.0891	-0.027220	154.67E-6
66.69390	49.19800	21.61000	-0.11347	21.538	4.0570	0.37503	148.39E-6
69.25905	49.19800	21.61000	-0.11714	21.538	3.6785	0.095947	137.62E-6
71.82420	49.19800	21.61000	-0.15805	21.538	3.0401	-0.98989	127.19E-6
74.38935	49.19800	21.61000	-0.21626	21.538	1.7038	-2.6825	98.049E-6
76.95450	49.19800	21.61000	-0.37819	21.538	0.10713	-5.6484	75.101E-6
79.51965	49.19800	21.61000	-0.50034	21.538	-0.068915	-7.2738	88.905E-6
82.08480	49.19800	21.61000	-0.62444	21.538	-0.17813	-9.0570	107.22E-6
84.64995	49.19800	21.61000	-0.77221	21.538	-1.5903	-11.952	90.338E-6
87.21510	49.19800	21.61000	-0.83538	21.538	-2.7419	-14.265	75.978E-6
89.78025	49.19800	21.61000	-0.79099	21.538	-2.9338	-15.035	78.414E-6
92.34540	49.19800	21.61000	-0.75380	21.538	-2.9499	-15.224	80.190E-6
94.91055	49.19800	21.61000	-0.69529	21.538	-2.9216	-14.890	77.053E-6
97.47570	49.19800	21.61000	-0.58342	21.538	-2.7676	-13.883	70.195E-6
100.04085	49.19800	21.61000	-0.39234	21.538	-2.2693	-11.899	64.052E-6
102.60600	49.19800	21.61000	-0.14039	21.538	-1.3016	-9.0351	64.539E-6
105.17115	49.19800	21.61000	0.074336	21.538	-0.58605	-6.4978	59.626E-6
107.73630	49.19800	21.61000	0.21003	21.538	-0.29635	-4.8150	49.389E-6
110.30145	49.19800	21.61000	0.28796	21.538	-0.17481	-3.7056	40.019E-6
112.86660	49.19800	21.61000	0.32918	21.538	-0.11286	-2.9289	32.586E-6
115.43175	49.19800	21.61000	0.34680	21.538	-0.076593	-2.3584	26.779E-6
117.99690	49.19800	21.61000	0.34914	21.538	-0.053628	-1.9260	22.205E-6
120.56205	49.19800	21.61000	0.34170	21.538	-0.038412	-1.5909	18.565E-6
123.12720	49.19800	21.61000	0.32820	21.538	-0.028028	-1.3272	15.639E-6
125.69235	49.19800	21.61000	0.31121	21.538	-0.020781	-1.1170	13.268E-6
128.25750	49.19800	21.61000	0.29244	21.538	-0.015630	-0.94760	11.331E-6
130.82265	49.19800	21.61000	0.27306	21.538	-0.011910	-0.80978	9.7377E-6
133.38780	49.19800	21.61000	0.25384	21.538	-0.0091843	-0.69670	8.4180E-6
135.95295	49.19800	21.61000	0.23524	21.538	-0.0071612	-0.60318	7.3178E-6
138.51810	49.19800	21.61000	0.21757	21.538	-0.0056413	-0.52526	6.3950E-6
141.08325	49.19800	21.61000	0.20098	21.538	-0.0044866	-0.45992	5.6165E-6
143.64840	49.19800	21.61000	0.18553	21.538	-0.0036001	-0.40476	4.9560E-6
146.21355	49.19800	21.61000	0.17125	21.538	-0.0029128	-0.35791	4.3927E-6
148.77870	49.19800	21.61000	0.15809	21.538	-0.0023752	-0.31791	3.9097E-6

151.34385	49.19800	21.61000	0.14601	21.538	-0.0019510	-0.28356	3.4936E-6
153.90900	49.19800	21.61000	0.13494	21.538	-0.0016135	-0.25392	3.1335E-6 !
0.00000	51.65790	21.61000	0.12389	21.538	-681.68E-6	-0.16663	2.0705E-6
2.56515	51.65790	21.61000	0.13400	21.538	-795.78E-6	-0.18294	2.2713E-6
5.13030	51.65790	21.61000	0.14507	21.538	-932.72E-6	-0.20137	2.4980E-6
7.69545	51.65790	21.61000	0.15720	21.538	-0.0010978	-0.22227	2.7548E-6
10.26060	51.65790	21.61000	0.17047	21.538	-0.0012979	-0.24606	3.0465E-6
12.82575	51.65790	21.61000	0.18495	21.538	-0.0015414	-0.27323	3.3791E-6
15.39090	51.65790	21.61000	0.20069	21.538	-0.0018397	-0.30439	3.7599E-6
17.95605	51.65790	21.61000	0.21773	21.538	-0.0022073	-0.34029	4.1976E-6
20.52120	51.65790	21.61000	0.23602	21.538	-0.0026634	-0.38184	4.7030E-6
23.08635	51.65790	21.61000	0.25546	21.538	-0.0032337	-0.43018	5.2896E-6
25.65150	51.65790	21.61000	0.27578	21.538	-0.0039532	-0.48675	5.9742E-6
28.21665	51.65790	21.61000	0.29647	21.538	-0.0048689	-0.55341	6.7782E-6
30.78180	51.65790	21.61000	0.31665	21.538	-0.0060420	-0.63248	7.7287E-6
33.34695	51.65790	21.61000	0.33484	21.538	-0.0075394	-0.72690	8.8600E-6
35.91210	51.65790	21.61000	0.34850	21.538	-0.0093720	-0.84006	10.214E-6
38.47725	51.65790	21.61000	0.35334	21.538	-0.011175	-0.97475	11.841E-6
41.04240	51.65790	21.61000	0.34190	21.538	-0.010526	-1.1282	13.795E-6
43.60755	51.65790	21.61000	0.30041	21.538	0.0071345	-1.2706	16.253E-6
46.17270	51.65790	21.61000	0.19997	21.538	0.14208	-1.2566	21.170E-6
48.73785	51.65790	21.61000	-0.052032	21.538	1.1558	-0.72830	52.782E-6
51.30300	51.65790	21.61000	-0.80231	21.538	-12.511	-48.432	137.11E-6
53.86815	51.65790	21.61000	-0.87154	21.538	-9.6471	-46.162	216.64E-6
56.43330	51.65790	21.61000	-0.92410	21.538	-9.2161	-45.913	229.77E-6
58.99845	51.65790	21.61000	-0.96738	21.538	-9.2080	-46.317	235.17E-6
61.56360	51.65790	21.61000	-0.99243	21.538	-9.2409	-46.789	239.85E-6
64.12875	51.65790	21.61000	-0.99932	21.538	-9.2458	-47.136	244.04E-6
66.69390	51.65790	21.61000	-0.98680	21.538	-9.1240	-47.201	249.45E-6
69.25905	51.65790	21.61000	-0.96895	21.538	-8.8434	-47.087	258.60E-6
71.82420	51.65790	21.61000	-1.0311	21.538	-9.2030	-48.266	259.87E-6
74.38935	51.65790	21.61000	-1.3521	21.538	-12.971	-54.703	198.63E-6
76.95450	51.65790	21.61000	-1.6433	21.538	-17.870	-59.317	71.789E-6
79.51965	51.65790	21.61000	-1.7504	21.538	-15.860	-53.957	80.210E-6
82.08480	51.65790	21.61000	-1.8895	21.538	-16.715	-62.736	158.39E-6
84.64995	51.65790	21.61000	-2.2707	21.538	-22.523	-70.015	30.766E-6
87.21510	51.65790	21.61000	-2.4989	21.538	-26.963	-76.556	-54.505E-6
89.78025	51.65790	21.61000	-1.9900	21.538	-9.6055	-27.724	-13.748E-6
92.34540	51.65790	21.61000	-1.9232	21.538	-9.6479	-27.909	-13.017E-6
94.91055	51.65790	21.61000	-1.8254	21.538	-9.6212	-27.342	-19.143E-6
97.47570	51.65790	21.61000	-1.6249	21.538	-9.3084	-25.613	-29.091E-6
100.04085	51.65790	21.61000	-1.2241	21.538	-7.7890	-21.573	-22.563E-6
102.60600	51.65790	21.61000	-0.59279	21.538	-3.6897	-14.488	43.007E-6
105.17115	51.65790	21.61000	-0.13375	21.538	-1.1595	-9.0618	70.237E-6
107.73630	51.65790	21.61000	0.10410	21.538	-0.48318	-6.2208	60.023E-6
110.30145	51.65790	21.61000	0.23311	21.538	-0.26001	-4.5785	47.786E-6
112.86660	51.65790	21.61000	0.30284	21.538	-0.15839	-3.5086	38.160E-6
115.43175	51.65790	21.61000	0.33688	21.538	-0.10279	-2.7586	30.825E-6

117.99690	51.65790	21.61000	0.34861	21.538	-0.069376	-2.2097	25.180E-6
120.56205	51.65790	21.61000	0.34635	21.538	-0.048191	-1.7963	20.779E-6
123.12720	51.65790	21.61000	0.33550	21.538	-0.034266	-1.4784	17.305E-6
125.69235	51.65790	21.61000	0.31962	21.538	-0.024855	-1.2300	14.535E-6
128.25750	51.65790	21.61000	0.30109	21.538	-0.018348	-1.0332	12.305E-6
130.82265	51.65790	21.61000	0.28144	21.538	-0.013758	-0.87541	10.493E-6
133.38780	51.65790	21.61000	0.26168	21.538	-0.010464	-0.74760	9.0100E-6
135.95295	51.65790	21.61000	0.24242	21.538	-0.0080609	-0.64307	7.7857E-6
138.51810	51.65790	21.61000	0.22405	21.538	-0.0062833	-0.55684	6.7680E-6
141.08325	51.65790	21.61000	0.20678	21.538	-0.0049510	-0.48514	5.9163E-6
143.64840	51.65790	21.61000	0.19069	21.538	-0.0039403	-0.42507	5.1988E-6
146.21355	51.65790	21.61000	0.17581	21.538	-0.0031650	-0.37441	4.5907E-6
148.77870	51.65790	21.61000	0.16212	21.538	-0.0025642	-0.33141	4.0724E-6
151.34385	51.65790	21.61000	0.14957	21.538	-0.0020941	-0.29469	3.6282E-6
153.90900	51.65790	21.61000	0.13808	21.538	-0.0017229	-0.26315	3.2455E-6 !
0.00000	54.11780	21.61000	0.12670	21.538	-728.67E-6	-0.17232	2.1403E-6
2.56515	54.11780	21.61000	0.13718	21.538	-854.47E-6	-0.18962	2.3532E-6
5.13030	54.11780	21.61000	0.14869	21.538	-0.0010064	-0.20925	2.5944E-6
7.69545	54.11780	21.61000	0.16131	21.538	-0.0011908	-0.23161	2.8687E-6
10.26060	54.11780	21.61000	0.17512	21.538	-0.0014159	-0.25718	3.1819E-6
12.82575	54.11780	21.61000	0.19022	21.538	-0.0016922	-0.28653	3.5407E-6
15.39090	54.11780	21.61000	0.20665	21.538	-0.0020336	-0.32039	3.9538E-6
17.95605	54.11780	21.61000	0.22443	21.538	-0.0024583	-0.35964	4.4316E-6
20.52120	54.11780	21.61000	0.24353	21.538	-0.0029913	-0.40541	4.9872E-6
23.08635	54.11780	21.61000	0.26379	21.538	-0.0036671	-0.45911	5.6373E-6
25.65150	54.11780	21.61000	0.28489	21.538	-0.0045349	-0.52262	6.4035E-6
28.21665	54.11780	21.61000	0.30620	21.538	-0.0056676	-0.59841	7.3142E-6
30.78180	54.11780	21.61000	0.32666	21.538	-0.0071771	-0.68989	8.4081E-6
33.34695	54.11780	21.61000	0.34438	21.538	-0.0092434	-0.80189	9.7390E-6
35.91210	54.11780	21.61000	0.35611	21.538	-0.012163	-0.94144	11.384E-6
38.47725	54.11780	21.61000	0.35615	21.538	-0.016413	-1.1192	13.461E-6
41.04240	54.11780	21.61000	0.33393	21.538	-0.022529	-1.3518	16.155E-6
43.60755	54.11780	21.61000	0.26807	21.538	-0.029046	-1.6651	19.851E-6
46.17270	54.11780	21.61000	0.10500	21.538	-0.013205	-2.1174	26.139E-6
48.73785	54.11780	21.61000	-0.41229	21.538	0.20861	-4.2561	61.415E-6
51.30300	54.11780	21.61000	-1.3569	21.538	-16.698	-54.634	57.115E-6
53.86815	54.11780	21.61000	-1.5789	21.538	-16.250	-54.993	78.543E-6
56.43330	54.11780	21.61000	-1.7437	21.538	-16.455	-56.160	85.490E-6
58.99845	54.11780	21.61000	-1.8583	21.538	-16.736	-57.383	90.272E-6
61.56360	54.11780	21.61000	-1.9277	21.538	-16.916	-58.316	95.207E-6
64.12875	54.11780	21.61000	-1.9581	21.538	-16.970	-58.830	99.652E-6
66.69390	54.11780	21.61000	-1.9285	21.538	-16.397	-58.336	115.04E-6
69.25905	54.11780	21.61000	-1.7842	21.538	-12.964	-55.500	208.94E-6
71.82420	54.11780	21.61000	-1.7555	21.538	-10.454	-54.291	288.46E-6
74.38935	54.11780	21.61000	-2.0916	21.538	-15.234	-59.241	170.31E-6
76.95450	54.11780	21.61000	-2.5695	21.538	-21.647	-67.324	29.989E-6
79.51965	54.11780	21.61000	-2.4956	21.538	-18.457	-54.702	-8.4300E-6
82.08480	54.11780	21.61000	-2.7212	21.538	-18.667	-70.033	176.53E-6

84.64995	54.11780	21.61000	-3.2424	21.538	-26.541	-79.589	0.0
87.21510	54.11780	21.61000	-3.6790	21.538	-32.998	-88.081	-137.29E-6
89.78025	54.11780	21.61000	-3.7794	21.538	-34.186	-90.899	-146.68E-6
92.34540	54.11780	21.61000	-3.7677	21.538	-34.390	-91.544	-146.27E-6
94.91055	54.11780	21.61000	-3.6633	21.538	-34.350	-90.937	-152.40E-6
97.47570	54.11780	21.61000	-3.3878	21.538	-33.840	-88.585	-162.71E-6
100.04085	54.11780	21.61000	-2.7209	21.538	-31.318	-82.356	-145.90E-6
102.60600	54.11780	21.61000	-0.91079	21.538	-6.1888	-14.255	-54.241E-6
105.17115	54.11780	21.61000	-0.37395	21.538	-1.8862	-12.009	79.892E-6
107.73630	54.11780	21.61000	-0.030986	21.538	-0.74181	-7.8814	71.153E-6
110.30145	54.11780	21.61000	0.16005	21.538	-0.37922	-5.5989	56.123E-6
112.86660	54.11780	21.61000	0.26561	21.538	-0.22004	-4.1715	44.173E-6
115.43175	54.11780	21.61000	0.32037	21.538	-0.13673	-3.2054	35.164E-6
117.99690	54.11780	21.61000	0.34394	21.538	-0.088926	-2.5192	28.336E-6
120.56205	54.11780	21.61000	0.34826	21.538	-0.059884	-2.0156	23.097E-6
123.12720	54.11780	21.61000	0.34087	21.538	-0.041491	-1.6369	19.027E-6
125.69235	54.11780	21.61000	0.32662	21.538	-0.029448	-1.3466	15.829E-6
128.25750	54.11780	21.61000	0.30863	21.538	-0.021342	-1.1202	13.287E-6
130.82265	54.11780	21.61000	0.28892	21.538	-0.015754	-0.94135	11.248E-6
133.38780	54.11780	21.61000	0.26876	21.538	-0.011821	-0.79818	9.5952E-6
135.95295	54.11780	21.61000	0.24896	21.538	-0.0090008	-0.68233	8.2442E-6
138.51810	54.11780	21.61000	0.22998	21.538	-0.0069451	-0.58765	7.1306E-6
141.08325	54.11780	21.61000	0.21208	21.538	-0.0054240	-0.50956	6.2056E-6
143.64840	54.11780	21.61000	0.19541	21.538	-0.0042832	-0.44461	5.4316E-6
146.21355	54.11780	21.61000	0.17999	21.538	-0.0034168	-0.39018	4.7796E-6
148.77870	54.11780	21.61000	0.16581	21.538	-0.0027513	-0.34424	4.2267E-6
151.34385	54.11780	21.61000	0.15282	21.538	-0.0022347	-0.30521	3.7552E-6
153.90900	54.11780	21.61000	0.14095	21.538	-0.0018297	-0.27184	3.3507E-6 !
0.00000	56.57770	21.61000	0.12930	21.538	-777.20E-6	-0.17787	2.2083E-6
2.56515	56.57770	21.61000	0.14013	21.538	-915.54E-6	-0.19617	2.4333E-6
5.13030	56.57770	21.61000	0.15204	21.538	-0.0010837	-0.21702	2.6892E-6
7.69545	56.57770	21.61000	0.16511	21.538	-0.0012892	-0.24086	2.9814E-6
10.26060	56.57770	21.61000	0.17944	21.538	-0.0015419	-0.26825	3.3164E-6
12.82575	56.57770	21.61000	0.19511	21.538	-0.0018545	-0.29985	3.7022E-6
15.39090	56.57770	21.61000	0.21218	21.538	-0.0022441	-0.33651	4.1487E-6
17.95605	56.57770	21.61000	0.23066	21.538	-0.0027334	-0.37927	4.6681E-6
20.52120	56.57770	21.61000	0.25050	21.538	-0.0033539	-0.42945	5.2760E-6
23.08635	56.57770	21.61000	0.27151	21.538	-0.0041501	-0.48881	5.9926E-6
25.65150	56.57770	21.61000	0.29331	21.538	-0.0051874	-0.55964	6.8446E-6
28.21665	56.57770	21.61000	0.31518	21.538	-0.0065675	-0.64512	7.8678E-6
30.78180	56.57770	21.61000	0.33585	21.538	-0.0084593	-0.74979	9.1132E-6
33.34695	56.57770	21.61000	0.35308	21.538	-0.011171	-0.88052	10.656E-6
35.91210	56.57770	21.61000	0.36300	21.538	-0.015333	-1.0484	12.610E-6
38.47725	56.57770	21.61000	0.35865	21.538	-0.022457	-1.2732	15.169E-6
41.04240	56.57770	21.61000	0.32694	21.538	-0.036979	-1.5947	18.667E-6
43.60755	56.57770	21.61000	0.24089	21.538	-0.075898	-2.1097	23.675E-6
46.17270	56.57770	21.61000	0.034774	21.538	-0.22923	-3.1204	30.603E-6
48.73785	56.57770	21.61000	-0.50968	21.538	-1.0943	-6.1795	36.438E-6

51.30300	56.57770	21.61000	-1.7916	21.538	-22.168	-61.245	-66.170E-6
53.86815	56.57770	21.61000	-2.3443	21.538	-24.736	-65.235	-112.89E-6
56.43330	56.57770	21.61000	-2.6715	21.538	-23.960	-65.637	-78.532E-6
58.99845	56.57770	21.61000	-2.8970	21.538	-25.960	-69.255	-108.52E-6
61.56360	56.57770	21.61000	-3.0267	21.538	-27.818	-73.294	-127.81E-6
64.12875	56.57770	21.61000	-3.0891	21.538	-28.058	-74.668	-119.60E-6
66.69390	56.57770	21.61000	-3.0887	21.538	-27.559	-74.306	-105.33E-6
69.25905	56.57770	21.61000	-2.9926	21.538	-24.267	-70.852	-24.540E-6
71.82420	56.57770	21.61000	-3.0238	21.538	-19.486	-66.104	96.170E-6
74.38935	56.57770	21.61000	-3.3646	21.538	-25.349	-70.501	-69.782E-6
76.95450	56.57770	21.61000	-3.7919	21.538	-31.619	-81.671	-165.90E-6
79.51965	56.57770	21.61000	-3.8139	21.538	-33.389	-91.217	-112.57E-6
82.08480	56.57770	21.61000	-3.8710	21.538	-28.776	-84.837	-18.761E-6
84.64995	56.57770	21.61000	-4.1778	21.538	-32.306	-90.893	-75.811E-6
87.21510	56.57770	21.61000	-4.5095	21.538	-36.080	-96.931	-142.27E-6
89.78025	56.57770	21.61000	-4.6678	21.538	-37.154	-99.688	-148.10E-6
92.34540	56.57770	21.61000	-4.7116	21.538	-37.538	-100.62	-150.86E-6
94.91055	56.57770	21.61000	-4.6285	21.538	-37.577	-100.08	-159.13E-6
97.47570	56.57770	21.61000	-4.3190	21.538	-36.978	-97.346	-170.95E-6
100.04085	56.57770	21.61000	-3.4994	21.538	-34.119	-89.912	-156.56E-6
102.60600	56.57770	21.61000	-0.94234	21.538	-1.7980	24.229	-372.66E-6
105.17115	56.57770	21.61000	-0.66535	21.538	-2.7190	-15.167	88.188E-6
107.73630	56.57770	21.61000	-0.19931	21.538	-1.0984	-9.7668	81.413E-6
110.30145	56.57770	21.61000	0.068037	21.538	-0.54456	-6.7564	64.445E-6
112.86660	56.57770	21.61000	0.21763	21.538	-0.30169	-4.9084	50.363E-6
115.43175	56.57770	21.61000	0.29749	21.538	-0.17943	-3.6903	39.653E-6
117.99690	56.57770	21.61000	0.33527	21.538	-0.11244	-2.8476	31.580E-6
120.56205	56.57770	21.61000	0.34747	21.538	-0.073430	-2.2437	25.455E-6
123.12720	56.57770	21.61000	0.34430	21.538	-0.049604	-1.7989	20.759E-6
125.69235	56.57770	21.61000	0.33212	21.538	-0.034473	-1.4638	17.114E-6
128.25750	56.57770	21.61000	0.31498	21.538	-0.024546	-1.2067	14.253E-6
130.82265	56.57770	21.61000	0.29540	21.538	-0.017850	-1.0060	11.982E-6
133.38780	56.57770	21.61000	0.27500	21.538	-0.013223	-0.84726	10.160E-6
135.95295	56.57770	21.61000	0.25476	21.538	-0.0099576	-0.72007	8.6828E-6
138.51810	56.57770	21.61000	0.23526	21.538	-0.0076103	-0.61702	7.4750E-6
141.08325	56.57770	21.61000	0.21683	21.538	-0.0058942	-0.53267	6.4786E-6
143.64840	56.57770	21.61000	0.19964	21.538	-0.0046206	-0.46298	5.6500E-6
146.21355	56.57770	21.61000	0.18374	21.538	-0.0036624	-0.40492	4.9557E-6
148.77870	56.57770	21.61000	0.16912	21.538	-0.0029324	-0.35617	4.3700E-6
151.34385	56.57770	21.61000	0.15574	21.538	-0.0023698	-0.31495	3.8726E-6
153.90900	56.57770	21.61000	0.14351	21.538	-0.0019317	-0.27985	3.4477E-6 !
0.00000	59.03760	21.61000	0.13165	21.538	-826.94E-6	-0.18323	2.2739E-6
2.56515	59.03760	21.61000	0.14281	21.538	-978.63E-6	-0.20253	2.5109E-6
5.13030	59.03760	21.61000	0.15509	21.538	-0.0011642	-0.22459	2.7815E-6
7.69545	59.03760	21.61000	0.16857	21.538	-0.0013926	-0.24994	3.0917E-6
10.26060	59.03760	21.61000	0.18337	21.538	-0.0016755	-0.27917	3.4488E-6
12.82575	59.03760	21.61000	0.19957	21.538	-0.0020283	-0.31308	3.8620E-6
15.39090	59.03760	21.61000	0.21722	21.538	-0.0024717	-0.35260	4.3425E-6

17.95605	59.03760	21.61000	0.23633	21.538	-0.0030336	-0.39897	4.9046E-6
20.52120	59.03760	21.61000	0.25683	21.538	-0.0037531	-0.45374	5.5665E-6
23.08635	59.03760	21.61000	0.27851	21.538	-0.0046857	-0.51897	6.3519E-6
25.65150	59.03760	21.61000	0.30093	21.538	-0.0059144	-0.59741	7.2923E-6
28.21665	59.03760	21.61000	0.32328	21.538	-0.0075699	-0.69292	8.4313E-6
30.78180	59.03760	21.61000	0.34412	21.538	-0.0098745	-0.81110	9.8311E-6
33.34695	59.03760	21.61000	0.36093	21.538	-0.013248	-0.96065	11.585E-6
35.91210	59.03760	21.61000	0.36935	21.538	-0.018590	-1.1561	13.843E-6
38.47725	59.03760	21.61000	0.36156	21.538	-0.028178	-1.4244	16.856E-6
41.04240	59.03760	21.61000	0.32299	21.538	-0.049013	-1.8223	21.075E-6
43.60755	59.03760	21.61000	0.22418	21.538	-0.10833	-2.4899	27.235E-6
46.17270	59.03760	21.61000	-0.0019691	21.538	-0.34292	-3.8440	35.416E-6
48.73785	59.03760	21.61000	-0.54012	21.538	-1.5473	-7.3284	33.797E-6
51.30300	59.03760	21.61000	-1.9949	21.538	-23.580	-65.209	-69.581E-6
53.86815	59.03760	21.61000	-2.7494	21.538	-27.433	-72.484	-123.48E-6
56.43330	59.03760	21.61000	-3.2595	21.538	-30.588	-78.558	-166.13E-6
58.99845	59.03760	21.61000	-3.6130	21.538	-32.845	-83.208	-192.83E-6
61.56360	59.03760	21.61000	-3.8015	21.538	-33.496	-85.663	-186.50E-6
64.12875	59.03760	21.61000	-3.9029	21.538	-33.701	-86.990	-177.54E-6
66.69390	59.03760	21.61000	-3.9736	21.538	-33.822	-87.821	-171.67E-6
69.25905	59.03760	21.61000	-4.0739	21.538	-34.188	-88.691	-174.54E-6
71.82420	59.03760	21.61000	-4.3267	21.538	-36.276	-90.978	-224.54E-6
74.38935	59.03760	21.61000	-4.8819	21.538	-40.142	-101.25	-241.19E-6
76.95450	59.03760	21.61000	-4.9681	21.538	-41.951	-96.345	-371.23E-6
79.51965	59.03760	21.61000	-4.9328	21.538	-41.367	-94.821	-368.35E-6
82.08480	59.03760	21.61000	-4.9536	21.538	-39.323	-99.674	-230.14E-6
84.64995	59.03760	21.61000	-4.9951	21.538	-38.016	-101.41	-159.01E-6
87.21510	59.03760	21.61000	-5.1607	21.538	-38.900	-104.27	-156.43E-6
89.78025	59.03760	21.61000	-5.3335	21.538	-40.068	-106.72	-169.62E-6
92.34540	59.03760	21.61000	-5.4532	21.538	-40.949	-108.16	-184.75E-6
94.91055	59.03760	21.61000	-5.4335	21.538	-41.286	-107.97	-199.87E-6
97.47570	59.03760	21.61000	-5.1429	21.538	-40.700	-105.11	-213.80E-6
100.04085	59.03760	21.61000	-4.3189	21.538	-37.537	-97.185	-194.07E-6
102.60600	59.03760	21.61000	-2.1536	21.538	-9.8478	-18.644	-137.12E-6
105.17115	59.03760	21.61000	-1.0614	21.538	-3.9746	-18.832	86.904E-6
107.73630	59.03760	21.61000	-0.40686	21.538	-1.6262	-11.906	88.410E-6
110.30145	59.03760	21.61000	-0.042173	21.538	-0.77146	-8.0380	72.003E-6
112.86660	59.03760	21.61000	0.16029	21.538	-0.40586	-5.7017	56.411E-6
115.43175	59.03760	21.61000	0.26928	21.538	-0.23083	-4.1989	44.111E-6
117.99690	59.03760	21.61000	0.32319	21.538	-0.13950	-3.1844	34.795E-6
120.56205	59.03760	21.61000	0.34429	21.538	-0.088480	-2.4731	27.773E-6
123.12720	59.03760	21.61000	0.34590	21.538	-0.058363	-1.9591	22.443E-6
125.69235	59.03760	21.61000	0.33615	21.538	-0.039770	-1.5781	18.352E-6
128.25750	59.03760	21.61000	0.32008	21.538	-0.027855	-1.2898	15.174E-6
130.82265	59.03760	21.61000	0.30082	21.538	-0.019976	-1.0675	12.675E-6
133.38780	59.03760	21.61000	0.28031	21.538	-0.014624	-0.89348	10.688E-6
135.95295	59.03760	21.61000	0.25975	21.538	-0.010901	-0.75530	9.0904E-6
138.51810	59.03760	21.61000	0.23983	21.538	-0.0082587	-0.64422	7.7927E-6

141.08325	59.03760	21.61000	0.22095	21.538	-0.0063478	-0.55392	6.7289E-6
143.64840	59.03760	21.61000	0.20332	21.538	-0.0049432	-0.47978	5.8491E-6
146.21355	59.03760	21.61000	0.18700	21.538	-0.0038953	-0.41833	5.1156E-6
148.77870	59.03760	21.61000	0.17200	21.538	-0.0031028	-0.36697	4.4995E-6
151.34385	59.03760	21.61000	0.15827	21.538	-0.0024961	-0.32372	3.9783E-6
153.90900	59.03760	21.61000	0.14574	21.538	-0.0020264	-0.28704	3.5346E-6 !
0.00000	61.49750	21.61000	0.13375	21.538	-877.48E-6	-0.18835	2.3364E-6
2.56515	61.49750	21.61000	0.14519	21.538	-0.0010432	-0.20863	2.5852E-6
5.13030	61.49750	21.61000	0.15779	21.538	-0.0012474	-0.23190	2.8703E-6
7.69545	61.49750	21.61000	0.17165	21.538	-0.0015004	-0.25874	3.1983E-6
10.26060	61.49750	21.61000	0.18687	21.538	-0.0018162	-0.28983	3.5776E-6
12.82575	61.49750	21.61000	0.20353	21.538	-0.0022132	-0.32606	4.0183E-6
15.39090	61.49750	21.61000	0.22169	21.538	-0.0027165	-0.36850	4.5333E-6
17.95605	61.49750	21.61000	0.24135	21.538	-0.0033600	-0.41857	5.1389E-6
20.52120	61.49750	21.61000	0.26243	21.538	-0.0041915	-0.47805	5.8558E-6
23.08635	61.49750	21.61000	0.28469	21.538	-0.0052790	-0.54932	6.7113E-6
25.65150	61.49750	21.61000	0.30763	21.538	-0.0067241	-0.63558	7.7419E-6
28.21665	61.49750	21.61000	0.33037	21.538	-0.0086856	-0.74130	8.9979E-6
30.78180	61.49750	21.61000	0.35133	21.538	-0.011431	-0.87300	10.551E-6
33.34695	61.49750	21.61000	0.36780	21.538	-0.015455	-1.0408	12.510E-6
35.91210	61.49750	21.61000	0.37507	21.538	-0.021797	-1.2613	15.045E-6
38.47725	61.49750	21.61000	0.36488	21.538	-0.032981	-1.5651	18.445E-6
41.04240	61.49750	21.61000	0.32207	21.538	-0.056314	-2.0142	23.214E-6
43.60755	61.49750	21.61000	0.21698	21.538	-0.11778	-2.7530	30.188E-6
46.17270	61.49750	21.61000	-0.015654	21.538	-0.33474	-4.1752	39.892E-6
48.73785	61.49750	21.61000	-0.55757	21.538	-1.3445	-7.5778	44.588E-6
51.30300	61.49750	21.61000	-2.0098	21.538	-22.655	-65.095	-36.114E-6
53.86815	61.49750	21.61000	-2.8071	21.538	-26.321	-72.752	-78.117E-6
56.43330	61.49750	21.61000	-3.4508	21.538	-30.723	-80.834	-142.61E-6
58.99845	61.49750	21.61000	-3.9323	21.538	-34.165	-87.449	-189.27E-6
61.56360	61.49750	21.61000	-4.1832	21.538	-35.138	-90.780	-184.08E-6
64.12875	61.49750	21.61000	-4.3150	21.538	-35.441	-92.506	-173.82E-6
66.69390	61.49750	21.61000	-4.4256	21.538	-35.834	-93.930	-170.74E-6
69.25905	61.49750	21.61000	-4.6078	21.538	-37.118	-96.124	-191.59E-6
71.82420	61.49750	21.61000	-4.9364	21.538	-40.331	-99.651	-268.51E-6
74.38935	61.49750	21.61000	-5.3460	21.538	-44.548	-104.25	-369.82E-6
76.95450	61.49750	21.61000	-5.5839	21.538	-46.507	-104.32	-442.82E-6
79.51965	61.49750	21.61000	-5.7129	21.538	-46.194	-112.35	-330.00E-6
82.08480	61.49750	21.61000	-5.5319	21.538	-42.998	-106.97	-277.01E-6
84.64995	61.49750	21.61000	-5.5079	21.538	-40.932	-107.55	-191.75E-6
87.21510	61.49750	21.61000	-5.6303	21.538	-42.104	-109.63	-209.92E-6
89.78025	61.49750	21.61000	-5.7925	21.538	-44.291	-111.88	-264.03E-6
92.34540	61.49750	21.61000	-6.0922	21.538	-46.289	-114.69	-304.21E-6
94.91055	61.49750	21.61000	-6.2689	21.538	-47.216	-115.81	-325.03E-6
97.47570	61.49750	21.61000	-6.1134	21.538	-46.668	-113.54	-332.86E-6
100.04085	61.49750	21.61000	-5.3743	21.538	-42.858	-105.79	-286.65E-6
102.60600	61.49750	21.61000	-3.0666	21.538	-14.591	-32.154	-146.16E-6
105.17115	61.49750	21.61000	-1.5256	21.538	-5.9161	-22.945	65.371E-6

107.73630	61.49750	21.61000	-0.64388	21.538	-2.3686	-14.261	90.006E-6
110.30145	61.49750	21.61000	-0.16443	21.538	-1.0605	-9.3973	78.197E-6
112.86660	61.49750	21.61000	0.097244	21.538	-0.52931	-6.5171	62.010E-6
115.43175	61.49750	21.61000	0.23774	21.538	-0.28873	-4.7086	48.338E-6
117.99690	61.49750	21.61000	0.30878	21.538	-0.16886	-3.5149	37.845E-6
120.56205	61.49750	21.61000	0.33924	21.538	-0.10433	-2.6943	29.957E-6
123.12720	61.49750	21.61000	0.34590	21.538	-0.067368	-2.1111	24.015E-6
125.69235	61.49750	21.61000	0.33877	21.538	-0.045104	-1.6851	19.496E-6
128.25750	61.49750	21.61000	0.32393	21.538	-0.031129	-1.3666	16.017E-6
130.82265	61.49750	21.61000	0.30512	21.538	-0.022048	-1.1238	13.305E-6
133.38780	61.49750	21.61000	0.28464	21.538	-0.015970	-0.93538	11.164E-6
135.95295	61.49750	21.61000	0.26386	21.538	-0.011797	-0.78698	9.4551E-6
138.51810	61.49750	21.61000	0.24362	21.538	-0.0088677	-0.66851	8.0753E-6
141.08325	61.49750	21.61000	0.22439	21.538	-0.0067698	-0.57278	6.9502E-6
143.64840	61.49750	21.61000	0.20639	21.538	-0.0052408	-0.49459	6.0243E-6
146.21355	61.49750	21.61000	0.18972	21.538	-0.0041084	-0.43010	5.2556E-6
148.77870	61.49750	21.61000	0.17441	21.538	-0.0032578	-0.37641	4.6124E-6
151.34385	61.49750	21.61000	0.16039	21.538	-0.0026104	-0.33137	4.0702E-6
153.90900	61.49750	21.61000	0.14761	21.538	-0.0021117	-0.29329	3.6099E-6 !
0.00000	63.95740	21.61000	0.13555	21.538	-928.27E-6	-0.19316	2.3950E-6
2.56515	63.95740	21.61000	0.14725	21.538	-0.0011088	-0.21440	2.6553E-6
5.13030	63.95740	21.61000	0.16013	21.538	-0.0013325	-0.23885	2.9545E-6
7.69545	63.95740	21.61000	0.17431	21.538	-0.0016118	-0.26716	3.3001E-6
10.26060	63.95740	21.61000	0.18988	21.538	-0.0019632	-0.30010	3.7012E-6
12.82575	63.95740	21.61000	0.20694	21.538	-0.0024086	-0.33865	4.1693E-6
15.39090	63.95740	21.61000	0.22553	21.538	-0.0029782	-0.38404	4.7189E-6
17.95605	63.95740	21.61000	0.24566	21.538	-0.0037133	-0.43786	5.3682E-6
20.52120	63.95740	21.61000	0.26721	21.538	-0.0046718	-0.50214	6.1407E-6
23.08635	63.95740	21.61000	0.28993	21.538	-0.0059368	-0.57960	7.0674E-6
25.65150	63.95740	21.61000	0.31327	21.538	-0.0076303	-0.67386	8.1893E-6
28.21665	63.95740	21.61000	0.33628	21.538	-0.0099404	-0.78998	9.5628E-6
30.78180	63.95740	21.61000	0.35728	21.538	-0.013173	-0.93520	11.268E-6
33.34695	63.95740	21.61000	0.37340	21.538	-0.017870	-1.1205	13.422E-6
35.91210	63.95740	21.61000	0.37976	21.538	-0.025092	-1.3637	16.208E-6
38.47725	63.95740	21.61000	0.36788	21.538	-0.037199	-1.6954	19.925E-6
41.04240	63.95740	21.61000	0.32261	21.538	-0.060255	-2.1742	25.077E-6
43.60755	63.95740	21.61000	0.21519	21.538	-0.11252	-2.9232	32.527E-6
46.17270	63.95740	21.61000	-0.015056	21.538	-0.25908	-4.2364	43.517E-6
48.73785	63.95740	21.61000	-0.53294	21.538	-0.75144	-6.9935	59.619E-6
51.30300	63.95740	21.61000	-1.8912	21.538	-19.927	-62.692	36.631E-6
53.86815	63.95740	21.61000	-2.6515	21.538	-22.480	-69.612	27.331E-6
56.43330	63.95740	21.61000	-3.4220	21.538	-28.836	-79.810	-84.266E-6
58.99845	63.95740	21.61000	-4.0383	21.538	-34.124	-88.643	-172.70E-6
61.56360	63.95740	21.61000	-4.3380	21.538	-35.454	-92.711	-171.74E-6
64.12875	63.95740	21.61000	-4.4707	21.538	-35.752	-94.459	-161.00E-6
66.69390	63.95740	21.61000	-4.5640	21.538	-36.073	-95.689	-157.63E-6
69.25905	63.95740	21.61000	-4.7354	21.538	-37.400	-97.851	-180.53E-6
71.82420	63.95740	21.61000	-5.0399	21.538	-40.705	-101.36	-261.12E-6

74.38935	63.95740	21.61000	-5.2196	21.538	-44.568	-97.401	-456.68E-6
76.95450	63.95740	21.61000	-5.6349	21.538	-46.813	-105.39	-440.87E-6
79.51965	63.95740	21.61000	-5.6840	21.538	-46.121	-107.06	-393.81E-6
82.08480	63.95740	21.61000	-5.6351	21.538	-43.502	-107.96	-283.65E-6
84.64995	63.95740	21.61000	-5.7157	21.538	-42.333	-109.29	-222.76E-6
87.21510	63.95740	21.61000	-6.1598	21.538	-45.021	-118.30	-210.81E-6
89.78025	63.95740	21.61000	-6.3029	21.538	-48.261	-115.27	-371.23E-6
92.34540	63.95740	21.61000	-6.8062	21.538	-51.704	-120.24	-438.75E-6
94.91055	63.95740	21.61000	-7.0865	21.538	-53.128	-122.43	-464.86E-6
97.47570	63.95740	21.61000	-6.9360	21.538	-52.330	-120.04	-464.88E-6
100.04085	63.95740	21.61000	-6.1727	21.538	-47.522	-111.50	-390.78E-6
102.60600	63.95740	21.61000	-4.4735	21.538	-22.924	-84.299	195.35E-6
105.17115	63.95740	21.61000	-1.9990	21.538	-8.1544	-27.077	32.883E-6
107.73630	63.95740	21.61000	-0.88113	21.538	-3.2164	-16.619	87.682E-6
110.30145	63.95740	21.61000	-0.28590	21.538	-1.3774	-10.731	83.020E-6
112.86660	63.95740	21.61000	0.034432	21.538	-0.66010	-7.3006	66.931E-6
115.43175	63.95740	21.61000	0.20578	21.538	-0.34841	-5.1890	52.130E-6
117.99690	63.95740	21.61000	0.29349	21.538	-0.19842	-3.8210	40.581E-6
120.56205	63.95740	21.61000	0.33307	21.538	-0.11996	-2.8959	31.903E-6
123.12720	63.95740	21.61000	0.34467	21.538	-0.076082	-2.2477	25.405E-6
125.69235	63.95740	21.61000	0.34014	21.538	-0.050180	-1.7800	20.499E-6
128.25750	63.95740	21.61000	0.32658	21.538	-0.034197	-1.4341	16.751E-6
130.82265	63.95740	21.61000	0.30830	21.538	-0.023963	-1.1727	13.848E-6
133.38780	63.95740	21.61000	0.28793	21.538	-0.017200	-0.97149	11.572E-6
135.95295	63.95740	21.61000	0.26705	21.538	-0.012607	-0.81408	9.7654E-6
138.51810	63.95740	21.61000	0.24659	21.538	-0.0094128	-0.68915	8.3143E-6
141.08325	63.95740	21.61000	0.22709	21.538	-0.0071443	-0.58872	7.1365E-6
143.64840	63.95740	21.61000	0.20881	21.538	-0.0055028	-0.50705	6.1711E-6
146.21355	63.95740	21.61000	0.19188	21.538	-0.0042950	-0.43994	5.3725E-6
148.77870	63.95740	21.61000	0.17631	21.538	-0.0033926	-0.38429	4.7063E-6
151.34385	63.95740	21.61000	0.16207	21.538	-0.0027092	-0.33772	4.1463E-6
153.90900	63.95740	21.61000	0.14909	21.538	-0.0021850	-0.29846	3.6722E-6 !
0.00000	66.41730	21.61000	0.13705	21.538	-978.67E-6	-0.19761	2.4490E-6
2.56515	66.41730	21.61000	0.14895	21.538	-0.0011744	-0.21976	2.7203E-6
5.13030	66.41730	21.61000	0.16207	21.538	-0.0014186	-0.24535	3.0331E-6
7.69545	66.41730	21.61000	0.17651	21.538	-0.0017257	-0.27509	3.3956E-6
10.26060	66.41730	21.61000	0.19237	21.538	-0.0021151	-0.30984	3.8180E-6
12.82575	66.41730	21.61000	0.20975	21.538	-0.0026132	-0.35069	4.3131E-6
15.39090	66.41730	21.61000	0.22869	21.538	-0.0032560	-0.39902	4.8968E-6
17.95605	66.41730	21.61000	0.24917	21.538	-0.0040937	-0.45661	5.5897E-6
20.52120	66.41730	21.61000	0.27109	21.538	-0.0051970	-0.52577	6.4182E-6
23.08635	66.41730	21.61000	0.29413	21.538	-0.0066671	-0.60956	7.4167E-6
25.65150	66.41730	21.61000	0.31773	21.538	-0.0086520	-0.71205	8.6311E-6
28.21665	66.41730	21.61000	0.34085	21.538	-0.011375	-0.83885	10.124E-6
30.78180	66.41730	21.61000	0.36173	21.538	-0.015186	-0.99791	11.981E-6
33.34695	66.41730	21.61000	0.37739	21.538	-0.020668	-1.2009	14.327E-6
35.91210	66.41730	21.61000	0.38282	21.538	-0.028867	-1.4658	17.350E-6
38.47725	66.41730	21.61000	0.36945	21.538	-0.041854	-1.8221	21.343E-6

41.04240	66.41730	21.61000	0.32226	21.538	-0.064192	-2.3219	26.787E-6
43.60755	66.41730	21.61000	0.21326	21.538	-0.10697	-3.0646	34.516E-6
46.17270	66.41730	21.61000	-0.015865	21.538	-0.19815	-4.2647	46.172E-6
48.73785	66.41730	21.61000	-0.52718	21.538	-0.39589	-6.5982	68.066E-6
51.30300	66.41730	21.61000	-1.8250	21.538	-18.667	-61.241	65.932E-6
53.86815	66.41730	21.61000	-2.5459	21.538	-20.750	-67.678	68.299E-6
56.43330	66.41730	21.61000	-3.3744	21.538	-27.858	-78.879	-59.065E-6
58.99845	66.41730	21.61000	-4.0675	21.538	-33.942	-88.856	-163.17E-6
61.56360	66.41730	21.61000	-4.3816	21.538	-35.402	-93.134	-164.45E-6
64.12875	66.41730	21.61000	-4.4633	21.538	-35.348	-94.163	-149.46E-6
66.69390	66.41730	21.61000	-4.4322	21.538	-34.720	-93.695	-131.64E-6
69.25905	66.41730	21.61000	-4.5175	21.538	-35.528	-94.712	-149.33E-6
71.82420	66.41730	21.61000	-4.7467	21.538	-38.453	-97.463	-225.12E-6
74.38935	66.41730	21.61000	-4.6416	21.538	-40.411	-78.415	-538.68E-6
76.95450	66.41730	21.61000	-5.1910	21.538	-43.133	-99.901	-371.09E-6
79.51965	66.41730	21.61000	-5.2372	21.538	-42.280	-101.21	-322.46E-6
82.08480	66.41730	21.61000	-5.2144	21.538	-40.127	-101.56	-236.74E-6
84.64995	66.41730	21.61000	-5.4541	21.538	-39.984	-104.13	-199.01E-6
87.21510	66.41730	21.61000	-6.1880	21.538	-45.604	-117.26	-245.97E-6
89.78025	66.41730	21.61000	-6.9500	21.538	-52.133	-119.63	-462.64E-6
92.34540	66.41730	21.61000	-7.5864	21.538	-57.285	-126.66	-568.57E-6
94.91055	66.41730	21.61000	-7.8125	21.538	-58.970	-129.04	-602.25E-6
97.47570	66.41730	21.61000	-7.5459	21.538	-57.787	-126.01	-595.74E-6
100.04085	66.41730	21.61000	-6.6797	21.538	-52.095	-116.42	-501.46E-6
102.60600	66.41730	21.61000	-5.9335	21.538	-119.12	-271.17	-0.0010842
105.17115	66.41730	21.61000	-2.3762	21.538	-10.027	-30.645	7.1011E-6
107.73630	66.41730	21.61000	-1.0799	21.538	-3.9661	-18.687	85.398E-6
110.30145	66.41730	21.61000	-0.39132	21.538	-1.6681	-11.909	86.858E-6
112.86660	66.41730	21.61000	-0.021450	21.538	-0.78164	-7.9886	70.998E-6
115.43175	66.41730	21.61000	0.17661	21.538	-0.40378	-5.6062	55.288E-6
117.99690	66.41730	21.61000	0.27895	21.538	-0.22561	-4.0834	42.855E-6
120.56205	66.41730	21.61000	0.32659	21.538	-0.13417	-3.0663	33.511E-6
123.12720	66.41730	21.61000	0.34261	21.538	-0.083896	-2.3617	26.545E-6
125.69235	66.41730	21.61000	0.34045	21.538	-0.054670	-1.8583	21.315E-6
128.25750	66.41730	21.61000	0.32810	21.538	-0.036877	-1.4891	17.342E-6
130.82265	66.41730	21.61000	0.31037	21.538	-0.025616	-1.2122	14.283E-6
133.38780	66.41730	21.61000	0.29018	21.538	-0.018250	-1.0004	11.897E-6
135.95295	66.41730	21.61000	0.26928	21.538	-0.013291	-0.83563	10.011E-6
138.51810	66.41730	21.61000	0.24870	21.538	-0.0098697	-0.70546	8.5023E-6
141.08325	66.41730	21.61000	0.22902	21.538	-0.0074559	-0.60124	7.2823E-6
143.64840	66.41730	21.61000	0.21056	21.538	-0.0057194	-0.51679	6.2855E-6
146.21355	66.41730	21.61000	0.19344	21.538	-0.0044481	-0.44762	5.4632E-6
148.77870	66.41730	21.61000	0.17770	21.538	-0.0035027	-0.39040	4.7790E-6
151.34385	66.41730	21.61000	0.16330	21.538	-0.0027895	-0.34264	4.2051E-6
153.90900	66.41730	21.61000	0.15017	21.538	-0.0022444	-0.30245	3.7202E-6 !
0.00000	68.87720	21.61000	0.13822	21.538	-0.0010279	-0.20163	2.4978E-6
2.56515	68.87720	21.61000	0.15028	21.538	-0.0012391	-0.22464	2.7792E-6
5.13030	68.87720	21.61000	0.16358	21.538	-0.0015043	-0.25131	3.1048E-6

7.69545	68.87720	21.61000	0.17822	21.538	-0.0018405	-0.28242	3.4834E-6
10.26060	68.87720	21.61000	0.19431	21.538	-0.0022702	-0.31891	3.9263E-6
12.82575	68.87720	21.61000	0.21193	21.538	-0.0028248	-0.36200	4.4474E-6
15.39090	68.87720	21.61000	0.23111	21.538	-0.0035477	-0.41322	5.0645E-6
17.95605	68.87720	21.61000	0.25185	21.538	-0.0044999	-0.47458	5.8005E-6
20.52120	68.87720	21.61000	0.27399	21.538	-0.0057680	-0.54867	6.6847E-6
23.08635	68.87720	21.61000	0.29720	21.538	-0.0074771	-0.63893	7.7556E-6
25.65150	68.87720	21.61000	0.32088	21.538	-0.0098101	-0.74993	9.0640E-6
28.21665	68.87720	21.61000	0.34391	21.538	-0.013040	-0.88794	10.678E-6
30.78180	68.87720	21.61000	0.36444	21.538	-0.017582	-1.0616	12.692E-6
33.34695	68.87720	21.61000	0.37936	21.538	-0.024097	-1.2835	15.237E-6
35.91210	68.87720	21.61000	0.38355	21.538	-0.033671	-1.5718	18.503E-6
38.47725	68.87720	21.61000	0.36835	21.538	-0.048224	-1.9552	22.777E-6
41.04240	68.87720	21.61000	0.31875	21.538	-0.071390	-2.4808	28.514E-6
43.60755	68.87720	21.61000	0.20687	21.538	-0.11051	-3.2333	36.505E-6
46.17270	68.87720	21.61000	-0.026948	21.538	-0.18017	-4.3967	48.511E-6
48.73785	68.87720	21.61000	-0.57481	21.538	-0.30466	-6.9751	76.250E-6
51.30300	68.87720	21.61000	-1.8908	21.538	-18.431	-61.788	81.710E-6
53.86815	68.87720	21.61000	-2.4828	21.538	-20.425	-66.730	68.609E-6
56.43330	68.87720	21.61000	-3.3113	21.538	-27.621	-78.063	-60.394E-6
58.99845	68.87720	21.61000	-4.1244	21.538	-33.851	-89.353	-153.48E-6
61.56360	68.87720	21.61000	-4.4107	21.538	-35.227	-93.363	-154.95E-6
64.12875	68.87720	21.61000	-4.3418	21.538	-34.215	-92.251	-130.75E-6
66.69390	68.87720	21.61000	-4.0533	21.538	-30.194	-87.691	-36.379E-6
69.25905	68.87720	21.61000	-3.8994	21.538	-28.603	-80.720	-64.030E-6
71.82420	68.87720	21.61000	-4.0652	21.538	-31.118	-87.223	-77.117E-6
74.38935	68.87720	21.61000	-4.2002	21.538	-33.415	-88.191	-151.66E-6
76.95450	68.87720	21.61000	-4.3069	21.538	-34.024	-88.151	-175.11E-6
79.51965	68.87720	21.61000	-4.1579	21.538	-31.341	-85.686	-104.89E-6
82.08480	68.87720	21.61000	-4.1049	21.538	-27.448	-84.558	27.860E-6
84.64995	68.87720	21.61000	-4.5201	21.538	-28.009	-88.485	56.076E-6
87.21510	68.87720	21.61000	-5.6274	21.538	-37.855	-98.106	-194.49E-6
89.78025	68.87720	21.61000	-7.0470	21.538	-52.721	-118.86	-494.41E-6
92.34540	68.87720	21.61000	-7.9536	21.538	-60.124	-129.88	-635.14E-6
94.91055	68.87720	21.61000	-8.2536	21.538	-62.179	-133.55	-666.61E-6
97.47570	68.87720	21.61000	-7.9733	21.538	-60.885	-130.71	-653.52E-6
100.04085	68.87720	21.61000	-7.0335	21.538	-54.895	-120.72	-553.13E-6
102.60600	68.87720	21.61000	-5.6946	21.538	-69.551	-184.28	-306.66E-6
105.17115	68.87720	21.61000	-2.5840	21.538	-11.307	-33.190	-9.1767E-6
107.73630	68.87720	21.61000	-1.2171	21.538	-4.5223	-20.264	84.246E-6
110.30145	68.87720	21.61000	-0.47035	21.538	-1.8979	-12.825	89.716E-6
112.86660	68.87720	21.61000	-0.065203	21.538	-0.88091	-8.5251	74.001E-6
115.43175	68.87720	21.61000	0.15297	21.538	-0.44951	-5.9289	57.622E-6
117.99690	68.87720	21.61000	0.26662	21.538	-0.24803	-4.2836	44.528E-6
120.56205	68.87720	21.61000	0.32059	21.538	-0.14578	-3.1946	34.686E-6
123.12720	68.87720	21.61000	0.34014	21.538	-0.090210	-2.4463	27.370E-6
125.69235	68.87720	21.61000	0.33991	21.538	-0.058255	-1.9156	21.901E-6
128.25750	68.87720	21.61000	0.32858	21.538	-0.038991	-1.5290	17.763E-6

130.82265	68.87720	21.61000	0.31136	21.538	-0.026906	-1.2405	14.590E-6
133.38780	68.87720	21.61000	0.29138	21.538	-0.019061	-1.0209	12.124E-6
135.95295	68.87720	21.61000	0.27053	21.538	-0.013815	-0.85080	10.182E-6
138.51810	68.87720	21.61000	0.24991	21.538	-0.010217	-0.71686	8.6327E-6
141.08325	68.87720	21.61000	0.23016	21.538	-0.0076906	-0.60995	7.3830E-6
143.64840	68.87720	21.61000	0.21160	21.538	-0.0058815	-0.52354	6.3642E-6
146.21355	68.87720	21.61000	0.19438	21.538	-0.0045622	-0.45291	5.5255E-6
148.77870	68.87720	21.61000	0.17853	21.538	-0.0035843	-0.39459	4.8288E-6
151.34385	68.87720	21.61000	0.16404	21.538	-0.0028487	-0.34601	4.2453E-6
153.90900	68.87720	21.61000	0.15082	21.538	-0.0022881	-0.30518	3.7529E-6 !
0.00000	71.33710	21.61000	0.13905	21.538	-0.0010751	-0.20516	2.5404E-6
2.56515	71.33710	21.61000	0.15122	21.538	-0.0013017	-0.22896	2.8312E-6
5.13030	71.33710	21.61000	0.16464	21.538	-0.0015883	-0.25663	3.1685E-6
7.69545	71.33710	21.61000	0.17942	21.538	-0.0019542	-0.28902	3.5621E-6
10.26060	71.33710	21.61000	0.19566	21.538	-0.0024259	-0.32716	4.0242E-6
12.82575	71.33710	21.61000	0.21343	21.538	-0.0030405	-0.37239	4.5700E-6
15.39090	71.33710	21.61000	0.23276	21.538	-0.0038498	-0.42643	5.2192E-6
17.95605	71.33710	21.61000	0.25363	21.538	-0.0049283	-0.49149	5.9971E-6
20.52120	71.33710	21.61000	0.27585	21.538	-0.0063828	-0.57052	6.9363E-6
23.08635	71.33710	21.61000	0.29908	21.538	-0.0083700	-0.66737	8.0797E-6
25.65150	71.33710	21.61000	0.32263	21.538	-0.011121	-0.78724	9.4839E-6
28.21665	71.33710	21.61000	0.34531	21.538	-0.014983	-0.93720	11.225E-6
30.78180	71.33710	21.61000	0.36516	21.538	-0.020484	-1.1270	13.404E-6
33.34695	71.33710	21.61000	0.37894	21.538	-0.028439	-1.3702	16.164E-6
35.91210	71.33710	21.61000	0.38131	21.538	-0.040134	-1.6864	19.701E-6
38.47725	71.33710	21.61000	0.36345	21.538	-0.057655	-2.1048	24.303E-6
41.04240	71.33710	21.61000	0.31019	21.538	-0.084526	-2.6710	30.412E-6
43.60755	71.33710	21.61000	0.19352	21.538	-0.12702	-3.4639	38.783E-6
46.17270	71.33710	21.61000	-0.046916	21.538	-0.19641	-4.6569	51.171E-6
48.73785	71.33710	21.61000	-0.60943	21.538	-0.31212	-7.3138	80.229E-6
51.30300	71.33710	21.61000	-1.8853	21.538	-18.416	-61.456	78.105E-6
53.86815	71.33710	21.61000	-2.5323	21.538	-20.398	-67.374	77.756E-6
56.43330	71.33710	21.61000	-3.3800	21.538	-27.582	-78.855	-48.945E-6
58.99845	71.33710	21.61000	-4.1190	21.538	-33.825	-89.193	-154.52E-6
61.56360	71.33710	21.61000	-4.3551	21.538	-35.066	-92.564	-158.95E-6
64.12875	71.33710	21.61000	-4.1951	21.538	-33.300	-90.198	-122.05E-6
66.69390	71.33710	21.61000	-3.7257	21.538	-26.724	-82.525	29.588E-6
69.25905	71.33710	21.61000	-3.3788	21.538	-22.865	-76.987	105.58E-6
71.82420	71.33710	21.61000	-3.3114	21.538	-23.092	-75.947	83.915E-6
74.38935	71.33710	21.61000	-3.3473	21.538	-24.264	-76.120	41.868E-6
76.95450	71.33710	21.61000	-3.3056	21.538	-24.290	-74.971	26.434E-6
79.51965	71.33710	21.61000	-2.9422	21.538	-19.511	-67.391	111.44E-6
82.08480	71.33710	21.61000	-2.4186	21.538	21.024	15.241	601.71E-6
84.64995	71.33710	21.61000	-3.5070	21.538	-16.793	-72.493	278.19E-6
87.21510	71.33710	21.61000	-5.0779	21.538	-31.654	-89.419	-69.734E-6
89.78025	71.33710	21.61000	-6.9108	21.538	-51.615	-116.06	-487.90E-6
92.34540	71.33710	21.61000	-8.0458	21.538	-60.895	-130.53	-656.06E-6
94.91055	71.33710	21.61000	-8.4361	21.538	-63.371	-135.50	-686.97E-6

97.47570	71.33710	21.61000	-8.1743	21.538	-62.170	-133.10	-671.92E-6
100.04085	71.33710	21.61000	-7.1785	21.538	-56.258	-123.04	-575.31E-6
102.60600	71.33710	21.61000	-5.2395	21.538	-43.639	-106.36	-308.97E-6
105.17115	71.33710	21.61000	-2.6720	21.538	-12.162	-34.762	-21.684E-6
107.73630	71.33710	21.61000	-1.2978	21.538	-4.9088	-21.298	82.666E-6
110.30145	71.33710	21.61000	-0.52054	21.538	-2.0608	-13.426	91.130E-6
112.86660	71.33710	21.61000	-0.094063	21.538	-0.95179	-8.8717	75.686E-6
115.43175	71.33710	21.61000	0.13679	21.538	-0.48204	-6.1327	58.958E-6
117.99690	71.33710	21.61000	0.25768	21.538	-0.26378	-4.4069	45.484E-6
120.56205	71.33710	21.61000	0.31576	21.538	-0.15382	-3.2715	35.351E-6
123.12720	71.33710	21.61000	0.33763	21.538	-0.094511	-2.4959	27.831E-6
125.69235	71.33710	21.61000	0.33872	21.538	-0.060658	-1.9485	22.223E-6
128.25750	71.33710	21.61000	0.32813	21.538	-0.040387	-1.5513	17.992E-6
130.82265	71.33710	21.61000	0.31131	21.538	-0.027746	-1.2562	14.756E-6
133.38780	71.33710	21.61000	0.29155	21.538	-0.019582	-1.0321	12.245E-6
135.95295	71.33710	21.61000	0.27081	21.538	-0.014149	-0.85896	10.272E-6
138.51810	71.33710	21.61000	0.25024	21.538	-0.010435	-0.72293	8.7008E-6
141.08325	71.33710	21.61000	0.23049	21.538	-0.0078373	-0.61454	7.4353E-6
143.64840	71.33710	21.61000	0.21192	21.538	-0.0059820	-0.52707	6.4048E-6
146.21355	71.33710	21.61000	0.19468	21.538	-0.0046324	-0.45566	5.5575E-6
148.77870	71.33710	21.61000	0.17881	21.538	-0.0036342	-0.39677	4.8543E-6
151.34385	71.33710	21.61000	0.16429	21.538	-0.0028848	-0.34774	4.2658E-6
153.90900	71.33710	21.61000	0.15105	21.538	-0.0023145	-0.30659	3.7695E-6 !
0.00000	73.79700	21.61000	0.13952	21.538	-0.0011193	-0.20815	2.5763E-6
2.56515	73.79700	21.61000	0.15176	21.538	-0.0013609	-0.23264	2.8753E-6
5.13030	73.79700	21.61000	0.16525	21.538	-0.0016686	-0.26121	3.2231E-6
7.69545	73.79700	21.61000	0.18010	21.538	-0.0020643	-0.29476	3.6302E-6
10.26060	73.79700	21.61000	0.19640	21.538	-0.0025788	-0.33442	4.1097E-6
12.82575	73.79700	21.61000	0.21423	21.538	-0.0032555	-0.38166	4.6784E-6
15.39090	73.79700	21.61000	0.23361	21.538	-0.0041565	-0.43836	5.3578E-6
17.95605	73.79700	21.61000	0.25448	21.538	-0.0053719	-0.50701	6.1756E-6
20.52120	73.79700	21.61000	0.27665	21.538	-0.0070341	-0.59091	7.1682E-6
23.08635	73.79700	21.61000	0.29971	21.538	-0.0093407	-0.69443	8.3835E-6
25.65150	73.79700	21.61000	0.32291	21.538	-0.012590	-0.82352	9.8848E-6
28.21665	73.79700	21.61000	0.34497	21.538	-0.017240	-0.98629	11.757E-6
30.78180	73.79700	21.61000	0.36376	21.538	-0.023999	-1.1940	14.115E-6
33.34695	73.79700	21.61000	0.37583	21.538	-0.033978	-1.4623	17.113E-6
35.91210	73.79700	21.61000	0.37556	21.538	-0.048931	-1.8135	20.968E-6
38.47725	73.79700	21.61000	0.35375	21.538	-0.071648	-2.2800	25.979E-6
41.04240	73.79700	21.61000	0.29482	21.538	-0.10660	-2.9105	32.592E-6
43.60755	73.79700	21.61000	0.17053	21.538	-0.16101	-3.7854	41.544E-6
46.17270	73.79700	21.61000	-0.078867	21.538	-0.24654	-5.0738	54.524E-6
48.73785	73.79700	21.61000	-0.64499	21.538	-0.38124	-7.7956	83.681E-6
51.30300	73.79700	21.61000	-1.9175	21.538	-18.502	-61.951	81.096E-6
53.86815	73.79700	21.61000	-2.6068	21.538	-20.483	-68.095	83.624E-6
56.43330	73.79700	21.61000	-3.4584	21.538	-27.646	-79.557	-42.517E-6
58.99845	73.79700	21.61000	-4.1305	21.538	-33.893	-89.469	-153.61E-6
61.56360	73.79700	21.61000	-4.3262	21.538	-35.056	-92.410	-160.48E-6

64.12875	73.79700	21.61000	-4.1191	21.538	-33.012	-89.225	-123.43E-6
66.69390	73.79700	21.61000	-3.5418	21.538	-25.765	-79.949	33.375E-6
69.25905	73.79700	21.61000	-3.0521	21.538	-20.909	-72.390	121.56E-6
71.82420	73.79700	21.61000	-2.8143	21.538	-19.930	-67.126	92.283E-6
74.38935	73.79700	21.61000	-2.7703	21.538	-20.248	-68.687	99.904E-6
76.95450	73.79700	21.61000	-2.6744	21.538	-19.562	-68.070	118.06E-6
79.51965	73.79700	21.61000	-2.2430	21.538	-14.277	-54.485	146.61E-6
82.08480	73.79700	21.61000	-1.4008	21.538	76.348	127.48	0.0012777
84.64995	73.79700	21.61000	-2.9272	21.538	-13.189	-64.260	310.65E-6
87.21510	73.79700	21.61000	-4.6925	21.538	-29.447	-87.227	-14.014E-6
89.78025	73.79700	21.61000	-6.6858	21.538	-50.688	-113.20	-488.95E-6
92.34540	73.79700	21.61000	-7.9719	21.538	-60.847	-129.63	-665.65E-6
94.91055	73.79700	21.61000	-8.4365	21.538	-63.643	-135.56	-696.50E-6
97.47570	73.79700	21.61000	-8.2097	21.538	-62.603	-133.66	-681.23E-6
100.04085	73.79700	21.61000	-7.2307	21.538	-56.922	-123.94	-589.12E-6
102.60600	73.79700	21.61000	-5.2094	21.538	-44.374	-103.32	-374.98E-6
105.17115	73.79700	21.61000	-2.7304	21.538	-12.762	-35.596	-33.823E-6
107.73630	73.79700	21.61000	-1.3370	21.538	-5.1669	-21.795	79.188E-6
110.30145	73.79700	21.61000	-0.54272	21.538	-2.1608	-13.685	90.606E-6
112.86660	73.79700	21.61000	-0.10663	21.538	-0.99192	-9.0033	75.827E-6
115.43175	73.79700	21.61000	0.12933	21.538	-0.49917	-6.2005	59.165E-6
117.99690	73.79700	21.61000	0.25297	21.538	-0.27157	-4.4427	45.640E-6
120.56205	73.79700	21.61000	0.31258	21.538	-0.15757	-3.2908	35.453E-6
123.12720	73.79700	21.61000	0.33536	21.538	-0.096419	-2.5066	27.894E-6
125.69235	73.79700	21.61000	0.33702	21.538	-0.061676	-1.9546	22.261E-6
128.25750	73.79700	21.61000	0.32681	21.538	-0.040955	-1.5549	18.015E-6
130.82265	73.79700	21.61000	0.31027	21.538	-0.028075	-1.2582	14.769E-6
133.38780	73.79700	21.61000	0.29071	21.538	-0.019780	-1.0334	12.254E-6
135.95295	73.79700	21.61000	0.27012	21.538	-0.014271	-0.85973	10.277E-6
138.51810	73.79700	21.61000	0.24967	21.538	-0.010513	-0.72342	8.7039E-6
141.08325	73.79700	21.61000	0.23002	21.538	-0.0078884	-0.61485	7.4372E-6
143.64840	73.79700	21.61000	0.21152	21.538	-0.0060163	-0.52727	6.4061E-6
146.21355	73.79700	21.61000	0.19435	21.538	-0.0046558	-0.45580	5.5583E-6
148.77870	73.79700	21.61000	0.17853	21.538	-0.0036506	-0.39686	4.8548E-6
151.34385	73.79700	21.61000	0.16406	21.538	-0.0028964	-0.34781	4.2662E-6
153.90900	73.79700	21.61000	0.15085	21.538	-0.0023229	-0.30663	3.7698E-6 !
0.00000	76.25690	21.61000	0.13964	21.538	-0.0011594	-0.21052	2.6047E-6
2.56515	76.25690	21.61000	0.15189	21.538	-0.0014152	-0.23561	2.9106E-6
5.13030	76.25690	21.61000	0.16539	21.538	-0.0017431	-0.26495	3.2674E-6
7.69545	76.25690	21.61000	0.18024	21.538	-0.0021679	-0.29951	3.6861E-6
10.26060	76.25690	21.61000	0.19653	21.538	-0.0027247	-0.34052	4.1810E-6
12.82575	76.25690	21.61000	0.21433	21.538	-0.0034641	-0.38957	4.7701E-6
15.39090	76.25690	21.61000	0.23365	21.538	-0.0044595	-0.44873	5.4767E-6
17.95605	76.25690	21.61000	0.25440	21.538	-0.0058193	-0.52075	6.3315E-6
20.52120	76.25690	21.61000	0.27637	21.538	-0.0077068	-0.60934	7.3747E-6
23.08635	76.25690	21.61000	0.29908	21.538	-0.010371	-0.71946	8.6596E-6
25.65150	76.25690	21.61000	0.32171	21.538	-0.014201	-0.85799	10.258E-6
28.21665	76.25690	21.61000	0.34286	21.538	-0.019809	-1.0344	12.265E-6

30.78180	76.25690	21.61000	0.36018	21.538	-0.028184	-1.2620	14.813E-6
33.34695	76.25690	21.61000	0.36992	21.538	-0.040936	-1.5599	18.078E-6
35.91210	76.25690	21.61000	0.36598	21.538	-0.060726	-1.9551	22.304E-6
38.47725	76.25690	21.61000	0.33848	21.538	-0.091964	-2.4875	27.822E-6
41.04240	76.25690	21.61000	0.27095	21.538	-0.14192	-3.2161	35.103E-6
43.60755	76.25690	21.61000	0.13416	21.538	-0.22223	-4.2338	44.875E-6
46.17270	76.25690	21.61000	-0.13179	21.538	-0.34998	-5.7187	58.734E-6
48.73785	76.25690	21.61000	-0.71490	21.538	-0.54526	-8.6579	88.339E-6
51.30300	76.25690	21.61000	-2.0093	21.538	-18.732	-63.058	86.333E-6
53.86815	76.25690	21.61000	-2.7162	21.538	-20.746	-69.333	89.237E-6
56.43330	76.25690	21.61000	-3.5655	21.538	-27.895	-80.739	-37.073E-6
58.99845	76.25690	21.61000	-4.2148	21.538	-34.142	-90.445	-150.73E-6
61.56360	76.25690	21.61000	-4.3758	21.538	-35.247	-93.000	-160.29E-6
64.12875	76.25690	21.61000	-4.1206	21.538	-33.084	-89.208	-126.35E-6
66.69390	76.25690	21.61000	-3.4731	21.538	-25.620	-78.995	26.873E-6
69.25905	76.25690	21.61000	-2.9068	21.538	-20.416	-70.489	116.25E-6
71.82420	76.25690	21.61000	-2.6154	21.538	-19.224	-66.673	113.25E-6
74.38935	76.25690	21.61000	-2.4549	21.538	-18.876	-64.645	100.87E-6
76.95450	76.25690	21.61000	-2.2852	21.538	-17.799	-61.836	106.14E-6
79.51965	76.25690	21.61000	-2.1706	21.538	-13.155	-62.756	293.02E-6
82.08480	76.25690	21.61000	-2.2387	21.538	-8.0246	-63.414	494.91E-6
84.64995	76.25690	21.61000	-2.5892	21.538	-11.840	-59.870	306.34E-6
87.21510	76.25690	21.61000	-4.1229	21.538	-28.067	-78.627	-70.110E-6
89.78025	76.25690	21.61000	-6.3849	21.538	-49.753	-492.77E-6	-492.77E-6
92.34540	76.25690	21.61000	-7.7704	21.538	-60.341	-127.50	-673.32E-6
94.91055	76.25690	21.61000	-8.2811	21.538	-63.349	-134.00	-705.11E-6
97.47570	76.25690	21.61000	-8.0919	21.538	-62.473	-132.54	-690.41E-6
100.04085	76.25690	21.61000	-7.1725	21.538	-57.088	-123.36	-602.60E-6
102.60600	76.25690	21.61000	-5.4392	21.538	-44.914	-107.08	-347.97E-6
105.17115	76.25690	21.61000	-2.7760	21.538	-13.143	-35.803	-45.603E-6
107.73630	76.25690	21.61000	-1.3318	21.538	-5.3007	-21.716	73.145E-6
110.30145	76.25690	21.61000	-0.53442	21.538	-2.1943	-13.569	87.886E-6
112.86660	76.25690	21.61000	-0.10129	21.538	-0.99812	-8.9006	74.301E-6
115.43175	76.25690	21.61000	0.13157	21.538	-0.49909	-6.1216	58.174E-6
117.99690	76.25690	21.61000	0.25304	21.538	-0.27047	-4.3850	44.957E-6
120.56205	76.25690	21.61000	0.31138	21.538	-0.15659	-3.2494	34.968E-6
123.12720	76.25690	21.61000	0.33352	21.538	-0.095716	-2.4768	27.546E-6
125.69235	76.25690	21.61000	0.33493	21.538	-0.061201	-1.9330	22.007E-6
128.25750	76.25690	21.61000	0.32470	21.538	-0.040638	-1.5390	17.828E-6
130.82265	76.25690	21.61000	0.30827	21.538	-0.027863	-1.2465	14.629E-6
133.38780	76.25690	21.61000	0.28888	21.538	-0.019637	-1.0246	12.148E-6
135.95295	76.25690	21.61000	0.26848	21.538	-0.014174	-0.85302	10.196E-6
138.51810	76.25690	21.61000	0.24822	21.538	-0.010446	-0.71825	8.6415E-6
141.08325	76.25690	21.61000	0.22875	21.538	-0.0078408	-0.61083	7.3885E-6
143.64840	76.25690	21.61000	0.21042	21.538	-0.0059823	-0.52411	6.3676E-6
146.21355	76.25690	21.61000	0.19339	21.538	-0.0046313	-0.45329	5.5277E-6
148.77870	76.25690	21.61000	0.17770	21.538	-0.0036326	-0.39486	4.8303E-6
151.34385	76.25690	21.61000	0.16333	21.538	-0.0028831	-0.34619	4.2464E-6

153.90900	76.25690	21.61000	0.15023	21.538	-0.0023130	-0.30532	3.7537E-6 !
0.00000	78.71680	21.61000	0.13940	21.538	-0.0011942	-0.21224	2.6249E-6
2.56515	78.71680	21.61000	0.15160	21.538	-0.0014630	-0.23779	2.9362E-6
5.13030	78.71680	21.61000	0.16505	21.538	-0.0018096	-0.26776	3.3002E-6
7.69545	78.71680	21.61000	0.17984	21.538	-0.0022615	-0.30316	3.7284E-6
10.26060	78.71680	21.61000	0.19604	21.538	-0.0028587	-0.34530	4.2360E-6
12.82575	78.71680	21.61000	0.21372	21.538	-0.0036590	-0.39589	4.8423E-6
15.39090	78.71680	21.61000	0.23287	21.538	-0.0047479	-0.45720	5.5725E-6
17.95605	78.71680	21.61000	0.25339	21.538	-0.0062544	-0.53227	6.4600E-6
20.52120	78.71680	21.61000	0.27501	21.538	-0.0083770	-0.62519	7.5489E-6
23.08635	78.71680	21.61000	0.29722	21.538	-0.011427	-0.74164	8.8986E-6
25.65150	78.71680	21.61000	0.31909	21.538	-0.015905	-0.88950	10.590E-6
28.21665	78.71680	21.61000	0.33904	21.538	-0.022633	-1.0800	12.732E-6
30.78180	78.71680	21.61000	0.35451	21.538	-0.032996	-1.3292	15.477E-6
33.34695	78.71680	21.61000	0.36129	21.538	-0.049381	-1.6609	19.030E-6
35.91210	78.71680	21.61000	0.35259	21.538	-0.076000	-2.1100	23.675E-6
38.47725	78.71680	21.61000	0.31739	21.538	-0.12042	-2.7295	29.793E-6
41.04240	78.71680	21.61000	0.23736	21.538	-0.19635	-3.6008	37.889E-6
43.60755	78.71680	21.61000	0.080634	21.538	-0.32829	-4.8520	48.649E-6
46.17270	78.71680	21.61000	-0.21574	21.538	-0.55648	-6.7080	63.385E-6
48.73785	78.71680	21.61000	-0.83909	21.538	-0.92899	-10.163	92.788E-6
51.30300	78.71680	21.61000	-2.1834	21.538	-19.348	-65.177	89.733E-6
53.86815	78.71680	21.61000	-2.9229	21.538	-21.511	-71.801	91.446E-6
56.43330	78.71680	21.61000	-3.7691	21.538	-28.637	-83.102	-35.345E-6
58.99845	78.71680	21.61000	-4.3907	21.538	-34.820	-92.441	-151.22E-6
61.56360	78.71680	21.61000	-4.5109	21.538	-35.823	-94.507	-163.05E-6
64.12875	78.71680	21.61000	-4.2053	21.538	-33.523	-90.127	-131.38E-6
66.69390	78.71680	21.61000	-3.4985	21.538	-25.873	-79.246	20.457E-6
69.25905	78.71680	21.61000	-2.8650	21.538	-20.410	-69.873	108.72E-6
71.82420	78.71680	21.61000	-2.5135	21.538	-18.983	-65.393	106.20E-6
74.38935	78.71680	21.61000	-2.2961	21.538	-18.436	-62.762	93.756E-6
76.95450	78.71680	21.61000	-2.0839	21.538	-17.238	-59.573	98.861E-6
79.51965	78.71680	21.61000	-1.7726	21.538	-12.297	-53.390	207.57E-6
82.08480	78.71680	21.61000	-1.6331	21.538	-5.4758	-46.403	377.09E-6
84.64995	78.71680	21.61000	-2.2912	21.538	-10.979	-56.686	298.75E-6
87.21510	78.71680	21.61000	-3.9569	21.538	-26.834	-78.590	-24.066E-6
89.78025	78.71680	21.61000	-6.0528	21.538	-48.412	-106.43	-488.26E-6
92.34540	78.71680	21.61000	-7.4139	21.538	-59.160	-123.77	-675.70E-6
94.91055	78.71680	21.61000	-7.9278	21.538	-62.254	-130.39	-709.20E-6
97.47570	78.71680	21.61000	-7.7652	21.538	-61.516	-129.27	-695.41E-6
100.04085	78.71680	21.61000	-6.9094	21.538	-56.492	-120.77	-612.77E-6
102.60600	78.71680	21.61000	-5.2045	21.538	-44.818	-104.08	-382.09E-6
105.17115	78.71680	21.61000	-2.6565	21.538	-13.176	-34.614	-61.818E-6
107.73630	78.71680	21.61000	-1.2584	21.538	-5.2547	-20.927	64.951E-6
110.30145	78.71680	21.61000	-0.48912	21.538	-2.1419	-13.032	83.113E-6
112.86660	78.71680	21.61000	-0.075985	21.538	-0.96425	-8.5481	71.145E-6
115.43175	78.71680	21.61000	0.14414	21.538	-0.47998	-5.8918	56.005E-6
117.99690	78.71680	21.61000	0.25809	21.538	-0.25996	-4.2337	43.450E-6

120.56205	78.71680	21.61000	0.31222	21.538	-0.15074	-3.1479	33.912E-6
123.12720	78.71680	21.61000	0.33214	21.538	-0.092375	-2.4073	26.798E-6
125.69235	78.71680	21.61000	0.33248	21.538	-0.059235	-1.8844	21.470E-6
128.25750	78.71680	21.61000	0.32185	21.538	-0.039445	-1.5044	17.436E-6
130.82265	78.71680	21.61000	0.30536	21.538	-0.027119	-1.2213	14.341E-6
133.38780	78.71680	21.61000	0.28611	21.538	-0.019160	-1.0059	11.932E-6
135.95295	78.71680	21.61000	0.26593	21.538	-0.013860	-0.83902	10.032E-6
138.51810	78.71680	21.61000	0.24592	21.538	-0.010235	-0.70759	8.5153E-6
141.08325	78.71680	21.61000	0.22671	21.538	-0.0076962	-0.60261	7.2904E-6
143.64840	78.71680	21.61000	0.20862	21.538	-0.0058813	-0.51769	6.2906E-6
146.21355	78.71680	21.61000	0.19181	21.538	-0.0045596	-0.44822	5.4666E-6
148.77870	78.71680	21.61000	0.17633	21.538	-0.0035809	-0.39081	4.7813E-6
151.34385	78.71680	21.61000	0.16214	21.538	-0.0028453	-0.34294	4.2068E-6
153.90900	78.71680	21.61000	0.14918	21.538	-0.0022849	-0.30268	3.7215E-6 !
0.00000	81.17670	21.61000	0.13879	21.538	-0.0012227	-0.21324	2.6365E-6
2.56515	81.17670	21.61000	0.15091	21.538	-0.0015027	-0.23913	2.9516E-6
5.13030	81.17670	21.61000	0.16425	21.538	-0.0018655	-0.26955	3.3206E-6
7.69545	81.17670	21.61000	0.17890	21.538	-0.0023416	-0.30557	3.7557E-6
10.26060	81.17670	21.61000	0.19494	21.538	-0.0029753	-0.34858	4.2728E-6
12.82575	81.17670	21.61000	0.21242	21.538	-0.0038316	-0.40039	4.8924E-6
15.39090	81.17670	21.61000	0.23130	21.538	-0.0050085	-0.46346	5.6414E-6
17.95605	81.17670	21.61000	0.25148	21.538	-0.0066563	-0.54107	6.5556E-6
20.52120	81.17670	21.61000	0.27263	21.538	-0.0090115	-0.63777	7.6832E-6
23.08635	81.17670	21.61000	0.29419	21.538	-0.012455	-0.75991	9.0897E-6
25.65150	81.17670	21.61000	0.31513	21.538	-0.017618	-0.91652	10.865E-6
28.21665	81.17670	21.61000	0.33370	21.538	-0.025580	-1.1208	13.134E-6
30.78180	81.17670	21.61000	0.34701	21.538	-0.038244	-1.3922	16.071E-6
33.34695	81.17670	21.61000	0.35035	21.538	-0.059086	-1.7605	19.917E-6
35.91210	81.17670	21.61000	0.33596	21.538	-0.094699	-2.2717	25.005E-6
38.47725	81.17670	21.61000	0.29108	21.538	-0.15808	-2.9996	31.769E-6
41.04240	81.17670	21.61000	0.19426	21.538	-0.27578	-4.0644	40.722E-6
43.60755	81.17670	21.61000	0.0080106	21.538	-0.50387	-5.6693	52.304E-6
46.17270	81.17670	21.61000	-0.34011	21.538	-0.96199	-8.1815	66.619E-6
48.73785	81.17670	21.61000	-1.0490	21.538	-1.8865	-12.799	89.822E-6
51.30300	81.17670	21.61000	-2.5151	21.538	-21.303	-69.492	70.234E-6
53.86815	81.17670	21.61000	-3.3333	21.538	-24.108	-77.096	60.038E-6
56.43330	81.17670	21.61000	-4.1591	21.538	-30.934	-87.890	-61.781E-6
58.99845	81.17670	21.61000	-4.7144	21.538	-36.616	-96.175	-172.00E-6
61.56360	81.17670	21.61000	-4.7690	21.538	-37.315	-97.377	-183.27E-6
64.12875	81.17670	21.61000	-4.3946	21.538	-34.713	-92.205	-150.12E-6
66.69390	81.17670	21.61000	-3.6115	21.538	-26.672	-80.481	5.8421E-6
69.25905	81.17670	21.61000	-2.9001	21.538	-20.784	-70.278	99.706E-6
71.82420	81.17670	21.61000	-2.4844	21.538	-19.062	-65.046	98.902E-6
74.38935	81.17670	21.61000	-2.2233	21.538	-18.353	-61.965	86.871E-6
76.95450	81.17670	21.61000	-1.9816	21.538	-17.109	-58.587	91.323E-6
79.51965	81.17670	21.61000	-1.6317	21.538	-12.214	-52.339	197.46E-6
82.08480	81.17670	21.61000	-1.4460	21.538	-6.9156	-47.786	340.16E-6
84.64995	81.17670	21.61000	-2.0177	21.538	-10.339	-54.178	291.36E-6

87.21510	81.17670	21.61000	-3.6263	21.538	-25.174	-75.264	-3.2411E-6
89.78025	81.17670	21.61000	-5.5498	21.538	-45.937	-101.07	-462.23E-6
92.34540	81.17670	21.61000	-6.7940	21.538	-56.334	-117.30	-650.39E-6
94.91055	81.17670	21.61000	-7.2518	21.538	-59.261	-123.47	-683.25E-6
97.47570	81.17670	21.61000	-7.0927	21.538	-58.578	-122.53	-669.38E-6
100.04085	81.17670	21.61000	-6.3152	21.538	-54.040	-114.93	-593.63E-6
102.60600	81.17670	21.61000	-4.7601	21.538	-43.336	-99.780	-380.28E-6
105.17115	81.17670	21.61000	-2.3867	21.538	-12.456	-31.909	-68.658E-6
107.73630	81.17670	21.61000	-1.0994	21.538	-4.8941	-19.257	57.550E-6
110.30145	81.17670	21.61000	-0.40132	21.538	-1.9695	-12.031	77.025E-6
112.86660	81.17670	21.61000	-0.029890	21.538	-0.88330	-7.9436	66.595E-6
115.43175	81.17670	21.61000	0.16675	21.538	-0.44091	-5.5178	52.774E-6
117.99690	81.17670	21.61000	0.26775	21.538	-0.24024	-3.9953	41.195E-6
120.56205	81.17670	21.61000	0.31486	21.538	-0.14030	-2.9914	32.337E-6
123.12720	81.17670	21.61000	0.33110	21.538	-0.086594	-2.3015	25.686E-6
125.69235	81.17670	21.61000	0.32964	21.538	-0.055899	-1.8111	20.675E-6
128.25750	81.17670	21.61000	0.31824	21.538	-0.037449	-1.4524	16.858E-6
130.82265	81.17670	21.61000	0.30156	21.538	-0.025884	-1.1837	13.914E-6
133.38780	81.17670	21.61000	0.28242	21.538	-0.018373	-0.97822	11.613E-6
135.95295	81.17670	21.61000	0.26250	21.538	-0.013346	-0.81826	9.7901E-6
138.51810	81.17670	21.61000	0.24281	21.538	-0.0098907	-0.69179	8.3295E-6
141.08325	81.17670	21.61000	0.22393	21.538	-0.0074611	-0.59042	7.1460E-6
143.64840	81.17670	21.61000	0.20616	21.538	-0.0057175	-0.50817	6.1771E-6
146.21355	81.17670	21.61000	0.18965	21.538	-0.0044434	-0.44070	5.3764E-6
148.77870	81.17670	21.61000	0.17443	21.538	-0.0034972	-0.38482	4.7091E-6
151.34385	81.17670	21.61000	0.16048	21.538	-0.0027841	-0.33811	4.1484E-6
153.90900	81.17670	21.61000	0.14774	21.538	-0.0022396	-0.29875	3.6738E-6 !
0.00000	83.63660	21.61000	0.13784	21.538	-0.0012438	-0.21351	2.6390E-6
2.56515	83.63660	21.61000	0.14981	21.538	-0.0015326	-0.23957	2.9560E-6
5.13030	83.63660	21.61000	0.16298	21.538	-0.0019086	-0.27025	3.3277E-6
7.69545	83.63660	21.61000	0.17744	21.538	-0.0024046	-0.30665	3.7669E-6
10.26060	83.63660	21.61000	0.19324	21.538	-0.0030688	-0.35021	4.2899E-6
12.82575	83.63660	21.61000	0.21043	21.538	-0.0039731	-0.40286	4.9181E-6
15.39090	83.63660	21.61000	0.22897	21.538	-0.0052268	-0.46717	5.6799E-6
17.95605	83.63660	21.61000	0.24870	21.538	-0.0070010	-0.54669	6.6132E-6
20.52120	83.63660	21.61000	0.26929	21.538	-0.0095695	-0.64633	7.7698E-6
23.08635	83.63660	21.61000	0.29010	21.538	-0.013385	-0.77311	9.2207E-6
25.65150	83.63660	21.61000	0.31000	21.538	-0.019218	-0.93720	11.065E-6
28.21665	83.63660	21.61000	0.32708	21.538	-0.028432	-1.1538	13.442E-6
30.78180	83.63660	21.61000	0.33813	21.538	-0.043540	-1.4461	16.549E-6
33.34695	83.63660	21.61000	0.33783	21.538	-0.069380	-1.8508	20.665E-6
35.91210	83.63660	21.61000	0.31730	21.538	-0.11576	-2.4276	26.170E-6
38.47725	83.63660	21.61000	0.26151	21.538	-0.20374	-3.2775	33.542E-6
41.04240	83.63660	21.61000	0.14451	21.538	-0.38144	-4.5780	43.196E-6
43.60755	83.63660	21.61000	-0.080327	21.538	-0.76686	-6.6559	54.791E-6
46.17270	83.63660	21.61000	-0.50377	21.538	-1.6743	-10.159	64.607E-6
48.73785	83.63660	21.61000	-1.3590	21.538	-4.0343	-16.911	60.485E-6
51.30300	83.63660	21.61000	-3.0935	21.538	-27.200	-77.570	-50.688E-6

53.86815	83.63660	21.61000	-4.0913	21.538	-32.375	-87.525	-120.79E-6
56.43330	83.63660	21.61000	-4.8348	21.538	-37.388	-96.505	-196.97E-6
58.99845	83.63660	21.61000	-5.2330	21.538	-40.855	-102.09	-257.61E-6
61.56360	83.63660	21.61000	-5.1824	21.538	-40.814	-101.83	-259.32E-6
64.12875	83.63660	21.61000	-4.7093	21.538	-37.528	-95.556	-214.21E-6
66.69390	83.63660	21.61000	-3.8156	21.538	-28.544	-82.722	-36.625E-6
69.25905	83.63660	21.61000	-2.9950	21.538	-21.692	-71.388	79.419E-6
71.82420	83.63660	21.61000	-2.4997	21.538	-19.390	-65.303	89.715E-6
74.38935	83.63660	21.61000	-2.1963	21.538	-18.461	-61.814	80.908E-6
76.95450	83.63660	21.61000	-1.9483	21.538	-17.310	-58.587	83.737E-6
79.51965	83.63660	21.61000	-1.6286	21.538	-13.089	-53.221	175.54E-6
82.08480	83.63660	21.61000	-1.4543	21.538	-8.4301	-49.334	302.48E-6
84.64995	83.63660	21.61000	-1.9143	21.538	-11.048	-54.701	271.20E-6
87.21510	83.63660	21.61000	-3.1812	21.538	-23.208	-71.579	24.589E-6
89.78025	83.63660	21.61000	-4.7550	21.538	-40.793	-93.047	-369.01E-6
92.34540	83.63660	21.61000	-5.7441	21.538	-49.545	-106.45	-530.72E-6
94.91055	83.63660	21.61000	-6.0474	21.538	-51.809	-111.30	-555.10E-6
97.47570	83.63660	21.61000	-5.8379	21.538	-51.032	-110.23	-539.22E-6
100.04085	83.63660	21.61000	-5.1442	21.538	-47.236	-103.83	-476.58E-6
102.60600	83.63660	21.61000	-3.9117	21.538	-38.641	-91.843	-302.93E-6
105.17115	83.63660	21.61000	-1.9100	21.538	-10.238	-27.136	-45.009E-6
107.73630	83.63660	21.61000	-0.84519	21.538	-4.0534	-16.606	55.934E-6
110.30145	83.63660	21.61000	-0.27269	21.538	-1.6541	-10.584	70.722E-6
112.86660	83.63660	21.61000	0.034266	21.538	-0.75529	-7.1180	61.041E-6
115.43175	83.63660	21.61000	0.19749	21.538	-0.38394	-5.0229	48.699E-6
117.99690	83.63660	21.61000	0.28088	21.538	-0.21272	-3.6851	38.331E-6
120.56205	83.63660	21.61000	0.31869	21.538	-0.12607	-2.7894	30.333E-6
123.12720	83.63660	21.61000	0.33010	21.538	-0.078812	-2.1656	24.269E-6
125.69235	83.63660	21.61000	0.32627	21.538	-0.051437	-1.7171	19.660E-6
128.25750	83.63660	21.61000	0.31385	21.538	-0.034785	-1.3857	16.120E-6
130.82265	83.63660	21.61000	0.29689	21.538	-0.024237	-1.1354	13.369E-6
133.38780	83.63660	21.61000	0.27785	21.538	-0.017324	-0.94255	11.204E-6
135.95295	83.63660	21.61000	0.25823	21.538	-0.012659	-0.79148	9.4792E-6
138.51810	83.63660	21.61000	0.23893	21.538	-0.0094304	-0.67138	8.0902E-6
141.08325	83.63660	21.61000	0.22045	21.538	-0.0071459	-0.57465	6.9595E-6
143.64840	83.63660	21.61000	0.20308	21.538	-0.0054975	-0.49584	6.0302E-6
146.21355	83.63660	21.61000	0.18694	21.538	-0.0042872	-0.43095	5.2596E-6
148.77870	83.63660	21.61000	0.17205	21.538	-0.0033845	-0.37702	4.6152E-6
151.34385	83.63660	21.61000	0.15839	21.538	-0.0027016	-0.33182	4.0724E-6
153.90900	83.63660	21.61000	0.14591	21.538	-0.0021785	-0.29363	3.6117E-6 !
0.00000	86.09650	21.61000	0.13654	21.538	-0.0012566	-0.21300	2.6322E-6
2.56515	86.09650	21.61000	0.14832	21.538	-0.0015515	-0.23908	2.9491E-6
5.13030	86.09650	21.61000	0.16127	21.538	-0.0019368	-0.26980	3.3211E-6
7.69545	86.09650	21.61000	0.17547	21.538	-0.0024472	-0.30631	3.7611E-6
10.26060	86.09650	21.61000	0.19097	21.538	-0.0031340	-0.35009	4.2858E-6
12.82575	86.09650	21.61000	0.20780	21.538	-0.0040746	-0.40311	4.9174E-6
15.39090	86.09650	21.61000	0.22591	21.538	-0.0053882	-0.46806	5.6849E-6
17.95605	86.09650	21.61000	0.24512	21.538	-0.0072632	-0.54867	6.6282E-6

20.52120	86.09650	21.61000	0.26506	21.538	-0.010007	-0.65015	7.8013E-6
23.08635	86.09650	21.61000	0.28506	21.538	-0.014136	-0.78007	9.2799E-6
25.65150	86.09650	21.61000	0.30391	21.538	-0.020552	-0.94957	11.170E-6
28.21665	86.09650	21.61000	0.31953	21.538	-0.030899	-1.1757	13.624E-6
30.78180	86.09650	21.61000	0.32844	21.538	-0.048311	-1.4850	16.859E-6
33.34695	86.09650	21.61000	0.32476	21.538	-0.079100	-1.9212	21.184E-6
35.91210	86.09650	21.61000	0.29846	21.538	-0.13679	-2.5583	27.021E-6
38.47725	86.09650	21.61000	0.23208	21.538	-0.25243	-3.5276	34.850E-6
41.04240	86.09650	21.61000	0.094396	21.538	-0.50330	-5.0740	44.836E-6
43.60755	86.09650	21.61000	-0.17259	21.538	-1.0989	-7.6770	55.107E-6
46.17270	86.09650	21.61000	-0.68190	21.538	-2.6529	-12.317	54.826E-6
48.73785	86.09650	21.61000	-1.6721	21.538	-6.9659	-21.116	2.7492E-6
51.30300	86.09650	21.61000	-3.6922	21.538	-34.305	-85.501	-219.06E-6
53.86815	86.09650	21.61000	-4.9261	21.538	-42.304	-97.987	-363.88E-6
56.43330	86.09650	21.61000	-5.5840	21.538	-45.734	-105.08	-404.11E-6
58.99845	86.09650	21.61000	-5.8111	21.538	-46.898	-107.80	-413.83E-6
61.56360	86.09650	21.61000	-5.6449	21.538	-45.929	-105.96	-400.40E-6
64.12875	86.09650	21.61000	-5.0617	21.538	-41.643	-98.627	-330.88E-6
66.69390	86.09650	21.61000	-4.0570	21.538	-31.607	-85.195	-121.08E-6
69.25905	86.09650	21.61000	-3.1097	21.538	-23.259	-72.886	39.136E-6
71.82420	86.09650	21.61000	-2.5178	21.538	-19.925	-65.816	76.004E-6
74.38935	86.09650	21.61000	-2.1740	21.538	-18.674	-61.957	74.671E-6
76.95450	86.09650	21.61000	-1.9437	21.538	-17.824	-59.260	72.820E-6
79.51965	86.09650	21.61000	-1.7362	21.538	-15.896	-56.263	107.88E-6
82.08480	86.09650	21.61000	-1.6547	21.538	-14.084	-54.766	157.41E-6
84.64995	86.09650	21.61000	-1.9413	21.538	-15.821	-58.614	140.27E-6
87.21510	86.09650	21.61000	-2.6334	21.538	-22.507	-66.625	-11.262E-6
89.78025	86.09650	21.61000	-3.9085	21.538	-62.567	-160.92	-336.86E-6
92.34540	86.09650	21.61000	-4.1089	21.538	-22.335	-72.817	73.123E-6
94.91055	86.09650	21.61000	-3.9138	21.538	-21.260	-51.245	-157.71E-6
97.47570	86.09650	21.61000	-3.4481	21.538	-20.157	-40.495	-251.31E-6
100.04085	86.09650	21.61000	-2.7806	21.538	-17.549	-33.126	-245.56E-6
102.60600	86.09650	21.61000	-1.9042	21.538	-12.466	-24.019	-168.30E-6
105.17115	86.09650	21.61000	-1.2012	21.538	-6.5369	-20.344	9.2246E-6
107.73630	86.09650	21.61000	-0.52471	21.538	-2.8189	-13.269	60.534E-6
110.30145	86.09650	21.61000	-0.11944	21.538	-1.2382	-8.8488	64.590E-6
112.86660	86.09650	21.61000	0.10857	21.538	-0.59690	-6.1517	54.862E-6
115.43175	86.09650	21.61000	0.23248	21.538	-0.31575	-4.4493	44.056E-6
117.99690	86.09650	21.61000	0.29558	21.538	-0.18029	-3.3264	35.042E-6
120.56205	86.09650	21.61000	0.32278	21.538	-0.10939	-2.5553	28.018E-6
123.12720	86.09650	21.61000	0.32872	21.538	-0.069686	-2.0076	22.625E-6
125.69235	86.09650	21.61000	0.32220	21.538	-0.046187	-1.6072	18.476E-6
128.25750	86.09650	21.61000	0.30863	21.538	-0.031637	-1.3075	15.254E-6
130.82265	86.09650	21.61000	0.29135	21.538	-0.022282	-1.0784	12.726E-6
133.38780	86.09650	21.61000	0.27245	21.538	-0.016072	-0.90033	10.720E-6
135.95295	86.09650	21.61000	0.25318	21.538	-0.011835	-0.75966	9.1100E-6
138.51810	86.09650	21.61000	0.23433	21.538	-0.0088759	-0.64704	7.8049E-6
141.08325	86.09650	21.61000	0.21633	21.538	-0.0067647	-0.55578	6.7365E-6

143.64840	86.09650	21.61000	0.19942	21.538	-0.0052304	-0.48103	5.8540E-6
146.21355	86.09650	21.61000	0.18370	21.538	-0.0040968	-0.41920	5.1190E-6
148.77870	86.09650	21.61000	0.16920	21.538	-0.0032467	-0.36761	4.5020E-6
151.34385	86.09650	21.61000	0.15589	21.538	-0.0026005	-0.32420	3.9804E-6
153.90900	86.09650	21.61000	0.14372	21.538	-0.0021032	-0.28742	3.5365E-6 !
0.00000	88.55640	21.61000	0.13490	21.538	-0.0012604	-0.21172	2.6159E-6
2.56515	88.55640	21.61000	0.14646	21.538	-0.0015583	-0.23763	2.9306E-6
5.13030	88.55640	21.61000	0.15914	21.538	-0.0019484	-0.26819	3.3003E-6
7.69545	88.55640	21.61000	0.17302	21.538	-0.0024666	-0.30452	3.7378E-6
10.26060	88.55640	21.61000	0.18816	21.538	-0.0031664	-0.34812	4.2599E-6
12.82575	88.55640	21.61000	0.20456	21.538	-0.0041289	-0.40100	4.8889E-6
15.39090	88.55640	21.61000	0.22217	21.538	-0.0054797	-0.46591	5.6544E-6
17.95605	88.55640	21.61000	0.24080	21.538	-0.0074201	-0.54665	6.5969E-6
20.52120	88.55640	21.61000	0.26006	21.538	-0.010281	-0.64864	7.7720E-6
23.08635	88.55640	21.61000	0.27924	21.538	-0.014629	-0.77976	9.2574E-6
25.65150	88.55640	21.61000	0.29707	21.538	-0.021467	-0.95184	11.164E-6
28.21665	88.55640	21.61000	0.31141	21.538	-0.032664	-1.1831	13.651E-6
30.78180	88.55640	21.61000	0.31858	21.538	-0.051876	-1.5030	16.950E-6
33.34695	88.55640	21.61000	0.31230	21.538	-0.086717	-1.9604	21.389E-6
35.91210	88.55640	21.61000	0.28167	21.538	-0.15417	-2.6412	27.408E-6
38.47725	88.55640	21.61000	0.20722	21.538	-0.29521	-3.7035	35.449E-6
41.04240	88.55640	21.61000	0.053005	21.538	-0.61779	-5.4542	45.299E-6
43.60755	88.55640	21.61000	-0.24973	21.538	-1.4310	-8.5144	53.107E-6
46.17270	88.55640	21.61000	-0.83439	21.538	-3.6557	-14.132	39.821E-6
48.73785	88.55640	21.61000	-1.9475	21.538	-9.5993	-24.483	-54.279E-6
51.30300	88.55640	21.61000	-4.1126	21.538	-38.465	-90.003	-319.43E-6
53.86815	88.55640	21.61000	-5.4448	21.538	-47.643	-102.98	-502.57E-6
56.43330	88.55640	21.61000	-6.0322	21.538	-50.979	-109.01	-552.65E-6
58.99845	88.55640	21.61000	-6.1326	21.538	-51.195	-110.06	-547.58E-6
61.56360	88.55640	21.61000	-5.8720	21.538	-49.551	-107.09	-522.87E-6
64.12875	88.55640	21.61000	-5.2185	21.538	-44.695	-99.328	-437.26E-6
66.69390	88.55640	21.61000	-4.1734	21.538	-34.637	-86.487	-219.18E-6
69.25905	88.55640	21.61000	-3.1401	21.538	-24.963	-73.894	-12.514E-6
71.82420	88.55640	21.61000	-2.4701	21.538	-20.447	-66.062	59.392E-6
74.38935	88.55640	21.61000	-2.0993	21.538	-18.862	-61.967	67.705E-6
76.95450	88.55640	21.61000	-1.8882	21.538	-18.230	-59.756	63.726E-6
79.51965	88.55640	21.61000	-1.7589	21.538	-17.799	-58.507	64.271E-6
82.08480	88.55640	21.61000	-1.7043	21.538	-17.739	-58.549	67.099E-6
84.64995	88.55640	21.61000	-1.7674	21.538	-18.740	-60.754	57.031E-6
87.21510	88.55640	21.61000	-2.0202	21.538	-21.261	-65.772	25.035E-6
89.78025	88.55640	21.61000	-1.7587	21.538	-6.7445	-21.470	15.560E-6
92.34540	88.55640	21.61000	-1.8625	21.538	-8.8392	-24.901	-20.343E-6
94.91055	88.55640	21.61000	-1.9017	21.538	-9.4210	-26.609	-20.810E-6
97.47570	88.55640	21.61000	-1.7643	21.538	-9.0104	-25.973	-13.317E-6
100.04085	88.55640	21.61000	-1.4626	21.538	-7.7690	-23.292	0.0
102.60600	88.55640	21.61000	-1.0397	21.538	-5.6646	-18.976	24.936E-6
105.17115	88.55640	21.61000	-0.59252	21.538	-3.3080	-14.117	52.749E-6
107.73630	88.55640	21.61000	-0.22090	21.538	-1.6716	-10.006	62.791E-6

110.30145	88.55640	21.61000	0.029960	21.538	-0.83389	-7.1018	57.870E-6
112.86660	88.55640	21.61000	0.18164	21.538	-0.43858	-5.1589	48.347E-6
115.43175	88.55640	21.61000	0.26670	21.538	-0.24624	-3.8505	39.146E-6
117.99690	88.55640	21.61000	0.30951	21.538	-0.14670	-2.9467	31.534E-6
120.56205	88.55640	21.61000	0.32602	21.538	-0.091878	-2.3047	25.526E-6
123.12720	88.55640	21.61000	0.32643	21.538	-0.059981	-1.8365	20.840E-6
125.69235	88.55640	21.61000	0.31722	21.538	-0.040539	-1.4872	17.179E-6
128.25750	88.55640	21.61000	0.30252	21.538	-0.028213	-1.2213	14.299E-6
130.82265	88.55640	21.61000	0.28497	21.538	-0.020134	-1.0152	12.012E-6
133.38780	88.55640	21.61000	0.26625	21.538	-0.014685	-0.85316	10.179E-6
135.95295	88.55640	21.61000	0.24741	21.538	-0.010916	-0.72389	8.6947E-6
138.51810	88.55640	21.61000	0.22907	21.538	-0.0082524	-0.61953	7.4823E-6
141.08325	88.55640	21.61000	0.21161	21.538	-0.0063333	-0.53435	6.4832E-6
143.64840	88.55640	21.61000	0.19522	21.538	-0.0049264	-0.46414	5.6531E-6
146.21355	88.55640	21.61000	0.17999	21.538	-0.0038791	-0.40575	4.9580E-6
148.77870	88.55640	21.61000	0.16594	21.538	-0.0030884	-0.35679	4.3719E-6
151.34385	88.55640	21.61000	0.15303	21.538	-0.0024838	-0.31543	3.8744E-6
153.90900	88.55640	21.61000	0.14120	21.538	-0.0020161	-0.28025	3.4495E-6 !
0.00000	91.01630	21.61000	0.13296	21.538	-0.0012549	-0.20965	2.5901E-6
2.56515	91.01630	21.61000	0.14424	21.538	-0.0015524	-0.23523	2.9007E-6
5.13030	91.01630	21.61000	0.15661	21.538	-0.0019423	-0.26539	3.2653E-6
7.69545	91.01630	21.61000	0.17013	21.538	-0.0024611	-0.30124	3.6968E-6
10.26060	91.01630	21.61000	0.18484	21.538	-0.0031631	-0.34428	4.2117E-6
12.82575	91.01630	21.61000	0.20077	21.538	-0.0041305	-0.39650	4.8321E-6
15.39090	91.01630	21.61000	0.21782	21.538	-0.0054922	-0.46062	5.5874E-6
17.95605	91.01630	21.61000	0.23582	21.538	-0.0074548	-0.54045	6.5176E-6
20.52120	91.01630	21.61000	0.25437	21.538	-0.010361	-0.64143	7.6783E-6
23.08635	91.01630	21.61000	0.27275	21.538	-0.014801	-0.77153	9.1473E-6
25.65150	91.01630	21.61000	0.28969	21.538	-0.021832	-0.94274	11.036E-6
28.21665	91.01630	21.61000	0.30305	21.538	-0.033445	-1.1738	13.505E-6
30.78180	91.01630	21.61000	0.30910	21.538	-0.053601	-1.4952	16.787E-6
33.34695	91.01630	21.61000	0.30150	21.538	-0.090705	-1.9585	21.215E-6
35.91210	91.01630	21.61000	0.26902	21.538	-0.16398	-2.6556	27.219E-6
38.47725	91.01630	21.61000	0.19133	21.538	-0.32134	-3.7599	35.172E-6
41.04240	91.01630	21.61000	0.029979	21.538	-0.69380	-5.6165	44.471E-6
43.60755	91.01630	21.61000	-0.29039	21.538	-1.6705	-8.9384	49.402E-6
46.17270	91.01630	21.61000	-0.91653	21.538	-4.4185	-15.146	23.779E-6
48.73785	91.01630	21.61000	-2.0993	21.538	-11.583	-26.408	-104.94E-6
51.30300	91.01630	21.61000	-4.3079	21.538	-41.570	-92.307	-407.64E-6
53.86815	91.01630	21.61000	-5.5933	21.538	-50.765	-104.62	-599.82E-6
56.43330	91.01630	21.61000	-6.0139	21.538	-52.888	-108.87	-626.39E-6
58.99845	91.01630	21.61000	-5.9072	21.538	-51.419	-107.82	-584.12E-6
61.56360	91.01630	21.61000	-5.5328	21.538	-48.986	-103.79	-543.10E-6
64.12875	91.01630	21.61000	-4.8789	21.538	-44.380	-96.346	-462.89E-6
66.69390	91.01630	21.61000	-3.9002	21.538	-35.163	-84.808	-260.19E-6
69.25905	91.01630	21.61000	-2.9078	21.538	-25.411	-73.008	-40.575E-6
71.82420	91.01630	21.61000	-2.2509	21.538	-20.564	-65.378	46.360E-6
74.38935	91.01630	21.61000	-1.8911	21.538	-18.898	-61.436	59.636E-6

76.95450	91.01630	21.61000	-1.6961	21.538	-18.344	-59.520	56.471E-6
79.51965	91.01630	21.61000	-1.5815	21.538	-18.178	-58.752	53.062E-6
82.08480	91.01630	21.61000	-1.4620	21.538	-18.278	-58.772	49.538E-6
84.64995	91.01630	21.61000	-0.81266	21.538	-0.93437	-9.5982	85.483E-6
87.21510	91.01630	21.61000	-0.75510	21.538	-1.7825	-11.306	74.959E-6
89.78025	91.01630	21.61000	-0.76215	21.538	-2.7877	-13.389	63.231E-6
92.34540	91.01630	21.61000	-0.80373	21.538	-3.5072	-15.246	59.432E-6
94.91055	91.01630	21.61000	-0.82158	21.538	-3.7596	-16.132	61.052E-6
97.47570	91.01630	21.61000	-0.75834	21.538	-3.6128	-15.815	62.608E-6
100.04085	91.01630	21.61000	-0.61233	21.538	-3.1326	-14.416	63.127E-6
102.60600	91.01630	21.61000	-0.40625	21.538	-2.3836	-12.207	63.608E-6
105.17115	91.01630	21.61000	-0.18336	21.538	-1.5648	-9.6845	62.777E-6
107.73630	91.01630	21.61000	0.010635	21.538	-0.92383	-7.3861	58.053E-6
110.30145	91.01630	21.61000	0.15242	21.538	-0.52743	-5.5757	50.238E-6
112.86660	91.01630	21.61000	0.24356	21.538	-0.30613	-4.2421	41.812E-6
115.43175	91.01630	21.61000	0.29566	21.538	-0.18428	-3.2762	34.284E-6
117.99690	91.01630	21.61000	0.32055	21.538	-0.11544	-2.5726	28.007E-6
120.56205	91.01630	21.61000	0.32742	21.538	-0.075052	-2.0524	22.987E-6
123.12720	91.01630	21.61000	0.32279	21.538	-0.050428	-1.6614	18.998E-6
125.69235	91.01630	21.61000	0.31115	21.538	-0.034869	-1.3626	15.826E-6
128.25750	91.01630	21.61000	0.29548	21.538	-0.024720	-1.1307	13.292E-6
130.82265	91.01630	21.61000	0.27777	21.538	-0.017912	-0.94820	11.252E-6
133.38780	91.01630	21.61000	0.25933	21.538	-0.013231	-0.80268	9.5985E-6
135.95295	91.01630	21.61000	0.24098	21.538	-0.0099424	-0.68532	8.2462E-6
138.51810	91.01630	21.61000	0.22322	21.538	-0.0075862	-0.58966	7.1317E-6
141.08325	91.01630	21.61000	0.20636	21.538	-0.0058685	-0.51095	6.2063E-6
143.64840	91.01630	21.61000	0.19055	21.538	-0.0045966	-0.44560	5.4323E-6
146.21355	91.01630	21.61000	0.17586	21.538	-0.0036413	-0.39092	4.7804E-6
148.77870	91.01630	21.61000	0.16230	21.538	-0.0029145	-0.34481	4.2278E-6
151.34385	91.01630	21.61000	0.14982	21.538	-0.0023549	-0.30567	3.7565E-6
153.90900	91.01630	21.61000	0.13838	21.538	-0.0019195	-0.27224	3.3524E-6 !
0.00000	93.47620	21.61000	0.13072	21.538	-0.0012399	-0.20684	2.5552E-6
2.56515	93.47620	21.61000	0.14169	21.538	-0.0015335	-0.23191	2.8596E-6
5.13030	93.47620	21.61000	0.15370	21.538	-0.0019182	-0.26144	3.2166E-6
7.69545	93.47620	21.61000	0.16681	21.538	-0.0024301	-0.29653	3.6387E-6
10.26060	93.47620	21.61000	0.18107	21.538	-0.0031227	-0.33861	4.1419E-6
12.82575	93.47620	21.61000	0.19646	21.538	-0.0040774	-0.38962	4.7476E-6
15.39090	93.47620	21.61000	0.21292	21.538	-0.0054213	-0.45220	5.4842E-6
17.95605	93.47620	21.61000	0.23025	21.538	-0.0073590	-0.53006	6.3905E-6
20.52120	93.47620	21.61000	0.24809	21.538	-0.010230	-0.62847	7.5202E-6
23.08635	93.47620	21.61000	0.26572	21.538	-0.014618	-0.75516	8.9484E-6
25.65150	93.47620	21.61000	0.28194	21.538	-0.021575	-0.92182	10.782E-6
28.21665	93.47620	21.61000	0.29467	21.538	-0.033080	-1.1467	13.177E-6
30.78180	93.47620	21.61000	0.30038	21.538	-0.053090	-1.4594	16.356E-6
33.34695	93.47620	21.61000	0.29299	21.538	-0.090039	-1.9103	20.634E-6
35.91210	93.47620	21.61000	0.26181	21.538	-0.16337	-2.5895	26.411E-6
38.47725	93.47620	21.61000	0.18731	21.538	-0.32211	-3.6677	33.983E-6
41.04240	93.47620	21.61000	0.032348	21.538	-0.70294	-5.4874	42.503E-6

43.60755	93.47620	21.61000	-0.27689	21.538	-1.7233	-8.7651	45.226E-6
46.17270	93.47620	21.61000	-0.88574	21.538	-4.6696	-14.935	11.656E-6
48.73785	93.47620	21.61000	-2.0326	21.538	-12.317	-26.038	-137.27E-6
51.30300	93.47620	21.61000	-4.1304	21.538	-41.967	-90.892	-440.43E-6
53.86815	93.47620	21.61000	-5.2046	21.538	-49.244	-100.99	-588.05E-6
56.43330	93.47620	21.61000	-5.2944	21.538	-48.322	-102.05	-539.86E-6
58.99845	93.47620	21.61000	-4.6738	21.538	-43.491	-93.638	-463.39E-6
61.56360	93.47620	21.61000	-4.1540	21.538	-39.891	-88.425	-393.09E-6
64.12875	93.47620	21.61000	-3.5987	21.538	-36.373	-83.785	-318.72E-6
66.69390	93.47620	21.61000	-2.8007	21.538	-30.096	-72.259	-226.81E-6
69.25905	93.47620	21.61000	-2.1186	21.538	-23.628	-67.249	-45.740E-6
71.82420	93.47620	21.61000	-1.6294	21.538	-20.063	-61.852	20.903E-6
74.38935	93.47620	21.61000	-1.3263	21.538	-18.743	-58.508	28.678E-6
76.95450	93.47620	21.61000	-1.1557	21.538	-18.288	-56.818	24.563E-6
79.51965	93.47620	21.61000	-1.0574	21.538	-18.161	-56.317	23.065E-6
82.08480	93.47620	21.61000	-0.93387	21.538	-18.202	-56.222	20.326E-6
84.64995	93.47620	21.61000	-0.29834	21.538	-0.59537	-7.2590	68.850E-6
87.21510	93.47620	21.61000	-0.18063	21.538	-0.89131	-7.7547	63.917E-6
89.78025	93.47620	21.61000	-0.19277	21.538	-1.2237	-8.8971	65.746E-6
92.34540	93.47620	21.61000	-0.22059	21.538	-1.4749	-9.8191	67.862E-6
94.91055	93.47620	21.61000	-0.23007	21.538	-1.5777	-10.237	69.233E-6
97.47570	93.47620	21.61000	-0.20213	21.538	-1.5284	-10.052	68.767E-6
100.04085	93.47620	21.61000	-0.13437	21.538	-1.3480	-9.3064	66.201E-6
102.60600	93.47620	21.61000	-0.037400	21.538	-1.0738	-8.1446	61.933E-6
105.17115	93.47620	21.61000	0.069504	21.538	-0.77197	-6.7920	56.309E-6
107.73630	93.47620	21.61000	0.16621	21.538	-0.51289	-5.4812	49.598E-6
110.30145	93.47620	21.61000	0.24036	21.538	-0.32770	-4.3570	42.444E-6
112.86660	93.47620	21.61000	0.28938	21.538	-0.20832	-3.4574	35.633E-6
115.43175	93.47620	21.61000	0.31663	21.538	-0.13437	-2.7598	29.647E-6
117.99690	93.47620	21.61000	0.32730	21.538	-0.088683	-2.2237	24.628E-6
120.56205	93.47620	21.61000	0.32628	21.538	-0.060006	-1.8107	20.514E-6
123.12720	93.47620	21.61000	0.31750	21.538	-0.041595	-1.4900	17.175E-6
125.69235	93.47620	21.61000	0.30388	21.538	-0.029486	-1.2385	14.468E-6
128.25750	93.47620	21.61000	0.28750	21.538	-0.021331	-1.0392	12.268E-6
130.82265	93.47620	21.61000	0.26980	21.538	-0.015718	-0.87957	10.472E-6
133.38780	93.47620	21.61000	0.25175	21.538	-0.011775	-0.75047	8.9966E-6
135.95295	93.47620	21.61000	0.23397	21.538	-0.0089542	-0.64506	7.7770E-6
138.51810	93.47620	21.61000	0.21686	21.538	-0.0069022	-0.55824	6.7623E-6
141.08325	93.47620	21.61000	0.20065	21.538	-0.0053866	-0.48616	5.9126E-6
143.64840	93.47620	21.61000	0.18547	21.538	-0.0042516	-0.42584	5.1967E-6
146.21355	93.47620	21.61000	0.17136	21.538	-0.0033907	-0.37502	4.5898E-6
148.77870	93.47620	21.61000	0.15832	21.538	-0.0027300	-0.33191	4.0724E-6
151.34385	93.47620	21.61000	0.14632	21.538	-0.0022174	-0.29512	3.6289E-6
153.90900	93.47620	21.61000	0.13529	21.538	-0.0018158	-0.26354	3.2468E-6 !
0.00000	95.93610	21.61000	0.12822	21.538	-0.0012157	-0.20330	2.5116E-6
2.56515	95.93610	21.61000	0.13885	21.538	-0.0015020	-0.22770	2.8078E-6
5.13030	95.93610	21.61000	0.15046	21.538	-0.0018766	-0.25641	3.1548E-6
7.69545	95.93610	21.61000	0.16313	21.538	-0.0023742	-0.29045	3.5642E-6

10.26060	95.93610	21.61000	0.17687	21.538	-0.0030463	-0.33119	4.0515E-6
12.82575	95.93610	21.61000	0.19169	21.538	-0.0039707	-0.38049	4.6367E-6
15.39090	95.93610	21.61000	0.20752	21.538	-0.0052689	-0.44082	5.3468E-6
17.95605	95.93610	21.61000	0.22418	21.538	-0.0071352	-0.51569	6.2182E-6
20.52120	95.93610	21.61000	0.24130	21.538	-0.0098907	-0.61003	7.3010E-6
23.08635	95.93610	21.61000	0.25825	21.538	-0.014085	-0.73107	8.6653E-6
25.65150	95.93610	21.61000	0.27390	21.538	-0.020701	-0.88961	10.410E-6
28.21665	95.93610	21.61000	0.28637	21.538	-0.031573	-1.1024	12.677E-6
30.78180	95.93610	21.61000	0.29249	21.538	-0.050331	-1.3966	15.670E-6
33.34695	95.93610	21.61000	0.28684	21.538	-0.084625	-1.8173	19.668E-6
35.91210	95.93610	21.61000	0.26002	21.538	-0.15185	-2.4447	25.023E-6
38.47725	95.93610	21.61000	0.19521	21.538	-0.29522	-3.4274	31.975E-6
41.04240	95.93610	21.61000	0.060942	21.538	-0.63337	-5.0581	39.728E-6
43.60755	95.93610	21.61000	-0.20389	21.538	-1.5239	-7.9346	42.306E-6
46.17270	95.93610	21.61000	-0.71655	21.538	-4.0539	-13.218	13.290E-6
48.73785	95.93610	21.61000	-1.6632	21.538	-10.447	-22.442	-111.96E-6
51.30300	95.93610	21.61000	-3.4399	21.538	-37.473	-84.210	-354.88E-6
53.86815	95.93610	21.61000	-4.2094	21.538	-42.088	-91.278	-440.15E-6
56.43330	95.93610	21.61000	-4.0349	21.538	-39.233	-89.928	-349.39E-6
58.99845	95.93610	21.61000	-2.8240	21.538	-15.292	-33.774	-152.26E-6
61.56360	95.93610	21.61000	-2.2421	21.538	-11.440	-28.417	-74.252E-6
64.12875	95.93610	21.61000	-1.7814	21.538	-9.0217	-23.677	-42.622E-6
66.69390	95.93610	21.61000	-1.2956	21.538	-6.1856	-18.380	-2.2271E-6
69.25905	95.93610	21.61000	-0.83941	21.538	-3.2809	-13.216	42.442E-6
71.82420	95.93610	21.61000	-0.50232	21.538	-1.5002	-9.4277	61.982E-6
74.38935	95.93610	21.61000	-0.28624	21.538	-0.71409	-7.1390	62.859E-6
76.95450	95.93610	21.61000	-0.15639	21.538	-0.40423	-5.9106	59.101E-6
79.51965	95.93610	21.61000	-0.074799	21.538	-0.30012	-5.3608	56.113E-6
82.08480	95.93610	21.61000	-0.0033960	21.538	-0.30010	-5.2379	54.567E-6
84.64995	95.93610	21.61000	0.077650	21.538	-0.36696	-5.3627	53.615E-6
87.21510	95.93610	21.61000	0.11596	21.538	-0.47678	-5.7715	54.613E-6
89.78025	95.93610	21.61000	0.11252	21.538	-0.59703	-6.2957	56.668E-6
92.34540	95.93610	21.61000	0.097714	21.538	-0.69035	-6.7165	58.441E-6
94.91055	95.93610	21.61000	0.090141	21.538	-0.73126	-6.8926	59.111E-6
97.47570	95.93610	21.61000	0.099481	21.538	-0.71269	-6.7629	58.181E-6
100.04085	95.93610	21.61000	0.12763	21.538	-0.64085	-6.3390	55.560E-6
102.60600	95.93610	21.61000	0.17003	21.538	-0.53157	-5.6894	51.512E-6
105.17115	95.93610	21.61000	0.21806	21.538	-0.40853	-4.9195	46.470E-6
107.73630	95.93610	21.61000	0.26250	21.538	-0.29539	-4.1385	40.915E-6
110.30145	95.93610	21.61000	0.29691	21.538	-0.20568	-3.4253	35.329E-6
112.86660	95.93610	21.61000	0.31884	21.538	-0.14106	-2.8163	30.106E-6
115.43175	95.93610	21.61000	0.32889	21.538	-0.096832	-2.3156	25.476E-6
117.99690	95.93610	21.61000	0.32922	21.538	-0.067159	-1.9115	21.513E-6
120.56205	95.93610	21.61000	0.32231	21.538	-0.047273	-1.5876	18.189E-6
123.12720	95.93610	21.61000	0.31042	21.538	-0.033823	-1.3279	15.429E-6
125.69235	95.93610	21.61000	0.29541	21.538	-0.024602	-1.1188	13.146E-6
128.25750	95.93610	21.61000	0.27864	21.538	-0.018179	-0.94944	11.258E-6
130.82265	95.93610	21.61000	0.26113	21.538	-0.013634	-0.81134	9.6922E-6

133.38780	95.93610	21.61000	0.24358	21.538	-0.010367	-0.69794	8.3889E-6
135.95295	95.93610	21.61000	0.22646	21.538	-0.0079847	-0.60414	7.2988E-6
138.51810	95.93610	21.61000	0.21006	21.538	-0.0062226	-0.52602	6.3826E-6
141.08325	95.93610	21.61000	0.19456	21.538	-0.0049025	-0.46053	5.6085E-6
143.64840	95.93610	21.61000	0.18005	21.538	-0.0039016	-0.40527	4.9511E-6
146.21355	95.93610	21.61000	0.16655	21.538	-0.0031342	-0.35837	4.3900E-6
148.77870	95.93610	21.61000	0.15407	21.538	-0.0025396	-0.31832	3.9087E-6
151.34385	95.93610	21.61000	0.14256	21.538	-0.0020745	-0.28395	3.4938E-6
153.90900	95.93610	21.61000	0.13198	21.538	-0.0017074	-0.25430	3.1346E-6 !
0.00000	98.39600	21.61000	0.12547	21.538	-0.0011830	-0.19909	2.4599E-6
2.56515	98.39600	21.61000	0.13573	21.538	-0.0014587	-0.22268	2.7463E-6
5.13030	98.39600	21.61000	0.14692	21.538	-0.0018187	-0.25036	3.0809E-6
7.69545	98.39600	21.61000	0.15911	21.538	-0.0022953	-0.28310	3.4748E-6
10.26060	98.39600	21.61000	0.17231	21.538	-0.0029366	-0.32218	3.9423E-6
12.82575	98.39600	21.61000	0.18653	21.538	-0.0038151	-0.36931	4.5019E-6
15.39090	98.39600	21.61000	0.20170	21.538	-0.0050425	-0.42677	5.1785E-6
17.95605	98.39600	21.61000	0.21766	21.538	-0.0067965	-0.49775	6.0053E-6
20.52120	98.39600	21.61000	0.23408	21.538	-0.0093673	-0.58673	7.0277E-6
23.08635	98.39600	21.61000	0.25039	21.538	-0.013246	-0.70017	8.3083E-6
25.65150	98.39600	21.61000	0.26561	21.538	-0.019296	-0.84761	9.9348E-6
28.21665	98.39600	21.61000	0.27812	21.538	-0.029100	-1.0436	12.031E-6
30.78180	98.39600	21.61000	0.28522	21.538	-0.045719	-1.3112	14.769E-6
33.34695	98.39600	21.61000	0.28244	21.538	-0.075410	-1.6878	18.387E-6
35.91210	98.39600	21.61000	0.26226	21.538	-0.13187	-2.2375	23.171E-6
38.47725	98.39600	21.61000	0.21175	21.538	-0.24750	-3.0739	29.329E-6
41.04240	98.39600	21.61000	0.10815	21.538	-0.50540	-4.4071	36.368E-6
43.60755	98.39600	21.61000	-0.089054	21.538	-1.1338	-6.6299	40.617E-6
46.17270	98.39600	21.61000	-0.44759	21.538	-2.7384	-10.406	27.558E-6
48.73785	98.39600	21.61000	-1.0474	21.538	-6.3256	-16.362	-32.901E-6
51.30300	98.39600	21.61000	-1.8683	21.538	-11.075	-24.452	-110.38E-6
53.86815	98.39600	21.61000	-2.2805	21.538	-13.256	-28.280	-144.51E-6
56.43330	98.39600	21.61000	-2.1374	21.538	-11.384	-27.140	-88.232E-6
58.99845	98.39600	21.61000	-1.5842	21.538	-7.6733	-21.976	-13.138E-6
61.56360	98.39600	21.61000	-1.1694	21.538	-5.2142	-18.225	32.488E-6
64.12875	98.39600	21.61000	-0.84969	21.538	-3.8363	-15.102	45.202E-6
66.69390	98.39600	21.61000	-0.55749	21.538	-2.6715	-12.092	51.290E-6
69.25905	98.39600	21.61000	-0.29433	21.538	-1.6108	-9.2958	56.151E-6
71.82420	98.39600	21.61000	-0.088183	21.538	-0.87854	-7.1060	56.238E-6
74.38935	98.39600	21.61000	0.054356	21.538	-0.48468	-5.6420	52.685E-6
76.95450	98.39600	21.61000	0.14624	21.538	-0.30032	-4.7733	48.715E-6
79.51965	98.39600	21.61000	0.20492	21.538	-0.22636	-4.3311	45.943E-6
82.08480	98.39600	21.61000	0.24517	21.538	-0.21237	-4.1857	44.642E-6
84.64995	98.39600	21.61000	0.27283	21.538	-0.23395	-4.2445	44.567E-6
87.21510	98.39600	21.61000	0.28401	21.538	-0.27538	-4.4330	45.375E-6
89.78025	98.39600	21.61000	0.28011	21.538	-0.32158	-4.6637	46.534E-6
92.34540	98.39600	21.61000	0.26989	21.538	-0.35796	-4.8432	47.418E-6
94.91055	98.39600	21.61000	0.26179	21.538	-0.37400	-4.8994	47.520E-6
97.47570	98.39600	21.61000	0.26093	21.538	-0.36552	-4.7960	46.540E-6

100.04085	98.39600	21.61000	0.26871	21.538	-0.33425	-4.5338	44.422E-6
102.60600	98.39600	21.61000	0.28334	21.538	-0.28646	-4.1443	41.325E-6
105.17115	98.39600	21.61000	0.30095	21.538	-0.23129	-3.6782	37.543E-6
107.73630	98.39600	21.61000	0.31723	21.538	-0.17781	-3.1900	33.420E-6
110.30145	98.39600	21.61000	0.32887	21.538	-0.13209	-2.7236	29.278E-6
112.86660	98.39600	21.61000	0.33421	21.538	-0.096265	-2.3049	25.363E-6
115.43175	98.39600	21.61000	0.33314	21.538	-0.069689	-1.9439	21.824E-6
117.99690	98.39600	21.61000	0.32652	21.538	-0.050545	-1.6400	18.724E-6
120.56205	98.39600	21.61000	0.31559	21.538	-0.036922	-1.3875	16.061E-6
123.12720	98.39600	21.61000	0.30165	21.538	-0.027241	-1.1787	13.800E-6
125.69235	98.39600	21.61000	0.28581	21.538	-0.020325	-1.0062	11.891E-6
128.25750	98.39600	21.61000	0.26899	21.538	-0.015343	-0.86355	10.285E-6
130.82265	98.39600	21.61000	0.25187	21.538	-0.011717	-0.74507	8.9310E-6
133.38780	98.39600	21.61000	0.23494	21.538	-0.0090473	-0.64626	7.7886E-6
135.95295	98.39600	21.61000	0.21855	21.538	-0.0070605	-0.56344	6.8217E-6
138.51810	98.39600	21.61000	0.20291	21.538	-0.0055655	-0.49367	6.0004E-6
141.08325	98.39600	21.61000	0.18815	21.538	-0.0044285	-0.43458	5.3000E-6
143.64840	98.39600	21.61000	0.17433	21.538	-0.0035552	-0.38429	4.7002E-6
146.21355	98.39600	21.61000	0.16148	21.538	-0.0028779	-0.34127	4.1846E-6
148.77870	98.39600	21.61000	0.14957	21.538	-0.0023479	-0.30429	3.7394E-6
151.34385	98.39600	21.61000	0.13859	21.538	-0.0019295	-0.27235	3.3534E-6
153.90900	98.39600	21.61000	0.12846	21.538	-0.0015966	-0.24465	3.0174E-6 !
0.00000	100.85590	21.61000	0.12251	21.538	-0.0011425	-0.19427	2.4009E-6
2.56515	100.85590	21.61000	0.13237	21.538	-0.0014050	-0.21692	2.6759E-6
5.13030	100.85590	21.61000	0.14312	21.538	-0.0017464	-0.24341	2.9963E-6
7.69545	100.85590	21.61000	0.15479	21.538	-0.0021963	-0.27465	3.3722E-6
10.26060	100.85590	21.61000	0.16743	21.538	-0.0027985	-0.31178	3.8167E-6
12.82575	100.85590	21.61000	0.18102	21.538	-0.0036180	-0.35636	4.3465E-6
15.39090	100.85590	21.61000	0.19551	21.538	-0.0047547	-0.41044	4.9839E-6
17.95605	100.85590	21.61000	0.21076	21.538	-0.0063644	-0.47683	5.7584E-6
20.52120	100.85590	21.61000	0.22648	21.538	-0.0086984	-0.55945	6.7097E-6
23.08635	100.85590	21.61000	0.24219	21.538	-0.012173	-0.66383	7.8917E-6
25.65150	100.85590	21.61000	0.25706	21.538	-0.017504	-0.79803	9.3787E-6
28.21665	100.85590	21.61000	0.26978	21.538	-0.025967	-0.97399	11.273E-6
30.78180	100.85590	21.61000	0.27818	21.538	-0.039935	-1.2100	13.714E-6
33.34695	100.85590	21.61000	0.27883	21.538	-0.064043	-1.5346	16.888E-6
35.91210	100.85590	21.61000	0.26623	21.538	-0.10782	-1.9940	21.016E-6
38.47725	100.85590	21.61000	0.23154	21.538	-0.19197	-2.6644	26.274E-6
41.04240	100.85590	21.61000	0.16073	21.538	-0.36357	-3.6721	32.475E-6
43.60755	100.85590	21.61000	0.032550	21.538	-0.73066	-5.2172	38.058E-6
46.17270	100.85590	21.61000	-0.17926	21.538	-1.5109	-7.5515	37.976E-6
48.73785	100.85590	21.61000	-0.48272	21.538	-2.9229	-10.723	24.581E-6
51.30300	100.85590	21.61000	-0.80317	21.538	-4.5595	-13.960	3.5450E-6
53.86815	100.85590	21.61000	-0.97850	21.538	-5.3156	-15.777	-2.1333E-6
56.43330	100.85590	21.61000	-0.92889	21.538	-4.7110	-15.466	16.769E-6
58.99845	100.85590	21.61000	-0.72692	21.538	-3.4171	-13.729	43.754E-6
61.56360	100.85590	21.61000	-0.50500	21.538	-2.3793	-11.741	57.910E-6
64.12875	100.85590	21.61000	-0.30925	21.538	-1.7192	-9.9160	59.860E-6

66.69390	100.85590	21.61000	-0.13457	21.538	-1.2215	-8.2189	57.295E-6
69.25905	100.85590	21.61000	0.018681	21.538	-0.80864	-6.6834	53.560E-6
71.82420	100.85590	21.61000	0.14242	21.538	-0.50521	-5.4305	49.250E-6
74.38935	100.85590	21.61000	0.23321	21.538	-0.31667	-4.5225	44.943E-6
76.95450	100.85590	21.61000	0.29490	21.538	-0.21419	-3.9326	41.390E-6
79.51965	100.85590	21.61000	0.33459	21.538	-0.16605	-3.5964	38.977E-6
82.08480	100.85590	21.61000	0.35882	21.538	-0.15072	-3.4486	37.695E-6
84.64995	100.85590	21.61000	0.37141	21.538	-0.15509	-3.4320	37.322E-6
87.21510	100.85590	21.61000	0.37395	21.538	-0.17007	-3.4938	37.534E-6
89.78025	100.85590	21.61000	0.36868	21.538	-0.18806	-3.5811	37.953E-6
92.34540	100.85590	21.61000	0.35945	21.538	-0.20240	-3.6435	38.197E-6
94.91055	100.85590	21.61000	0.35021	21.538	-0.20832	-3.6418	37.953E-6
97.47570	100.85590	21.61000	0.34371	21.538	-0.20357	-3.5543	37.030E-6
100.04085	100.85590	21.61000	0.34092	21.538	-0.18855	-3.3784	35.385E-6
102.60600	100.85590	21.61000	0.34124	21.538	-0.16573	-3.1284	33.101E-6
105.17115	100.85590	21.61000	0.34298	21.538	-0.13884	-2.8294	30.352E-6
107.73630	100.85590	21.61000	0.34412	21.538	-0.11169	-2.5099	27.359E-6
110.30145	100.85590	21.61000	0.34298	21.538	-0.087152	-2.1945	24.319E-6
112.86660	100.85590	21.61000	0.33860	21.538	-0.066655	-1.9007	21.396E-6
115.43175	100.85590	21.61000	0.33078	21.538	-0.050438	-1.6377	18.698E-6
117.99690	100.85590	21.61000	0.31986	21.538	-0.038039	-1.4082	16.280E-6
120.56205	100.85590	21.61000	0.30648	21.538	-0.028737	-1.2113	14.154E-6
123.12720	100.85590	21.61000	0.29138	21.538	-0.021819	-1.0440	12.310E-6
125.69235	100.85590	21.61000	0.27525	21.538	-0.016683	-0.90250	10.724E-6
128.25750	100.85590	21.61000	0.25868	21.538	-0.012859	-0.78296	9.3644E-6
130.82265	100.85590	21.61000	0.24212	21.538	-0.0099967	-0.68193	8.2015E-6
133.38780	100.85590	21.61000	0.22592	21.538	-0.0078390	-0.59636	7.2065E-6
135.95295	100.85590	21.61000	0.21032	21.538	-0.0061999	-0.52368	6.3540E-6
138.51810	100.85590	21.61000	0.19548	21.538	-0.0049443	-0.46174	5.6221E-6
141.08325	100.85590	21.61000	0.18149	21.538	-0.0039747	-0.40874	4.9921E-6
143.64840	100.85590	21.61000	0.16840	21.538	-0.0032197	-0.36323	4.4480E-6
146.21355	100.85590	21.61000	0.15620	21.538	-0.0026271	-0.32399	3.9766E-6
148.77870	100.85590	21.61000	0.14489	21.538	-0.0021585	-0.29001	3.5669E-6
151.34385	100.85590	21.61000	0.13444	21.538	-0.0017851	-0.26049	3.2096E-6
153.90900	100.85590	21.61000	0.12479	21.538	-0.0014855	-0.23473	2.8969E-6 !
0.00000	103.31580	21.61000	0.11936	21.538	-0.0010954	-0.18893	2.3354E-6
2.56515	103.31580	21.61000	0.12881	21.538	-0.0013425	-0.21053	2.5978E-6
5.13030	103.31580	21.61000	0.13909	21.538	-0.0016622	-0.23570	2.9024E-6
7.69545	103.31580	21.61000	0.15024	21.538	-0.0020810	-0.26525	3.2584E-6
10.26060	103.31580	21.61000	0.16229	21.538	-0.0026376	-0.30023	3.6774E-6
12.82575	103.31580	21.61000	0.17523	21.538	-0.0033890	-0.34198	4.1742E-6
15.39090	103.31580	21.61000	0.18902	21.538	-0.0044211	-0.39230	4.7683E-6
17.95605	103.31580	21.61000	0.20354	21.538	-0.0058659	-0.45361	5.4851E-6
20.52120	103.31580	21.61000	0.21855	21.538	-0.0079318	-0.52921	6.3582E-6
23.08635	103.31580	21.61000	0.23367	21.538	-0.010956	-0.62368	7.4325E-6
25.65150	103.31580	21.61000	0.24822	21.538	-0.015498	-0.74347	8.7681E-6
28.21665	103.31580	21.61000	0.26117	21.538	-0.022523	-0.89789	10.446E-6
30.78180	103.31580	21.61000	0.27090	21.538	-0.033736	-1.1005	12.572E-6

33.34695	103.31580	21.61000	0.27494	21.538	-0.052271	-1.3716	15.283E-6
35.91210	103.31580	21.61000	0.26957	21.538	-0.084059	-1.7415	18.735E-6
38.47725	103.31580	21.61000	0.24934	21.538	-0.14061	-2.2551	23.063E-6
41.04240	103.31580	21.61000	0.20672	21.538	-0.24426	-2.9772	28.235E-6
43.60755	103.31580	21.61000	0.13266	21.538	-0.43549	-3.9879	33.733E-6
46.17270	103.31580	21.61000	0.020620	21.538	-0.77041	-5.3448	38.163E-6
48.73785	103.31580	21.61000	-0.12162	21.538	-1.2641	-6.9658	39.923E-6
51.30300	103.31580	21.61000	-0.25687	21.538	-1.7688	-8.4860	40.000E-6
53.86815	103.31580	21.61000	-0.32978	21.538	-2.0110	-9.3801	42.108E-6
56.43330	103.31580	21.61000	-0.31197	21.538	-1.8677	-9.3878	47.612E-6
58.99845	103.31580	21.61000	-0.22455	21.538	-1.4928	-8.7144	53.291E-6
61.56360	103.31580	21.61000	-0.11080	21.538	-1.1212	-7.7597	55.305E-6
64.12875	103.31580	21.61000	0.0023982	21.538	-0.83607	-6.7656	53.559E-6
66.69390	103.31580	21.61000	0.10670	21.538	-0.61425	-5.8093	49.900E-6
69.25905	103.31580	21.61000	0.19840	21.538	-0.43528	-4.9370	45.680E-6
71.82420	103.31580	21.61000	0.27381	21.538	-0.29928	-4.2017	41.563E-6
74.38935	103.31580	21.61000	0.33109	21.538	-0.20672	-3.6367	37.949E-6
76.95450	103.31580	21.61000	0.37126	21.538	-0.15048	-3.2416	35.101E-6
79.51965	103.31580	21.61000	0.39712	21.538	-0.12045	-2.9935	33.113E-6
82.08480	103.31580	21.61000	0.41173	21.538	-0.10789	-2.8608	31.918E-6
84.64995	103.31580	21.61000	0.41755	21.538	-0.10634	-2.8107	31.346E-6
87.21510	103.31580	21.61000	0.41640	21.538	-0.11089	-2.8104	31.170E-6
89.78025	103.31580	21.61000	0.41012	21.538	-0.11750	-2.8277	31.139E-6
92.34540	103.31580	21.61000	0.40087	21.538	-0.12287	-2.8337	31.011E-6
94.91055	103.31580	21.61000	0.39074	21.538	-0.12460	-2.8055	30.590E-6
97.47570	103.31580	21.61000	0.38123	21.538	-0.12149	-2.7297	29.754E-6
100.04085	103.31580	21.61000	0.37306	21.538	-0.11353	-2.6034	28.466E-6
102.60600	103.31580	21.61000	0.36609	21.538	-0.10170	-2.4329	26.768E-6
105.17115	103.31580	21.61000	0.35964	21.538	-0.087598	-2.2308	24.758E-6
107.73630	103.31580	21.61000	0.35279	21.538	-0.072929	-2.0126	22.566E-6
110.30145	103.31580	21.61000	0.34474	21.538	-0.059098	-1.7924	20.318E-6
112.86660	103.31580	21.61000	0.33497	21.538	-0.046966	-1.5815	18.123E-6
115.43175	103.31580	21.61000	0.32336	21.538	-0.036863	-1.3870	16.058E-6
117.99690	103.31580	21.61000	0.31007	21.538	-0.028747	-1.2123	14.167E-6
120.56205	103.31580	21.61000	0.29545	21.538	-0.022375	-1.0584	12.470E-6
123.12720	103.31580	21.61000	0.27993	21.538	-0.017440	-0.92426	10.969E-6
125.69235	103.31580	21.61000	0.26394	21.538	-0.013643	-0.80831	9.6538E-6
128.25750	103.31580	21.61000	0.24787	21.538	-0.010727	-0.70848	8.5079E-6
130.82265	103.31580	21.61000	0.23202	21.538	-0.0084852	-0.62266	7.5130E-6
133.38780	103.31580	21.61000	0.21664	21.538	-0.0067553	-0.54890	6.6502E-6
135.95295	103.31580	21.61000	0.20188	21.538	-0.0054140	-0.48542	5.9023E-6
138.51810	103.31580	21.61000	0.18787	21.538	-0.0043683	-0.43069	5.2533E-6
141.08325	103.31580	21.61000	0.17467	21.538	-0.0035480	-0.38339	4.6892E-6
143.64840	103.31580	21.61000	0.16231	21.538	-0.0029004	-0.34239	4.1979E-6
146.21355	103.31580	21.61000	0.15078	21.538	-0.0023859	-0.30676	3.7690E-6
148.77870	103.31580	21.61000	0.14007	21.538	-0.0019746	-0.27569	3.3937E-6
151.34385	103.31580	21.61000	0.13016	21.538	-0.0016437	-0.24851	3.0643E-6
153.90900	103.31580	21.61000	0.12099	21.538	-0.0013758	-0.22467	2.7744E-6 !

0.00000	105.77570	21.61000	0.11606	21.538	-0.0010429	-0.18314	2.2646E-6
2.56515	105.77570	21.61000	0.12508	21.538	-0.0012731	-0.20360	2.5133E-6
5.13030	105.77570	21.61000	0.13487	21.538	-0.0015688	-0.22736	2.8010E-6
7.69545	105.77570	21.61000	0.14548	21.538	-0.0019536	-0.25511	3.1356E-6
10.26060	105.77570	21.61000	0.15693	21.538	-0.0024606	-0.28778	3.5274E-6
12.82575	105.77570	21.61000	0.16921	21.538	-0.0031384	-0.32652	3.9892E-6
15.39090	105.77570	21.61000	0.18229	21.538	-0.0040587	-0.37286	4.5375E-6
17.95605	105.77570	21.61000	0.19607	21.538	-0.0053295	-0.42883	5.1936E-6
20.52120	105.77570	21.61000	0.21036	21.538	-0.0071168	-0.49711	5.9852E-6
23.08635	105.77570	21.61000	0.22486	21.538	-0.0096813	-0.58135	6.9481E-6
25.65150	105.77570	21.61000	0.23905	21.538	-0.013441	-0.68652	8.1293E-6
28.21665	105.77570	21.61000	0.25216	21.538	-0.019082	-0.81951	9.5894E-6
30.78180	105.77570	21.61000	0.26301	21.538	-0.027753	-0.98987	11.405E-6
33.34695	105.77570	21.61000	0.26993	21.538	-0.041411	-1.2109	13.670E-6
35.91210	105.77570	21.61000	0.27057	21.538	-0.063424	-1.5008	16.487E-6
38.47725	105.77570	21.61000	0.26183	21.538	-0.099531	-1.8836	19.940E-6
41.04240	105.77570	21.61000	0.24006	21.538	-0.15902	-2.3875	24.034E-6
43.60755	105.77570	21.61000	0.20207	21.538	-0.25476	-3.0368	28.589E-6
46.17270	105.77570	21.61000	0.14763	21.538	-0.39746	-3.8280	33.157E-6
48.73785	105.77570	21.61000	0.083780	21.538	-0.57761	-4.6891	37.191E-6
51.30300	105.77570	21.61000	0.027426	21.538	-0.74554	-5.4559	40.499E-6
53.86815	105.77570	21.61000	-895.15E-6	21.538	-0.83070	-5.9324	43.280E-6
56.43330	105.77570	21.61000	0.0095293	21.538	-0.80091	-6.0177	45.477E-6
58.99845	105.77570	21.61000	0.052818	21.538	-0.68970	-5.7664	46.512E-6
61.56360	105.77570	21.61000	0.11377	21.538	-0.55654	-5.3172	45.888E-6
64.12875	105.77570	21.61000	0.17932	21.538	-0.43591	-4.7885	43.788E-6
66.69390	105.77570	21.61000	0.24211	21.538	-0.33425	-4.2486	40.834E-6
69.25905	105.77570	21.61000	0.29814	21.538	-0.25041	-3.7408	37.609E-6
71.82420	105.77570	21.61000	0.34485	21.538	-0.18467	-3.2980	34.520E-6
74.38935	105.77570	21.61000	0.38098	21.538	-0.13712	-2.9415	31.829E-6
76.95450	105.77570	21.61000	0.40661	21.538	-0.10578	-2.6765	29.679E-6
79.51965	105.77570	21.61000	0.42286	21.538	-0.087257	-2.4959	28.106E-6
82.08480	105.77570	21.61000	0.43123	21.538	-0.078008	-2.3850	27.059E-6
84.64995	105.77570	21.61000	0.43318	21.538	-0.074933	-2.3253	26.425E-6
87.21510	105.77570	21.61000	0.43005	21.538	-0.075447	-2.2975	26.055E-6
89.78025	105.77570	21.61000	0.42315	21.538	-0.077391	-2.2822	25.789E-6
92.34540	105.77570	21.61000	0.41380	21.538	-0.079010	-2.2619	25.474E-6
94.91055	105.77570	21.61000	0.40322	21.538	-0.079042	-2.2231	24.984E-6
97.47570	105.77570	21.61000	0.39231	21.538	-0.076800	-2.1573	24.240E-6
100.04085	105.77570	21.61000	0.38158	21.538	-0.072177	-2.0618	23.214E-6
102.60600	105.77570	21.61000	0.37109	21.538	-0.065565	-1.9393	21.923E-6
105.17115	105.77570	21.61000	0.36063	21.538	-0.057666	-1.7964	20.423E-6
107.73630	105.77570	21.61000	0.34981	21.538	-0.049285	-1.6415	18.791E-6
110.30145	105.77570	21.61000	0.33828	21.538	-0.041133	-1.4831	17.105E-6
112.86660	105.77570	21.61000	0.32581	21.538	-0.033707	-1.3283	15.438E-6
115.43175	105.77570	21.61000	0.31235	21.538	-0.027265	-1.1821	13.842E-6
117.99690	105.77570	21.61000	0.29802	21.538	-0.021876	-1.0478	12.356E-6
120.56205	105.77570	21.61000	0.28302	21.538	-0.017478	-0.92660	10.997E-6

123.12720	105.77570	21.61000	0.26762	21.538	-0.013947	-0.81879	9.7741E-6
125.69235	105.77570	21.61000	0.25211	21.538	-0.011143	-0.72374	8.6843E-6
128.25750	105.77570	21.61000	0.23673	21.538	-0.0089261	-0.64045	7.7200E-6
130.82265	105.77570	21.61000	0.22171	21.538	-0.0071780	-0.56771	6.8709E-6
133.38780	105.77570	21.61000	0.20720	21.538	-0.0057986	-0.50429	6.1252E-6
135.95295	105.77570	21.61000	0.19332	21.538	-0.0047079	-0.44903	5.4712E-6
138.51810	105.77570	21.61000	0.18015	21.538	-0.0038425	-0.40085	4.8978E-6
141.08325	105.77570	21.61000	0.16774	21.538	-0.0031530	-0.35880	4.3947E-6
143.64840	105.77570	21.61000	0.15611	21.538	-0.0026012	-0.32202	3.9529E-6
146.21355	105.77570	21.61000	0.14526	21.538	-0.0021574	-0.28979	3.5642E-6
148.77870	105.77570	21.61000	0.13516	21.538	-0.0017986	-0.26149	3.2217E-6
151.34385	105.77570	21.61000	0.12578	21.538	-0.0015071	-0.23657	2.9192E-6
153.90900	105.77570	21.61000	0.11710	21.538	-0.0012691	-0.21457	2.6515E-6 !
0.00000	108.23560	21.61000	0.11262	21.538	-986.52E-6	-0.17699	2.1893E-6
2.56515	108.23560	21.61000	0.12121	21.538	-0.0011986	-0.19627	2.4238E-6
5.13030	108.23560	21.61000	0.13051	21.538	-0.0014692	-0.21854	2.6938E-6
7.69545	108.23560	21.61000	0.14057	21.538	-0.0018183	-0.24442	3.0062E-6
10.26060	108.23560	21.61000	0.15140	21.538	-0.0022740	-0.27469	3.3698E-6
12.82575	108.23560	21.61000	0.16301	21.538	-0.0028765	-0.31034	3.7955E-6
15.39090	108.23560	21.61000	0.17537	21.538	-0.0036838	-0.35263	4.2970E-6
17.95605	108.23560	21.61000	0.18840	21.538	-0.0047815	-0.40320	4.8918E-6
20.52120	108.23560	21.61000	0.20196	21.538	-0.0062975	-0.46418	5.6018E-6
23.08635	108.23560	21.61000	0.21581	21.538	-0.0084254	-0.53838	6.4549E-6
25.65150	108.23560	21.61000	0.22956	21.538	-0.011463	-0.62947	7.4861E-6
28.21665	108.23560	21.61000	0.24266	21.538	-0.015876	-0.74231	8.7392E-6
30.78180	108.23560	21.61000	0.25429	21.538	-0.022394	-0.88329	10.267E-6
33.34695	108.23560	21.61000	0.26336	21.538	-0.032163	-1.0606	12.129E-6
35.91210	108.23560	21.61000	0.26845	21.538	-0.046963	-1.2844	14.385E-6
38.47725	108.23560	21.61000	0.26789	21.538	-0.069427	-1.5660	17.080E-6
41.04240	108.23560	21.61000	0.26003	21.538	-0.10306	-1.9158	20.211E-6
43.60755	108.23560	21.61000	0.24399	21.538	-0.15138	-2.3367	23.683E-6
46.17270	108.23560	21.61000	0.22081	21.538	-0.21512	-2.8137	27.278E-6
48.73785	108.23560	21.61000	0.19482	21.538	-0.28730	-3.3011	30.685E-6
51.30300	108.23560	21.61000	0.17372	21.538	-0.35070	-3.7231	33.601E-6
53.86815	108.23560	21.61000	0.16574	21.538	-0.38488	-3.9994	35.788E-6
56.43330	108.23560	21.61000	0.17527	21.538	-0.38022	-4.0869	37.064E-6
58.99845	108.23560	21.61000	0.20064	21.538	-0.34434	-3.9988	37.310E-6
61.56360	108.23560	21.61000	0.23608	21.538	-0.29367	-3.7861	36.547E-6
64.12875	108.23560	21.61000	0.27540	21.538	-0.24131	-3.5048	34.984E-6
66.69390	108.23560	21.61000	0.31400	21.538	-0.19334	-3.1982	32.937E-6
69.25905	108.23560	21.61000	0.34891	21.538	-0.15201	-2.8975	30.715E-6
71.82420	108.23560	21.61000	0.37824	21.538	-0.11839	-2.6257	28.563E-6
74.38935	108.23560	21.61000	0.40103	21.538	-0.092878	-2.3972	26.652E-6
76.95450	108.23560	21.61000	0.41709	21.538	-0.074979	-2.2183	25.077E-6
79.51965	108.23560	21.61000	0.42686	21.538	-0.063514	-2.0875	23.864E-6
82.08480	108.23560	21.61000	0.43107	21.538	-0.057004	-1.9982	22.986E-6
84.64995	108.23560	21.61000	0.43060	21.538	-0.053974	-1.9404	22.374E-6
87.21510	108.23560	21.61000	0.42633	21.538	-0.053078	-1.9028	21.935E-6

89.78025	108.23560	21.61000	0.41913	21.538	-0.053149	-1.8739	21.568E-6
92.34540	108.23560	21.61000	0.40985	21.538	-0.053230	-1.8429	21.175E-6
94.91055	108.23560	21.61000	0.39924	21.538	-0.052622	-1.8016	20.679E-6
97.47570	108.23560	21.61000	0.38790	21.538	-0.050920	-1.7446	20.025E-6
100.04085	108.23560	21.61000	0.37620	21.538	-0.048017	-1.6697	19.193E-6
102.60600	108.23560	21.61000	0.36427	21.538	-0.044061	-1.5780	18.188E-6
105.17115	108.23560	21.61000	0.35210	21.538	-0.039371	-1.4729	17.044E-6
107.73630	108.23560	21.61000	0.33958	21.538	-0.034337	-1.3592	15.803E-6
110.30145	108.23560	21.61000	0.32658	21.538	-0.029330	-1.2420	14.518E-6
112.86660	108.23560	21.61000	0.31304	21.538	-0.024635	-1.1258	13.233E-6
115.43175	108.23560	21.61000	0.29897	21.538	-0.020430	-1.0142	11.988E-6
117.99690	108.23560	21.61000	0.28446	21.538	-0.016791	-0.90966	10.810E-6
120.56205	108.23560	21.61000	0.26967	21.538	-0.013723	-0.81357	9.7169E-6
123.12720	108.23560	21.61000	0.25478	21.538	-0.011182	-0.72649	8.7173E-6
125.69235	108.23560	21.61000	0.23998	21.538	-0.0091057	-0.64838	7.8131E-6
128.25750	108.23560	21.61000	0.22544	21.538	-0.0074212	-0.57884	7.0018E-6
130.82265	108.23560	21.61000	0.21131	21.538	-0.0060610	-0.51721	6.2779E-6
133.38780	108.23560	21.61000	0.19770	21.538	-0.0049649	-0.46278	5.6345E-6
135.95295	108.23560	21.61000	0.18472	21.538	-0.0040815	-0.41478	5.0640E-6
138.51810	108.23560	21.61000	0.17240	21.538	-0.0033687	-0.37248	4.5587E-6
141.08325	108.23560	21.61000	0.16078	21.538	-0.0027921	-0.33519	4.1113E-6
143.64840	108.23560	21.61000	0.14988	21.538	-0.0023244	-0.30229	3.7152E-6
146.21355	108.23560	21.61000	0.13968	21.538	-0.0019435	-0.27324	3.3640E-6
148.77870	108.23560	21.61000	0.13018	21.538	-0.0016323	-0.24754	3.0525E-6
151.34385	108.23560	21.61000	0.12135	21.538	-0.0013769	-0.22476	2.7756E-6
153.90900	108.23560	21.61000	0.11315	21.538	-0.0011665	-0.20454	2.5291E-6 !
0.00000	110.69550	21.61000	0.10909	21.538	-927.49E-6	-0.17056	2.1107E-6
2.56515	110.69550	21.61000	0.11724	21.538	-0.0011211	-0.18862	2.3306E-6
5.13030	110.69550	21.61000	0.12604	21.538	-0.0013661	-0.20938	2.5825E-6
7.69545	110.69550	21.61000	0.13555	21.538	-0.0016794	-0.23336	2.8723E-6
10.26060	110.69550	21.61000	0.14576	21.538	-0.0020840	-0.26122	3.2076E-6
12.82575	110.69550	21.61000	0.15670	21.538	-0.0026124	-0.29378	3.5972E-6
15.39090	110.69550	21.61000	0.16834	21.538	-0.0033106	-0.33206	4.0524E-6
17.95605	110.69550	21.61000	0.18061	21.538	-0.0042443	-0.37736	4.5870E-6
20.52120	110.69550	21.61000	0.19341	21.538	-0.0055088	-0.43131	5.2181E-6
23.08635	110.69550	21.61000	0.20657	21.538	-0.0072431	-0.49602	5.9666E-6
25.65150	110.69550	21.61000	0.21979	21.538	-0.0096519	-0.57409	6.8579E-6
28.21665	110.69550	21.61000	0.23269	21.538	-0.013037	-0.66883	7.9220E-6
30.78180	110.69550	21.61000	0.24471	21.538	-0.017840	-0.78428	9.1931E-6
33.34695	110.69550	21.61000	0.25516	21.538	-0.024702	-0.92520	10.707E-6
35.91210	110.69550	21.61000	0.26320	21.538	-0.034509	-1.0968	12.495E-6
38.47725	110.69550	21.61000	0.26794	21.538	-0.048394	-1.3037	14.575E-6
41.04240	110.69550	21.61000	0.26868	21.538	-0.067560	-1.5484	16.930E-6
43.60755	110.69550	21.61000	0.26528	21.538	-0.092729	-1.8275	19.491E-6
46.17270	110.69550	21.61000	0.25867	21.538	-0.12307	-2.1275	22.120E-6
48.73785	110.69550	21.61000	0.25124	21.538	-0.15495	-2.4217	24.618E-6
51.30300	110.69550	21.61000	0.24654	21.538	-0.18198	-2.6731	26.760E-6
53.86815	110.69550	21.61000	0.24810	21.538	-0.19741	-2.8456	28.348E-6

56.43330	110.69550	21.61000	0.25781	21.538	-0.19791	-2.9187	29.249E-6
58.99845	110.69550	21.61000	0.27516	21.538	-0.18531	-2.8949	29.424E-6
61.56360	110.69550	21.61000	0.29776	21.538	-0.16463	-2.7942	28.939E-6
64.12875	110.69550	21.61000	0.32262	21.538	-0.14091	-2.6436	27.939E-6
66.69390	110.69550	21.61000	0.34713	21.538	-0.11752	-2.4680	26.613E-6
69.25905	110.69550	21.61000	0.36937	21.538	-0.096354	-2.2878	25.144E-6
71.82420	110.69550	21.61000	0.38803	21.538	-0.078445	-2.1183	23.688E-6
74.38935	110.69550	21.61000	0.40240	21.538	-0.064259	-1.9700	22.358E-6
76.95450	110.69550	21.61000	0.41225	21.538	-0.053778	-1.8481	21.220E-6
79.51965	110.69550	21.61000	0.41773	21.538	-0.046603	-1.7534	20.299E-6
82.08480	110.69550	21.61000	0.41921	21.538	-0.042110	-1.6830	19.583E-6
84.64995	110.69550	21.61000	0.41722	21.538	-0.039590	-1.6317	19.033E-6
87.21510	110.69550	21.61000	0.41232	21.538	-0.038343	-1.5930	18.594E-6
89.78025	110.69550	21.61000	0.40508	21.538	-0.037737	-1.5600	18.201E-6
92.34540	110.69550	21.61000	0.39606	21.538	-0.037238	-1.5263	17.795E-6
94.91055	110.69550	21.61000	0.38576	21.538	-0.036448	-1.4865	17.325E-6
97.47570	110.69550	21.61000	0.37457	21.538	-0.035126	-1.4373	16.755E-6
100.04085	110.69550	21.61000	0.36279	21.538	-0.033185	-1.3770	16.071E-6
102.60600	110.69550	21.61000	0.35056	21.538	-0.030673	-1.3061	15.274E-6
105.17115	110.69550	21.61000	0.33797	21.538	-0.027739	-1.2263	14.381E-6
107.73630	110.69550	21.61000	0.32503	21.538	-0.024577	-1.1404	13.419E-6
110.30145	110.69550	21.61000	0.31173	21.538	-0.021383	-1.0515	12.421E-6
112.86660	110.69550	21.61000	0.29809	21.538	-0.018323	-0.96254	11.417E-6
115.43175	110.69550	21.61000	0.28416	21.538	-0.015511	-0.87595	10.434E-6
117.99690	110.69550	21.61000	0.27004	21.538	-0.013010	-0.79362	9.4928E-6
120.56205	110.69550	21.61000	0.25584	21.538	-0.010844	-0.71675	8.6075E-6
123.12720	110.69550	21.61000	0.24170	21.538	-0.0090012	-0.64599	7.7869E-6
125.69235	110.69550	21.61000	0.22775	21.538	-0.0074564	-0.58157	7.0348E-6
128.25750	110.69550	21.61000	0.21413	21.538	-0.0061736	-0.52339	6.3513E-6
130.82265	110.69550	21.61000	0.20093	21.538	-0.0051152	-0.47115	5.7341E-6
133.38780	110.69550	21.61000	0.18826	21.538	-0.0042453	-0.42444	5.1793E-6
135.95295	110.69550	21.61000	0.17615	21.538	-0.0035316	-0.38279	4.6823E-6
138.51810	110.69550	21.61000	0.16467	21.538	-0.0029463	-0.34571	4.2378E-6
141.08325	110.69550	21.61000	0.15384	21.538	-0.0024660	-0.31271	3.8409E-6
143.64840	110.69550	21.61000	0.14365	21.538	-0.0020710	-0.28336	3.4865E-6
146.21355	110.69550	21.61000	0.13411	21.538	-0.0017457	-0.25723	3.1701E-6
148.77870	110.69550	21.61000	0.12519	21.538	-0.0014768	-0.23395	2.8874E-6
151.34385	110.69550	21.61000	0.11689	21.538	-0.0012540	-0.21320	2.6347E-6
153.90900	110.69550	21.61000	0.10916	21.538	-0.0010688	-0.19466	2.4085E-6 !
0.00000	113.15540	21.61000	0.10549	21.538	-867.13E-6	-0.16394	2.0297E-6
2.56515	113.15540	21.61000	0.11319	21.538	-0.0010423	-0.18078	2.2349E-6
5.13030	113.15540	21.61000	0.12150	21.538	-0.0012622	-0.20003	2.4687E-6
7.69545	113.15540	21.61000	0.13045	21.538	-0.0015404	-0.22212	2.7362E-6
10.26060	113.15540	21.61000	0.14006	21.538	-0.0018959	-0.24761	3.0434E-6
12.82575	113.15540	21.61000	0.15033	21.538	-0.0023541	-0.27715	3.3978E-6
15.39090	113.15540	21.61000	0.16124	21.538	-0.0029506	-0.31156	3.8082E-6
17.95605	113.15540	21.61000	0.17275	21.538	-0.0037346	-0.35185	4.2854E-6
20.52120	113.15540	21.61000	0.18479	21.538	-0.0047752	-0.39924	4.8423E-6

23.08635	113.15540	21.61000	0.19720	21.538	-0.0061692	-0.45524	5.4941E-6
25.65150	113.15540	21.61000	0.20981	21.538	-0.0080525	-0.52166	6.2587E-6
28.21665	113.15540	21.61000	0.22232	21.538	-0.010614	-0.60065	7.1557E-6
30.78180	113.15540	21.61000	0.23437	21.538	-0.014113	-0.69465	8.2062E-6
33.34695	113.15540	21.61000	0.24552	21.538	-0.018890	-0.80625	9.4298E-6
35.91210	113.15540	21.61000	0.25526	21.538	-0.025368	-0.93783	10.841E-6
38.47725	113.15540	21.61000	0.26313	21.538	-0.034003	-1.0908	12.440E-6
41.04240	113.15540	21.61000	0.26881	21.538	-0.045151	-1.2647	14.206E-6
43.60755	113.15540	21.61000	0.27234	21.538	-0.058801	-1.4549	16.084E-6
46.17270	113.15540	21.61000	0.27433	21.538	-0.074201	-1.6518	17.979E-6
48.73785	113.15540	21.61000	0.27601	21.538	-0.089579	-1.8399	19.765E-6
51.30300	113.15540	21.61000	0.27905	21.538	-0.10235	-1.9999	21.296E-6
53.86815	113.15540	21.61000	0.28501	21.538	-0.11002	-2.1143	22.446E-6
56.43330	113.15540	21.61000	0.29472	21.538	-0.11127	-2.1725	23.131E-6
58.99845	113.15540	21.61000	0.30797	21.538	-0.10655	-2.1743	23.331E-6
61.56360	113.15540	21.61000	0.32369	21.538	-0.097554	-2.1281	23.090E-6
64.12875	113.15540	21.61000	0.34038	21.538	-0.086315	-2.0474	22.499E-6
66.69390	113.15540	21.61000	0.35659	21.538	-0.074516	-1.9461	21.670E-6
69.25905	113.15540	21.61000	0.37114	21.538	-0.063324	-1.8370	20.720E-6
71.82420	113.15540	21.61000	0.38319	21.538	-0.053473	-1.7301	19.747E-6
74.38935	113.15540	21.61000	0.39225	21.538	-0.045354	-1.6327	18.828E-6
76.95450	113.15540	21.61000	0.39811	21.538	-0.039077	-1.5489	18.011E-6
79.51965	113.15540	21.61000	0.40082	21.538	-0.034528	-1.4801	17.317E-6
82.08480	113.15540	21.61000	0.40057	21.538	-0.031447	-1.4253	16.744E-6
84.64995	113.15540	21.61000	0.39767	21.538	-0.029491	-1.3818	16.270E-6
87.21510	113.15540	21.61000	0.39249	21.538	-0.028298	-1.3459	15.864E-6
89.78025	113.15540	21.61000	0.38542	21.538	-0.027519	-1.3136	15.486E-6
92.34540	113.15540	21.61000	0.37682	21.538	-0.026857	-1.2808	15.099E-6
94.91055	113.15540	21.61000	0.36703	21.538	-0.026081	-1.2444	14.671E-6
97.47570	113.15540	21.61000	0.35634	21.538	-0.025044	-1.2022	14.178E-6
100.04085	113.15540	21.61000	0.34498	21.538	-0.023681	-1.1529	13.610E-6
102.60600	113.15540	21.61000	0.33309	21.538	-0.022005	-1.0967	12.966E-6
105.17115	113.15540	21.61000	0.32078	21.538	-0.020083	-1.0345	12.256E-6
107.73630	113.15540	21.61000	0.30813	21.538	-0.018014	-0.96799	11.498E-6
110.30145	113.15540	21.61000	0.29518	21.538	-0.015906	-0.89906	10.710E-6
112.86660	113.15540	21.61000	0.28200	21.538	-0.013853	-0.82964	9.9142E-6
115.43175	113.15540	21.61000	0.26866	21.538	-0.011929	-0.76144	9.1288E-6
117.99690	113.15540	21.61000	0.25525	21.538	-0.010181	-0.69582	8.3693E-6
120.56205	113.15540	21.61000	0.24186	21.538	-0.0086301	-0.63376	7.6471E-6
123.12720	113.15540	21.61000	0.22861	21.538	-0.0072812	-0.57589	6.9700E-6
125.69235	113.15540	21.61000	0.21561	21.538	-0.0061248	-0.52251	6.3421E-6
128.25750	113.15540	21.61000	0.20294	21.538	-0.0051442	-0.47369	5.7649E-6
130.82265	113.15540	21.61000	0.19070	21.538	-0.0043192	-0.42934	5.2381E-6
133.38780	113.15540	21.61000	0.17893	21.538	-0.0036286	-0.38923	4.7597E-6
135.95295	113.15540	21.61000	0.16770	21.538	-0.0030526	-0.35310	4.3268E-6
138.51810	113.15540	21.61000	0.15704	21.538	-0.0025730	-0.32062	3.9363E-6
141.08325	113.15540	21.61000	0.14696	21.538	-0.0021737	-0.29146	3.5846E-6
143.64840	113.15540	21.61000	0.13747	21.538	-0.0018413	-0.26531	3.2681E-6

146.21355	113.15540	21.61000	0.12856	21.538	-0.0015642	-0.24186	2.9836E-6
148.77870	113.15540	21.61000	0.12022	21.538	-0.0013328	-0.22082	2.7277E-6
151.34385	113.15540	21.61000	0.11243	21.538	-0.0011392	-0.20194	2.4975E-6
153.90900	113.15540	21.61000	0.10517	21.538	-976.76E-6	-0.18498	2.2903E-6 !
0.00000	115.61530	21.61000	0.10184	21.538	-806.60E-6	-0.15721	1.9473E-6
2.56515	115.61530	21.61000	0.10911	21.538	-963.89E-6	-0.17284	2.1380E-6
5.13030	115.61530	21.61000	0.11693	21.538	-0.0011595	-0.19060	2.3540E-6
7.69545	115.61530	21.61000	0.12533	21.538	-0.0014045	-0.21086	2.5996E-6
10.26060	115.61530	21.61000	0.13433	21.538	-0.0017139	-0.23405	2.8797E-6
12.82575	115.61530	21.61000	0.14394	21.538	-0.0021074	-0.26072	3.2003E-6
15.39090	115.61530	21.61000	0.15413	21.538	-0.0026118	-0.29148	3.5683E-6
17.95605	115.61530	21.61000	0.16489	21.538	-0.0032633	-0.32711	3.9919E-6
20.52120	115.61530	21.61000	0.17615	21.538	-0.0041108	-0.36849	4.4806E-6
23.08635	115.61530	21.61000	0.18780	21.538	-0.0052198	-0.41670	5.0451E-6
25.65150	115.61530	21.61000	0.19971	21.538	-0.0066784	-0.47294	5.6976E-6
28.21665	115.61530	21.61000	0.21167	21.538	-0.0086014	-0.53854	6.4504E-6
30.78180	115.61530	21.61000	0.22345	21.538	-0.0111135	-0.61492	7.3156E-6
33.34695	115.61530	21.61000	0.23476	21.538	-0.014456	-0.70336	8.3028E-6
35.91210	115.61530	21.61000	0.24528	21.538	-0.018755	-0.80475	9.4160E-6
38.47725	115.61530	21.61000	0.25475	21.538	-0.024200	-0.91909	10.649E-6
41.04240	115.61530	21.61000	0.26300	21.538	-0.030858	-1.0449	11.980E-6
43.60755	115.61530	21.61000	0.27010	21.538	-0.038580	-1.1783	13.367E-6
46.17270	115.61530	21.61000	0.27635	21.538	-0.046876	-1.3127	14.745E-6
48.73785	115.61530	21.61000	0.28237	21.538	-0.054872	-1.4389	16.031E-6
51.30300	115.61530	21.61000	0.28894	21.538	-0.061446	-1.5466	17.137E-6
53.86815	115.61530	21.61000	0.29673	21.538	-0.065563	-1.6263	17.985E-6
56.43330	115.61530	21.61000	0.30611	21.538	-0.066662	-1.6723	18.522E-6
58.99845	115.61530	21.61000	0.31694	21.538	-0.064838	-1.6839	18.737E-6
61.56360	115.61530	21.61000	0.32869	21.538	-0.060719	-1.6650	18.654E-6
64.12875	115.61530	21.61000	0.34058	21.538	-0.055172	-1.6223	18.326E-6
66.69390	115.61530	21.61000	0.35179	21.538	-0.049023	-1.5638	17.822E-6
69.25905	115.61530	21.61000	0.36163	21.538	-0.042935	-1.4972	17.215E-6
71.82420	115.61530	21.61000	0.36956	21.538	-0.037370	-1.4292	16.569E-6
74.38935	115.61530	21.61000	0.37527	21.538	-0.032609	-1.3645	15.936E-6
76.95450	115.61530	21.61000	0.37860	21.538	-0.028772	-1.3064	15.349E-6
79.51965	115.61530	21.61000	0.37955	21.538	-0.025850	-1.2562	14.828E-6
82.08480	115.61530	21.61000	0.37825	21.538	-0.023737	-1.2138	14.374E-6
84.64995	115.61530	21.61000	0.37488	21.538	-0.022269	-1.1778	13.977E-6
87.21510	115.61530	21.61000	0.36968	21.538	-0.021257	-1.1462	13.617E-6
89.78025	115.61530	21.61000	0.36292	21.538	-0.020510	-1.1166	13.273E-6
92.34540	115.61530	21.61000	0.35484	21.538	-0.019859	-1.0867	12.921E-6
94.91055	115.61530	21.61000	0.34570	21.538	-0.019171	-1.0543	12.540E-6
97.47570	115.61530	21.61000	0.33570	21.538	-0.018353	-1.0181	12.116E-6
100.04085	115.61530	21.61000	0.32502	21.538	-0.017362	-0.97738	11.640E-6
102.60600	115.61530	21.61000	0.31380	21.538	-0.016197	-0.93199	11.113E-6
105.17115	115.61530	21.61000	0.30215	21.538	-0.014887	-0.88252	10.540E-6
107.73630	115.61530	21.61000	0.29017	21.538	-0.013485	-0.82994	9.9319E-6
110.30145	115.61530	21.61000	0.27793	21.538	-0.012049	-0.77549	9.3010E-6

112.86660	115.61530	21.61000	0.26551	21.538	-0.010636	-0.72043	8.6617E-6
115.43175	115.61530	21.61000	0.25299	21.538	-0.0092901	-0.66595	8.0272E-6
117.99690	115.61530	21.61000	0.24046	21.538	-0.0080454	-0.61305	7.4087E-6
120.56205	115.61530	21.61000	0.22801	21.538	-0.0069203	-0.56251	6.8152E-6
123.12720	115.61530	21.61000	0.21572	21.538	-0.0059224	-0.51484	6.2532E-6
125.69235	115.61530	21.61000	0.20369	21.538	-0.0050504	-0.47038	5.7268E-6
128.25750	115.61530	21.61000	0.19199	21.538	-0.0042971	-0.42927	5.2381E-6
130.82265	115.61530	21.61000	0.18067	21.538	-0.0036520	-0.39152	4.7876E-6
133.38780	115.61530	21.61000	0.16981	21.538	-0.0031030	-0.35704	4.3745E-6
135.95295	115.61530	21.61000	0.15942	21.538	-0.0026380	-0.32568	3.9975E-6
138.51810	115.61530	21.61000	0.14955	21.538	-0.0022451	-0.29723	3.6545E-6
141.08325	115.61530	21.61000	0.14020	21.538	-0.0019138	-0.27148	3.3430E-6
143.64840	115.61530	21.61000	0.13138	21.538	-0.0016345	-0.24821	3.0608E-6
146.21355	115.61530	21.61000	0.12308	21.538	-0.0013991	-0.22719	2.8053E-6
148.77870	115.61530	21.61000	0.11530	21.538	-0.0012004	-0.20821	2.5740E-6
151.34385	115.61530	21.61000	0.10801	21.538	-0.0010326	-0.19107	2.3647E-6
153.90900	115.61530	21.61000	0.10120	21.538	-890.65E-6	-0.17558	2.1753E-6 !
0.00000	118.07520	21.61000	0.098172	21.538	-746.91E-6	-0.15045	1.8645E-6
2.56515	118.07520	21.61000	0.10501	21.538	-887.15E-6	-0.16489	2.0409E-6
5.13030	118.07520	21.61000	0.11235	21.538	-0.0010599	-0.18121	2.2397E-6
7.69545	118.07520	21.61000	0.12022	21.538	-0.0012741	-0.19971	2.4642E-6
10.26060	118.07520	21.61000	0.12863	21.538	-0.0015412	-0.22072	2.7186E-6
12.82575	118.07520	21.61000	0.13758	21.538	-0.0018764	-0.24468	3.0073E-6
15.39090	118.07520	21.61000	0.14708	21.538	-0.0022996	-0.27207	3.3358E-6
17.95605	118.07520	21.61000	0.15709	21.538	-0.0028367	-0.30344	3.7102E-6
20.52120	118.07520	21.61000	0.16757	21.538	-0.0035215	-0.33944	4.1373E-6
23.08635	118.07520	21.61000	0.17844	21.538	-0.0043978	-0.38079	4.6245E-6
25.65150	118.07520	21.61000	0.18960	21.538	-0.0055209	-0.42828	5.1795E-6
28.21665	118.07520	21.61000	0.20090	21.538	-0.0069592	-0.48271	5.8100E-6
30.78180	118.07520	21.61000	0.21219	21.538	-0.0087931	-0.54483	6.5221E-6
33.34695	118.07520	21.61000	0.22326	21.538	-0.0111110	-0.61517	7.3196E-6
35.91210	118.07520	21.61000	0.23391	21.538	-0.013992	-0.69389	8.2012E-6
38.47725	118.07520	21.61000	0.24397	21.538	-0.017488	-0.78045	9.1582E-6
41.04240	118.07520	21.61000	0.25335	21.538	-0.021579	-0.87325	10.171E-6
43.60755	118.07520	21.61000	0.26204	21.538	-0.026127	-0.96937	11.209E-6
46.17270	118.07520	21.61000	0.27019	21.538	-0.030841	-1.0644	12.227E-6
48.73785	118.07520	21.61000	0.27808	21.538	-0.035274	-1.1528	13.171E-6
51.30300	118.07520	21.61000	0.28604	21.538	-0.038903	-1.2285	13.987E-6
53.86815	118.07520	21.61000	0.29437	21.538	-0.041265	-1.2864	14.625E-6
56.43330	118.07520	21.61000	0.30318	21.538	-0.042095	-1.3230	15.055E-6
58.99845	118.07520	21.61000	0.31237	21.538	-0.041406	-1.3378	15.267E-6
61.56360	118.07520	21.61000	0.32165	21.538	-0.039450	-1.3326	15.275E-6
64.12875	118.07520	21.61000	0.33057	21.538	-0.036616	-1.3109	15.109E-6
66.69390	118.07520	21.61000	0.33869	21.538	-0.033317	-1.2773	14.811E-6
69.25905	118.07520	21.61000	0.34559	21.538	-0.029919	-1.2366	14.428E-6
71.82420	118.07520	21.61000	0.35094	21.538	-0.026701	-1.1930	14.000E-6
74.38935	118.07520	21.61000	0.35454	21.538	-0.023849	-1.1497	13.564E-6
76.95450	118.07520	21.61000	0.35628	21.538	-0.021461	-1.1091	13.142E-6

79.51965	118.07520	21.61000	0.35617	21.538	-0.019559	-1.0722	12.751E-6
82.08480	118.07520	21.61000	0.35428	21.538	-0.018105	-1.0394	12.393E-6
84.64995	118.07520	21.61000	0.35073	21.538	-0.017021	-1.0101	12.064E-6
87.21510	118.07520	21.61000	0.34569	21.538	-0.016209	-0.98304	11.755E-6
89.78025	118.07520	21.61000	0.33933	21.538	-0.015564	-0.95697	11.451E-6
92.34540	118.07520	21.61000	0.33185	21.538	-0.014990	-0.93043	11.139E-6
94.91055	118.07520	21.61000	0.32341	21.538	-0.014408	-0.90218	10.806E-6
97.47570	118.07520	21.61000	0.31419	21.538	-0.013763	-0.87131	10.442E-6
100.04085	118.07520	21.61000	0.30431	21.538	-0.013025	-0.83733	10.042E-6
102.60600	118.07520	21.61000	0.29392	21.538	-0.012187	-0.80017	9.6063E-6
105.17115	118.07520	21.61000	0.28312	21.538	-0.011265	-0.76015	9.1376E-6
107.73630	118.07520	21.61000	0.27199	21.538	-0.010284	-0.71788	8.6429E-6
110.30145	118.07520	21.61000	0.26063	21.538	-0.0092784	-0.67416	8.1309E-6
112.86660	118.07520	21.61000	0.24912	21.538	-0.0082809	-0.62986	7.6112E-6
115.43175	118.07520	21.61000	0.23753	21.538	-0.0073205	-0.58579	7.0930E-6
117.99690	118.07520	21.61000	0.22596	21.538	-0.0064192	-0.54268	6.5848E-6
120.56205	118.07520	21.61000	0.21449	21.538	-0.0055918	-0.50114	6.0934E-6
123.12720	118.07520	21.61000	0.20318	21.538	-0.0048456	-0.46161	5.6242E-6
125.69235	118.07520	21.61000	0.19211	21.538	-0.0041826	-0.42438	5.1809E-6
128.25750	118.07520	21.61000	0.18135	21.538	-0.0036005	-0.38962	4.7656E-6
130.82265	118.07520	21.61000	0.17094	21.538	-0.0030940	-0.35740	4.3793E-6
133.38780	118.07520	21.61000	0.16094	21.538	-0.0026565	-0.32770	4.0222E-6
135.95295	118.07520	21.61000	0.15136	21.538	-0.0022805	-0.30044	3.6936E-6
138.51810	118.07520	21.61000	0.14224	21.538	-0.0019586	-0.27552	3.3921E-6
141.08325	118.07520	21.61000	0.13359	21.538	-0.0016838	-0.25278	3.1165E-6
143.64840	118.07520	21.61000	0.12541	21.538	-0.0014494	-0.23208	2.8649E-6
146.21355	118.07520	21.61000	0.11770	21.538	-0.0012497	-0.21326	2.6356E-6
148.77870	118.07520	21.61000	0.11045	21.538	-0.0010796	-0.19615	2.4269E-6
151.34385	118.07520	21.61000	0.10364	21.538	-934.48E-6	-0.18061	2.2368E-6
153.90900	118.07520	21.61000	0.097268	21.538	-810.67E-6	-0.16650	2.0639E-6 !
0.00000	120.53510	21.61000	0.094507	21.538	-688.90E-6	-0.14371	1.7819E-6
2.56515	120.53510	21.61000	0.10092	21.538	-813.18E-6	-0.15702	1.9446E-6
5.13030	120.53510	21.61000	0.10779	21.538	-964.82E-6	-0.17196	2.1269E-6
7.69545	120.53510	21.61000	0.11514	21.538	-0.0011508	-0.18878	2.3315E-6
10.26060	120.53510	21.61000	0.12298	21.538	-0.0013799	-0.20776	2.5616E-6
12.82575	120.53510	21.61000	0.13130	21.538	-0.0016637	-0.22922	2.8208E-6
15.39090	120.53510	21.61000	0.14012	21.538	-0.0020165	-0.25351	3.1131E-6
17.95605	120.53510	21.61000	0.14940	21.538	-0.0024567	-0.28105	3.4429E-6
20.52120	120.53510	21.61000	0.15911	21.538	-0.0030073	-0.31229	3.8151E-6
23.08635	120.53510	21.61000	0.16920	21.538	-0.0036968	-0.34770	4.2346E-6
25.65150	120.53510	21.61000	0.17958	21.538	-0.0045594	-0.38778	4.7062E-6
28.21665	120.53510	21.61000	0.19015	21.538	-0.0056349	-0.43297	5.2342E-6
30.78180	120.53510	21.61000	0.20079	21.538	-0.0069661	-0.48363	5.8212E-6
33.34695	120.53510	21.61000	0.21137	21.538	-0.0085945	-0.53990	6.4677E-6
35.91210	120.53510	21.61000	0.22173	21.538	-0.010551	-0.60160	7.1701E-6
38.47725	120.53510	21.61000	0.23177	21.538	-0.012841	-0.66804	7.9194E-6
41.04240	120.53510	21.61000	0.24138	21.538	-0.015428	-0.73785	8.6999E-6
43.60755	120.53510	21.61000	0.25055	21.538	-0.018211	-0.80886	9.4883E-6

46.17270	120.53510	21.61000	0.25931	21.538	-0.021017	-0.87815	10.254E-6
48.73785	120.53510	21.61000	0.26777	21.538	-0.023613	-0.94223	10.962E-6
51.30300	120.53510	21.61000	0.27605	21.538	-0.025738	-0.99750	11.577E-6
53.86815	120.53510	21.61000	0.28423	21.538	-0.027170	-1.0409	12.069E-6
56.43330	120.53510	21.61000	0.29235	21.538	-0.027777	-1.0704	12.418E-6
58.99845	120.53510	21.61000	0.30031	21.538	-0.027552	-1.0856	12.617E-6
61.56360	120.53510	21.61000	0.30792	21.538	-0.026604	-1.0871	12.672E-6
64.12875	120.53510	21.61000	0.31493	21.538	-0.025116	-1.0772	12.603E-6
66.69390	120.53510	21.61000	0.32107	21.538	-0.023302	-1.0584	12.435E-6
69.25905	120.53510	21.61000	0.32609	21.538	-0.021362	-1.0335	12.196E-6
71.82420	120.53510	21.61000	0.32980	21.538	-0.019462	-1.0054	11.914E-6
74.38935	120.53510	21.61000	0.33208	21.538	-0.017721	-0.97624	11.612E-6
76.95450	120.53510	21.61000	0.33285	21.538	-0.016210	-0.94758	11.309E-6
79.51965	120.53510	21.61000	0.33213	21.538	-0.014956	-0.92040	11.014E-6
82.08480	120.53510	21.61000	0.32996	21.538	-0.013949	-0.89501	10.733E-6
84.64995	120.53510	21.61000	0.32642	21.538	-0.013154	-0.87123	10.464E-6
87.21510	120.53510	21.61000	0.32165	21.538	-0.012521	-0.84849	10.202E-6
89.78025	120.53510	21.61000	0.31576	21.538	-0.011991	-0.82601	9.9387E-6
92.34540	120.53510	21.61000	0.30889	21.538	-0.011511	-0.80295	9.6668E-6
94.91055	120.53510	21.61000	0.30119	21.538	-0.011033	-0.77856	9.3780E-6
97.47570	120.53510	21.61000	0.29276	21.538	-0.010523	-0.75227	9.0665E-6
100.04085	120.53510	21.61000	0.28374	21.538	-0.0099629	-0.72377	8.7292E-6
102.60600	120.53510	21.61000	0.27423	21.538	-0.0093456	-0.69303	8.3657E-6
105.17115	120.53510	21.61000	0.26433	21.538	-0.0086774	-0.66022	7.9782E-6
107.73630	120.53510	21.61000	0.25413	21.538	-0.0079729	-0.62577	7.5713E-6
110.30145	120.53510	21.61000	0.24371	21.538	-0.0072508	-0.59018	7.1510E-6
112.86660	120.53510	21.61000	0.23315	21.538	-0.0065312	-0.55407	6.7238E-6
115.43175	120.53510	21.61000	0.22254	21.538	-0.0058324	-0.51801	6.2965E-6
117.99690	120.53510	21.61000	0.21194	21.538	-0.0051693	-0.48254	5.8754E-6
120.56205	120.53510	21.61000	0.20143	21.538	-0.0045525	-0.44812	5.4656E-6
123.12720	120.53510	21.61000	0.19108	21.538	-0.0039885	-0.41510	5.0716E-6
125.69235	120.53510	21.61000	0.18095	21.538	-0.0034802	-0.38376	4.6964E-6
128.25750	120.53510	21.61000	0.17109	21.538	-0.0030274	-0.35424	4.3421E-6
130.82265	120.53510	21.61000	0.16155	21.538	-0.0026278	-0.32665	4.0101E-6
133.38780	120.53510	21.61000	0.15236	21.538	-0.0022779	-0.30101	3.7007E-6
135.95295	120.53510	21.61000	0.14356	21.538	-0.0019733	-0.27729	3.4139E-6
138.51810	120.53510	21.61000	0.13515	21.538	-0.0017093	-0.25543	3.1488E-6
141.08325	120.53510	21.61000	0.12717	21.538	-0.0014812	-0.23535	2.9048E-6
143.64840	120.53510	21.61000	0.11959	21.538	-0.0012846	-0.21694	2.6806E-6
146.21355	120.53510	21.61000	0.11244	21.538	-0.0011154	-0.20008	2.4750E-6
148.77870	120.53510	21.61000	0.10570	21.538	-969.79E-6	-0.18468	2.2867E-6
151.34385	120.53510	21.61000	0.099352	21.538	-844.56E-6	-0.17060	2.1143E-6
153.90900	120.53510	21.61000	0.093394	21.538	-736.79E-6	-0.15775	1.9567E-6 !
0.00000	122.99500	21.61000	0.090866	21.538	-633.20E-6	-0.13706	1.7003E-6
2.56515	122.99500	21.61000	0.096870	21.538	-742.77E-6	-0.14928	1.8499E-6
5.13030	122.99500	21.61000	0.10329	21.538	-875.17E-6	-0.16292	2.0166E-6
7.69545	122.99500	21.61000	0.11013	21.538	-0.0010358	-0.17818	2.2025E-6
10.26060	122.99500	21.61000	0.11742	21.538	-0.0012314	-0.19527	2.4100E-6

12.82575	122.99500	21.61000	0.12514	21.538	-0.0014704	-0.21443	2.6421E-6
15.39090	122.99500	21.61000	0.13330	21.538	-0.0017632	-0.23593	2.9015E-6
17.95605	122.99500	21.61000	0.14188	21.538	-0.0021225	-0.26006	3.1915E-6
20.52120	122.99500	21.61000	0.15084	21.538	-0.0025639	-0.28713	3.5154E-6
23.08635	122.99500	21.61000	0.16015	21.538	-0.0031055	-0.31745	3.8763E-6
25.65150	122.99500	21.61000	0.16975	21.538	-0.0037681	-0.35129	4.2771E-6
28.21665	122.99500	21.61000	0.17955	21.538	-0.0045742	-0.38890	4.7198E-6
30.78180	122.99500	21.61000	0.18947	21.538	-0.0055459	-0.43040	5.2052E-6
33.34695	122.99500	21.61000	0.19939	21.538	-0.0067015	-0.47573	5.7319E-6
35.91210	122.99500	21.61000	0.20922	21.538	-0.0080495	-0.52459	6.2956E-6
38.47725	122.99500	21.61000	0.21885	21.538	-0.0095813	-0.57630	6.8883E-6
41.04240	122.99500	21.61000	0.22820	21.538	-0.011262	-0.62977	7.4976E-6
43.60755	122.99500	21.61000	0.23723	21.538	-0.013025	-0.68344	8.1062E-6
46.17270	122.99500	21.61000	0.24591	21.538	-0.014767	-0.73532	8.6932E-6
48.73785	122.99500	21.61000	0.25426	21.538	-0.016360	-0.78318	9.2351E-6
51.30300	122.99500	21.61000	0.26229	21.538	-0.017669	-0.82478	9.7090E-6
53.86815	122.99500	21.61000	0.27002	21.538	-0.018579	-0.85824	10.096E-6
56.43330	122.99500	21.61000	0.27740	21.538	-0.019023	-0.88230	10.382E-6
58.99845	122.99500	21.61000	0.28436	21.538	-0.018990	-0.89655	10.562E-6
61.56360	122.99500	21.61000	0.29076	21.538	-0.018530	-0.90142	10.641E-6
64.12875	122.99500	21.61000	0.29646	21.538	-0.017735	-0.89802	10.628E-6
66.69390	122.99500	21.61000	0.30129	21.538	-0.016716	-0.88795	10.540E-6
69.25905	122.99500	21.61000	0.30509	21.538	-0.015586	-0.87299	10.394E-6
71.82420	122.99500	21.61000	0.30776	21.538	-0.014443	-0.85485	10.209E-6
74.38935	122.99500	21.61000	0.30920	21.538	-0.013362	-0.83503	10.001E-6
76.95450	122.99500	21.61000	0.30940	21.538	-0.012391	-0.81466	9.7809E-6
79.51965	122.99500	21.61000	0.30835	21.538	-0.011554	-0.79447	9.5585E-6
82.08480	122.99500	21.61000	0.30610	21.538	-0.010852	-0.77478	9.3373E-6
84.64995	122.99500	21.61000	0.30271	21.538	-0.010271	-0.75559	9.1179E-6
87.21510	122.99500	21.61000	0.29827	21.538	-0.0097841	-0.73664	8.8978E-6
89.78025	122.99500	21.61000	0.29287	21.538	-0.0093606	-0.71750	8.6730E-6
92.34540	122.99500	21.61000	0.28663	21.538	-0.0089692	-0.69770	8.4387E-6
94.91055	122.99500	21.61000	0.27963	21.538	-0.0085825	-0.67679	8.1902E-6
97.47570	122.99500	21.61000	0.27200	21.538	-0.0081800	-0.65443	7.9241E-6
100.04085	122.99500	21.61000	0.26382	21.538	-0.0077488	-0.63043	7.6385E-6
102.60600	122.99500	21.61000	0.25519	21.538	-0.0072845	-0.60478	7.3333E-6
105.17115	122.99500	21.61000	0.24619	21.538	-0.0067894	-0.57761	7.0102E-6
107.73630	122.99500	21.61000	0.23692	21.538	-0.0062715	-0.54919	6.6722E-6
110.30145	122.99500	21.61000	0.22744	21.538	-0.0057417	-0.51990	6.3237E-6
112.86660	122.99500	21.61000	0.21783	21.538	-0.0052122	-0.49013	5.9692E-6
115.43175	122.99500	21.61000	0.20817	21.538	-0.0046948	-0.46033	5.6138E-6
117.99690	122.99500	21.61000	0.19852	21.538	-0.0041994	-0.43088	5.2620E-6
120.56205	122.99500	21.61000	0.18894	21.538	-0.0037337	-0.40213	4.9180E-6
123.12720	122.99500	21.61000	0.17951	21.538	-0.0033028	-0.37438	4.5851E-6
125.69235	122.99500	21.61000	0.17027	21.538	-0.0029097	-0.34784	4.2660E-6
128.25750	122.99500	21.61000	0.16126	21.538	-0.0025550	-0.32267	3.9628E-6
130.82265	122.99500	21.61000	0.15253	21.538	-0.0022382	-0.29896	3.6765E-6
133.38780	122.99500	21.61000	0.14412	21.538	-0.0019573	-0.27676	3.4078E-6

135.95295	122.99500	21.61000	0.13603	21.538	-0.0017098	-0.25608	3.1570E-6
138.51810	122.99500	21.61000	0.12831	21.538	-0.0014929	-0.23689	2.9238E-6
141.08325	122.99500	21.61000	0.12094	21.538	-0.0013034	-0.21914	2.7076E-6
143.64840	122.99500	21.61000	0.11395	21.538	-0.0011384	-0.20276	2.5077E-6
146.21355	122.99500	21.61000	0.10732	21.538	-995.05E-6	-0.18767	2.3234E-6
148.77870	122.99500	21.61000	0.10106	21.538	-870.56E-6	-0.17380	2.1536E-6
151.34385	122.99500	21.61000	0.095153	21.538	-762.57E-6	-0.16106	1.9974E-6
153.90900	122.99500	21.61000	0.089594	21.538	-668.90E-6	-0.14937	1.8538E-6 !
0.00000	125.45490	21.61000	0.087267	21.538	-580.31E-6	-0.13053	1.6202E-6
2.56515	125.45490	21.61000	0.092877	21.538	-676.49E-6	-0.14173	1.7575E-6
5.13030	125.45490	21.61000	0.098858	21.538	-791.59E-6	-0.15416	1.9095E-6
7.69545	125.45490	21.61000	0.10522	21.538	-929.76E-6	-0.16797	2.0780E-6
10.26060	125.45490	21.61000	0.11197	21.538	-0.0010961	-0.18332	2.2649E-6
12.82575	125.45490	21.61000	0.11912	21.538	-0.0012966	-0.20040	2.4722E-6
15.39090	125.45490	21.61000	0.12665	21.538	-0.0015389	-0.21940	2.7020E-6
17.95605	125.45490	21.61000	0.13455	21.538	-0.0018316	-0.24053	2.9568E-6
20.52120	125.45490	21.61000	0.14281	21.538	-0.0021849	-0.26398	3.2384E-6
23.08635	125.45490	21.61000	0.15137	21.538	-0.0026104	-0.28995	3.5490E-6
25.65150	125.45490	21.61000	0.16019	21.538	-0.0031204	-0.31858	3.8901E-6
28.21665	125.45490	21.61000	0.16922	21.538	-0.0037273	-0.34999	4.2623E-6
30.78180	125.45490	21.61000	0.17837	21.538	-0.0044419	-0.38416	4.6652E-6
33.34695	125.45490	21.61000	0.18756	21.538	-0.0052711	-0.42096	5.0968E-6
35.91210	125.45490	21.61000	0.19671	21.538	-0.0062143	-0.46005	5.5530E-6
38.47725	125.45490	21.61000	0.20574	21.538	-0.0072600	-0.50085	6.0267E-6
41.04240	125.45490	21.61000	0.21456	21.538	-0.0083811	-0.54251	6.5085E-6
43.60755	125.45490	21.61000	0.22312	21.538	-0.0095331	-0.58389	6.9857E-6
46.17270	125.45490	21.61000	0.23136	21.538	-0.010655	-0.62365	7.4435E-6
48.73785	125.45490	21.61000	0.23927	21.538	-0.011673	-0.66030	7.8662E-6
51.30300	125.45490	21.61000	0.24679	21.538	-0.012515	-0.69242	8.2384E-6
53.86815	125.45490	21.61000	0.25391	21.538	-0.013118	-0.71879	8.5474E-6
56.43330	125.45490	21.61000	0.26057	21.538	-0.013445	-0.73860	8.7842E-6
58.99845	125.45490	21.61000	0.26669	21.538	-0.013489	-0.75153	8.9453E-6
61.56360	125.45490	21.61000	0.27218	21.538	-0.013273	-0.75780	9.0323E-6
64.12875	125.45490	21.61000	0.27693	21.538	-0.012844	-0.75803	9.0514E-6
66.69390	125.45490	21.61000	0.28085	21.538	-0.012264	-0.75319	9.0123E-6
69.25905	125.45490	21.61000	0.28383	21.538	-0.011595	-0.74438	8.9268E-6
71.82420	125.45490	21.61000	0.28581	21.538	-0.010896	-0.73271	8.8064E-6
74.38935	125.45490	21.61000	0.28674	21.538	-0.010213	-0.71919	8.6621E-6
76.95450	125.45490	21.61000	0.28661	21.538	-0.0095800	-0.70460	8.5025E-6
79.51965	125.45490	21.61000	0.28543	21.538	-0.0090146	-0.68950	8.3338E-6
82.08480	125.45490	21.61000	0.28322	21.538	-0.0085218	-0.67418	8.1596E-6
84.64995	125.45490	21.61000	0.28004	21.538	-0.0080961	-0.65871	7.9811E-6
87.21510	125.45490	21.61000	0.27597	21.538	-0.0077247	-0.64300	7.7974E-6
89.78025	125.45490	21.61000	0.27106	21.538	-0.0073909	-0.62683	7.6066E-6
92.34540	125.45490	21.61000	0.26542	21.538	-0.0070771	-0.60994	7.4061E-6
94.91055	125.45490	21.61000	0.25911	21.538	-0.0067672	-0.59209	7.1932E-6
97.47570	125.45490	21.61000	0.25223	21.538	-0.0064488	-0.57307	6.9660E-6
100.04085	125.45490	21.61000	0.24485	21.538	-0.0061138	-0.55280	6.7235E-6

102.60600	125.45490	21.61000	0.23706	21.538	-0.0057590	-0.53126	6.4659E-6
105.17115	125.45490	21.61000	0.22894	21.538	-0.0053853	-0.50856	6.1945E-6
107.73630	125.45490	21.61000	0.22055	21.538	-0.0049971	-0.48490	5.9115E-6
110.30145	125.45490	21.61000	0.21198	21.538	-0.0046009	-0.46054	5.6200E-6
112.86660	125.45490	21.61000	0.20328	21.538	-0.0042044	-0.43578	5.3234E-6
115.43175	125.45490	21.61000	0.19452	21.538	-0.0038151	-0.41092	5.0254E-6
117.99690	125.45490	21.61000	0.18577	21.538	-0.0034397	-0.38626	4.7294E-6
120.56205	125.45490	21.61000	0.17708	21.538	-0.0030838	-0.36208	4.4387E-6
123.12720	125.45490	21.61000	0.16850	21.538	-0.0027513	-0.33861	4.1559E-6
125.69235	125.45490	21.61000	0.16009	21.538	-0.0024446	-0.31602	3.8834E-6
128.25750	125.45490	21.61000	0.15189	21.538	-0.0021649	-0.29446	3.6227E-6
130.82265	125.45490	21.61000	0.14392	21.538	-0.0019122	-0.27402	3.3750E-6
133.38780	125.45490	21.61000	0.13622	21.538	-0.0016857	-0.25475	3.1412E-6
135.95295	125.45490	21.61000	0.12882	21.538	-0.0014840	-0.23668	2.9215E-6
138.51810	125.45490	21.61000	0.12172	21.538	-0.0013053	-0.21981	2.7159E-6
141.08325	125.45490	21.61000	0.11494	21.538	-0.0011477	-0.20410	2.5243E-6
143.64840	125.45490	21.61000	0.10849	21.538	-0.0010091	-0.18952	2.3461E-6
146.21355	125.45490	21.61000	0.10236	21.538	-887.59E-6	-0.17601	2.1808E-6
148.77870	125.45490	21.61000	0.096549	21.538	-781.18E-6	-0.16353	2.0277E-6
151.34385	125.45490	21.61000	0.091060	21.538	-688.11E-6	-0.15200	1.8862E-6
153.90900	125.45490	21.61000	0.085881	21.538	-606.77E-6	-0.14137	1.7555E-6 !
0.00000	127.91480	21.61000	0.083727	21.538	-530.54E-6	-0.12418	1.5421E-6
2.56515	127.91480	21.61000	0.088959	21.538	-614.65E-6	-0.13442	1.6678E-6
5.13030	127.91480	21.61000	0.094523	21.538	-714.38E-6	-0.14572	1.8062E-6
7.69545	127.91480	21.61000	0.10043	21.538	-832.85E-6	-0.15819	1.9586E-6
10.26060	127.91480	21.61000	0.10668	21.538	-973.83E-6	-0.17197	2.1266E-6
12.82575	127.91480	21.61000	0.11327	21.538	-0.0011418	-0.18717	2.3116E-6
15.39090	127.91480	21.61000	0.12021	21.538	-0.0013418	-0.20396	2.5151E-6
17.95605	127.91480	21.61000	0.12747	21.538	-0.0015800	-0.22244	2.7388E-6
20.52120	127.91480	21.61000	0.13504	21.538	-0.0018630	-0.24277	2.9838E-6
23.08635	127.91480	21.61000	0.14289	21.538	-0.0021978	-0.26505	3.2514E-6
25.65150	127.91480	21.61000	0.15097	21.538	-0.0025917	-0.28934	3.5422E-6
28.21665	127.91480	21.61000	0.15923	21.538	-0.0030513	-0.31568	3.8561E-6
30.78180	127.91480	21.61000	0.16762	21.538	-0.0035814	-0.34398	4.1922E-6
33.34695	127.91480	21.61000	0.17605	21.538	-0.0041834	-0.37409	4.5483E-6
35.91210	127.91480	21.61000	0.18447	21.538	-0.0048539	-0.40569	4.9204E-6
38.47725	127.91480	21.61000	0.19280	21.538	-0.0055820	-0.43829	5.3031E-6
41.04240	127.91480	21.61000	0.20096	21.538	-0.0063481	-0.47125	5.6888E-6
43.60755	127.91480	21.61000	0.20890	21.538	-0.0071229	-0.50374	6.0683E-6
46.17270	127.91480	21.61000	0.21654	21.538	-0.0078690	-0.53483	6.4312E-6
48.73785	127.91480	21.61000	0.22385	21.538	-0.0085438	-0.56350	6.7665E-6
51.30300	127.91480	21.61000	0.23076	21.538	-0.0091056	-0.58882	7.0638E-6
53.86815	127.91480	21.61000	0.23722	21.538	-0.0095197	-0.60999	7.3144E-6
56.43330	127.91480	21.61000	0.24319	21.538	-0.0097644	-0.62645	7.5123E-6
58.99845	127.91480	21.61000	0.24859	21.538	-0.0098348	-0.63797	7.6545E-6
61.56360	127.91480	21.61000	0.25334	21.538	-0.0097422	-0.64463	7.7418E-6
64.12875	127.91480	21.61000	0.25739	21.538	-0.0095120	-0.64680	7.7778E-6
66.69390	127.91480	21.61000	0.26065	21.538	-0.0091777	-0.64506	7.7686E-6

69.25905	127.91480	21.61000	0.26306	21.538	-0.0087762	-0.64012	7.7215E-6
71.82420	127.91480	21.61000	0.26459	21.538	-0.0083424	-0.63268	7.6444E-6
74.38935	127.91480	21.61000	0.26520	21.538	-0.0079054	-0.62343	7.5445E-6
76.95450	127.91480	21.61000	0.26490	21.538	-0.0074871	-0.61291	7.4280E-6
79.51965	127.91480	21.61000	0.26369	21.538	-0.0071007	-0.60154	7.2995E-6
82.08480	127.91480	21.61000	0.26160	21.538	-0.0067516	-0.58956	7.1619E-6
84.64995	127.91480	21.61000	0.25868	21.538	-0.0064388	-0.57708	7.0167E-6
87.21510	127.91480	21.61000	0.25497	21.538	-0.0061563	-0.56408	6.8639E-6
89.78025	127.91480	21.61000	0.25055	21.538	-0.0058953	-0.55048	6.7026E-6
92.34540	127.91480	21.61000	0.24547	21.538	-0.0056458	-0.53614	6.5316E-6
94.91055	127.91480	21.61000	0.23981	21.538	-0.0053987	-0.52093	6.3496E-6
97.47570	127.91480	21.61000	0.23363	21.538	-0.0051465	-0.50476	6.1557E-6
100.04085	127.91480	21.61000	0.22700	21.538	-0.0048842	-0.48757	5.9493E-6
102.60600	127.91480	21.61000	0.22000	21.538	-0.0046096	-0.46938	5.7310E-6
105.17115	127.91480	21.61000	0.21269	21.538	-0.0043231	-0.45029	5.5016E-6
107.73630	127.91480	21.61000	0.20514	21.538	-0.0040273	-0.43044	5.2630E-6
110.30145	127.91480	21.61000	0.19741	21.538	-0.0037262	-0.41001	5.0174E-6
112.86660	127.91480	21.61000	0.18956	21.538	-0.0034246	-0.38923	4.7674E-6
115.43175	127.91480	21.61000	0.18165	21.538	-0.0031275	-0.36834	4.5157E-6
117.99690	127.91480	21.61000	0.17373	21.538	-0.0028394	-0.34755	4.2650E-6
120.56205	127.91480	21.61000	0.16587	21.538	-0.0025642	-0.32707	4.0179E-6
123.12720	127.91480	21.61000	0.15809	21.538	-0.0023050	-0.30710	3.7764E-6
125.69235	127.91480	21.61000	0.15045	21.538	-0.0020637	-0.28778	3.5425E-6
128.25750	127.91480	21.61000	0.14299	21.538	-0.0018416	-0.26924	3.3175E-6
130.82265	127.91480	21.61000	0.13572	21.538	-0.0016389	-0.25155	3.1027E-6
133.38780	127.91480	21.61000	0.12869	21.538	-0.0014554	-0.23478	2.8986E-6
135.95295	127.91480	21.61000	0.12192	21.538	-0.0012904	-0.21895	2.7057E-6
138.51810	127.91480	21.61000	0.11541	21.538	-0.0011429	-0.20409	2.5243E-6
141.08325	127.91480	21.61000	0.10917	21.538	-0.0010115	-0.19017	2.3542E-6
143.64840	127.91480	21.61000	0.10322	21.538	-894.97E-6	-0.17718	2.1951E-6
146.21355	127.91480	21.61000	0.097560	21.538	-791.89E-6	-0.16508	2.0469E-6
148.77870	127.91480	21.61000	0.092182	21.538	-700.90E-6	-0.15384	1.9089E-6
151.34385	127.91480	21.61000	0.087086	21.538	-620.71E-6	-0.14341	1.7807E-6
153.90900	127.91480	21.61000	0.082265	21.538	-550.12E-6	-0.13375	1.6618E-6 !
0.00000	130.37470	21.61000	0.080260	21.538	-484.06E-6	-0.11802	1.4664E-6
2.56515	130.37470	21.61000	0.085131	21.538	-557.43E-6	-0.12737	1.5813E-6
5.13030	130.37470	21.61000	0.090298	21.538	-643.60E-6	-0.13763	1.7071E-6
7.69545	130.37470	21.61000	0.095767	21.538	-744.95E-6	-0.14888	1.8449E-6
10.26060	130.37470	21.61000	0.10154	21.538	-864.24E-6	-0.16123	1.9957E-6
12.82575	130.37470	21.61000	0.10762	21.538	-0.0010047	-0.17476	2.1606E-6
15.39090	130.37470	21.61000	0.11399	21.538	-0.0011698	-0.18958	2.3408E-6
17.95605	130.37470	21.61000	0.12066	21.538	-0.0013637	-0.20577	2.5372E-6
20.52120	130.37470	21.61000	0.12759	21.538	-0.0015906	-0.22341	2.7506E-6
23.08635	130.37470	21.61000	0.13475	21.538	-0.0018549	-0.24256	2.9815E-6
25.65150	130.37470	21.61000	0.14213	21.538	-0.0021606	-0.26324	3.2301E-6
28.21665	130.37470	21.61000	0.14966	21.538	-0.0025110	-0.28542	3.4959E-6
30.78180	130.37470	21.61000	0.15730	21.538	-0.0029078	-0.30902	3.7777E-6
33.34695	130.37470	21.61000	0.16500	21.538	-0.0033503	-0.33384	4.0734E-6

35.91210	130.37470	21.61000	0.17268	21.538	-0.0038343	-0.35963	4.3796E-6
38.47725	130.37470	21.61000	0.18028	21.538	-0.0043509	-0.38600	4.6917E-6
41.04240	130.37470	21.61000	0.18774	21.538	-0.0048862	-0.41244	5.0042E-6
43.60755	130.37470	21.61000	0.19499	21.538	-0.0054210	-0.43836	5.3101E-6
46.17270	130.37470	21.61000	0.20198	21.538	-0.0059319	-0.46309	5.6019E-6
48.73785	130.37470	21.61000	0.20863	21.538	-0.0063933	-0.48594	5.8719E-6
51.30300	130.37470	21.61000	0.21490	21.538	-0.0067806	-0.50626	6.1129E-6
53.86815	130.37470	21.61000	0.22072	21.538	-0.0070735	-0.52350	6.3187E-6
56.43330	130.37470	21.61000	0.22605	21.538	-0.0072593	-0.53729	6.4852E-6
58.99845	130.37470	21.61000	0.23082	21.538	-0.0073344	-0.54744	6.6101E-6
61.56360	130.37470	21.61000	0.23498	21.538	-0.0073045	-0.55398	6.6934E-6
64.12875	130.37470	21.61000	0.23846	21.538	-0.0071835	-0.55711	6.7374E-6
66.69390	130.37470	21.61000	0.24123	21.538	-0.0069906	-0.55720	6.7458E-6
69.25905	130.37470	21.61000	0.24323	21.538	-0.0067472	-0.55468	6.7233E-6
71.82420	130.37470	21.61000	0.24445	21.538	-0.0064746	-0.55002	6.6750E-6
74.38935	130.37470	21.61000	0.24487	21.538	-0.0061911	-0.54369	6.6060E-6
76.95450	130.37470	21.61000	0.24449	21.538	-0.0059111	-0.53606	6.5206E-6
79.51965	130.37470	21.61000	0.24332	21.538	-0.0056441	-0.52744	6.4222E-6
82.08480	130.37470	21.61000	0.24139	21.538	-0.0053948	-0.51802	6.3132E-6
84.64995	130.37470	21.61000	0.23873	21.538	-0.0051639	-0.50793	6.1949E-6
87.21510	130.37470	21.61000	0.23539	21.538	-0.0049490	-0.49718	6.0678E-6
89.78025	130.37470	21.61000	0.23142	21.538	-0.0047455	-0.48576	5.9318E-6
92.34540	130.37470	21.61000	0.22687	21.538	-0.0045481	-0.47360	5.7864E-6
94.91055	130.37470	21.61000	0.22180	21.538	-0.0043515	-0.46066	5.6310E-6
97.47570	130.37470	21.61000	0.21627	21.538	-0.0041513	-0.44689	5.4653E-6
100.04085	130.37470	21.61000	0.21034	21.538	-0.0039446	-0.43228	5.2893E-6
102.60600	130.37470	21.61000	0.20406	21.538	-0.0037299	-0.41686	5.1034E-6
105.17115	130.37470	21.61000	0.19751	21.538	-0.0035075	-0.40071	4.9086E-6
107.73630	130.37470	21.61000	0.19072	21.538	-0.0032790	-0.38393	4.7062E-6
110.30145	130.37470	21.61000	0.18377	21.538	-0.0030469	-0.36668	4.4979E-6
112.86660	130.37470	21.61000	0.17670	21.538	-0.0028143	-0.34912	4.2858E-6
115.43175	130.37470	21.61000	0.16957	21.538	-0.0025845	-0.33143	4.0720E-6
117.99690	130.37470	21.61000	0.16243	21.538	-0.0023607	-0.31379	3.8584E-6
120.56205	130.37470	21.61000	0.15531	21.538	-0.0021458	-0.29635	3.6471E-6
123.12720	130.37470	21.61000	0.14827	21.538	-0.0019418	-0.27926	3.4399E-6
125.69235	130.37470	21.61000	0.14135	21.538	-0.0017504	-0.26266	3.2382E-6
128.25750	130.37470	21.61000	0.13456	21.538	-0.0015728	-0.24664	3.0434E-6
130.82265	130.37470	21.61000	0.12795	21.538	-0.0014092	-0.23128	2.8564E-6
133.38780	130.37470	21.61000	0.12154	21.538	-0.0012599	-0.21664	2.6778E-6
135.95295	130.37470	21.61000	0.11534	21.538	-0.0011244	-0.20275	2.5082E-6
138.51810	130.37470	21.61000	0.10937	21.538	-0.0010022	-0.18963	2.3477E-6
141.08325	130.37470	21.61000	0.10365	21.538	-892.48E-6	-0.17728	2.1965E-6
143.64840	130.37470	21.61000	0.098168	21.538	-794.33E-6	-0.16570	2.0545E-6
146.21355	130.37470	21.61000	0.092941	21.538	-706.81E-6	-0.15486	1.9214E-6
148.77870	130.37470	21.61000	0.087964	21.538	-628.97E-6	-0.14473	1.7970E-6
151.34385	130.37470	21.61000	0.083237	21.538	-559.86E-6	-0.13529	1.6809E-6
153.90900	130.37470	21.61000	0.078754	21.538	-498.59E-6	-0.12651	1.5727E-6 !
0.00000	132.83460	21.61000	0.076876	21.538	-440.96E-6	-0.11208	1.3934E-6

2.56515	132.83460	21.61000	0.081405	21.538	-504.81E-6	-0.12061	1.4982E-6
5.13030	132.83460	21.61000	0.086197	21.538	-579.13E-6	-0.12991	1.6125E-6
7.69545	132.83460	21.61000	0.091255	21.538	-665.69E-6	-0.14006	1.7369E-6
10.26060	132.83460	21.61000	0.096582	21.538	-766.52E-6	-0.15112	1.8722E-6
12.82575	132.83460	21.61000	0.10217	21.538	-883.87E-6	-0.16317	2.0193E-6
15.39090	132.83460	21.61000	0.10803	21.538	-0.0010202	-0.17625	2.1788E-6
17.95605	132.83460	21.61000	0.11412	21.538	-0.0011783	-0.19045	2.3514E-6
20.52120	132.83460	21.61000	0.12045	21.538	-0.0013607	-0.20578	2.5374E-6
23.08635	132.83460	21.61000	0.12699	21.538	-0.0015700	-0.22229	2.7372E-6
25.65150	132.83460	21.61000	0.13370	21.538	-0.0018086	-0.23995	2.9504E-6
28.21665	132.83460	21.61000	0.14055	21.538	-0.0020777	-0.25872	3.1764E-6
30.78180	132.83460	21.61000	0.14749	21.538	-0.0023777	-0.27851	3.4139E-6
33.34695	132.83460	21.61000	0.15447	21.538	-0.0027069	-0.29914	3.6611E-6
35.91210	132.83460	21.61000	0.16143	21.538	-0.0030615	-0.32039	3.9150E-6
38.47725	132.83460	21.61000	0.16833	21.538	-0.0034346	-0.34195	4.1722E-6
41.04240	132.83460	21.61000	0.17509	21.538	-0.0038165	-0.36343	4.4280E-6
43.60755	132.83460	21.61000	0.18166	21.538	-0.0041944	-0.38440	4.6775E-6
46.17270	132.83460	21.61000	0.18798	21.538	-0.0045534	-0.40437	4.9152E-6
48.73785	132.83460	21.61000	0.19399	21.538	-0.0048777	-0.42286	5.1355E-6
51.30300	132.83460	21.61000	0.19963	21.538	-0.0051523	-0.43940	5.3333E-6
53.86815	132.83460	21.61000	0.20485	21.538	-0.0053650	-0.45363	5.5042E-6
56.43330	132.83460	21.61000	0.20960	21.538	-0.0055079	-0.46526	5.6452E-6
58.99845	132.83460	21.61000	0.21382	21.538	-0.0055786	-0.47416	5.7545E-6
61.56360	132.83460	21.61000	0.21747	21.538	-0.0055800	-0.48032	5.8319E-6
64.12875	132.83460	21.61000	0.22050	21.538	-0.0055197	-0.48385	5.8786E-6
66.69390	132.83460	21.61000	0.22289	21.538	-0.0054089	-0.48497	5.8969E-6
69.25905	132.83460	21.61000	0.22459	21.538	-0.0052605	-0.48397	5.8899E-6
71.82420	132.83460	21.61000	0.22559	21.538	-0.0050875	-0.48115	5.8609E-6
74.38935	132.83460	21.61000	0.22589	21.538	-0.0049014	-0.47682	5.8135E-6
76.95450	132.83460	21.61000	0.22549	21.538	-0.0047117	-0.47126	5.7507E-6
79.51965	132.83460	21.61000	0.22440	21.538	-0.0045252	-0.46468	5.6749E-6
82.08480	132.83460	21.61000	0.22264	21.538	-0.0043456	-0.45724	5.5882E-6
84.64995	132.83460	21.61000	0.22025	21.538	-0.0041742	-0.44905	5.4916E-6
87.21510	132.83460	21.61000	0.21725	21.538	-0.0040104	-0.44015	5.3858E-6
89.78025	132.83460	21.61000	0.21370	21.538	-0.0038519	-0.43056	5.2711E-6
92.34540	132.83460	21.61000	0.20964	21.538	-0.0036959	-0.42027	5.1475E-6
94.91055	132.83460	21.61000	0.20511	21.538	-0.0035395	-0.40925	5.0149E-6
97.47570	132.83460	21.61000	0.20017	21.538	-0.0033803	-0.39752	4.8732E-6
100.04085	132.83460	21.61000	0.19487	21.538	-0.0032165	-0.38506	4.7228E-6
102.60600	132.83460	21.61000	0.18925	21.538	-0.0030472	-0.37194	4.5640E-6
105.17115	132.83460	21.61000	0.18338	21.538	-0.0028728	-0.35820	4.3978E-6
107.73630	132.83460	21.61000	0.17730	21.538	-0.0026941	-0.34394	4.2252E-6
110.30145	132.83460	21.61000	0.17106	21.538	-0.0025130	-0.32928	4.0476E-6
112.86660	132.83460	21.61000	0.16470	21.538	-0.0023314	-0.31435	3.8666E-6
115.43175	132.83460	21.61000	0.15828	21.538	-0.0021517	-0.29928	3.6838E-6
117.99690	132.83460	21.61000	0.15184	21.538	-0.0019760	-0.28421	3.5009E-6
120.56205	132.83460	21.61000	0.14542	21.538	-0.0018064	-0.26928	3.3194E-6
123.12720	132.83460	21.61000	0.13905	21.538	-0.0016445	-0.25459	3.1407E-6

125.69235	132.83460	21.61000	0.13277	21.538	-0.0014915	-0.24026	2.9662E-6
128.25750	132.83460	21.61000	0.12661	21.538	-0.0013485	-0.22636	2.7968E-6
130.82265	132.83460	21.61000	0.12060	21.538	-0.0012158	-0.21298	2.6335E-6
133.38780	132.83460	21.61000	0.11475	21.538	-0.0010937	-0.20016	2.4768E-6
135.95295	132.83460	21.61000	0.10909	21.538	-981.99E-6	-0.18794	2.3273E-6
138.51810	132.83460	21.61000	0.10362	21.538	-880.44E-6	-0.17634	2.1852E-6
141.08325	132.83460	21.61000	0.098367	21.538	-788.53E-6	-0.16537	2.0506E-6
143.64840	132.83460	21.61000	0.093326	21.538	-705.69E-6	-0.15503	1.9236E-6
146.21355	132.83460	21.61000	0.088503	21.538	-631.28E-6	-0.14530	1.8041E-6
148.77870	132.83460	21.61000	0.083902	21.538	-564.62E-6	-0.13618	1.6918E-6
151.34385	132.83460	21.61000	0.079520	21.538	-505.03E-6	-0.12763	1.5866E-6
153.90900	132.83460	21.61000	0.075355	21.538	-451.86E-6	-0.11965	1.4881E-6 !
0.00000	135.29450	21.61000	0.073585	21.538	-401.22E-6	-0.10638	1.3232E-6
2.56515	135.29450	21.61000	0.077792	21.538	-456.69E-6	-0.11415	1.4188E-6
5.13030	135.29450	21.61000	0.082230	21.538	-520.71E-6	-0.12258	1.5225E-6
7.69545	135.29450	21.61000	0.086903	21.538	-594.58E-6	-0.13173	1.6347E-6
10.26060	135.29450	21.61000	0.091810	21.538	-679.78E-6	-0.14164	1.7562E-6
12.82575	135.29450	21.61000	0.096949	21.538	-777.88E-6	-0.15236	1.8873E-6
15.39090	135.29450	21.61000	0.10231	21.538	-890.60E-6	-0.16393	2.0286E-6
17.95605	135.29450	21.61000	0.10789	21.538	-0.0010197	-0.17639	2.1805E-6
20.52120	135.29450	21.61000	0.11366	21.538	-0.0011667	-0.18975	2.3430E-6
23.08635	135.29450	21.61000	0.11961	21.538	-0.0013334	-0.20401	2.5162E-6
25.65150	135.29450	21.61000	0.12571	21.538	-0.0015206	-0.21916	2.6997E-6
28.21665	135.29450	21.61000	0.13191	21.538	-0.0017290	-0.23513	2.8927E-6
30.78180	135.29450	21.61000	0.13820	21.538	-0.0019579	-0.25182	3.0940E-6
33.34695	135.29450	21.61000	0.14451	21.538	-0.0022058	-0.26909	3.3020E-6
35.91210	135.29450	21.61000	0.15080	21.538	-0.0024693	-0.28676	3.5142E-6
38.47725	135.29450	21.61000	0.15703	21.538	-0.0027434	-0.30456	3.7279E-6
41.04240	135.29450	21.61000	0.16313	21.538	-0.0030210	-0.32221	3.9395E-6
43.60755	135.29450	21.61000	0.16905	21.538	-0.0032938	-0.33939	4.1452E-6
46.17270	135.29450	21.61000	0.17473	21.538	-0.0035519	-0.35572	4.3410E-6
48.73785	135.29450	21.61000	0.18013	21.538	-0.0037854	-0.37088	4.5229E-6
51.30300	135.29450	21.61000	0.18518	21.538	-0.0039849	-0.38452	4.6870E-6
53.86815	135.29450	21.61000	0.18985	21.538	-0.0041428	-0.39639	4.8302E-6
56.43330	135.29450	21.61000	0.19407	21.538	-0.0042541	-0.40626	4.9503E-6
58.99845	135.29450	21.61000	0.19781	21.538	-0.0043171	-0.41404	5.0458E-6
61.56360	135.29450	21.61000	0.20103	21.538	-0.0043332	-0.41971	5.1164E-6
64.12875	135.29450	21.61000	0.20369	21.538	-0.0043067	-0.42331	5.1628E-6
66.69390	135.29450	21.61000	0.20576	21.538	-0.0042443	-0.42499	5.1862E-6
69.25905	135.29450	21.61000	0.20723	21.538	-0.0041537	-0.42492	5.1888E-6
71.82420	135.29450	21.61000	0.20808	21.538	-0.0040429	-0.42332	5.1728E-6
74.38935	135.29450	21.61000	0.20831	21.538	-0.0039195	-0.42038	5.1405E-6
76.95450	135.29450	21.61000	0.20792	21.538	-0.0037896	-0.41630	5.0941E-6
79.51965	135.29450	21.61000	0.20692	21.538	-0.0036579	-0.41125	5.0355E-6
82.08480	135.29450	21.61000	0.20534	21.538	-0.0035274	-0.40534	4.9661E-6
84.64995	135.29450	21.61000	0.20319	21.538	-0.0033994	-0.39867	4.8870E-6
87.21510	135.29450	21.61000	0.20052	21.538	-0.0032741	-0.39129	4.7989E-6
89.78025	135.29450	21.61000	0.19736	21.538	-0.0031505	-0.38323	4.7022E-6

92.34540	135.29450	21.61000	0.19373	21.538	-0.0030273	-0.37450	4.5971E-6
94.91055	135.29450	21.61000	0.18970	21.538	-0.0029028	-0.36512	4.4838E-6
97.47570	135.29450	21.61000	0.18529	21.538	-0.0027758	-0.35510	4.3625E-6
100.04085	135.29450	21.61000	0.18056	21.538	-0.0026453	-0.34446	4.2335E-6
102.60600	135.29450	21.61000	0.17554	21.538	-0.0025109	-0.33324	4.0975E-6
105.17115	135.29450	21.61000	0.17029	21.538	-0.0023728	-0.32151	3.9551E-6
107.73630	135.29450	21.61000	0.16484	21.538	-0.0022317	-0.30933	3.8072E-6
110.30145	135.29450	21.61000	0.15924	21.538	-0.0020889	-0.29681	3.6551E-6
112.86660	135.29450	21.61000	0.15353	21.538	-0.0019456	-0.28404	3.4998E-6
115.43175	135.29450	21.61000	0.14776	21.538	-0.0018036	-0.27113	3.3428E-6
117.99690	135.29450	21.61000	0.14196	21.538	-0.0016643	-0.25820	3.1853E-6
120.56205	135.29450	21.61000	0.13616	21.538	-0.0015293	-0.24534	3.0287E-6
123.12720	135.29450	21.61000	0.13040	21.538	-0.0013997	-0.23265	2.8740E-6
125.69235	135.29450	21.61000	0.12472	21.538	-0.0012765	-0.22023	2.7223E-6
128.25750	135.29450	21.61000	0.11913	21.538	-0.0011606	-0.20814	2.5746E-6
130.82265	135.29450	21.61000	0.11366	21.538	-0.0010524	-0.19644	2.4315E-6
133.38780	135.29450	21.61000	0.10833	21.538	-952.01E-6	-0.18518	2.2937E-6
135.95295	135.29450	21.61000	0.10316	21.538	-859.57E-6	-0.17441	2.1616E-6
138.51810	135.29450	21.61000	0.098156	21.538	-774.89E-6	-0.16413	2.0355E-6
141.08325	135.29450	21.61000	0.093333	21.538	-697.71E-6	-0.15436	1.9156E-6
143.64840	135.29450	21.61000	0.088696	21.538	-627.65E-6	-0.14512	1.8019E-6
146.21355	135.29450	21.61000	0.084251	21.538	-564.28E-6	-0.13638	1.6944E-6
148.77870	135.29450	21.61000	0.079999	21.538	-507.13E-6	-0.12815	1.5931E-6
151.34385	135.29450	21.61000	0.075940	21.538	-455.71E-6	-0.12042	1.4977E-6
153.90900	135.29450	21.61000	0.072073	21.538	-409.53E-6	-0.11316	1.4081E-6 !
0.00000	137.75440	21.61000	0.070395	21.538	-364.74E-6	-0.10093	1.2559E-6
2.56515	137.75440	21.61000	0.074298	21.538	-412.88E-6	-0.10800	1.3431E-6
5.13030	137.75440	21.61000	0.078404	21.538	-467.99E-6	-0.11564	1.4371E-6
7.69545	137.75440	21.61000	0.082717	21.538	-531.02E-6	-0.12388	1.5384E-6
10.26060	137.75440	21.61000	0.087234	21.538	-603.02E-6	-0.13276	1.6474E-6
12.82575	137.75440	21.61000	0.091951	21.538	-685.12E-6	-0.14231	1.7644E-6
15.39090	137.75440	21.61000	0.096862	21.538	-778.44E-6	-0.15255	1.8898E-6
17.95605	137.75440	21.61000	0.10196	21.538	-884.12E-6	-0.16351	2.0236E-6
20.52120	137.75440	21.61000	0.10722	21.538	-0.0010032	-0.17517	2.1658E-6
23.08635	137.75440	21.61000	0.11262	21.538	-0.0011364	-0.18754	2.3164E-6
25.65150	137.75440	21.61000	0.11815	21.538	-0.0012844	-0.20058	2.4749E-6
28.21665	137.75440	21.61000	0.12377	21.538	-0.0014469	-0.21423	2.6404E-6
30.78180	137.75440	21.61000	0.12945	21.538	-0.0016234	-0.22840	2.8120E-6
33.34695	137.75440	21.61000	0.13515	21.538	-0.0018122	-0.24296	2.9881E-6
35.91210	137.75440	21.61000	0.14082	21.538	-0.0020107	-0.25776	3.1667E-6
38.47725	137.75440	21.61000	0.14642	21.538	-0.0022151	-0.27260	3.3457E-6
41.04240	137.75440	21.61000	0.15190	21.538	-0.0024205	-0.28725	3.5223E-6
43.60755	137.75440	21.61000	0.15722	21.538	-0.0026211	-0.30147	3.6936E-6
46.17270	137.75440	21.61000	0.16231	21.538	-0.0028106	-0.31499	3.8566E-6
48.73785	137.75440	21.61000	0.16714	21.538	-0.0029824	-0.32756	4.0082E-6
51.30300	137.75440	21.61000	0.17166	21.538	-0.0031304	-0.33893	4.1457E-6
53.86815	137.75440	21.61000	0.17582	21.538	-0.0032499	-0.34891	4.2667E-6
56.43330	137.75440	21.61000	0.17958	21.538	-0.0033376	-0.35734	4.3695E-6

58.99845	137.75440	21.61000	0.18290	21.538	-0.0033921	-0.36414	4.4529E-6
61.56360	137.75440	21.61000	0.18574	21.538	-0.0034142	-0.36927	4.5167E-6
64.12875	137.75440	21.61000	0.18809	21.538	-0.0034064	-0.37277	4.5610E-6
66.69390	137.75440	21.61000	0.18991	21.538	-0.0033725	-0.37471	4.5866E-6
69.25905	137.75440	21.61000	0.19119	21.538	-0.0033175	-0.37521	4.5950E-6
71.82420	137.75440	21.61000	0.19192	21.538	-0.0032462	-0.37440	4.5875E-6
74.38935	137.75440	21.61000	0.19211	21.538	-0.0031636	-0.37243	4.5659E-6
76.95450	137.75440	21.61000	0.19174	21.538	-0.0030737	-0.36943	4.5315E-6
79.51965	137.75440	21.61000	0.19085	21.538	-0.0029798	-0.36552	4.4859E-6
82.08480	137.75440	21.61000	0.18943	21.538	-0.0028842	-0.36081	4.4301E-6
84.64995	137.75440	21.61000	0.18752	21.538	-0.0027880	-0.35535	4.3651E-6
87.21510	137.75440	21.61000	0.18515	21.538	-0.0026918	-0.34921	4.2916E-6
89.78025	137.75440	21.61000	0.18233	21.538	-0.0025951	-0.34243	4.2099E-6
92.34540	137.75440	21.61000	0.17911	21.538	-0.0024976	-0.33503	4.1204E-6
94.91055	137.75440	21.61000	0.17551	21.538	-0.0023984	-0.32703	4.0235E-6
97.47570	137.75440	21.61000	0.17159	21.538	-0.0022967	-0.31845	3.9195E-6
100.04085	137.75440	21.61000	0.16736	21.538	-0.0021923	-0.30934	3.8087E-6
102.60600	137.75440	21.61000	0.16288	21.538	-0.0020849	-0.29972	3.6918E-6
105.17115	137.75440	21.61000	0.15819	21.538	-0.0019748	-0.28965	3.5694E-6
107.73630	137.75440	21.61000	0.15331	21.538	-0.0018624	-0.27921	3.4422E-6
110.30145	137.75440	21.61000	0.14829	21.538	-0.0017487	-0.26846	3.3112E-6
112.86660	137.75440	21.61000	0.14317	21.538	-0.0016346	-0.25748	3.1775E-6
115.43175	137.75440	21.61000	0.13797	21.538	-0.0015213	-0.24637	3.0420E-6
117.99690	137.75440	21.61000	0.13275	21.538	-0.0014099	-0.23522	2.9058E-6
120.56205	137.75440	21.61000	0.12752	21.538	-0.0013015	-0.22410	2.7700E-6
123.12720	137.75440	21.61000	0.12232	21.538	-0.0011970	-0.21309	2.6356E-6
125.69235	137.75440	21.61000	0.11717	21.538	-0.0010972	-0.20228	2.5033E-6
128.25750	137.75440	21.61000	0.11210	21.538	-0.0010027	-0.19172	2.3740E-6
130.82265	137.75440	21.61000	0.10712	21.538	-913.85E-6	-0.18146	2.2483E-6
133.38780	137.75440	21.61000	0.10227	21.538	-830.99E-6	-0.17155	2.1268E-6
135.95295	137.75440	21.61000	0.097546	21.538	-754.17E-6	-0.16202	2.0098E-6
138.51810	137.75440	21.61000	0.092968	21.538	-683.33E-6	-0.15290	1.8977E-6
141.08325	137.75440	21.61000	0.088543	21.538	-618.33E-6	-0.14419	1.7907E-6
143.64840	137.75440	21.61000	0.084280	21.538	-558.94E-6	-0.13592	1.6888E-6
146.21355	137.75440	21.61000	0.080184	21.538	-504.88E-6	-0.12807	1.5920E-6
148.77870	137.75440	21.61000	0.076256	21.538	-455.81E-6	-0.12064	1.5005E-6
151.34385	137.75440	21.61000	0.072498	21.538	-411.39E-6	-0.11363	1.4140E-6
153.90900	137.75440	21.61000	0.068910	21.538	-371.27E-6	-0.10703	1.3324E-6 !
0.00000	140.21430	21.61000	0.067311	21.538	-331.39E-6	-0.095725	1.1917E-6
2.56515	140.21430	21.61000	0.070928	21.538	-373.15E-6	-0.10217	1.2712E-6
5.13030	140.21430	21.61000	0.074725	21.538	-420.57E-6	-0.10909	1.3565E-6
7.69545	140.21430	21.61000	0.078702	21.538	-474.37E-6	-0.11652	1.4479E-6
10.26060	140.21430	21.61000	0.082856	21.538	-535.27E-6	-0.12448	1.5457E-6
12.82575	140.21430	21.61000	0.087184	21.538	-604.07E-6	-0.13299	1.6502E-6
15.39090	140.21430	21.61000	0.091677	21.538	-681.51E-6	-0.14207	1.7615E-6
17.95605	140.21430	21.61000	0.096325	21.538	-768.31E-6	-0.15171	1.8796E-6
20.52120	140.21430	21.61000	0.10111	21.538	-865.07E-6	-0.16193	2.0044E-6
23.08635	140.21430	21.61000	0.10603	21.538	-972.19E-6	-0.17269	2.1358E-6

25.65150	140.21430	21.61000	0.11104	21.538	-0.0010898	-0.18396	2.2731E-6
28.21665	140.21430	21.61000	0.11612	21.538	-0.0012177	-0.19568	2.4157E-6
30.78180	140.21430	21.61000	0.12124	21.538	-0.0013550	-0.20777	2.5626E-6
33.34695	140.21430	21.61000	0.12638	21.538	-0.0015004	-0.22013	2.7126E-6
35.91210	140.21430	21.61000	0.13148	21.538	-0.0016518	-0.23262	2.8641E-6
38.47725	140.21430	21.61000	0.13651	21.538	-0.0018064	-0.24509	3.0151E-6
41.04240	140.21430	21.61000	0.14143	21.538	-0.0019609	-0.25737	3.1637E-6
43.60755	140.21430	21.61000	0.14619	21.538	-0.0021110	-0.26925	3.3076E-6
46.17270	140.21430	21.61000	0.15075	21.538	-0.0022527	-0.28056	3.4444E-6
48.73785	140.21430	21.61000	0.15507	21.538	-0.0023814	-0.29108	3.5720E-6
51.30300	140.21430	21.61000	0.15910	21.538	-0.0024934	-0.30065	3.6881E-6
53.86815	140.21430	21.61000	0.16281	21.538	-0.0025853	-0.30911	3.7911E-6
56.43330	140.21430	21.61000	0.16615	21.538	-0.0026549	-0.31635	3.8795E-6
58.99845	140.21430	21.61000	0.16910	21.538	-0.0027014	-0.32229	3.9525E-6
61.56360	140.21430	21.61000	0.17162	21.538	-0.0027251	-0.32690	4.0096E-6
64.12875	140.21430	21.61000	0.17370	21.538	-0.0027272	-0.33019	4.0510E-6
66.69390	140.21430	21.61000	0.17530	21.538	-0.0027103	-0.33222	4.0771E-6
69.25905	140.21430	21.61000	0.17643	21.538	-0.0026773	-0.33304	4.0887E-6
71.82420	140.21430	21.61000	0.17708	21.538	-0.0026313	-0.33276	4.0868E-6
74.38935	140.21430	21.61000	0.17723	21.538	-0.0025756	-0.33146	4.0726E-6
76.95450	140.21430	21.61000	0.17691	21.538	-0.0025128	-0.32925	4.0472E-6
79.51965	140.21430	21.61000	0.17611	21.538	-0.0024452	-0.32621	4.0115E-6
82.08480	140.21430	21.61000	0.17485	21.538	-0.0023746	-0.32242	3.9665E-6
84.64995	140.21430	21.61000	0.17316	21.538	-0.0023019	-0.31794	3.9129E-6
87.21510	140.21430	21.61000	0.17105	21.538	-0.0022276	-0.31282	3.8512E-6
89.78025	140.21430	21.61000	0.16854	21.538	-0.0021518	-0.30710	3.7821E-6
92.34540	140.21430	21.61000	0.16568	21.538	-0.0020744	-0.30080	3.7059E-6
94.91055	140.21430	21.61000	0.16248	21.538	-0.0019951	-0.29397	3.6228E-6
97.47570	140.21430	21.61000	0.15898	21.538	-0.0019135	-0.28662	3.5335E-6
100.04085	140.21430	21.61000	0.15522	21.538	-0.0018296	-0.27878	3.4381E-6
102.60600	140.21430	21.61000	0.15122	21.538	-0.0017433	-0.27051	3.3373E-6
105.17115	140.21430	21.61000	0.14702	21.538	-0.0016548	-0.26185	3.2317E-6
107.73630	140.21430	21.61000	0.14265	21.538	-0.0015646	-0.25285	3.1219E-6
110.30145	140.21430	21.61000	0.13815	21.538	-0.0014734	-0.24359	3.0087E-6
112.86660	140.21430	21.61000	0.13355	21.538	-0.0013818	-0.23411	2.8930E-6
115.43175	140.21430	21.61000	0.12889	21.538	-0.0012906	-0.22451	2.7756E-6
117.99690	140.21430	21.61000	0.12418	21.538	-0.0012008	-0.21484	2.6574E-6
120.56205	140.21430	21.61000	0.11946	21.538	-0.0011131	-0.20518	2.5392E-6
123.12720	140.21430	21.61000	0.11476	21.538	-0.0010283	-0.19560	2.4219E-6
125.69235	140.21430	21.61000	0.11010	21.538	-946.83E-6	-0.18616	2.3062E-6
128.25750	140.21430	21.61000	0.10550	21.538	-869.32E-6	-0.17690	2.1927E-6
130.82265	140.21430	21.61000	0.10098	21.538	-796.08E-6	-0.16788	2.0819E-6
133.38780	140.21430	21.61000	0.096553	21.538	-727.35E-6	-0.15913	1.9745E-6
135.95295	140.21430	21.61000	0.092240	21.538	-663.25E-6	-0.15069	1.8707E-6
138.51810	140.21430	21.61000	0.088051	21.538	-603.78E-6	-0.14258	1.7708E-6
141.08325	140.21430	21.61000	0.083993	21.538	-548.89E-6	-0.13480	1.6751E-6
143.64840	140.21430	21.61000	0.080075	21.538	-498.42E-6	-0.12738	1.5836E-6
146.21355	140.21430	21.61000	0.076300	21.538	-452.21E-6	-0.12032	1.4965E-6

148.77870	140.21430	21.61000	0.072674	21.538	-410.02E-6	-0.11361	1.4137E-6
151.34385	140.21430	21.61000	0.069196	21.538	-371.60E-6	-0.10725	1.3352E-6
153.90900	140.21430	21.61000	0.065868	21.538	-336.71E-6	-0.10124	1.2609E-6 !
0.00000	142.67420	21.61000	0.064337	21.538	-301.00E-6	-0.090774	1.1306E-6
2.56515	142.67420	21.61000	0.067688	21.538	-337.22E-6	-0.096636	1.2030E-6
5.13030	142.67420	21.61000	0.071196	21.538	-378.04E-6	-0.10291	1.2803E-6
7.69545	142.67420	21.61000	0.074861	21.538	-423.98E-6	-0.10961	1.3629E-6
10.26060	142.67420	21.61000	0.078679	21.538	-475.56E-6	-0.11675	1.4508E-6
12.82575	142.67420	21.61000	0.082647	21.538	-533.32E-6	-0.12435	1.5442E-6
15.39090	142.67420	21.61000	0.086756	21.538	-597.75E-6	-0.13241	1.6431E-6
17.95605	142.67420	21.61000	0.090996	21.538	-669.29E-6	-0.14092	1.7476E-6
20.52120	142.67420	21.61000	0.095354	21.538	-748.26E-6	-0.14989	1.8574E-6
23.08635	142.67420	21.61000	0.099813	21.538	-834.85E-6	-0.15928	1.9722E-6
25.65150	142.67420	21.61000	0.10435	21.538	-928.98E-6	-0.16906	2.0917E-6
28.21665	142.67420	21.61000	0.10895	21.538	-0.0010303	-0.17917	2.2151E-6
30.78180	142.67420	21.61000	0.11357	21.538	-0.0011381	-0.18954	2.3415E-6
33.34695	142.67420	21.61000	0.11819	21.538	-0.0012513	-0.20010	2.4700E-6
35.91210	142.67420	21.61000	0.12278	21.538	-0.0013682	-0.21071	2.5992E-6
38.47725	142.67420	21.61000	0.12729	21.538	-0.0014868	-0.22128	2.7276E-6
41.04240	142.67420	21.61000	0.13170	21.538	-0.0016046	-0.23164	2.8536E-6
43.60755	142.67420	21.61000	0.13596	21.538	-0.0017187	-0.24167	2.9753E-6
46.17270	142.67420	21.61000	0.14004	21.538	-0.0018264	-0.25120	3.0912E-6
48.73785	142.67420	21.61000	0.14390	21.538	-0.0019245	-0.26009	3.1993E-6
51.30300	142.67420	21.61000	0.14749	21.538	-0.0020105	-0.26820	3.2981E-6
53.86815	142.67420	21.61000	0.15079	21.538	-0.0020822	-0.27542	3.3862E-6
56.43330	142.67420	21.61000	0.15377	21.538	-0.0021380	-0.28166	3.4626E-6
58.99845	142.67420	21.61000	0.15639	21.538	-0.0021774	-0.28686	3.5265E-6
61.56360	142.67420	21.61000	0.15863	21.538	-0.0022003	-0.29098	3.5775E-6
64.12875	142.67420	21.61000	0.16047	21.538	-0.0022075	-0.29403	3.6156E-6
66.69390	142.67420	21.61000	0.16190	21.538	-0.0022006	-0.29603	3.6410E-6
69.25905	142.67420	21.61000	0.16291	21.538	-0.0021813	-0.29703	3.6543E-6
71.82420	142.67420	21.61000	0.16348	21.538	-0.0021517	-0.29708	3.6561E-6
74.38935	142.67420	21.61000	0.16362	21.538	-0.0021138	-0.29625	3.6471E-6
76.95450	142.67420	21.61000	0.16333	21.538	-0.0020695	-0.29462	3.6283E-6
79.51965	142.67420	21.61000	0.16262	21.538	-0.0020205	-0.29224	3.6002E-6
82.08480	142.67420	21.61000	0.16151	21.538	-0.0019679	-0.28918	3.5637E-6
84.64995	142.67420	21.61000	0.16001	21.538	-0.0019125	-0.28549	3.5193E-6
87.21510	142.67420	21.61000	0.15814	21.538	-0.0018549	-0.28120	3.4676E-6
89.78025	142.67420	21.61000	0.15591	21.538	-0.0017952	-0.27636	3.4089E-6
92.34540	142.67420	21.61000	0.15337	21.538	-0.0017336	-0.27100	3.3438E-6
94.91055	142.67420	21.61000	0.15052	21.538	-0.0016700	-0.26514	3.2725E-6
97.47570	142.67420	21.61000	0.14741	21.538	-0.0016044	-0.25883	3.1955E-6
100.04085	142.67420	21.61000	0.14405	21.538	-0.0015366	-0.25208	3.1133E-6
102.60600	142.67420	21.61000	0.14048	21.538	-0.0014669	-0.24495	3.0261E-6
105.17115	142.67420	21.61000	0.13672	21.538	-0.0013954	-0.23747	2.9347E-6
107.73630	142.67420	21.61000	0.13282	21.538	-0.0013225	-0.22969	2.8396E-6
110.30145	142.67420	21.61000	0.12878	21.538	-0.0012488	-0.22167	2.7415E-6
112.86660	142.67420	21.61000	0.12465	21.538	-0.0011747	-0.21346	2.6410E-6

115.43175	142.67420	21.61000	0.12045	21.538	-0.0011008	-0.20512	2.5389E-6
117.99690	142.67420	21.61000	0.11621	21.538	-0.0010279	-0.19671	2.4359E-6
120.56205	142.67420	21.61000	0.11196	21.538	-956.46E-6	-0.18829	2.3327E-6
123.12720	142.67420	21.61000	0.10771	21.538	-887.08E-6	-0.17992	2.2300E-6
125.69235	142.67420	21.61000	0.10348	21.538	-820.24E-6	-0.17164	2.1283E-6
128.25750	142.67420	21.61000	0.099310	21.538	-756.31E-6	-0.16351	2.0284E-6
130.82265	142.67420	21.61000	0.095200	21.538	-695.62E-6	-0.15555	1.9306E-6
133.38780	142.67420	21.61000	0.091169	21.538	-638.36E-6	-0.14781	1.8354E-6
135.95295	142.67420	21.61000	0.087232	21.538	-584.66E-6	-0.14031	1.7430E-6
138.51810	142.67420	21.61000	0.083398	21.538	-534.58E-6	-0.13308	1.6539E-6
141.08325	142.67420	21.61000	0.079677	21.538	-488.08E-6	-0.12612	1.5682E-6
143.64840	142.67420	21.61000	0.076075	21.538	-445.09E-6	-0.11946	1.4860E-6
146.21355	142.67420	21.61000	0.072599	21.538	-405.50E-6	-0.11309	1.4074E-6
148.77870	142.67420	21.61000	0.069251	21.538	-369.16E-6	-0.10703	1.3325E-6
151.34385	142.67420	21.61000	0.066033	21.538	-335.89E-6	-0.10126	1.2612E-6
153.90900	142.67420	21.61000	0.062947	21.538	-305.51E-6	-0.095790	1.1935E-6 !
0.00000	145.13410	21.61000	0.061475	21.538	-273.38E-6	-0.086072	1.0725E-6
2.56515	145.13410	21.61000	0.064577	21.538	-304.80E-6	-0.091410	1.1384E-6
5.13030	145.13410	21.61000	0.067817	21.538	-339.96E-6	-0.097094	1.2086E-6
7.69545	145.13410	21.61000	0.071193	21.538	-379.23E-6	-0.10314	1.2832E-6
10.26060	145.13410	21.61000	0.074702	21.538	-422.99E-6	-0.10955	1.3622E-6
12.82575	145.13410	21.61000	0.078338	21.538	-471.58E-6	-0.11634	1.4458E-6
15.39090	145.13410	21.61000	0.082095	21.538	-525.34E-6	-0.12351	1.5340E-6
17.95605	145.13410	21.61000	0.085962	21.538	-584.51E-6	-0.13105	1.6265E-6
20.52120	145.13410	21.61000	0.089927	21.538	-649.27E-6	-0.13894	1.7233E-6
23.08635	145.13410	21.61000	0.093974	21.538	-719.63E-6	-0.14716	1.8241E-6
25.65150	145.13410	21.61000	0.098084	21.538	-795.47E-6	-0.15567	1.9284E-6
28.21665	145.13410	21.61000	0.10224	21.538	-876.40E-6	-0.16444	2.0356E-6
30.78180	145.13410	21.61000	0.10641	21.538	-961.80E-6	-0.17339	2.1449E-6
33.34695	145.13410	21.61000	0.11057	21.538	-0.0010507	-0.18245	2.2556E-6
35.91210	145.13410	21.61000	0.11469	21.538	-0.0011420	-0.19153	2.3664E-6
38.47725	145.13410	21.61000	0.11874	21.538	-0.0012340	-0.20054	2.4762E-6
41.04240	145.13410	21.61000	0.12269	21.538	-0.0013251	-0.20936	2.5837E-6
43.60755	145.13410	21.61000	0.12651	21.538	-0.0014131	-0.21787	2.6876E-6
46.17270	145.13410	21.61000	0.13015	21.538	-0.0014961	-0.22597	2.7863E-6
48.73785	145.13410	21.61000	0.13359	21.538	-0.0015720	-0.23354	2.8786E-6
51.30300	145.13410	21.61000	0.13680	21.538	-0.0016390	-0.24046	2.9632E-6
53.86815	145.13410	21.61000	0.13974	21.538	-0.0016956	-0.24666	3.0391E-6
56.43330	145.13410	21.61000	0.14239	21.538	-0.0017408	-0.25207	3.1053E-6
58.99845	145.13410	21.61000	0.14472	21.538	-0.0017739	-0.25662	3.1614E-6
61.56360	145.13410	21.61000	0.14672	21.538	-0.0017950	-0.26029	3.2068E-6
64.12875	145.13410	21.61000	0.14836	21.538	-0.0018045	-0.26308	3.2415E-6
66.69390	145.13410	21.61000	0.14963	21.538	-0.0018033	-0.26500	3.2657E-6
69.25905	145.13410	21.61000	0.15053	21.538	-0.0017926	-0.26607	3.2796E-6
71.82420	145.13410	21.61000	0.15104	21.538	-0.0017736	-0.26634	3.2836E-6
74.38935	145.13410	21.61000	0.15117	21.538	-0.0017478	-0.26584	3.2784E-6
76.95450	145.13410	21.61000	0.15092	21.538	-0.0017164	-0.26464	3.2644E-6
79.51965	145.13410	21.61000	0.15030	21.538	-0.0016804	-0.26277	3.2422E-6

82.08480	145.13410	21.61000	0.14932	21.538	-0.0016409	-0.26028	3.2124E-6
84.64995	145.13410	21.61000	0.14799	21.538	-0.0015985	-0.25722	3.1755E-6
87.21510	145.13410	21.61000	0.14633	21.538	-0.0015535	-0.25362	3.1319E-6
89.78025	145.13410	21.61000	0.14436	21.538	-0.0015064	-0.24951	3.0821E-6
92.34540	145.13410	21.61000	0.14209	21.538	-0.0014572	-0.24493	3.0263E-6
94.91055	145.13410	21.61000	0.13956	21.538	-0.0014061	-0.23991	2.9650E-6
97.47570	145.13410	21.61000	0.13679	21.538	-0.0013530	-0.23447	2.8986E-6
100.04085	145.13410	21.61000	0.13379	21.538	-0.0012981	-0.22864	2.8274E-6
102.60600	145.13410	21.61000	0.13060	21.538	-0.0012415	-0.22247	2.7519E-6
105.17115	145.13410	21.61000	0.12724	21.538	-0.0011834	-0.21599	2.6725E-6
107.73630	145.13410	21.61000	0.12374	21.538	-0.0011242	-0.20924	2.5899E-6
110.30145	145.13410	21.61000	0.12012	21.538	-0.0010642	-0.20227	2.5045E-6
112.86660	145.13410	21.61000	0.11642	21.538	-0.0010038	-0.19513	2.4169E-6
115.43175	145.13410	21.61000	0.11264	21.538	-943.59E-6	-0.18787	2.3278E-6
117.99690	145.13410	21.61000	0.10882	21.538	-883.97E-6	-0.18053	2.2377E-6
120.56205	145.13410	21.61000	0.10497	21.538	-825.42E-6	-0.17316	2.1473E-6
123.12720	145.13410	21.61000	0.10113	21.538	-768.36E-6	-0.16582	2.0571E-6
125.69235	145.13410	21.61000	0.097306	21.538	-713.18E-6	-0.15854	1.9676E-6
128.25750	145.13410	21.61000	0.093516	21.538	-660.19E-6	-0.15137	1.8793E-6
130.82265	145.13410	21.61000	0.089778	21.538	-609.65E-6	-0.14433	1.7927E-6
133.38780	145.13410	21.61000	0.086105	21.538	-561.74E-6	-0.13746	1.7081E-6
135.95295	145.13410	21.61000	0.082509	21.538	-516.59E-6	-0.13079	1.6259E-6
138.51810	145.13410	21.61000	0.079000	21.538	-474.26E-6	-0.12433	1.5462E-6
141.08325	145.13410	21.61000	0.075587	21.538	-434.75E-6	-0.11810	1.4693E-6
143.64840	145.13410	21.61000	0.072277	21.538	-398.05E-6	-0.11211	1.3953E-6
146.21355	145.13410	21.61000	0.069075	21.538	-364.06E-6	-0.10637	1.3244E-6
148.77870	145.13410	21.61000	0.065984	21.538	-332.70E-6	-0.10088	1.2565E-6
151.34385	145.13410	21.61000	0.063007	21.538	-303.85E-6	-0.095639	1.1917E-6
153.90900	145.13410	21.61000	0.060146	21.538	-277.38E-6	-0.090654	1.1300E-6 !
0.00000	147.59400	21.61000	0.058727	21.538	-248.32E-6	-0.081616	1.0174E-6 !
2.56515	147.59400	21.61000	0.061598	21.538	-275.59E-6	-0.086477	1.0775E-6 !
5.13030	147.59400	21.61000	0.064588	21.538	-305.91E-6	-0.091632	1.1412E-6 !
7.69545	147.59400	21.61000	0.067697	21.538	-339.53E-6	-0.097092	1.2086E-6 !
10.26060	147.59400	21.61000	0.070921	21.538	-376.71E-6	-0.10286	1.2798E-6 !
12.82575	147.59400	21.61000	0.074253	21.538	-417.70E-6	-0.10894	1.3547E-6 !
15.39090	147.59400	21.61000	0.077688	21.538	-462.69E-6	-0.11532	1.4333E-6 !
17.95605	147.59400	21.61000	0.081214	21.538	-511.82E-6	-0.12200	1.5155E-6 !
20.52120	147.59400	21.61000	0.084821	21.538	-565.16E-6	-0.12896	1.6011E-6 !
23.08635	147.59400	21.61000	0.088495	21.538	-622.66E-6	-0.13618	1.6897E-6 !
25.65150	147.59400	21.61000	0.092217	21.538	-684.14E-6	-0.14363	1.7811E-6 !
28.21665	147.59400	21.61000	0.095970	21.538	-749.25E-6	-0.15126	1.8746E-6 !
30.78180	147.59400	21.61000	0.099732	21.538	-817.46E-6	-0.15901	1.9696E-6 !
33.34695	147.59400	21.61000	0.10348	21.538	-888.03E-6	-0.16684	2.0653E-6 !
35.91210	147.59400	21.61000	0.10718	21.538	-960.02E-6	-0.17465	2.1609E-6 !
38.47725	147.59400	21.61000	0.11082	21.538	-0.0010323	-0.18238	2.2554E-6 !
41.04240	147.59400	21.61000	0.11436	21.538	-0.0011035	-0.18993	2.3477E-6 !
43.60755	147.59400	21.61000	0.11777	21.538	-0.0011722	-0.19722	2.4368E-6 !

46.17270	147.59400	21.61000	0.12103	21.538	-0.0012371	-0.20415	2.5215E-6 !
48.73785	147.59400	21.61000	0.12411	21.538	-0.0012965	-0.21063	2.6008E-6 !
51.30300	147.59400	21.61000	0.12697	21.538	-0.0013494	-0.21658	2.6737E-6 !
53.86815	147.59400	21.61000	0.12959	21.538	-0.0013946	-0.22193	2.7393E-6 !
56.43330	147.59400	21.61000	0.13196	21.538	-0.0014313	-0.22663	2.7970E-6 !
58.99845	147.59400	21.61000	0.13404	21.538	-0.0014592	-0.23062	2.8462E-6 !
61.56360	147.59400	21.61000	0.13582	21.538	-0.0014781	-0.23389	2.8866E-6 !
64.12875	147.59400	21.61000	0.13728	21.538	-0.0014883	-0.23643	2.9181E-6 !
66.69390	147.59400	21.61000	0.13842	21.538	-0.0014903	-0.23823	2.9407E-6 !
69.25905	147.59400	21.61000	0.13922	21.538	-0.0014849	-0.23931	2.9545E-6 !
71.82420	147.59400	21.61000	0.13968	21.538	-0.0014729	-0.23971	2.9599E-6 !
74.38935	147.59400	21.61000	0.13980	21.538	-0.0014553	-0.23944	2.9573E-6 !
76.95450	147.59400	21.61000	0.13959	21.538	-0.0014328	-0.23855	2.9469E-6 !
79.51965	147.59400	21.61000	0.13904	21.538	-0.0014062	-0.23707	2.9294E-6 !
82.08480	147.59400	21.61000	0.13818	21.538	-0.0013763	-0.23504	2.9049E-6 !
84.64995	147.59400	21.61000	0.13700	21.538	-0.0013436	-0.23250	2.8741E-6 !
87.21510	147.59400	21.61000	0.13553	21.538	-0.0013084	-0.22946	2.8373E-6 !
89.78025	147.59400	21.61000	0.13378	21.538	-0.0012710	-0.22597	2.7947E-6 !
92.34540	147.59400	21.61000	0.13177	21.538	-0.0012315	-0.22204	2.7469E-6 !
94.91055	147.59400	21.61000	0.12952	21.538	-0.0011902	-0.21772	2.6940E-6 !
97.47570	147.59400	21.61000	0.12704	21.538	-0.0011472	-0.21302	2.6365E-6 !
100.04085	147.59400	21.61000	0.12437	21.538	-0.0011025	-0.20798	2.5748E-6 !
102.60600	147.59400	21.61000	0.12152	21.538	-0.0010563	-0.20263	2.5092E-6 !
105.17115	147.59400	21.61000	0.11851	21.538	-0.0010089	-0.19699	2.4401E-6 !
107.73630	147.59400	21.61000	0.11538	21.538	-960.49E-6	-0.19112	2.3681E-6 !
110.30145	147.59400	21.61000	0.11213	21.538	-911.40E-6	-0.18505	2.2935E-6 !
112.86660	147.59400	21.61000	0.10880	21.538	-861.96E-6	-0.17882	2.2170E-6 !
115.43175	147.59400	21.61000	0.10540	21.538	-812.54E-6	-0.17246	2.1390E-6 !
117.99690	147.59400	21.61000	0.10195	21.538	-763.51E-6	-0.16604	2.0599E-6 !
120.56205	147.59400	21.61000	0.098481	21.538	-715.24E-6	-0.15957	1.9805E-6 !
123.12720	147.59400	21.61000	0.095003	21.538	-668.05E-6	-0.15311	1.9010E-6 !
125.69235	147.59400	21.61000	0.091536	21.538	-622.26E-6	-0.14669	1.8220E-6 !
128.25750	147.59400	21.61000	0.088094	21.538	-578.12E-6	-0.14035	1.7438E-6 !
130.82265	147.59400	21.61000	0.084693	21.538	-535.84E-6	-0.13411	1.6669E-6 !
133.38780	147.59400	21.61000	0.081344	21.538	-495.60E-6	-0.12800	1.5916E-6 !
135.95295	147.59400	21.61000	0.078059	21.538	-457.49E-6	-0.12205	1.5182E-6 !
138.51810	147.59400	21.61000	0.074847	21.538	-421.60E-6	-0.11627	1.4468E-6 !
141.08325	147.59400	21.61000	0.071716	21.538	-387.94E-6	-0.11068	1.3777E-6 !
143.64840	147.59400	21.61000	0.068674	21.538	-356.51E-6	-0.10528	1.3110E-6 !
146.21355	147.59400	21.61000	0.065724	21.538	-327.27E-6	-0.10010	1.2469E-6 !
148.77870	147.59400	21.61000	0.062871	21.538	-300.17E-6	-0.095123	1.1853E-6 !
151.34385	147.59400	21.61000	0.060117	21.538	-275.11E-6	-0.090363	1.1264E-6 !

Analysis Options

Analysis: Boussinesq
 Global Poisson's ratio: 0.20
 Maximum allowable ratio between values of E: 1.5
 Horizontal rigid boundary level: -10.00 [m OD]
 Stiffness for horizontal displacement calculations: Weighted average
 Using legacy heave correction factor: No
 Displacements at load centroids: Yes

Soil Profiles Soil Profile 1

Layer	Level at top [mOD]	Number of intermediate displacement levels	Youngs Modulus		Poissons ratio	Non-linear curve
			Top [kN/m ²]	Btm [kN/m ²]		
1	27.000	10	14000.	14000.	0.20000	None
2	24.500	8	30000.	30000.	0.20000	None
3	22.500	74	27000.	81000.	0.20000	None
4	4.0000	52	115000.	224000.	0.20000	None

Soil Zones

Zone	Name	X coordinates		Y coordinates		Profile
		min [m]	max [m]	min [m]	max [m]	
1	Boundary	0.00000	153.90850	0.00000	147.59380	Soil Profile 1

Load Data

Load ref. Number	Name	Load value	Shape	Orientation		Centre of load (Global)			Load position		Polygon Coordinates	[m]	[%]	
				Tangential	of (local z)	(local x)	(local y)	X	Y	Z				Angle of local x from
10.000	Enabling Works 1.1	4	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(80.2, 85.5)	(88.3, 85.6)		
											(87.5, 69.3)	(87.4, 69.3)		
											(87.3, 68.3)	(84.6, 68.3)		
											(84.6, 69)	(79.7, 69)		
											(80.2, 85.5)			

2 Enabling 10.000	9	Polygonal 18.600	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(50.8, 54) (50.8, 50)
Works 1.2									(72.2, 50.8) (72.3, 50.5) (74.4, 50.6) (74.6, 50.9) (74.9, 50.9) (74.9, 56.6) (69.4, 56.7) (69.4, 56.5) (69.3, 56.5) (69.3, 54.4) (69.4, 54.4) (69.4, 53.9) (69.3, 53.9) (69.3, 54) (50.9, 54) (50.9, 54) (50.8, 54)
3 Enabling 10.000	2	Polygonal 11.600	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(79.7, 56.6) (79.7, 51.1)
Works 2									(84.2, 51.2) (84.2, 56.4) (84, 56.4) (84, 56.6) (79.7, 56.6)
4 Enabling 10.000	1	Polygonal 0.60000	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(51, 83.7) (56.3, 83.7)
Works 3									(56.2, 62.7) (50.9, 62.7) (51, 83.7)
5 Enabling 10.000	5	Polygonal -11.400	Horizontal N/A	N/A N/A	N/A 24.92000	N/A	N/A	N/A	(51.2, 62.7) (56.2, 62.7)
Works 4									(56.2, 57.3) (68.6, 57.2) (69.4, 57.2) (69.4, 56.5) (69.3, 56.5) (69.3, 54.4) (69.4, 54.4) (69.4, 53.9) (69.3, 53.9) (69.3, 54) (50.9, 54) (50.9, 62.7) (51.2, 62.7)
6 Enabling 10.000	8	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(88.3, 85.6) (103, 85.7)
Works 5.1									(103, 84.7) (104, 84.7) (104, 84.3) (103, 84.3) (102, 62.8) (88.3, 62.7) (87.6, 64.7) (87.5, 67.9) (87.3, 68.3) (87.4, 69.3) (87.5, 69.3) (88.3, 85.6)
7 Enabling 10.000	4	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(79.7, 69) (79.8, 68.6)
Works 5.2									(79.8, 57.6) (79.8, 56.6) (74.8, 56.6) (74.7, 57.1) (74.6, 57.1) (74.7, 68.5) (74.8, 68.5) (74.8, 68.8) (74.8, 69) (75, 69) (79.7, 69)
8 Enabling 10.000	6	Polygonal -52.000	Horizontal N/A	N/A N/A	N/A 27.00000	N/A	N/A	N/A	(50.9, 86.8) (50.9, 92.6)
Works 5.3									(50, 92.6) (49.9, 97.4) (57, 97.3) (57.1, 93.3) (67.2, 93.5) (67.2, 91.8)

9	Enabling	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(66.2,86.8) (50.9,86.8)
10.000	17	-18.400	N/A	N/A						(79.7,69) (84.6,69)
	Works 6.1									(84.6,68.3) (87.3,68.3)
										(87.5,67.9) (87.6,64.7)
										(88.3,62.7) (102,62.8)
										(102,52.4) (102,52.4)
										(102,51.8) (102,51.8)
										(102,51.9) (84.2,51.2)
										(84.2,56.4) (84,56.4)
										(84,56.6) (79.8,56.6)
										(79.8,68.6) (79.7,69)
10	Enabling	Polygonal	Horizontal	N/A	N/A	24.92000	N/A	N/A	N/A	(51,83.7) (51,83.8)
10.000	9	-18.400	N/A	N/A						
	Works 6.2									(50.8,83.8) (50.8,84.3)
										(50.9,84.3) (50.9,86.8)
										(66.2,86.8) (66.1,68.3)
										(68.8,68.3) (68.8,69.1)
										(74.8,69) (74.8,68.5)
										(74.7,68.5) (74.6,57.1)
										(74.7,57.1) (74.8,56.6)
										(69.4,56.7) (69.4,56.5)
										(69.4,57.2) (56.2,57.3)
										(56.3,83.7) (51,83.7)
11	B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(88.3,85.8) (104,85.8)
10.000	11	-107.80	N/A	N/A						
	Excavation A									(102,62.8) (88.3,62.7)
										(87.6,64.7) (87.5,67.9)
										(87.3,68.3) (87.4,69.3)
										(87.5,69.3) (88.3,85.8)
12	B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(79.9,77.2) (81.2,77.2)
10.000	26	-107.80	N/A	N/A						
	Excavation B									(81.2,78.7) (83.8,78.7)
										(83.9,80.4) (83.8,82.9)
										(86,83) (85.9,85.8)
										(88.3,85.8) (87.5,69.3)
										(87.4,69.3) (87.3,68.3)
										(87.5,67.9) (87.6,64.7)
										(88.3,62.7) (102,62.8)
										(102,53.1) (102,52.9)
										(87.6,52.4) (87.7,52.2)
										(87.7,50.4) (85.9,50.3)
										(85.9,50.5) (85.4,50.6)
										(85.3,50.1) (81,50) (80.7,51)
										(80.7,50.6) (79.7,50.6)
										(79.7,53.6) (79.7,56.6)
										(79.8,56.6) (79.8,68.1)
										(82.7,68.2) (82.6,71.4)

13 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(79.8, 71.3)	(79.9, 77.2)
10.000	5	-107.80	N/A	N/A					(69.6, 69.1)	(68.8, 69.1)
Excavation C										
									(68.8, 68.3)	(67.8, 68.3)
									(67.4, 78.2)	(70.5, 78.3)
									(70.6, 73.9)	(77.8, 74.2)
									(77.7, 77.1)	(79.9, 77.2)
									(79.8, 71.3)	(69.6, 70.9)
									(69.6, 69.1)	
14 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(79.8, 68.1)	(79.8, 56.6)
10.000	4	-107.80	N/A	N/A						
Excavation D										
									(79.7, 56.6)	(79.7, 50.6)
									(74.9, 50.4)	(74.9, 56.6)
									(74.8, 56.6)	(74.7, 57.1)
									(74.6, 57.1)	(74.7, 67.9)
									(79.8, 68.1)	
15 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(49.7, 69.5)	(49.7, 50.1)
10.000	10	-107.80	N/A	N/A						
Excavation F										
									(49.9, 49.6)	(50.3, 49.2)
									(50.8, 49.1)	(73.3, 49.8)
									(73.3, 50.4)	(74.9, 50.4)
									(74.9, 56.6)	(74.8, 56.6)
									(74.7, 57.1)	(74.6, 57.1)
									(74.7, 67.9)	(69.7, 67.8)
									(69.6, 69.1)	(68.8, 69.1)
									(68.8, 68.3)	(67.8, 68.3)
									(67.8, 67.9)	(61.9, 67.7)
									(61.9, 69.9)	(49.7, 69.5)
16 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(57.6, 97.8)	(50.4, 97.7)
10.000	20	-107.80	N/A	N/A						
Excavation G										
									(50.4, 86.8)	(66.2, 86.8)
									(66.1, 68.3)	(67.8, 68.3)
									(67.4, 78.2)	(70.5, 78.3)
									(70.6, 73.9)	(77.8, 74.2)
									(77.7, 77.1)	(81.2, 77.2)
									(81.2, 78.7)	(83.8, 78.7)
									(83.8, 82.9)	(86, 83)
									(85.9, 85.8)	(89.1, 85.8)
									(89.1, 90.1)	(83.8, 90.1)
									(83.7, 94)	(68.9, 94)
									(68.9, 93.7)	(57.6, 93.8)
									(57.6, 97.8)	
17 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	N/A	(53.3, 86.8)	(50.4, 86.8)
10.000	7	-107.80	N/A	N/A						
Excavation H										
									(50.4, 85.2)	(49.7, 85.2)
									(49.7, 69.5)	(61.9, 69.9)
									(61.9, 67.7)	(67.8, 67.9)
									(67.8, 68.3)	(66.1, 68.3)

18 Lift Pit -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(66.2, 86.8)	(53.3, 86.8)
10.000 1	-107.80	N/A	N/A					(69.6, 70.9)	(82.6, 71.4)
Excavation								(82.7, 68.2)	(69.7, 67.8)
19 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(69.6, 70.9)	(81.2, 77.2)
10.000 18	90.000	N/A	N/A					(81.2, 78.7)	(81.2, 77.2)
Construction								(82.6, 71.4)	(82.7, 68.2)
1								(79.8, 68.1)	(79.7, 53.6)
								(80.7, 51)	(81, 50) (85.3, 50.1)
								(85.4, 50.6)	(85.9, 50.5)
								(85.9, 50.3)	(87.7, 50.4)
								(87.6, 52.4)	(102, 52.9)
								(102, 53.1)	(104, 85.8)
								(85.9, 85.8)	(86, 83)
								(83.8, 82.9)	(83.8, 78.7)
								(81.2, 78.7)	
20 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(81.2, 77.2)	(77.7, 77.1)
10.000 12	90.000	N/A	N/A						
Construction									
2								(77.8, 74.2)	(70.6, 73.9)
								(70.5, 78.3)	(67.4, 78.2)
								(67.8, 67.9)	(61.9, 67.7)
								(61.9, 69.9)	(49.7, 69.6)
								(49.7, 50.1)	(49.9, 49.6)
								(50.3, 49.2)	(50.8, 49.1)
								(73.3, 49.8)	(73.3, 50.4)
								(80.7, 50.6)	(80.7, 51)
								(79.7, 53.6)	(79.8, 68.1)
								(69.7, 67.8)	(69.6, 70.9)
								(82.6, 71.4)	(81.2, 77.2)
21 B1 -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(49.7, 69.6)	(49.7, 85.2)
10.000 20	90.000	N/A	N/A						
Construction									
3								(50.4, 85.2)	(50.4, 97.6)
								(57.6, 97.8)	(57.6, 93.8)
								(68.9, 93.7)	(68.9, 94)
								(83.7, 94)	(83.8, 90.1)
								(89.1, 90.1)	(89.1, 85.8)
								(85.9, 85.8)	(86, 83)
								(83.8, 82.9)	(83.8, 78.7)
								(81.2, 78.7)	(81.2, 77.2)
								(77.7, 77.1)	(77.8, 74.2)
								(70.6, 73.9)	(70.5, 78.3)
								(67.4, 78.2)	(67.8, 67.9)
								(61.9, 67.7)	(61.9, 69.9)
								(49.7, 69.6)	
22 Lift Pit -	Polygonal	Horizontal	N/A	N/A	21.61000	N/A	N/A	(69.6, 70.9)	(69.7, 67.8)
10.000 1	90.000	N/A	N/A						
Construction									
								(82.7, 68.2)	(82.6, 71.4)

(69.6,70.9)

Polygonal Loads' Rectangles

No.	Centre of load		Angle of	Width x	Depth y
	X	Y	local x		
			from		
			global X		
	[m]	[m]	[Degrees]	[m]	[m]
Load 1 : Enabling Works 1.1					
(Edge 1 optimal)					
1	85.96575	68.62430	-90.000	0.72060	2.7389
2	86.25496	85.51930	-90.000	0.080600	4.0650
3	83.90496	77.39135	-90.000	16.175	7.9464
4	83.53306	69.15790	-90.000	0.29160	7.6579
Load 2 : Enabling Works 1.2					
(Edge 8 optimal)					
1	74.72227	53.76071	179.70	0.29834	5.7764
2	74.50608	53.69022	179.70	0.13328	5.9196
3	73.38191	53.60396	179.70	2.1141	6.1038
4	72.27104	53.65303	179.70	0.10809	6.0171
5	70.82165	53.69847	179.70	2.7911	5.9413
6	69.36205	55.45700	179.70	0.11140	2.0256
7	69.34631	52.28483	179.70	0.14490	3.2210
8	60.08459	52.17200	179.70	18.377	3.6701
9	50.86525	51.98391	179.70	0.059351	3.9657
Load 3 : Enabling Works 2					
(Edge 6 optimal)					
1	84.10209	53.82223	179.70	0.17084	5.1608
2	81.83703	53.88717	179.70	4.3426	5.4473
Load 4 : Enabling Works 3					
(Edge 1 optimal)					
1	53.57203	73.19282	89.768	20.955	5.2830
Load 5 : Enabling Works 4					
(Edge 5 optimal)					
1	69.35496	53.93215	89.790	0.073173	0.14390
2	60.16382	54.24442	89.790	0.46665	18.523
3	60.10138	55.49083	89.790	2.0257	18.398
4	60.16260	56.85433	89.790	0.70086	18.521
5	53.53159	59.98233	89.790	5.4340	5.2588
Load 6 : Enabling Works 5.1					
(Edge 1 optimal)					
1	87.39194	68.73367	177.17	0.10142	1.1364
2	103.47440	84.49295	177.17	0.057148	0.35654
3	102.87954	73.74655	177.17	0.051448	21.875
4	102.83684	74.00626	177.17	0.059465	22.397
5	95.82251	74.19070	177.17	13.970	22.928
6	88.47096	74.61110	177.17	0.75634	21.938
7	88.02372	75.92575	177.17	0.26668	19.295

8	87.89848	76.77219	177.17	0.066950	17.597
Load 7 : Enabling Works 5.2					
(Edge 2 optimal)					
1	77.30828	62.82955	179.71	4.7194	12.389
2	74.86860	62.84227	179.71	0.16007	12.389
3	74.71247	62.84688	179.71	0.057203	11.400
4	79.73953	62.71925	179.71	0.14339	12.195
Load 8 : Enabling Works 5.3					
(Edge 9 optimal)					
1	67.01345	92.21826	-179.22	0.36715	2.5219
2	66.65756	91.38615	-179.22	0.36715	4.1763
3	66.30167	90.55403	-179.22	0.36715	5.8308
4	61.61512	90.10464	-179.22	9.0173	6.6023
5	53.97184	92.08378	-179.22	6.2083	10.579
6	50.39858	94.99581	-179.22	0.85857	4.8591
Load 9 : Enabling Works 6.1					
(Edge 20 optimal)					
1	79.73580	68.96266	-0.29546	0.071904	0.098465
2	79.80721	68.86498	-0.29546	0.071904	0.29301
3	81.94089	62.80476	-0.29546	4.2276	12.389
4	84.14830	62.69382	-0.29546	0.17106	12.586
5	84.40097	60.11840	-0.29546	0.29922	17.734
6	85.91269	59.78219	-0.29546	2.7202	16.952
7	87.36286	59.72483	-0.29546	0.18066	16.731
8	87.50962	58.82734	-0.29546	0.12210	14.925
9	87.89653	57.52027	-0.29546	0.66520	12.282
10	94.98145	57.19077	-0.29546	13.508	11.106
11	101.80604	52.08427	-0.29546	0.11115	0.54843
12	101.82779	58.02577	-0.29546	0.093376	9.5824
13	101.92566	58.89788	-0.29546	0.093376	7.8402
14	102.02354	59.77000	-0.29546	0.093376	6.0979
15	102.12141	60.64211	-0.29546	0.093376	4.3556
16	102.21929	61.51423	-0.29546	0.093376	2.6134
17	102.31716	62.38634	-0.29546	0.093376	0.87113
Load 10 : Enabling Works 6.2					
(Edge 19 optimal)					
1	61.15982	72.00771	-0.29653	9.8648	29.566
2	67.42842	62.74639	-0.29653	2.6850	11.122
3	69.11334	63.12129	-0.29653	0.68088	11.893
4	72.06678	62.85738	-0.29653	5.2215	12.389
5	74.69732	56.89668	-0.29653	0.10120	0.49514
6	74.74200	68.79252	-0.29653	0.055268	0.49027
7	50.85415	84.06772	-0.29653	0.069227	0.43996
8	50.93103	85.31834	-0.29653	0.071589	2.9447
9	53.61552	85.23107	-0.29653	5.2971	3.1193
Load 11 : B1 - Excavation A					
(Edge 2 optimal)					
1	87.39194	68.73367	177.17	0.10142	1.1364

2	103.83344	84.80675	177.17	0.055700	1.9140
3	103.68331	82.89506	177.17	0.055700	5.7420
4	103.53318	80.98336	177.17	0.055700	9.5700
5	103.38306	79.07167	177.17	0.055700	13.398
6	103.23293	77.15998	177.17	0.055700	17.226
7	103.08281	75.24828	177.17	0.055700	21.054
8	95.91658	74.25337	177.17	14.161	23.041
9	88.47350	74.70897	177.17	0.75176	22.122
10	88.02852	76.02311	177.17	0.26668	19.490
11	87.90322	76.87045	177.17	0.067159	17.794

Load 12 : B1 - Excavation B

(Edge 1 optimal)

1	85.06497	70.33633	-88.104	2.2166	4.9279
2	85.00008	68.74834	-88.104	0.95330	4.6931
3	83.57932	68.17617	-88.104	0.096374	7.4833
4	83.62244	67.96498	-88.104	0.32865	7.5713
5	83.68998	66.16201	-88.104	3.2798	7.7205
6	83.87587	63.52106	-88.104	2.0115	8.1131
7	85.22039	62.50809	-88.104	0.10230	10.812
8	87.58384	62.48399	-88.104	0.10230	15.542
9	89.94729	62.45989	-88.104	0.10230	20.272
10	91.03518	59.71864	-88.104	5.4492	22.471
11	90.82344	55.48598	-88.104	2.9975	22.346
12	90.75261	53.35052	-88.104	1.2664	22.210
13	90.69368	52.61016	-88.104	0.20961	22.094
14	83.66789	52.14714	-88.104	0.25093	8.0357
15	83.68881	51.55018	-88.104	0.94373	8.0793
16	80.18139	50.77231	-88.104	0.37902	1.0626
17	84.24735	50.83072	-88.104	0.53136	6.9221
18	83.14684	50.28438	-88.104	0.48790	4.4051
19	86.67559	50.57043	-88.104	0.14965	2.0447
20	86.78349	50.43774	-88.104	0.12274	1.8215
21	86.49640	85.73592	-88.104	0.078971	1.2077
22	87.08916	84.37478	-88.104	2.6810	2.3026
23	85.96652	81.74569	-88.104	2.5000	4.2847
24	85.92278	79.65061	-88.104	1.6850	4.1586
25	84.55953	78.04717	-88.104	1.4299	6.7276
26	83.78941	74.35473	-88.104	5.9000	7.8946

Load 13 : B1 - Excavation C

(Edge 11 optimal)

1	78.82849	75.66627	-88.104	2.9500	2.1143
2	69.03338	76.05752	-88.104	4.3800	3.0393
3	73.72851	72.54590	-88.104	2.9499	12.156
4	68.67376	69.98410	-88.104	1.8365	1.8598
5	68.29690	68.68740	-88.104	0.73057	1.0083

Load 14 : B1 - Excavation D

(Edge 1 optimal)

1	74.73591	62.53858	-0.39631	0.10120	10.789
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2	74.86064	62.29262	-0.39631	0.12960	11.289
3	77.30333	59.25235	-0.39631	4.7476	17.533
4	79.74959	62.36051	-0.39631	0.10180	11.477

Load 15 : B1 - Excavation F

(Edge 6 optimal)

1	61.93685	49.51710	91.879	0.12784	22.734
2	61.69386	49.77453	91.879	0.40269	23.203
3	62.32646	50.24511	91.879	0.47059	25.099
4	62.28932	53.35711	91.879	5.7525	25.191
5	62.22657	56.48547	91.879	0.49508	25.066
6	62.18906	62.12735	91.879	10.777	24.993
7	59.68631	67.54554	91.879	0.21762	19.986
8	68.73979	68.12583	91.879	0.34542	1.8509
9	69.22373	68.68307	91.879	0.73672	0.84660
10	55.79293	68.62586	91.879	2.1971	12.196

Load 16 : B1 - Excavation G

(Edge 3 optimal)

1	53.96705	92.25787	0.0	7.1827	10.934
2	61.88130	90.26159	0.0	8.5750	6.9418
3	66.14175	72.93333	0.0	0.054100	9.2383
4	66.80015	81.00975	0.0	1.2627	25.398
5	67.46278	72.83949	0.0	0.062567	9.0641
6	67.52535	72.01517	0.0	0.062567	7.4161
7	67.58792	71.19084	0.0	0.062567	5.7681
8	67.65048	70.36651	0.0	0.062567	4.1200
9	67.71305	69.54219	0.0	0.062567	2.4720
10	67.77562	68.71786	0.0	0.062567	0.82401
11	68.18025	85.96125	0.0	1.4975	15.482
12	69.70440	86.11146	0.0	1.5508	15.681
13	70.55220	85.03087	0.0	0.14480	17.846
14	74.17385	83.99935	0.0	7.0985	19.926
15	77.77190	74.89339	0.0	0.097600	1.4758
16	79.44850	85.56851	0.0	3.4508	16.812
17	82.46020	86.33719	0.0	2.5726	15.288
18	84.83780	86.52759	0.0	2.1076	7.1372
19	85.93720	83.68577	0.0	0.091200	1.3808
20	87.47320	87.93869	0.0	3.1632	4.3614

Load 17 : B1 - Excavation H

(Edge 1 optimal)

1	51.81970	78.19297	-180.00	2.8880	17.195
2	50.03695	77.37189	-180.00	0.67750	15.671
3	66.96080	68.10222	-180.00	1.6922	0.41557
4	66.14175	82.17160	-180.00	0.054100	9.2382
5	64.01920	77.29391	-180.00	4.1910	18.994
6	61.88745	77.80903	-180.00	0.072500	17.963
7	57.55745	78.28782	-180.00	8.5875	17.006

Load 18 : Lift Pit - Excavation

(Edge 2 optimal)

1	76.12170	69.56345	1.8951	13.000	3.1699
Load 19 : B1 - Construction 1					
(Edge 1 optimal)					
1	92.32542	78.30415	-88.104	1.4299	22.268
2	92.55541	74.64476	-88.104	5.9001	21.336
3	92.77179	70.11444	-88.104	3.1699	20.318
4	91.05245	61.23275	-88.104	14.470	22.623
5	90.87751	53.35465	-88.104	1.2661	21.959
6	90.96457	52.61919	-88.104	0.20982	21.552
7	84.05911	51.68797	-88.104	1.1948	7.1802
8	84.23147	50.83018	-88.104	0.53129	6.8903
9	83.14683	50.28438	-88.104	0.48796	4.4051
10	86.66970	50.57022	-88.104	0.14964	2.0329
11	86.78160	50.43766	-88.104	0.12274	1.8177
12	86.79342	85.72634	-88.104	0.11775	1.8007
13	88.59705	85.66821	-88.104	0.11775	5.4022
14	90.40069	85.61009	-88.104	0.11775	9.0036
15	92.20432	85.55197	-88.104	0.11775	12.605
16	94.00796	85.49384	-88.104	0.11775	16.207
17	94.89277	84.37800	-88.104	2.1713	17.901
18	93.71864	81.15925	-88.104	4.1850	19.842
Load 20 : B1 - Construction 2					
(Edge 2 optimal)					
1	79.66461	75.69395	-88.104	2.9500	3.7875
2	69.03338	76.05752	-88.104	4.3800	3.0393
3	74.94156	72.58606	-88.104	2.9499	14.584
4	68.69353	69.42763	-88.104	2.9501	1.8572
5	55.79291	68.62560	-88.104	2.2003	12.196
6	59.68630	67.54363	-88.104	0.21983	19.986
7	64.72350	60.36127	-88.104	14.470	30.064
8	64.92945	51.84983	-88.104	2.5573	30.474
9	65.20242	50.52281	-88.104	0.11339	30.980
10	65.25796	50.28921	-88.104	0.35724	30.925
11	61.70101	49.77472	-88.104	0.39573	23.209
12	61.93831	49.52057	-88.104	0.12800	22.737
Load 21 : B1 - Construction 3					
(Edge 15 optimal)					
1	61.86698	81.28176	0.094189	0.068885	24.909
2	64.66476	80.77207	0.094189	5.5250	25.906
3	67.47810	72.54011	0.094189	0.074602	9.2566
4	67.55439	71.51406	0.094189	0.074602	7.1996
5	67.63068	70.48802	0.094189	0.074602	5.1426
6	67.70697	69.46197	0.094189	0.074602	3.0855
7	67.78326	68.43592	0.094189	0.074602	1.0285
8	68.18018	85.96588	0.094189	1.5229	15.490
9	69.70417	86.11165	0.094189	1.5256	15.681
10	70.53753	85.03084	0.094189	0.13760	17.846
11	74.15990	83.99936	0.094189	7.1037	19.926

12	77.77311	74.89343	0.094189	0.092753	1.4757
13	79.43586	85.56850	0.094189	3.4533	16.812
14	82.46017	86.33738	0.094189	2.5978	15.288
15	84.83849	86.52768	0.094189	2.1037	7.1370
16	85.93833	83.68581	0.094189	0.086665	1.3807
17	87.46962	87.93866	0.094189	3.1632	4.3613
18	50.04865	77.39173	0.094189	0.67984	15.631
19	53.99005	83.68298	0.094189	7.1830	27.979
20	59.72256	81.80444	0.094189	4.2182	23.881

Load 22 : Lift Pit - Construction

(Edge 1 optimal)

1	76.12170	69.56345	-88.104	3.1696	13.000
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Displacement Data

Show Ref.	Type	Name	Direction	Line/Line for extrusion						No. of intrvls	No. of intrvls	
			of	First point			Second point			across	Extrusion	along
Calculate Detailed			Extrusion	X	Y	Z(level)	X	Y	Z(level)	extrusion/line	Depth	extrusion
results				[m]	[m]	[m]	[m]	[m]	[m]		[m]	
1	Line	Tottenham	N/A	102.36610	62.82240	27.00000	127.36600	62.82200	27.00000	25	N/A	N/A
Yes	Yes	Court Road										
2	Line	Howland	N/A	73.35500	51.30090	27.00000	73.35500	36.30100	27.00000	15	N/A	N/A
Yes	Yes	Street										
3	Line	Whitfield	N/A	50.82040	76.36570	27.00000	40.82040	76.36570	27.00000	10	N/A	N/A
Yes	Yes	Street										
4	Line	Qube	N/A	94.43210	85.75880	24.36000	94.43200	137.75900	24.36000	52	N/A	N/A
Yes	Yes											
5	Grid	Raft	Global X	0.00000	0.00000	21.61000	N/A	147.59400	21.61000	60	153.90900	60
Yes	Yes	Formation										

Warnings

(1)The displacement location of Grid 5 at (153.909, 0.000, 21.610)m lies wide of all soil zones. The first soil profile will be used. There are more displacement locations for which this warning applies. Only one is detailed here.

RESULTS FOR GRIDS

Analysis: Boussinesq

Global Poisson's ratio: 0.20

Horizontal rigid boundary level: -10.00 [m OD]

The maximum displacement difference between the Boussinesq method (-22.580mm) and the Mindlin method (-19.572mm) occurs at point X = 77.25530m, Y = 62.82244m, level = 27.000mOD, and is 3.0070mm.

Name	Location		Displacement		Stresses			
	X [m]	Y [m]	Z [Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m ²]	Sum Princ [kN/m ²]	Vert Strain [-]
Enabling Works 1.1	83.93674	77.19338	24.92000	-5.5243	24.815	17.278	30.246	0.0010489
Enabling Works 1.2	63.82263	52.65957	24.92000	-3.0944	24.815	18.580	41.234	0.0010035
Enabling Works 2	81.91347	53.88372	24.92000	-6.1550	24.815	11.022	20.454	652.50E-6
Enabling Works 3	53.57175	73.19850	24.92000	-6.7615	24.815	0.57984	-0.31224	54.162E-6
Enabling Works 4	57.97182	57.03782	24.92000	-8.5737	24.815	-11.452	-29.194	-564.51E-6
Enabling Works 5.1	95.37095	74.24229	27.00000	-27.258	26.886	-52.000	-123.39	-0.0026944
Enabling Works 5.2	77.25530	62.82244	27.00000	-22.580	26.886	-51.998	-121.07	-0.0027274
Enabling Works 5.3	57.68470	91.26023	27.00000	-22.167	26.886	-51.998	-121.90	-0.0027155
Enabling Works 6.1	90.34978	58.88939	24.92000	-13.487	24.815	-19.395	-53.861	-892.99E-6
Enabling Works 6.2	63.18110	70.26044	24.92000	-12.039	24.815	-18.429	-45.246	-933.23E-6
B1 - Excavation A	95.48867	74.34890	21.61000	-15.891	21.538	-63.704	-108.48	-0.0018367
B1 - Excavation B	88.19409	62.78266	21.61000	-10.602	21.538	59.473	100.05	0.0017229
B1 - Excavation C	72.85398	73.46545	21.61000	-8.3464	21.538	-20.423	-55.687	-448.53E-6
B1 - Excavation D	77.25622	59.39440	21.61000	-11.162	21.538	-43.056	-78.543	-0.0012063
B1 - Excavation F	61.85746	59.15857	21.61000	-8.9909	21.538	-33.680	-68.982	-893.01E-6
B1 - Excavation G	70.40714	86.59129	21.61000	-7.6715	21.538	-21.574	-55.483	-496.22E-6
B1 - Excavation H	58.12595	77.94039	21.61000	-9.7878	21.538	-33.180	-71.838	-853.72E-6
Lift Pit - Excavation	76.12170	69.56345	21.61000	-10.010	21.538	-31.073	-67.661	-796.94E-6
B1 - Construction 1	91.88972	68.27504	21.61000	-15.265	21.538	-58.917	-102.48	-0.0016842
B1 -	65.35923	60.76965	21.61000	-9.9227	21.538	-35.264	-73.560	-926.06E-6

Construction 2								
B1 -	65.87426	83.38958	21.61000	-9.7477	21.538	-31.535	-69.539	-802.91E-6
Construction 3								
Lift Pit -	76.12170	69.56345	21.61000	-10.010	21.538	-31.073	-67.661	-796.94E-6
Construction								
Tottenham Court	102.36610	62.82240	27.00000	-13.789	26.886	-15.741	-42.750	-738.47E-6
Road								
	103.36610	62.82238	27.00000	-8.2188	26.886	-0.010744	-2.5176	35.045E-6
	104.36609	62.82237	27.00000	-6.1527	26.886	-0.0012564	-1.1091	15.737E-6
	105.36609	62.82235	27.00000	-4.8599	26.886	-356.55E-6	-0.67361	9.5925E-6
	106.36608	62.82234	27.00000	-3.9372	26.886	-146.00E-6	-0.46613	6.6465E-6
	107.36608	62.82232	27.00000	-3.2379	26.886	-72.982E-6	-0.34631	4.9410E-6
	108.36608	62.82230	27.00000	-2.6899	26.886	-41.336E-6	-0.26909	3.8405E-6
	109.36607	62.82229	27.00000	-2.2509	26.886	-25.496E-6	-0.21568	3.0789E-6
	110.36607	62.82227	27.00000	-1.8937	26.886	-16.727E-6	-0.17686	2.5252E-6
	111.36606	62.82226	27.00000	-1.5998	26.886	-11.498E-6	-0.14761	2.1077E-6
	112.36606	62.82224	27.00000	-1.3556	26.886	-8.1965E-6	-0.12493	1.7841E-6
	113.36606	62.82222	27.00000	-1.1513	26.886	-6.0164E-6	-0.10697	1.5276E-6
	114.36605	62.82221	27.00000	-0.97945	26.886	-4.5232E-6	-0.092470	1.3206E-6
	115.36605	62.82219	27.00000	-0.83406	26.886	-3.4693E-6	-0.080600	1.1511E-6
	116.36604	62.82218	27.00000	-0.71060	26.886	-2.7064E-6	-0.070757	1.0106E-6
	117.36604	62.82216	27.00000	-0.60538	26.886	-2.1422E-6	-0.062508	0.0
	118.36604	62.82214	27.00000	-0.51546	26.886	-1.7173E-6	-0.055529	0.0
	119.36603	62.82213	27.00000	-0.43840	26.886	-1.3920E-6	-0.049578	0.0
	120.36603	62.82211	27.00000	-0.37223	26.886	-1.1396E-6	-0.044465	0.0
	121.36602	62.82210	27.00000	-0.31531	26.886	0.0	-0.040045	0.0
	122.36602	62.82208	27.00000	-0.26626	26.886	0.0	-0.036201	0.0
	123.36602	62.82206	27.00000	-0.22394	26.886	0.0	-0.032840	0.0
	124.36601	62.82205	27.00000	-0.18738	26.886	0.0	-0.029888	0.0
	125.36601	62.82203	27.00000	-0.15579	26.886	0.0	-0.027284	0.0
	126.36600	62.82202	27.00000	-0.12845	26.886	0.0	-0.024976	0.0
	127.36600	62.82200	27.00000	-0.10480	26.886	0.0	-0.022924	0.0
Howland Street	73.35500	51.30090	27.00000	-2.7801	26.886	-29.452E-6	-0.16043	2.2893E-6
	73.35500	50.30091	27.00000	-2.9716	26.886	-17.274E-6	-0.12574	1.7948E-6
	73.35500	49.30091	27.00000	-2.4058	26.886	-10.761E-6	-0.10139	1.4476E-6
	73.35500	48.30092	27.00000	-1.9951	26.886	-7.0411E-6	-0.083672	1.1947E-6
	73.35500	47.30093	27.00000	-1.6785	26.886	-4.7995E-6	-0.070366	1.0048E-6
	73.35500	46.30093	27.00000	-1.4203	26.886	-3.3869E-6	-0.060109	0.0
	73.35500	45.30094	27.00000	-1.2056	26.886	-2.4620E-6	-0.052022	0.0
	73.35500	44.30095	27.00000	-1.0253	26.886	-1.8362E-6	-0.045520	0.0
	73.35500	43.30095	27.00000	-0.87287	26.886	-1.4003E-6	-0.040202	0.0
	73.35500	42.30096	27.00000	-0.74341	26.886	-1.0888E-6	-0.035790	0.0
	73.35500	41.30097	27.00000	-0.63299	26.886	0.0	-0.032081	0.0
	73.35500	40.30097	27.00000	-0.53851	26.886	0.0	-0.028928	0.0
	73.35500	39.30098	27.00000	-0.45747	26.886	0.0	-0.026222	0.0
	73.35500	38.30099	27.00000	-0.38780	26.886	0.0	-0.023878	0.0
	73.35500	37.30099	27.00000	-0.32781	26.886	0.0	-0.021833	0.0
	73.35500	36.30100	27.00000	-0.27606	26.886	0.0	-0.020035	0.0

Whitfield Street	50.82040	76.36570	27.00000	-5.4186	26.886	-5.6790E-6	-0.088002	1.2567E-6
	49.82040	76.36570	27.00000	-4.5238	26.886	-5.0391E-6	-0.081809	1.1683E-6
	48.82040	76.36570	27.00000	-3.3130	26.886	-4.4118E-6	-0.075623	1.0800E-6
	47.82040	76.36570	27.00000	-2.6734	26.886	-3.8175E-6	-0.069569	0.0
	46.82040	76.36570	27.00000	-2.2132	26.886	-3.2713E-6	-0.063751	0.0
	45.82040	76.36570	27.00000	-1.8554	26.886	-2.7819E-6	-0.058245	0.0
	44.82040	76.36570	27.00000	-1.5668	26.886	-2.3527E-6	-0.053104	0.0
	43.82040	76.36570	27.00000	-1.3293	26.886	-1.9823E-6	-0.048354	0.0
	42.82040	76.36570	27.00000	-1.1310	26.886	-1.6668E-6	-0.044003	0.0
	41.82040	76.36570	27.00000	-0.96413	26.886	-1.4005E-6	-0.040041	0.0
	40.82040	76.36570	27.00000	-0.82264	26.886	-1.1772E-6	-0.036453	0.0
Qube	94.43210	85.75880	24.36000	-11.250	24.244	-25.168	-47.032	-693.18E-6
	94.43210	86.75880	24.36000	-8.4656	24.244	-14.251	-34.262	-341.62E-6
	94.43210	87.75881	24.36000	-6.6104	24.244	-7.2329	-24.218	-127.87E-6
	94.43209	88.75881	24.36000	-5.2427	24.244	-3.6717	-17.280	-31.668E-6
	94.43209	89.75882	24.36000	-4.2186	24.244	-1.9604	-12.653	5.9377E-6
	94.43209	90.75882	24.36000	-3.4377	24.244	-1.1123	-9.5353	19.077E-6
	94.43209	91.75882	24.36000	-2.8306	24.244	-0.66781	-7.3802	22.489E-6
	94.43209	92.75883	24.36000	-2.3505	24.244	-0.42115	-5.8484	22.143E-6
	94.43208	93.75883	24.36000	-1.9652	24.244	-0.27697	-4.7302	20.456E-6
	94.43208	94.75883	24.36000	-1.6522	24.244	-0.18878	-3.8940	18.409E-6
	94.43208	95.75884	24.36000	-1.3953	24.244	-0.13270	-3.2553	16.394E-6
	94.43208	96.75884	24.36000	-1.1824	24.244	-0.095793	-2.7580	14.555E-6
	94.43208	97.75885	24.36000	-1.0048	24.244	-0.070783	-2.3642	12.930E-6
	94.43207	98.75885	24.36000	-0.85562	24.244	-0.053388	-2.0477	11.516E-6
	94.43207	99.75885	24.36000	-0.72957	24.244	-0.041008	-1.7897	10.291E-6
	94.43207	100.75886	24.36000	-0.62257	24.244	-0.032015	-1.5770	9.2326E-6
	94.43207	101.75886	24.36000	-0.53135	24.244	-0.025362	-1.3995	8.3158E-6
	94.43207	102.75887	24.36000	-0.45331	24.244	-0.020358	-1.2501	7.5196E-6
	94.43207	103.75887	24.36000	-0.38632	24.244	-0.016537	-1.1230	6.8254E-6
	94.43206	104.75887	24.36000	-0.32866	24.244	-0.013579	-1.0141	6.2176E-6
	94.43206	105.75888	24.36000	-0.27892	24.244	-0.011260	-0.92003	5.6831E-6
	94.43206	106.75888	24.36000	-0.23591	24.244	-0.0094208	-0.83819	5.2111E-6
	94.43206	107.75888	24.36000	-0.19866	24.244	-0.0079470	-0.76655	4.7924E-6
	94.43206	108.75889	24.36000	-0.16634	24.244	-0.0067539	-0.70346	4.4195E-6
	94.43205	109.75889	24.36000	-0.13827	24.244	-0.0057794	-0.64759	4.0861E-6
	94.43205	110.75890	24.36000	-0.11387	24.244	-0.0049767	-0.59789	3.7868E-6
	94.43205	111.75890	24.36000	-0.092630	24.244	-0.0043101	-0.55345	3.5173E-6
	94.43205	112.75890	24.36000	-0.074140	24.244	-0.0037527	-0.51356	3.2736E-6
	94.43205	113.75891	24.36000	-0.058036	24.244	-0.0032833	-0.47760	3.0527E-6
	94.43204	114.75891	24.36000	-0.044009	24.244	-0.0028856	-0.44508	2.8518E-6
	94.43204	115.75892	24.36000	-0.031794	24.244	-0.0025466	-0.41557	2.6686E-6
	94.43204	116.75892	24.36000	-0.021161	24.244	-0.0022560	-0.38870	2.5011E-6
	94.43204	117.75892	24.36000	-0.011912	24.244	-0.0020058	-0.36417	2.3476E-6
	94.43204	118.75893	24.36000	-0.0038751	24.244	-0.0017892	-0.34172	2.2066E-6
	94.43203	119.75893	24.36000	0.0030980	24.244	-0.0016009	-0.32112	2.0767E-6
	94.43203	120.75893	24.36000	0.0091375	24.244	-0.0014366	-0.30217	1.9570E-6

	94.43203	121.75894	24.36000	0.014357	24.244	-0.0012926	-0.28470	1.8463E-6
	94.43203	122.75894	24.36000	0.018854	24.244	-0.0011659	-0.26857	1.7438E-6
	94.43203	123.75895	24.36000	0.022717	24.244	-0.0010541	-0.25364	1.6488E-6
	94.43203	124.75895	24.36000	0.026020	24.244	-955.22E-6	-0.23980	1.5605E-6
	94.43202	125.75895	24.36000	0.028831	24.244	-867.40E-6	-0.22696	1.4783E-6
	94.43202	126.75896	24.36000	0.031209	24.244	-789.20E-6	-0.21501	1.4018E-6
	94.43202	127.75896	24.36000	0.033203	24.244	-719.40E-6	-0.20389	1.3305E-6
	94.43202	128.75897	24.36000	0.034861	24.244	-656.94E-6	-0.19351	1.2638E-6
	94.43202	129.75897	24.36000	0.036222	24.244	-600.92E-6	-0.18382	1.2015E-6
	94.43201	130.75897	24.36000	0.037321	24.244	-550.56E-6	-0.17477	1.1431E-6
	94.43201	131.75898	24.36000	0.038190	24.244	-505.20E-6	-0.16629	1.0884E-6
	94.43201	132.75898	24.36000	0.038857	24.244	-464.26E-6	-0.15835	1.0371E-6
	94.43201	133.75898	24.36000	0.039345	24.244	-427.23E-6	-0.15090	0.0
	94.43201	134.75899	24.36000	0.039677	24.244	-393.69E-6	-0.14390	0.0
	94.43200	135.75899	24.36000	0.039873	24.244	-363.25E-6	-0.13732	0.0
	94.43200	136.75900	24.36000	0.039948	24.244	-335.59E-6	-0.13113	0.0
	94.43200	137.75900	24.36000	0.039918	24.244	-310.40E-6	-0.12530	0.0
Raft Formation	0.00000	0.00000	21.61000	0.019326	21.538	-136.54E-6	-0.053104	0.0
	2.56515	0.00000	21.61000	0.020093	21.538	-148.28E-6	-0.055835	0.0
	5.13030	0.00000	21.61000	0.020877	21.538	-161.05E-6	-0.058708	0.0
	7.69545	0.00000	21.61000	0.021678	21.538	-174.92E-6	-0.061728	0.0
	10.26060	0.00000	21.61000	0.022492	21.538	-189.99E-6	-0.064897	0.0
	12.82575	0.00000	21.61000	0.023317	21.538	-206.32E-6	-0.068220	0.0
	15.39090	0.00000	21.61000	0.024151	21.538	-224.02E-6	-0.071699	0.0
	17.95605	0.00000	21.61000	0.024989	21.538	-243.18E-6	-0.075335	0.0
	20.52120	0.00000	21.61000	0.025828	21.538	-263.87E-6	-0.079129	0.0
	23.08635	0.00000	21.61000	0.026664	21.538	-286.19E-6	-0.083079	0.0
	25.65150	0.00000	21.61000	0.027492	21.538	-310.21E-6	-0.087184	0.0
	28.21665	0.00000	21.61000	0.028308	21.538	-336.03E-6	-0.091438	0.0
	30.78180	0.00000	21.61000	0.029107	21.538	-363.70E-6	-0.095836	0.0
	33.34695	0.00000	21.61000	0.029885	21.538	-393.28E-6	-0.10037	0.0
	35.91210	0.00000	21.61000	0.030636	21.538	-424.81E-6	-0.10503	0.0
	38.47725	0.00000	21.61000	0.031357	21.538	-458.31E-6	-0.10979	0.0
	41.04240	0.00000	21.61000	0.032042	21.538	-493.77E-6	-0.11466	0.0
	43.60755	0.00000	21.61000	0.032689	21.538	-531.14E-6	-0.11960	0.0
	46.17270	0.00000	21.61000	0.033292	21.538	-570.34E-6	-0.12459	0.0
	48.73785	0.00000	21.61000	0.033850	21.538	-611.21E-6	-0.12960	0.0
	51.30300	0.00000	21.61000	0.034358	21.538	-653.56E-6	-0.13462	0.0
	53.86815	0.00000	21.61000	0.034815	21.538	-697.11E-6	-0.13959	0.0
	56.43330	0.00000	21.61000	0.035218	21.538	-741.50E-6	-0.14449	0.0
	58.99845	0.00000	21.61000	0.035567	21.538	-786.31E-6	-0.14926	0.0
	61.56360	0.00000	21.61000	0.035860	21.538	-831.00E-6	-0.15388	0.0
	64.12875	0.00000	21.61000	0.036098	21.538	-874.98E-6	-0.15827	1.0267E-6
	66.69390	0.00000	21.61000	0.036280	21.538	-917.59E-6	-0.16241	1.0527E-6
	69.25905	0.00000	21.61000	0.036407	21.538	-958.10E-6	-0.16622	1.0767E-6
	71.82420	0.00000	21.61000	0.036482	21.538	-995.76E-6	-0.16966	1.0982E-6
	74.38935	0.00000	21.61000	0.036507	21.538	-0.0010298	-0.17267	1.1170E-6
	76.95450	0.00000	21.61000	0.036484	21.538	-0.0010596	-0.17521	1.1329E-6

79.51965	0.00000	21.61000	0.036415	21.538	-0.0010843	-0.17722	1.1454E-6
82.08480	0.00000	21.61000	0.036305	21.538	-0.0011033	-0.17867	1.1544E-6
84.64995	0.00000	21.61000	0.036155	21.538	-0.0011163	-0.17953	1.1596E-6
87.21510	0.00000	21.61000	0.035969	21.538	-0.0011229	-0.17977	1.1609E-6
89.78025	0.00000	21.61000	0.035747	21.538	-0.0011227	-0.17938	1.1583E-6
92.34540	0.00000	21.61000	0.035493	21.538	-0.0011159	-0.17836	1.1518E-6
94.91055	0.00000	21.61000	0.035205	21.538	-0.0011025	-0.17672	1.1413E-6
97.47570	0.00000	21.61000	0.034886	21.538	-0.0010828	-0.17448	1.1271E-6
100.04085	0.00000	21.61000	0.034533	21.538	-0.0010573	-0.17167	1.1093E-6
102.60600	0.00000	21.61000	0.034147	21.538	-0.0010265	-0.16834	1.0881E-6
105.17115	0.00000	21.61000	0.033726	21.538	-991.08E-6	-0.16453	1.0640E-6
107.73630	0.00000	21.61000	0.033269	21.538	-951.78E-6	-0.16030	1.0372E-6
110.30145	0.00000	21.61000	0.032775	21.538	-909.37E-6	-0.15571	1.0081E-6
112.86660	0.00000	21.61000	0.032244	21.538	-864.63E-6	-0.15083	0.0
115.43175	0.00000	21.61000	0.031675	21.538	-818.35E-6	-0.14570	0.0
117.99690	0.00000	21.61000	0.031070	21.538	-771.23E-6	-0.14041	0.0
120.56205	0.00000	21.61000	0.030430	21.538	-723.95E-6	-0.13499	0.0
123.12720	0.00000	21.61000	0.029757	21.538	-677.08E-6	-0.12951	0.0
125.69235	0.00000	21.61000	0.029053	21.538	-631.14E-6	-0.12402	0.0
128.25750	0.00000	21.61000	0.028323	21.538	-586.55E-6	-0.11856	0.0
130.82265	0.00000	21.61000	0.027570	21.538	-543.63E-6	-0.11317	0.0
133.38780	0.00000	21.61000	0.026798	21.538	-502.63E-6	-0.10788	0.0
135.95295	0.00000	21.61000	0.026011	21.538	-463.75E-6	-0.10271	0.0
138.51810	0.00000	21.61000	0.025214	21.538	-427.08E-6	-0.097695	0.0
141.08325	0.00000	21.61000	0.024411	21.538	-392.68E-6	-0.092843	0.0
143.64840	0.00000	21.61000	0.023606	21.538	-360.57E-6	-0.088170	0.0
146.21355	0.00000	21.61000	0.022804	21.538	-330.71E-6	-0.083682	0.0
148.77870	0.00000	21.61000	0.022007	21.538	-303.05E-6	-0.079386	0.0
151.34385	0.00000	21.61000	0.021219	21.538	-277.51E-6	-0.075284	0.0
153.90900	0.00000	21.61000	0.020442	21.538	-253.98E-6	-0.071376	0.0 !
0.00000	2.45990	21.61000	0.020038	21.538	-147.68E-6	-0.055660	0.0
2.56515	2.45990	21.61000	0.020847	21.538	-160.78E-6	-0.058614	0.0
5.13030	2.45990	21.61000	0.021675	21.538	-175.07E-6	-0.061729	0.0
7.69545	2.45990	21.61000	0.022520	21.538	-190.65E-6	-0.065012	0.0
10.26060	2.45990	21.61000	0.023379	21.538	-207.62E-6	-0.068466	0.0
12.82575	2.45990	21.61000	0.024249	21.538	-226.10E-6	-0.072098	0.0
15.39090	2.45990	21.61000	0.025127	21.538	-246.20E-6	-0.075910	0.0
17.95605	2.45990	21.61000	0.026007	21.538	-268.03E-6	-0.079906	0.0
20.52120	2.45990	21.61000	0.026887	21.538	-291.70E-6	-0.084087	0.0
23.08635	2.45990	21.61000	0.027761	21.538	-317.33E-6	-0.088453	0.0
25.65150	2.45990	21.61000	0.028625	21.538	-345.05E-6	-0.093003	0.0
28.21665	2.45990	21.61000	0.029472	21.538	-374.95E-6	-0.097733	0.0
30.78180	2.45990	21.61000	0.030298	21.538	-407.14E-6	-0.10264	0.0
33.34695	2.45990	21.61000	0.031097	21.538	-441.71E-6	-0.10771	0.0
35.91210	2.45990	21.61000	0.031864	21.538	-478.74E-6	-0.11294	0.0
38.47725	2.45990	21.61000	0.032594	21.538	-518.28E-6	-0.11831	0.0
41.04240	2.45990	21.61000	0.033283	21.538	-560.35E-6	-0.12380	0.0
43.60755	2.45990	21.61000	0.033926	21.538	-604.93E-6	-0.12940	0.0

46.17270	2.45990	21.61000	0.034519	21.538	-651.94E-6	-0.13508	0.0
48.73785	2.45990	21.61000	0.035060	21.538	-701.26E-6	-0.14081	0.0
51.30300	2.45990	21.61000	0.035546	21.538	-752.67E-6	-0.14656	0.0
53.86815	2.45990	21.61000	0.035975	21.538	-805.85E-6	-0.15228	0.0
56.43330	2.45990	21.61000	0.036346	21.538	-860.40E-6	-0.15794	1.0250E-6
58.99845	2.45990	21.61000	0.036657	21.538	-915.78E-6	-0.16348	1.0600E-6
61.56360	2.45990	21.61000	0.036909	21.538	-971.35E-6	-0.16886	1.0938E-6
64.12875	2.45990	21.61000	0.037104	21.538	-0.0010264	-0.17400	1.1261E-6
66.69390	2.45990	21.61000	0.037241	21.538	-0.0010799	-0.17886	1.1566E-6
69.25905	2.45990	21.61000	0.037324	21.538	-0.0011311	-0.18336	1.1847E-6
71.82420	2.45990	21.61000	0.037355	21.538	-0.0011790	-0.18744	1.2101E-6
74.38935	2.45990	21.61000	0.037338	21.538	-0.0012224	-0.19103	1.2325E-6
76.95450	2.45990	21.61000	0.037277	21.538	-0.0012605	-0.19407	1.2513E-6
79.51965	2.45990	21.61000	0.037177	21.538	-0.0012923	-0.19649	1.2663E-6
82.08480	2.45990	21.61000	0.037041	21.538	-0.0013169	-0.19826	1.2772E-6
84.64995	2.45990	21.61000	0.036873	21.538	-0.0013338	-0.19933	1.2837E-6
87.21510	2.45990	21.61000	0.036677	21.538	-0.0013424	-0.19966	1.2855E-6
89.78025	2.45990	21.61000	0.036455	21.538	-0.0013425	-0.19924	1.2827E-6
92.34540	2.45990	21.61000	0.036209	21.538	-0.0013340	-0.19807	1.2752E-6
94.91055	2.45990	21.61000	0.035939	21.538	-0.0013171	-0.19616	1.2631E-6
97.47570	2.45990	21.61000	0.035643	21.538	-0.0012921	-0.19353	1.2465E-6
100.04085	2.45990	21.61000	0.035321	21.538	-0.0012597	-0.19023	1.2256E-6
102.60600	2.45990	21.61000	0.034970	21.538	-0.0012206	-0.18631	1.2009E-6
105.17115	2.45990	21.61000	0.034586	21.538	-0.0011757	-0.18183	1.1727E-6
107.73630	2.45990	21.61000	0.034167	21.538	-0.0011260	-0.17687	1.1413E-6
110.30145	2.45990	21.61000	0.033709	21.538	-0.0010726	-0.17149	1.1074E-6
112.86660	2.45990	21.61000	0.033211	21.538	-0.0010165	-0.16577	1.0713E-6
115.43175	2.45990	21.61000	0.032671	21.538	-958.69E-6	-0.15979	1.0335E-6
117.99690	2.45990	21.61000	0.032088	21.538	-900.11E-6	-0.15363	0.0
120.56205	2.45990	21.61000	0.031464	21.538	-841.62E-6	-0.14736	0.0
123.12720	2.45990	21.61000	0.030799	21.538	-783.95E-6	-0.14104	0.0
125.69235	2.45990	21.61000	0.030097	21.538	-727.74E-6	-0.13472	0.0
128.25750	2.45990	21.61000	0.029362	21.538	-673.48E-6	-0.12847	0.0
130.82265	2.45990	21.61000	0.028597	21.538	-621.55E-6	-0.12231	0.0
133.38780	2.45990	21.61000	0.027807	21.538	-572.25E-6	-0.11630	0.0
135.95295	2.45990	21.61000	0.026997	21.538	-525.75E-6	-0.11045	0.0
138.51810	2.45990	21.61000	0.026172	21.538	-482.16E-6	-0.10480	0.0
141.08325	2.45990	21.61000	0.025338	21.538	-441.51E-6	-0.099355	0.0
143.64840	2.45990	21.61000	0.024500	21.538	-403.77E-6	-0.094130	0.0
146.21355	2.45990	21.61000	0.023661	21.538	-368.88E-6	-0.089132	0.0
148.77870	2.45990	21.61000	0.022826	21.538	-336.73E-6	-0.084366	0.0
151.34385	2.45990	21.61000	0.022000	21.538	-307.19E-6	-0.079832	0.0
153.90900	2.45990	21.61000	0.021184	21.538	-280.12E-6	-0.075528	0.0 !
0.00000	4.91980	21.61000	0.020765	21.538	-159.76E-6	-0.058343	0.0
2.56515	4.91980	21.61000	0.021617	21.538	-174.38E-6	-0.061538	0.0
5.13030	4.91980	21.61000	0.022489	21.538	-190.38E-6	-0.064917	0.0
7.69545	4.91980	21.61000	0.023378	21.538	-207.88E-6	-0.068486	0.0
10.26060	4.91980	21.61000	0.024282	21.538	-227.03E-6	-0.072253	0.0

12.82575	4.91980	21.61000	0.025195	21.538	-247.95E-6	-0.076223	0.0
15.39090	4.91980	21.61000	0.026115	21.538	-270.78E-6	-0.080403	0.0
17.95605	4.91980	21.61000	0.027037	21.538	-295.68E-6	-0.084798	0.0
20.52120	4.91980	21.61000	0.027954	21.538	-322.79E-6	-0.089409	0.0
23.08635	4.91980	21.61000	0.028862	21.538	-352.27E-6	-0.094239	0.0
25.65150	4.91980	21.61000	0.029755	21.538	-384.27E-6	-0.099288	0.0
28.21665	4.91980	21.61000	0.030625	21.538	-418.95E-6	-0.10455	0.0
30.78180	4.91980	21.61000	0.031468	21.538	-456.46E-6	-0.11003	0.0
33.34695	4.91980	21.61000	0.032277	21.538	-496.93E-6	-0.11571	0.0
35.91210	4.91980	21.61000	0.033046	21.538	-540.49E-6	-0.12159	0.0
38.47725	4.91980	21.61000	0.033770	21.538	-587.25E-6	-0.12765	0.0
41.04240	4.91980	21.61000	0.034443	21.538	-637.27E-6	-0.13387	0.0
43.60755	4.91980	21.61000	0.035062	21.538	-690.58E-6	-0.14023	0.0
46.17270	4.91980	21.61000	0.035623	21.538	-747.14E-6	-0.14670	0.0
48.73785	4.91980	21.61000	0.036124	21.538	-806.86E-6	-0.15326	0.0
51.30300	4.91980	21.61000	0.036562	21.538	-869.50E-6	-0.15987	1.0376E-6
53.86815	4.91980	21.61000	0.036936	21.538	-934.75E-6	-0.16648	1.0793E-6
56.43330	4.91980	21.61000	0.037247	21.538	-0.0010021	-0.17304	1.1207E-6
58.99845	4.91980	21.61000	0.037494	21.538	-0.0010710	-0.17950	1.1612E-6
61.56360	4.91980	21.61000	0.037679	21.538	-0.0011405	-0.18578	1.2006E-6
64.12875	4.91980	21.61000	0.037803	21.538	-0.0012098	-0.19184	1.2384E-6
66.69390	4.91980	21.61000	0.037870	21.538	-0.0012777	-0.19757	1.2741E-6
69.25905	4.91980	21.61000	0.037883	21.538	-0.0013430	-0.20291	1.3074E-6
71.82420	4.91980	21.61000	0.037848	21.538	-0.0014042	-0.20778	1.3375E-6
74.38935	4.91980	21.61000	0.037770	21.538	-0.0014601	-0.21208	1.3642E-6
76.95450	4.91980	21.61000	0.037655	21.538	-0.0015094	-0.21574	1.3868E-6
79.51965	4.91980	21.61000	0.037509	21.538	-0.0015507	-0.21869	1.4049E-6
82.08480	4.91980	21.61000	0.037339	21.538	-0.0015828	-0.22086	1.4181E-6
84.64995	4.91980	21.61000	0.037151	21.538	-0.0016050	-0.22219	1.4262E-6
87.21510	4.91980	21.61000	0.036948	21.538	-0.0016165	-0.22265	1.4287E-6
89.78025	4.91980	21.61000	0.036733	21.538	-0.0016170	-0.22220	1.4257E-6
92.34540	4.91980	21.61000	0.036509	21.538	-0.0016062	-0.22085	1.4171E-6
94.91055	4.91980	21.61000	0.036274	21.538	-0.0015846	-0.21861	1.4030E-6
97.47570	4.91980	21.61000	0.036026	21.538	-0.0015526	-0.21552	1.3835E-6
100.04085	4.91980	21.61000	0.035762	21.538	-0.0015110	-0.21162	1.3590E-6
102.60600	4.91980	21.61000	0.035475	21.538	-0.0014610	-0.20698	1.3299E-6
105.17115	4.91980	21.61000	0.035160	21.538	-0.0014036	-0.20168	1.2966E-6
107.73630	4.91980	21.61000	0.034812	21.538	-0.0013403	-0.19581	1.2598E-6
110.30145	4.91980	21.61000	0.034423	21.538	-0.0012725	-0.18947	1.2200E-6
112.86660	4.91980	21.61000	0.033990	21.538	-0.0012015	-0.18274	1.1777E-6
115.43175	4.91980	21.61000	0.033508	21.538	-0.0011287	-0.17574	1.1337E-6
117.99690	4.91980	21.61000	0.032975	21.538	-0.0010554	-0.16854	1.0883E-6
120.56205	4.91980	21.61000	0.032392	21.538	-982.59E-6	-0.16124	1.0423E-6
123.12720	4.91980	21.61000	0.031758	21.538	-911.22E-6	-0.15391	0.0
125.69235	4.91980	21.61000	0.031077	21.538	-842.07E-6	-0.14662	0.0
128.25750	4.91980	21.61000	0.030352	21.538	-775.73E-6	-0.13943	0.0
130.82265	4.91980	21.61000	0.029589	21.538	-712.65E-6	-0.13239	0.0
133.38780	4.91980	21.61000	0.028792	21.538	-653.13E-6	-0.12554	0.0

135.95295	4.91980	21.61000	0.027968	21.538	-597.34E-6	-0.11892	0.0
138.51810	4.91980	21.61000	0.027123	21.538	-545.37E-6	-0.11253	0.0
141.08325	4.91980	21.61000	0.026263	21.538	-497.21E-6	-0.10641	0.0
143.64840	4.91980	21.61000	0.025395	21.538	-452.76E-6	-0.10056	0.0
146.21355	4.91980	21.61000	0.024523	21.538	-411.91E-6	-0.094989	0.0
148.77870	4.91980	21.61000	0.023652	21.538	-374.48E-6	-0.089697	0.0
151.34385	4.91980	21.61000	0.022789	21.538	-340.29E-6	-0.084682	0.0
153.90900	4.91980	21.61000	0.021935	21.538	-309.13E-6	-0.079940	0.0 !
0.00000	7.37970	21.61000	0.021502	21.538	-172.86E-6	-0.061156	0.0
2.56515	7.37970	21.61000	0.022398	21.538	-189.17E-6	-0.064612	0.0
5.13030	7.37970	21.61000	0.023315	21.538	-207.10E-6	-0.068277	0.0
7.69545	7.37970	21.61000	0.024248	21.538	-226.78E-6	-0.072159	0.0
10.26060	7.37970	21.61000	0.025195	21.538	-248.38E-6	-0.076268	0.0
12.82575	7.37970	21.61000	0.026151	21.538	-272.07E-6	-0.080611	0.0
15.39090	7.37970	21.61000	0.027111	21.538	-298.04E-6	-0.085198	0.0
17.95605	7.37970	21.61000	0.028070	21.538	-326.46E-6	-0.090033	0.0
20.52120	7.37970	21.61000	0.029019	21.538	-357.54E-6	-0.095124	0.0
23.08635	7.37970	21.61000	0.029954	21.538	-391.47E-6	-0.10047	0.0
25.65150	7.37970	21.61000	0.030867	21.538	-428.47E-6	-0.10608	0.0
28.21665	7.37970	21.61000	0.031749	21.538	-468.75E-6	-0.11195	0.0
30.78180	7.37970	21.61000	0.032595	21.538	-512.51E-6	-0.11807	0.0
33.34695	7.37970	21.61000	0.033397	21.538	-559.95E-6	-0.12445	0.0
35.91210	7.37970	21.61000	0.034147	21.538	-611.28E-6	-0.13106	0.0
38.47725	7.37970	21.61000	0.034841	21.538	-666.67E-6	-0.13791	0.0
41.04240	7.37970	21.61000	0.035473	21.538	-726.26E-6	-0.14496	0.0
43.60755	7.37970	21.61000	0.036039	21.538	-790.15E-6	-0.15220	0.0
46.17270	7.37970	21.61000	0.036536	21.538	-858.40E-6	-0.15960	1.0363E-6
48.73785	7.37970	21.61000	0.036962	21.538	-930.93E-6	-0.16713	1.0839E-6
51.30300	7.37970	21.61000	0.037316	21.538	-0.0010076	-0.17475	1.1319E-6
53.86815	7.37970	21.61000	0.037599	21.538	-0.0010880	-0.18240	1.1800E-6
56.43330	7.37970	21.61000	0.037812	21.538	-0.0011717	-0.19003	1.2278E-6
58.99845	7.37970	21.61000	0.037956	21.538	-0.0012578	-0.19758	1.2750E-6
61.56360	7.37970	21.61000	0.038034	21.538	-0.0013455	-0.20497	1.3211E-6
64.12875	7.37970	21.61000	0.038051	21.538	-0.0014334	-0.21212	1.3655E-6
66.69390	7.37970	21.61000	0.038011	21.538	-0.0015201	-0.21893	1.4077E-6
69.25905	7.37970	21.61000	0.037922	21.538	-0.0016040	-0.22530	1.4471E-6
71.82420	7.37970	21.61000	0.037789	21.538	-0.0016833	-0.23114	1.4831E-6
74.38935	7.37970	21.61000	0.037622	21.538	-0.0017559	-0.23634	1.5150E-6
76.95450	7.37970	21.61000	0.037430	21.538	-0.0018203	-0.24079	1.5423E-6
79.51965	7.37970	21.61000	0.037222	21.538	-0.0018744	-0.24439	1.5643E-6
82.08480	7.37970	21.61000	0.037006	21.538	-0.0019169	-0.24707	1.5805E-6
84.64995	7.37970	21.61000	0.036792	21.538	-0.0019463	-0.24875	1.5906E-6
87.21510	7.37970	21.61000	0.036585	21.538	-0.0019618	-0.24937	1.5942E-6
89.78025	7.37970	21.61000	0.036390	21.538	-0.0019628	-0.24891	1.5910E-6
92.34540	7.37970	21.61000	0.036206	21.538	-0.0019492	-0.24735	1.5811E-6
94.91055	7.37970	21.61000	0.036034	21.538	-0.0019213	-0.24471	1.5645E-6
97.47570	7.37970	21.61000	0.035867	21.538	-0.0018799	-0.24104	1.5416E-6
100.04085	7.37970	21.61000	0.035699	21.538	-0.0018260	-0.23640	1.5126E-6

102.60600	7.37970	21.61000	0.035521	21.538	-0.0017612	-0.23087	1.4781E-6
105.17115	7.37970	21.61000	0.035322	21.538	-0.0016872	-0.22456	1.4387E-6
107.73630	7.37970	21.61000	0.035091	21.538	-0.0016058	-0.21758	1.3952E-6
110.30145	7.37970	21.61000	0.034818	21.538	-0.0015189	-0.21005	1.3482E-6
112.86660	7.37970	21.61000	0.034495	21.538	-0.0014284	-0.20210	1.2985E-6
115.43175	7.37970	21.61000	0.034114	21.538	-0.0013361	-0.19384	1.2468E-6
117.99690	7.37970	21.61000	0.033671	21.538	-0.0012436	-0.18540	1.1938E-6
120.56205	7.37970	21.61000	0.033163	21.538	-0.0011523	-0.17686	1.1402E-6
123.12720	7.37970	21.61000	0.032591	21.538	-0.0010634	-0.16833	1.0866E-6
125.69235	7.37970	21.61000	0.031958	21.538	-977.90E-6	-0.15989	1.0334E-6
128.25750	7.37970	21.61000	0.031267	21.538	-896.39E-6	-0.15160	0.0
130.82265	7.37970	21.61000	0.030524	21.538	-819.42E-6	-0.14352	0.0
133.38780	7.37970	21.61000	0.029736	21.538	-747.29E-6	-0.13570	0.0
135.95295	7.37970	21.61000	0.028910	21.538	-680.15E-6	-0.12817	0.0
138.51810	7.37970	21.61000	0.028055	21.538	-618.01E-6	-0.12095	0.0
141.08325	7.37970	21.61000	0.027177	21.538	-560.80E-6	-0.11406	0.0
143.64840	7.37970	21.61000	0.026284	21.538	-508.35E-6	-0.10750	0.0
146.21355	7.37970	21.61000	0.025383	21.538	-460.44E-6	-0.10128	0.0
148.77870	7.37970	21.61000	0.024480	21.538	-416.81E-6	-0.095401	0.0
151.34385	7.37970	21.61000	0.023581	21.538	-377.19E-6	-0.089851	0.0
153.90900	7.37970	21.61000	0.022691	21.538	-341.29E-6	-0.084622	0.0 !
0.00000	9.83960	21.61000	0.022250	21.538	-187.06E-6	-0.064102	0.0
2.56515	9.83960	21.61000	0.023189	21.538	-205.27E-6	-0.067842	0.0
5.13030	9.83960	21.61000	0.024150	21.538	-225.35E-6	-0.071818	0.0
7.69545	9.83960	21.61000	0.025127	21.538	-247.49E-6	-0.076041	0.0
10.26060	9.83960	21.61000	0.026115	21.538	-271.87E-6	-0.080524	0.0
12.82575	9.83960	21.61000	0.027111	21.538	-298.73E-6	-0.085278	0.0
15.39090	9.83960	21.61000	0.028107	21.538	-328.27E-6	-0.090313	0.0
17.95605	9.83960	21.61000	0.029096	21.538	-360.75E-6	-0.095638	0.0
20.52120	9.83960	21.61000	0.030071	21.538	-396.41E-6	-0.10126	0.0
23.08635	9.83960	21.61000	0.031022	21.538	-435.52E-6	-0.10719	0.0
25.65150	9.83960	21.61000	0.031941	21.538	-478.34E-6	-0.11343	0.0
28.21665	9.83960	21.61000	0.032820	21.538	-525.16E-6	-0.11997	0.0
30.78180	9.83960	21.61000	0.033648	21.538	-576.27E-6	-0.12683	0.0
33.34695	9.83960	21.61000	0.034418	21.538	-631.96E-6	-0.13399	0.0
35.91210	9.83960	21.61000	0.035122	21.538	-692.51E-6	-0.14145	0.0
38.47725	9.83960	21.61000	0.035753	21.538	-758.21E-6	-0.14919	0.0
41.04240	9.83960	21.61000	0.036306	21.538	-829.32E-6	-0.15721	1.0214E-6
43.60755	9.83960	21.61000	0.036777	21.538	-906.06E-6	-0.16546	1.0737E-6
46.17270	9.83960	21.61000	0.037165	21.538	-988.59E-6	-0.17394	1.1272E-6
48.73785	9.83960	21.61000	0.037468	21.538	-0.0010770	-0.18260	1.1818E-6
51.30300	9.83960	21.61000	0.037688	21.538	-0.0011711	-0.19140	1.2370E-6
53.86815	9.83960	21.61000	0.037827	21.538	-0.0012707	-0.20029	1.2927E-6
56.43330	9.83960	21.61000	0.037888	21.538	-0.0013751	-0.20920	1.3482E-6
58.99845	9.83960	21.61000	0.037875	21.538	-0.0014836	-0.21806	1.4033E-6
61.56360	9.83960	21.61000	0.037795	21.538	-0.0015949	-0.22678	1.4574E-6
64.12875	9.83960	21.61000	0.037652	21.538	-0.0017074	-0.23526	1.5097E-6
66.69390	9.83960	21.61000	0.037456	21.538	-0.0018192	-0.24339	1.5598E-6

69.25905	9.83960	21.61000	0.037215	21.538	-0.0019281	-0.25105	1.6068E-6
71.82420	9.83960	21.61000	0.036942	21.538	-0.0020316	-0.25810	1.6499E-6
74.38935	9.83960	21.61000	0.036647	21.538	-0.0021271	-0.26442	1.6885E-6
76.95450	9.83960	21.61000	0.036345	21.538	-0.0022121	-0.26987	1.7216E-6
79.51965	9.83960	21.61000	0.036049	21.538	-0.0022839	-0.27432	1.7486E-6
82.08480	9.83960	21.61000	0.035773	21.538	-0.0023406	-0.27766	1.7687E-6
84.64995	9.83960	21.61000	0.035527	21.538	-0.0023801	-0.27980	1.7815E-6
87.21510	9.83960	21.61000	0.035322	21.538	-0.0024013	-0.28065	1.7863E-6
89.78025	9.83960	21.61000	0.035162	21.538	-0.0024032	-0.28018	1.7831E-6
92.34540	9.83960	21.61000	0.035048	21.538	-0.0023857	-0.27837	1.7717E-6
94.91055	9.83960	21.61000	0.034976	21.538	-0.0023494	-0.27525	1.7522E-6
97.47570	9.83960	21.61000	0.034939	21.538	-0.0022951	-0.27086	1.7249E-6
100.04085	9.83960	21.61000	0.034925	21.538	-0.0022246	-0.26529	1.6904E-6
102.60600	9.83960	21.61000	0.034917	21.538	-0.0021398	-0.25865	1.6493E-6
105.17115	9.83960	21.61000	0.034900	21.538	-0.0020432	-0.25109	1.6024E-6
107.73630	9.83960	21.61000	0.034854	21.538	-0.0019374	-0.24273	1.5506E-6
110.30145	9.83960	21.61000	0.034764	21.538	-0.0018249	-0.23374	1.4948E-6
112.86660	9.83960	21.61000	0.034615	21.538	-0.0017085	-0.22428	1.4360E-6
115.43175	9.83960	21.61000	0.034395	21.538	-0.0015904	-0.21449	1.3751E-6
117.99690	9.83960	21.61000	0.034096	21.538	-0.0014729	-0.20452	1.3129E-6
120.56205	9.83960	21.61000	0.033714	21.538	-0.0013577	-0.19449	1.2503E-6
123.12720	9.83960	21.61000	0.033247	21.538	-0.0012463	-0.18452	1.1879E-6
125.69235	9.83960	21.61000	0.032698	21.538	-0.0011399	-0.17470	1.1263E-6
128.25750	9.83960	21.61000	0.032071	21.538	-0.0010393	-0.16512	1.0660E-6
130.82265	9.83960	21.61000	0.031375	21.538	-944.92E-6	-0.15582	1.0074E-6
133.38780	9.83960	21.61000	0.030617	21.538	-857.16E-6	-0.14687	0.0
135.95295	9.83960	21.61000	0.029807	21.538	-776.08E-6	-0.13829	0.0
138.51810	9.83960	21.61000	0.028954	21.538	-701.58E-6	-0.13011	0.0
141.08325	9.83960	21.61000	0.028068	21.538	-633.47E-6	-0.12234	0.0
143.64840	9.83960	21.61000	0.027159	21.538	-571.45E-6	-0.11498	0.0
146.21355	9.83960	21.61000	0.026235	21.538	-515.18E-6	-0.10804	0.0
148.77870	9.83960	21.61000	0.025304	21.538	-464.26E-6	-0.10150	0.0
151.34385	9.83960	21.61000	0.024373	21.538	-418.31E-6	-0.095352	0.0
153.90900	9.83960	21.61000	0.023449	21.538	-376.92E-6	-0.089587	0.0 !
0.00000	12.29950	21.61000	0.023004	21.538	-202.44E-6	-0.067186	0.0
2.56515	12.29950	21.61000	0.023987	21.538	-222.77E-6	-0.071232	0.0
5.13030	12.29950	21.61000	0.024990	21.538	-245.28E-6	-0.075545	0.0
7.69545	12.29950	21.61000	0.026008	21.538	-270.19E-6	-0.080141	0.0
10.26060	12.29950	21.61000	0.027036	21.538	-297.73E-6	-0.085034	0.0
12.82575	12.29950	21.61000	0.028067	21.538	-328.19E-6	-0.090239	0.0
15.39090	12.29950	21.61000	0.029093	21.538	-361.83E-6	-0.095769	0.0
17.95605	12.29950	21.61000	0.030105	21.538	-398.97E-6	-0.10164	0.0
20.52120	12.29950	21.61000	0.031093	21.538	-439.93E-6	-0.10785	0.0
23.08635	12.29950	21.61000	0.032047	21.538	-485.03E-6	-0.11443	0.0
25.65150	12.29950	21.61000	0.032955	21.538	-534.65E-6	-0.12137	0.0
28.21665	12.29950	21.61000	0.033806	21.538	-589.14E-6	-0.12869	0.0
30.78180	12.29950	21.61000	0.034590	21.538	-648.89E-6	-0.13637	0.0
33.34695	12.29950	21.61000	0.035294	21.538	-714.31E-6	-0.14443	0.0

35.91210	12.29950	21.61000	0.035911	21.538	-785.80E-6	-0.15285	0.0
38.47725	12.29950	21.61000	0.036433	21.538	-863.81E-6	-0.16163	1.0496E-6
41.04240	12.29950	21.61000	0.036855	21.538	-948.75E-6	-0.17074	1.1074E-6
43.60755	12.29950	21.61000	0.037173	21.538	-0.0010410	-0.18017	1.1670E-6
46.17270	12.29950	21.61000	0.037388	21.538	-0.0011410	-0.18990	1.2282E-6
48.73785	12.29950	21.61000	0.037501	21.538	-0.0012490	-0.19988	1.2908E-6
51.30300	12.29950	21.61000	0.037515	21.538	-0.0013649	-0.21008	1.3546E-6
53.86815	12.29950	21.61000	0.037436	21.538	-0.0014887	-0.22043	1.4190E-6
56.43330	12.29950	21.61000	0.037271	21.538	-0.0016199	-0.23087	1.4838E-6
58.99845	12.29950	21.61000	0.037027	21.538	-0.0017574	-0.24131	1.5483E-6
61.56360	12.29950	21.61000	0.036713	21.538	-0.0018998	-0.25165	1.6120E-6
64.12875	12.29950	21.61000	0.036339	21.538	-0.0020451	-0.26177	1.6740E-6
66.69390	12.29950	21.61000	0.035916	21.538	-0.0021906	-0.27154	1.7337E-6
69.25905	12.29950	21.61000	0.035459	21.538	-0.0023335	-0.28079	1.7900E-6
71.82420	12.29950	21.61000	0.034983	21.538	-0.0024702	-0.28938	1.8421E-6
74.38935	12.29950	21.61000	0.034507	21.538	-0.0025972	-0.29712	1.8889E-6
76.95450	12.29950	21.61000	0.034049	21.538	-0.0027107	-0.30385	1.9295E-6
79.51965	12.29950	21.61000	0.033631	21.538	-0.0028073	-0.30939	1.9628E-6
82.08480	12.29950	21.61000	0.033270	21.538	-0.0028838	-0.31360	1.9879E-6
84.64995	12.29950	21.61000	0.032985	21.538	-0.0029376	-0.31634	2.0042E-6
87.21510	12.29950	21.61000	0.032788	21.538	-0.0029668	-0.31751	2.0109E-6
89.78025	12.29950	21.61000	0.032686	21.538	-0.0029702	-0.31706	2.0077E-6
92.34540	12.29950	21.61000	0.032682	21.538	-0.0029476	-0.31495	1.9945E-6
94.91055	12.29950	21.61000	0.032768	21.538	-0.0028996	-0.31122	1.9714E-6
97.47570	12.29950	21.61000	0.032931	21.538	-0.0028277	-0.30594	1.9388E-6
100.04085	12.29950	21.61000	0.033152	21.538	-0.0027342	-0.29921	1.8975E-6
102.60600	12.29950	21.61000	0.033405	21.538	-0.0026219	-0.29118	1.8481E-6
105.17115	12.29950	21.61000	0.033664	21.538	-0.0024945	-0.28203	1.7918E-6
107.73630	12.29950	21.61000	0.033901	21.538	-0.0023554	-0.27195	1.7298E-6
110.30145	12.29950	21.61000	0.034089	21.538	-0.0022084	-0.26114	1.6632E-6
112.86660	12.29950	21.61000	0.034205	21.538	-0.0020570	-0.24980	1.5932E-6
115.43175	12.29950	21.61000	0.034230	21.538	-0.0019047	-0.23812	1.5210E-6
117.99690	12.29950	21.61000	0.034152	21.538	-0.0017540	-0.22629	1.4476E-6
120.56205	12.29950	21.61000	0.033962	21.538	-0.0016076	-0.21445	1.3741E-6
123.12720	12.29950	21.61000	0.033658	21.538	-0.0014670	-0.20275	1.3013E-6
125.69235	12.29950	21.61000	0.033244	21.538	-0.0013339	-0.19129	1.2297E-6
128.25750	12.29950	21.61000	0.032724	21.538	-0.0012089	-0.18016	1.1601E-6
130.82265	12.29950	21.61000	0.032109	21.538	-0.0010928	-0.16943	1.0928E-6
133.38780	12.29950	21.61000	0.031409	21.538	-985.62E-6	-0.15916	1.0282E-6
135.95295	12.29950	21.61000	0.030636	21.538	-887.38E-6	-0.14937	0.0
138.51810	12.29950	21.61000	0.029804	21.538	-797.81E-6	-0.14008	0.0
141.08325	12.29950	21.61000	0.028925	21.538	-716.54E-6	-0.13131	0.0
143.64840	12.29950	21.61000	0.028010	21.538	-643.08E-6	-0.12305	0.0
146.21355	12.29950	21.61000	0.027071	21.538	-576.89E-6	-0.11528	0.0
148.77870	12.29950	21.61000	0.026118	21.538	-517.42E-6	-0.10801	0.0
151.34385	12.29950	21.61000	0.025159	21.538	-464.09E-6	-0.10120	0.0
153.90900	12.29950	21.61000	0.024203	21.538	-416.34E-6	-0.094844	0.0 !
0.00000	14.75940	21.61000	0.023761	21.538	-219.09E-6	-0.070410	0.0

2.56515	14.75940	21.61000	0.024786	21.538	-241.80E-6	-0.074786	0.0
5.13030	14.75940	21.61000	0.025830	21.538	-267.03E-6	-0.079467	0.0
7.69545	14.75940	21.61000	0.026887	21.538	-295.06E-6	-0.084468	0.0
10.26060	14.75940	21.61000	0.027950	21.538	-326.19E-6	-0.089810	0.0
12.82575	14.75940	21.61000	0.029010	21.538	-360.75E-6	-0.095510	0.0
15.39090	14.75940	21.61000	0.030058	21.538	-399.10E-6	-0.10159	0.0
17.95605	14.75940	21.61000	0.031082	21.538	-441.61E-6	-0.10806	0.0
20.52120	14.75940	21.61000	0.032069	21.538	-488.68E-6	-0.11494	0.0
23.08635	14.75940	21.61000	0.033006	21.538	-540.76E-6	-0.12224	0.0
25.65150	14.75940	21.61000	0.033878	21.538	-598.29E-6	-0.12997	0.0
28.21665	14.75940	21.61000	0.034671	21.538	-661.75E-6	-0.13815	0.0
30.78180	14.75940	21.61000	0.035371	21.538	-731.65E-6	-0.14678	0.0
33.34695	14.75940	21.61000	0.035964	21.538	-808.54E-6	-0.15585	1.0131E-6
35.91210	14.75940	21.61000	0.036439	21.538	-892.99E-6	-0.16537	1.0736E-6
38.47725	14.75940	21.61000	0.036787	21.538	-985.63E-6	-0.17533	1.1367E-6
41.04240	14.75940	21.61000	0.037004	21.538	-0.0010871	-0.18572	1.2023E-6
43.60755	14.75940	21.61000	0.037087	21.538	-0.0011981	-0.19651	1.2703E-6
46.17270	14.75940	21.61000	0.037039	21.538	-0.0013194	-0.20769	1.3404E-6
48.73785	14.75940	21.61000	0.036865	21.538	-0.0014514	-0.21922	1.4124E-6
51.30300	14.75940	21.61000	0.036574	21.538	-0.0015947	-0.23107	1.4861E-6
53.86815	14.75940	21.61000	0.036175	21.538	-0.0017492	-0.24316	1.5610E-6
56.43330	14.75940	21.61000	0.035679	21.538	-0.0019148	-0.25543	1.6367E-6
58.99845	14.75940	21.61000	0.035100	21.538	-0.0020903	-0.26778	1.7125E-6
61.56360	14.75940	21.61000	0.034451	21.538	-0.0022740	-0.28010	1.7878E-6
64.12875	14.75940	21.61000	0.033745	21.538	-0.0024633	-0.29224	1.8616E-6
66.69390	14.75940	21.61000	0.033000	21.538	-0.0026549	-0.30404	1.9331E-6
69.25905	14.75940	21.61000	0.032235	21.538	-0.0028445	-0.31531	2.0010E-6
71.82420	14.75940	21.61000	0.031472	21.538	-0.0030274	-0.32584	2.0643E-6
74.38935	14.75940	21.61000	0.030738	21.538	-0.0031984	-0.33541	2.1216E-6
76.95450	14.75940	21.61000	0.030059	21.538	-0.0033522	-0.34379	2.1717E-6
79.51965	14.75940	21.61000	0.029467	21.538	-0.0034838	-0.35076	2.2131E-6
82.08480	14.75940	21.61000	0.028989	21.538	-0.0035886	-0.35611	2.2448E-6
84.64995	14.75940	21.61000	0.028650	21.538	-0.0036629	-0.35967	2.2657E-6
87.21510	14.75940	21.61000	0.028471	21.538	-0.0037037	-0.36129	2.2750E-6
89.78025	14.75940	21.61000	0.028463	21.538	-0.0037095	-0.36089	2.2721E-6
92.34540	14.75940	21.61000	0.028626	21.538	-0.0036799	-0.35844	2.2568E-6
94.91055	14.75940	21.61000	0.028950	21.538	-0.0036157	-0.35396	2.2293E-6
97.47570	14.75940	21.61000	0.029414	21.538	-0.0035191	-0.34754	2.1901E-6
100.04085	14.75940	21.61000	0.029987	21.538	-0.0033934	-0.33933	2.1401E-6
102.60600	14.75940	21.61000	0.030632	21.538	-0.0032429	-0.32953	2.0804E-6
105.17115	14.75940	21.61000	0.031304	21.538	-0.0030725	-0.31837	2.0124E-6
107.73630	14.75940	21.61000	0.031961	21.538	-0.0028874	-0.30610	1.9375E-6
110.30145	14.75940	21.61000	0.032562	21.538	-0.0026931	-0.29299	1.8574E-6
112.86660	14.75940	21.61000	0.033071	21.538	-0.0024943	-0.27931	1.7736E-6
115.43175	14.75940	21.61000	0.033459	21.538	-0.0022957	-0.26529	1.6875E-6
117.99690	14.75940	21.61000	0.033707	21.538	-0.0021010	-0.25116	1.6006E-6
120.56205	14.75940	21.61000	0.033803	21.538	-0.0019132	-0.23712	1.5139E-6
123.12720	14.75940	21.61000	0.033743	21.538	-0.0017347	-0.22331	1.4285E-6

125.69235	14.75940	21.61000	0.033530	21.538	-0.0015670	-0.20988	1.3451E-6
128.25750	14.75940	21.61000	0.033173	21.538	-0.0014111	-0.19692	1.2644E-6
130.82265	14.75940	21.61000	0.032685	21.538	-0.0012675	-0.18451	1.1869E-6
133.38780	14.75940	21.61000	0.032080	21.538	-0.0011361	-0.17269	1.1129E-6
135.95295	14.75940	21.61000	0.031375	21.538	-0.0010167	-0.16150	1.0426E-6
138.51810	14.75940	21.61000	0.030587	21.538	-908.71E-6	-0.15094	0.0
141.08325	14.75940	21.61000	0.029731	21.538	-811.54E-6	-0.14102	0.0
143.64840	14.75940	21.61000	0.028825	21.538	-724.39E-6	-0.13173	0.0
146.21355	14.75940	21.61000	0.027881	21.538	-646.45E-6	-0.12305	0.0
148.77870	14.75940	21.61000	0.026914	21.538	-576.91E-6	-0.11495	0.0
151.34385	14.75940	21.61000	0.025933	21.538	-514.98E-6	-0.10741	0.0
153.90900	14.75940	21.61000	0.024950	21.538	-459.91E-6	-0.10040	0.0 !
0.00000	17.21930	21.61000	0.024518	21.538	-237.11E-6	-0.073775	0.0
2.56515	17.21930	21.61000	0.025584	21.538	-262.47E-6	-0.078509	0.0
5.13030	17.21930	21.61000	0.026667	21.538	-290.76E-6	-0.083587	0.0
7.69545	17.21930	21.61000	0.027758	21.538	-322.32E-6	-0.089030	0.0
10.26060	17.21930	21.61000	0.028850	21.538	-357.52E-6	-0.094863	0.0
12.82575	17.21930	21.61000	0.029932	21.538	-396.76E-6	-0.10111	0.0
15.39090	17.21930	21.61000	0.030990	21.538	-440.49E-6	-0.10779	0.0
17.95605	17.21930	21.61000	0.032011	21.538	-489.18E-6	-0.11493	0.0
20.52120	17.21930	21.61000	0.032977	21.538	-543.34E-6	-0.12254	0.0
23.08635	17.21930	21.61000	0.033872	21.538	-603.52E-6	-0.13066	0.0
25.65150	17.21930	21.61000	0.034675	21.538	-670.28E-6	-0.13929	0.0
28.21665	17.21930	21.61000	0.035368	21.538	-744.25E-6	-0.14844	0.0
30.78180	17.21930	21.61000	0.035932	21.538	-826.07E-6	-0.15813	1.0277E-6
33.34695	17.21930	21.61000	0.036349	21.538	-916.44E-6	-0.16837	1.0928E-6
35.91210	17.21930	21.61000	0.036605	21.538	-0.0010162	-0.17915	1.1611E-6
38.47725	17.21930	21.61000	0.036690	21.538	-0.0011261	-0.19046	1.2326E-6
41.04240	17.21930	21.61000	0.036599	21.538	-0.0012472	-0.20231	1.3072E-6
43.60755	17.21930	21.61000	0.036332	21.538	-0.0013806	-0.21468	1.3848E-6
46.17270	17.21930	21.61000	0.035895	21.538	-0.0015275	-0.22755	1.4652E-6
48.73785	17.21930	21.61000	0.035301	21.538	-0.0016890	-0.24089	1.5483E-6
51.30300	17.21930	21.61000	0.034563	21.538	-0.0018662	-0.25467	1.6336E-6
53.86815	17.21930	21.61000	0.033700	21.538	-0.0020598	-0.26883	1.7208E-6
56.43330	17.21930	21.61000	0.032730	21.538	-0.0022698	-0.28330	1.8094E-6
58.99845	17.21930	21.61000	0.031672	21.538	-0.0024953	-0.29797	1.8988E-6
61.56360	17.21930	21.61000	0.030545	21.538	-0.0027343	-0.31272	1.9881E-6
64.12875	17.21930	21.61000	0.029371	21.538	-0.0029837	-0.32737	2.0764E-6
66.69390	17.21930	21.61000	0.028170	21.538	-0.0032388	-0.34173	2.1624E-6
69.25905	17.21930	21.61000	0.026970	21.538	-0.0034937	-0.35555	2.2449E-6
71.82420	17.21930	21.61000	0.025802	21.538	-0.0037418	-0.36858	2.3223E-6
74.38935	17.21930	21.61000	0.024701	21.538	-0.0039755	-0.38051	2.3930E-6
76.95450	17.21930	21.61000	0.023710	21.538	-0.0041870	-0.39106	2.4552E-6
79.51965	17.21930	21.61000	0.022870	21.538	-0.0043691	-0.39992	2.5073E-6
82.08480	17.21930	21.61000	0.022225	21.538	-0.0045150	-0.40681	2.5477E-6
84.64995	17.21930	21.61000	0.021813	21.538	-0.0046190	-0.41148	2.5749E-6
87.21510	17.21930	21.61000	0.021664	21.538	-0.0046772	-0.41374	2.5877E-6
89.78025	17.21930	21.61000	0.021795	21.538	-0.0046869	-0.41347	2.5854E-6

92.34540	17.21930	21.61000	0.022208	21.538	-0.0046476	-0.41060	2.5678E-6
94.91055	17.21930	21.61000	0.022886	21.538	-0.0045605	-0.40516	2.5348E-6
97.47570	17.21930	21.61000	0.023798	21.538	-0.0044288	-0.39729	2.4873E-6
100.04085	17.21930	21.61000	0.024895	21.538	-0.0042574	-0.38718	2.4264E-6
102.60600	17.21930	21.61000	0.026117	21.538	-0.0040525	-0.37510	2.3535E-6
105.17115	17.21930	21.61000	0.027400	21.538	-0.0038215	-0.36135	2.2706E-6
107.73630	17.21930	21.61000	0.028675	21.538	-0.0035721	-0.34629	2.1796E-6
110.30145	17.21930	21.61000	0.029880	21.538	-0.0033118	-0.33027	2.0826E-6
112.86660	17.21930	21.61000	0.030962	21.538	-0.0030477	-0.31362	1.9815E-6
115.43175	17.21930	21.61000	0.031877	21.538	-0.0027861	-0.29667	1.8783E-6
117.99690	17.21930	21.61000	0.032598	21.538	-0.0025319	-0.27970	1.7747E-6
120.56205	17.21930	21.61000	0.033106	21.538	-0.0022892	-0.26293	1.6720E-6
123.12720	17.21930	21.61000	0.033397	21.538	-0.0020608	-0.24657	1.5714E-6
125.69235	17.21930	21.61000	0.033477	21.538	-0.0018483	-0.23077	1.4739E-6
128.25750	17.21930	21.61000	0.033358	21.538	-0.0016527	-0.21562	1.3802E-6
130.82265	17.21930	21.61000	0.033056	21.538	-0.0014743	-0.20121	1.2907E-6
133.38780	17.21930	21.61000	0.032594	21.538	-0.0013126	-0.18759	1.2058E-6
135.95295	17.21930	21.61000	0.031995	21.538	-0.0011670	-0.17477	1.1256E-6
138.51810	17.21930	21.61000	0.031280	21.538	-0.0010366	-0.16275	1.0502E-6
141.08325	17.21930	21.61000	0.030471	21.538	-920.16E-6	-0.15153	0.0
143.64840	17.21930	21.61000	0.029591	21.538	-816.62E-6	-0.14107	0.0
146.21355	17.21930	21.61000	0.028656	21.538	-724.76E-6	-0.13136	0.0
148.77870	17.21930	21.61000	0.027684	21.538	-643.42E-6	-0.12234	0.0
151.34385	17.21930	21.61000	0.026689	21.538	-571.49E-6	-0.11399	0.0
153.90900	17.21930	21.61000	0.025683	21.538	-507.96E-6	-0.10626	0.0 !
0.00000	19.67920	21.61000	0.025272	21.538	-256.58E-6	-0.077284	0.0
2.56515	19.67920	21.61000	0.026376	21.538	-284.91E-6	-0.082403	0.0
5.13030	19.67920	21.61000	0.027493	21.538	-316.64E-6	-0.087911	0.0
7.69545	19.67920	21.61000	0.028614	21.538	-352.18E-6	-0.093835	0.0
10.26060	19.67920	21.61000	0.029728	21.538	-391.99E-6	-0.10020	0.0
12.82575	19.67920	21.61000	0.030821	21.538	-436.58E-6	-0.10705	0.0
15.39090	19.67920	21.61000	0.031876	21.538	-486.49E-6	-0.11440	0.0
17.95605	19.67920	21.61000	0.032874	21.538	-542.31E-6	-0.12228	0.0
20.52120	19.67920	21.61000	0.033794	21.538	-604.69E-6	-0.13072	0.0
23.08635	19.67920	21.61000	0.034612	21.538	-674.29E-6	-0.13974	0.0
25.65150	19.67920	21.61000	0.035302	21.538	-751.84E-6	-0.14938	0.0
28.21665	19.67920	21.61000	0.035839	21.538	-838.09E-6	-0.15964	1.0373E-6
30.78180	19.67920	21.61000	0.036197	21.538	-933.86E-6	-0.17054	1.1066E-6
33.34695	19.67920	21.61000	0.036351	21.538	-0.0010400	-0.18210	1.1799E-6
35.91210	19.67920	21.61000	0.036284	21.538	-0.0011576	-0.19431	1.2571E-6
38.47725	19.67920	21.61000	0.035981	21.538	-0.0012877	-0.20718	1.3382E-6
41.04240	19.67920	21.61000	0.035438	21.538	-0.0014318	-0.22072	1.4232E-6
43.60755	19.67920	21.61000	0.034659	21.538	-0.0015916	-0.23490	1.5120E-6
46.17270	19.67920	21.61000	0.033657	21.538	-0.0017689	-0.24973	1.6043E-6
48.73785	19.67920	21.61000	0.032451	21.538	-0.0019661	-0.26519	1.7001E-6
51.30300	19.67920	21.61000	0.031070	21.538	-0.0021852	-0.28125	1.7990E-6
53.86815	19.67920	21.61000	0.029541	21.538	-0.0024280	-0.29787	1.9008E-6
56.43330	19.67920	21.61000	0.027894	21.538	-0.0026954	-0.31498	2.0048E-6

58.99845	19.67920	21.61000	0.026158	21.538	-0.0029871	-0.33248	2.1105E-6
61.56360	19.67920	21.61000	0.024359	21.538	-0.0033011	-0.35022	2.2169E-6
64.12875	19.67920	21.61000	0.022526	21.538	-0.0036332	-0.36801	2.3228E-6
66.69390	19.67920	21.61000	0.020686	21.538	-0.0039773	-0.38560	2.4270E-6
69.25905	19.67920	21.61000	0.018875	21.538	-0.0043253	-0.40269	2.5277E-6
71.82420	19.67920	21.61000	0.017134	21.538	-0.0046670	-0.41895	2.6230E-6
74.38935	19.67920	21.61000	0.015516	21.538	-0.0049916	-0.43400	2.7109E-6
76.95450	19.67920	21.61000	0.014077	21.538	-0.0052875	-0.44742	2.7891E-6
79.51965	19.67920	21.61000	0.012884	21.538	-0.0055437	-0.45882	2.8552E-6
82.08480	19.67920	21.61000	0.011998	21.538	-0.0057502	-0.46780	2.9072E-6
84.64995	19.67920	21.61000	0.011480	21.538	-0.0058987	-0.47402	2.9429E-6
87.21510	19.67920	21.61000	0.011376	21.538	-0.0059830	-0.47720	2.9609E-6
89.78025	19.67920	21.61000	0.011712	21.538	-0.0059992	-0.47715	2.9599E-6
92.34540	19.67920	21.61000	0.012492	21.538	-0.0059465	-0.47378	2.9394E-6
94.91055	19.67920	21.61000	0.013692	21.538	-0.0058265	-0.46714	2.8997E-6
97.47570	19.67920	21.61000	0.015264	21.538	-0.0056440	-0.45739	2.8416E-6
100.04085	19.67920	21.61000	0.017132	21.538	-0.0054064	-0.44480	2.7667E-6
102.60600	19.67920	21.61000	0.019205	21.538	-0.0051230	-0.42972	2.6770E-6
105.17115	19.67920	21.61000	0.021381	21.538	-0.0048049	-0.41261	2.5750E-6
107.73630	19.67920	21.61000	0.023558	21.538	-0.0044635	-0.39393	2.4633E-6
110.30145	19.67920	21.61000	0.025641	21.538	-0.0041101	-0.37415	2.3449E-6
112.86660	19.67920	21.61000	0.027549	21.538	-0.0037547	-0.35373	2.2222E-6
115.43175	19.67920	21.61000	0.029221	21.538	-0.0034061	-0.33308	2.0976E-6
117.99690	19.67920	21.61000	0.030615	21.538	-0.0030711	-0.31255	1.9734E-6
120.56205	19.67920	21.61000	0.031708	21.538	-0.0027546	-0.29243	1.8511E-6
123.12720	19.67920	21.61000	0.032496	21.538	-0.0024599	-0.27294	1.7323E-6
125.69235	19.67920	21.61000	0.032988	21.538	-0.0021890	-0.25426	1.6178E-6
128.25750	19.67920	21.61000	0.033203	21.538	-0.0019423	-0.23651	1.5086E-6
130.82265	19.67920	21.61000	0.033167	21.538	-0.0017196	-0.21974	1.4051E-6
133.38780	19.67920	21.61000	0.032910	21.538	-0.0015199	-0.20399	1.3075E-6
135.95295	19.67920	21.61000	0.032463	21.538	-0.0013419	-0.18928	1.2159E-6
138.51810	19.67920	21.61000	0.031859	21.538	-0.0011840	-0.17558	1.1304E-6
141.08325	19.67920	21.61000	0.031127	21.538	-0.0010443	-0.16287	1.0507E-6
143.64840	19.67920	21.61000	0.030293	21.538	-921.16E-6	-0.15110	0.0
146.21355	19.67920	21.61000	0.029384	21.538	-812.82E-6	-0.14023	0.0
148.77870	19.67920	21.61000	0.028419	21.538	-717.64E-6	-0.13020	0.0
151.34385	19.67920	21.61000	0.027419	21.538	-634.11E-6	-0.12095	0.0
153.90900	19.67920	21.61000	0.026398	21.538	-560.85E-6	-0.11243	0.0 !
0.00000	22.13910	21.61000	0.026018	21.538	-277.61E-6	-0.080935	0.0
2.56515	22.13910	21.61000	0.027156	21.538	-309.25E-6	-0.086469	0.0
5.13030	22.13910	21.61000	0.028303	21.538	-344.84E-6	-0.092442	0.0
7.69545	22.13910	21.61000	0.029447	21.538	-384.88E-6	-0.098889	0.0
10.26060	22.13910	21.61000	0.030573	21.538	-429.93E-6	-0.10585	0.0
12.82575	22.13910	21.61000	0.031664	21.538	-480.63E-6	-0.11335	0.0
15.39090	22.13910	21.61000	0.032698	21.538	-537.63E-6	-0.12143	0.0
17.95605	22.13910	21.61000	0.033649	21.538	-601.69E-6	-0.13013	0.0
20.52120	22.13910	21.61000	0.034490	21.538	-673.60E-6	-0.13949	0.0
23.08635	22.13910	21.61000	0.035189	21.538	-754.18E-6	-0.14954	0.0

25.65150	22.13910	21.61000	0.035710	21.538	-844.33E-6	-0.16031	1.0416E-6
28.21665	22.13910	21.61000	0.036017	21.538	-944.97E-6	-0.17183	1.1148E-6
30.78180	22.13910	21.61000	0.036074	21.538	-0.0010570	-0.18411	1.1927E-6
33.34695	22.13910	21.61000	0.035849	21.538	-0.0011816	-0.19717	1.2753E-6
35.91210	22.13910	21.61000	0.035314	21.538	-0.0013199	-0.21103	1.3628E-6
38.47725	22.13910	21.61000	0.034451	21.538	-0.0014732	-0.22569	1.4549E-6
41.04240	22.13910	21.61000	0.033255	21.538	-0.0016436	-0.24115	1.5518E-6
43.60755	22.13910	21.61000	0.031736	21.538	-0.0018335	-0.25742	1.6534E-6
46.17270	22.13910	21.61000	0.029915	21.538	-0.0020460	-0.27451	1.7595E-6
48.73785	22.13910	21.61000	0.027830	21.538	-0.0022850	-0.29243	1.8700E-6
51.30300	22.13910	21.61000	0.025524	21.538	-0.0025545	-0.31116	1.9849E-6
53.86815	22.13910	21.61000	0.023045	21.538	-0.0028586	-0.33070	2.1037E-6
56.43330	22.13910	21.61000	0.020439	21.538	-0.0032001	-0.35098	2.2261E-6
58.99845	22.13910	21.61000	0.017749	21.538	-0.0035798	-0.37193	2.3513E-6
61.56360	22.13910	21.61000	0.015009	21.538	-0.0039961	-0.39338	2.4785E-6
64.12875	22.13910	21.61000	0.012256	21.538	-0.0044441	-0.41511	2.6062E-6
66.69390	22.13910	21.61000	0.0095239	21.538	-0.0049153	-0.43683	2.7330E-6
69.25905	22.13910	21.61000	0.0068572	21.538	-0.0053980	-0.45817	2.8567E-6
71.82420	22.13910	21.61000	0.0043115	21.538	-0.0058773	-0.47867	2.9750E-6
74.38935	22.13910	21.61000	0.0019576	21.538	-0.0063367	-0.49785	3.0852E-6
76.95450	22.13910	21.61000	-119.91E-6	21.538	-0.0067586	-0.51515	3.1843E-6
79.51965	22.13910	21.61000	-0.0018260	21.538	-0.0071262	-0.53001	3.2692E-6
82.08480	22.13910	21.61000	-0.0030632	21.538	-0.0074244	-0.54188	3.3368E-6
84.64995	22.13910	21.61000	-0.0037410	21.538	-0.0076405	-0.55028	3.3845E-6
87.21510	22.13910	21.61000	-0.0037868	21.538	-0.0077652	-0.55479	3.4097E-6
89.78025	22.13910	21.61000	-0.0031559	21.538	-0.0077927	-0.55515	3.4110E-6
92.34540	22.13910	21.61000	-0.0018405	21.538	-0.0077211	-0.55121	3.3874E-6
94.91055	22.13910	21.61000	125.43E-6	21.538	-0.0075531	-0.54301	3.3392E-6
97.47570	22.13910	21.61000	0.0026659	21.538	-0.0072957	-0.53078	3.2675E-6
100.04085	22.13910	21.61000	0.0056673	21.538	-0.0069600	-0.51489	3.1744E-6
102.60600	22.13910	21.61000	0.0089877	21.538	-0.0065608	-0.49586	3.0628E-6
105.17115	22.13910	21.61000	0.012471	21.538	-0.0061148	-0.47429	2.9361E-6
107.73630	22.13910	21.61000	0.015959	21.538	-0.0056397	-0.45085	2.7979E-6
110.30145	22.13910	21.61000	0.019310	21.538	-0.0051522	-0.42618	2.6520E-6
112.86660	22.13910	21.61000	0.022404	21.538	-0.0046673	-0.40090	2.5019E-6
115.43175	22.13910	21.61000	0.025151	21.538	-0.0041969	-0.37553	2.3506E-6
117.99690	22.13910	21.61000	0.027495	21.538	-0.0037504	-0.35052	2.2008E-6
120.56205	22.13910	21.61000	0.029407	21.538	-0.0033338	-0.32622	2.0545E-6
123.12720	22.13910	21.61000	0.030886	21.538	-0.0029509	-0.30290	1.9135E-6
125.69235	22.13910	21.61000	0.031947	21.538	-0.0026030	-0.28073	1.7788E-6
128.25750	22.13910	21.61000	0.032622	21.538	-0.0022902	-0.25984	1.6512E-6
130.82265	22.13910	21.61000	0.032951	21.538	-0.0020110	-0.24027	1.5311E-6
133.38780	22.13910	21.61000	0.032977	21.538	-0.0017636	-0.22204	1.4188E-6
135.95295	22.13910	21.61000	0.032745	21.538	-0.0015454	-0.20514	1.3141E-6
138.51810	22.13910	21.61000	0.032298	21.538	-0.0013538	-0.18951	1.2170E-6
141.08325	22.13910	21.61000	0.031676	21.538	-0.0011860	-0.17511	1.1271E-6
143.64840	22.13910	21.61000	0.030917	21.538	-0.0010395	-0.16186	1.0441E-6
146.21355	22.13910	21.61000	0.030053	21.538	-911.65E-6	-0.14969	0.0

148.77870	22.13910	21.61000	0.029111	21.538	-800.29E-6	-0.13852	0.0
151.34385	22.13910	21.61000	0.028116	21.538	-703.32E-6	-0.12829	0.0
153.90900	22.13910	21.61000	0.027088	21.538	-618.89E-6	-0.11890	0.0 !
0.00000	24.59900	21.61000	0.026751	21.538	-300.30E-6	-0.084728	0.0
2.56515	24.59900	21.61000	0.027920	21.538	-335.63E-6	-0.090708	0.0
5.13030	24.59900	21.61000	0.029091	21.538	-375.55E-6	-0.097184	0.0
7.69545	24.59900	21.61000	0.030250	21.538	-420.67E-6	-0.10420	0.0
10.26060	24.59900	21.61000	0.031377	21.538	-471.68E-6	-0.11179	0.0
12.82575	24.59900	21.61000	0.032449	21.538	-529.35E-6	-0.12002	0.0
15.39090	24.59900	21.61000	0.033439	21.538	-594.52E-6	-0.12892	0.0
17.95605	24.59900	21.61000	0.034314	21.538	-668.11E-6	-0.13853	0.0
20.52120	24.59900	21.61000	0.035035	21.538	-751.09E-6	-0.14892	0.0
23.08635	24.59900	21.61000	0.035559	21.538	-844.52E-6	-0.16012	1.0403E-6
25.65150	24.59900	21.61000	0.035838	21.538	-949.43E-6	-0.17217	1.1169E-6
28.21665	24.59900	21.61000	0.035819	21.538	-0.0010669	-0.18511	1.1990E-6
30.78180	24.59900	21.61000	0.035453	21.538	-0.0011980	-0.19896	1.2867E-6
33.34695	24.59900	21.61000	0.034690	21.538	-0.0013438	-0.21375	1.3800E-6
35.91210	24.59900	21.61000	0.033491	21.538	-0.0015056	-0.22949	1.4791E-6
38.47725	24.59900	21.61000	0.031830	21.538	-0.0016850	-0.24618	1.5839E-6
41.04240	24.59900	21.61000	0.029699	21.538	-0.0018842	-0.26386	1.6945E-6
43.60755	24.59900	21.61000	0.027114	21.538	-0.0021066	-0.28252	1.8107E-6
46.17270	24.59900	21.61000	0.024116	21.538	-0.0023571	-0.30219	1.9327E-6
48.73785	24.59900	21.61000	0.020765	21.538	-0.0026424	-0.32293	2.0603E-6
51.30300	24.59900	21.61000	0.017135	21.538	-0.0029703	-0.34477	2.1936E-6
53.86815	24.59900	21.61000	0.013303	21.538	-0.0033487	-0.36774	2.3325E-6
56.43330	24.59900	21.61000	0.0093422	21.538	-0.0037843	-0.39183	2.4766E-6
58.99845	24.59900	21.61000	0.0053129	21.538	-0.0042810	-0.41698	2.6254E-6
61.56360	24.59900	21.61000	0.0012627	21.538	-0.0048385	-0.44305	2.7778E-6
64.12875	24.59900	21.61000	-0.0027684	21.538	-0.0054511	-0.46978	2.9325E-6
66.69390	24.59900	21.61000	-0.0067402	21.538	-0.0061073	-0.49682	3.0875E-6
69.25905	24.59900	21.61000	-0.010601	21.538	-0.0067898	-0.52371	3.2405E-6
71.82420	24.59900	21.61000	-0.014280	21.538	-0.0074763	-0.54988	3.3884E-6
74.38935	24.59900	21.61000	-0.017680	21.538	-0.0081407	-0.57464	3.5278E-6
76.95450	24.59900	21.61000	-0.020679	21.538	-0.0087557	-0.59724	3.6546E-6
79.51965	24.59900	21.61000	-0.023134	21.538	-0.0092949	-0.61690	3.7648E-6
82.08480	24.59900	21.61000	-0.024895	21.538	-0.0097351	-0.63284	3.8541E-6
84.64995	24.59900	21.61000	-0.025822	21.538	-0.010057	-0.64437	3.9185E-6
87.21510	24.59900	21.61000	-0.025799	21.538	-0.010246	-0.65087	3.9545E-6
89.78025	24.59900	21.61000	-0.024750	21.538	-0.010294	-0.65193	3.9597E-6
92.34540	24.59900	21.61000	-0.022659	21.538	-0.010196	-0.64732	3.9327E-6
94.91055	24.59900	21.61000	-0.019573	21.538	-0.0099561	-0.63709	3.8737E-6
97.47570	24.59900	21.61000	-0.015609	21.538	-0.0095855	-0.62153	3.7843E-6
100.04085	24.59900	21.61000	-0.010940	21.538	-0.0091013	-0.60119	3.6673E-6
102.60600	24.59900	21.61000	-0.0057873	21.538	-0.0085268	-0.57681	3.5268E-6
105.17115	24.59900	21.61000	-392.84E-6	21.538	-0.0078887	-0.54926	3.3676E-6
107.73630	24.59900	21.61000	0.0050023	21.538	-0.0072146	-0.51947	3.1949E-6
110.30145	24.59900	21.61000	0.010181	21.538	-0.0065304	-0.48834	3.0136E-6
112.86660	24.59900	21.61000	0.014968	21.538	-0.0058582	-0.45671	2.8284E-6

115.43175	24.59900	21.61000	0.019236	21.538	-0.0052150	-0.42526	2.6433E-6
117.99690	24.59900	21.61000	0.022909	21.538	-0.0046129	-0.39457	2.4616E-6
120.56205	24.59900	21.61000	0.025955	21.538	-0.0040592	-0.36505	2.2858E-6
123.12720	24.59900	21.61000	0.028381	21.538	-0.0035574	-0.33699	2.1178E-6
125.69235	24.59900	21.61000	0.030217	21.538	-0.0031079	-0.31058	1.9587E-6
128.25750	24.59900	21.61000	0.031516	21.538	-0.0027091	-0.28592	1.8093E-6
130.82265	24.59900	21.61000	0.032336	21.538	-0.0023578	-0.26303	1.6699E-6
133.38780	24.59900	21.61000	0.032743	21.538	-0.0020502	-0.24189	1.5404E-6
135.95295	24.59900	21.61000	0.032799	21.538	-0.0017822	-0.22244	1.4207E-6
138.51810	24.59900	21.61000	0.032566	21.538	-0.0015493	-0.20460	1.3104E-6
141.08325	24.59900	21.61000	0.032099	21.538	-0.0013476	-0.18827	1.2089E-6
143.64840	24.59900	21.61000	0.031446	21.538	-0.0011731	-0.17335	1.1159E-6
146.21355	24.59900	21.61000	0.030650	21.538	-0.0010223	-0.15974	1.0306E-6
148.77870	24.59900	21.61000	0.029749	21.538	-892.08E-6	-0.14732	0.0
151.34385	24.59900	21.61000	0.028772	21.538	-779.59E-6	-0.13600	0.0
153.90900	24.59900	21.61000	0.027747	21.538	-682.40E-6	-0.12568	0.0 !
0.00000	27.05890	21.61000	0.027467	21.538	-324.75E-6	-0.088660	0.0
2.56515	27.05890	21.61000	0.028662	21.538	-364.20E-6	-0.095118	0.0
5.13030	27.05890	21.61000	0.029850	21.538	-408.97E-6	-0.10214	0.0
7.69545	27.05890	21.61000	0.031013	21.538	-459.82E-6	-0.10977	0.0
10.26060	27.05890	21.61000	0.032127	21.538	-517.60E-6	-0.11806	0.0
12.82575	27.05890	21.61000	0.033162	21.538	-583.25E-6	-0.12707	0.0
15.39090	27.05890	21.61000	0.034082	21.538	-657.82E-6	-0.13687	0.0
17.95605	27.05890	21.61000	0.034844	21.538	-742.45E-6	-0.14750	0.0
20.52120	27.05890	21.61000	0.035395	21.538	-838.37E-6	-0.15904	1.0333E-6
23.08635	27.05890	21.61000	0.035676	21.538	-946.84E-6	-0.17153	1.1127E-6
25.65150	27.05890	21.61000	0.035619	21.538	-0.0010691	-0.18503	1.1984E-6
28.21665	27.05890	21.61000	0.035153	21.538	-0.0012063	-0.19959	1.2906E-6
30.78180	27.05890	21.61000	0.034200	21.538	-0.0013596	-0.21523	1.3894E-6
33.34695	27.05890	21.61000	0.032690	21.538	-0.0015298	-0.23200	1.4950E-6
35.91210	27.05890	21.61000	0.030560	21.538	-0.0017178	-0.24989	1.6075E-6
38.47725	27.05890	21.61000	0.027769	21.538	-0.0019248	-0.26892	1.7268E-6
41.04240	27.05890	21.61000	0.024304	21.538	-0.0021529	-0.28910	1.8530E-6
43.60755	27.05890	21.61000	0.020192	21.538	-0.0024063	-0.31046	1.9861E-6
46.17270	27.05890	21.61000	0.015497	21.538	-0.0026923	-0.33306	2.1262E-6
48.73785	27.05890	21.61000	0.010321	21.538	-0.0030221	-0.35699	2.2735E-6
51.30300	27.05890	21.61000	0.0047895	21.538	-0.0034103	-0.38237	2.4282E-6
53.86815	27.05890	21.61000	-970.85E-6	21.538	-0.0038731	-0.40933	2.5905E-6
56.43330	27.05890	21.61000	-0.0068457	21.538	-0.0044251	-0.43795	2.7603E-6
58.99845	27.05890	21.61000	-0.012748	21.538	-0.0050765	-0.46823	2.9372E-6
61.56360	27.05890	21.61000	-0.018617	21.538	-0.0058302	-0.50005	3.1203E-6
64.12875	27.05890	21.61000	-0.024414	21.538	-0.0066807	-0.53316	3.3082E-6
66.69390	27.05890	21.61000	-0.030102	21.538	-0.0076123	-0.56714	3.4987E-6
69.25905	27.05890	21.61000	-0.035627	21.538	-0.0085994	-0.60142	3.6890E-6
71.82420	27.05890	21.61000	-0.040903	21.538	-0.0096068	-0.63523	3.8753E-6
74.38935	27.05890	21.61000	-0.045798	21.538	-0.010593	-0.66765	4.0531E-6
76.95450	27.05890	21.61000	-0.050133	21.538	-0.011513	-0.69765	4.2174E-6
79.51965	27.05890	21.61000	-0.053695	21.538	-0.012324	-0.72410	4.3622E-6

82.08480	27.05890	21.61000	-0.056252	21.538	-0.012992	-0.74591	4.4816E-6
84.64995	27.05890	21.61000	-0.057580	21.538	-0.013484	-0.76201	4.5698E-6
87.21510	27.05890	21.61000	-0.057489	21.538	-0.013780	-0.77153	4.6218E-6
89.78025	27.05890	21.61000	-0.055857	21.538	-0.013864	-0.77379	4.6336E-6
92.34540	27.05890	21.61000	-0.052645	21.538	-0.013730	-0.76844	4.6031E-6
94.91055	27.05890	21.61000	-0.047921	21.538	-0.013381	-0.75552	4.5304E-6
97.47570	27.05890	21.61000	-0.041858	21.538	-0.012835	-0.73542	4.4175E-6
100.04085	27.05890	21.61000	-0.034727	21.538	-0.012119	-0.70894	4.2687E-6
102.60600	27.05890	21.61000	-0.026872	21.538	-0.011272	-0.67718	4.0897E-6
105.17115	27.05890	21.61000	-0.018671	21.538	-0.010337	-0.64141	3.8874E-6
107.73630	27.05890	21.61000	-0.010499	21.538	-0.0093590	-0.60299	3.6690E-6
110.30145	27.05890	21.61000	-0.0026828	21.538	-0.0083794	-0.56321	3.4415E-6
112.86660	27.05890	21.61000	0.0045180	21.538	-0.0074311	-0.52318	3.2111E-6
115.43175	27.05890	21.61000	0.010927	21.538	-0.0065383	-0.48383	2.9830E-6
117.99690	27.05890	21.61000	0.016448	21.538	-0.0057164	-0.44586	2.7614E-6
120.56205	27.05890	21.61000	0.021052	21.538	-0.0049729	-0.40976	2.5491E-6
123.12720	27.05890	21.61000	0.024763	21.538	-0.0043100	-0.37584	2.3482E-6
125.69235	27.05890	21.61000	0.027641	21.538	-0.0037254	-0.34426	2.1598E-6
128.25750	27.05890	21.61000	0.029770	21.538	-0.0032143	-0.31506	1.9845E-6
130.82265	27.05890	21.61000	0.031240	21.538	-0.0027706	-0.28823	1.8223E-6
133.38780	27.05890	21.61000	0.032148	21.538	-0.0023872	-0.26368	1.6730E-6
135.95295	27.05890	21.61000	0.032585	21.538	-0.0020573	-0.24128	1.5361E-6
138.51810	27.05890	21.61000	0.032634	21.538	-0.0017741	-0.22091	1.4108E-6
141.08325	27.05890	21.61000	0.032371	21.538	-0.0015314	-0.20240	1.2964E-6
143.64840	27.05890	21.61000	0.031862	21.538	-0.0013236	-0.18561	1.1921E-6
146.21355	27.05890	21.61000	0.031164	21.538	-0.0011459	-0.17039	1.0971E-6
148.77870	27.05890	21.61000	0.030323	21.538	-993.68E-6	-0.15659	1.0106E-6
151.34385	27.05890	21.61000	0.029381	21.538	-863.35E-6	-0.14408	0.0
153.90900	27.05890	21.61000	0.028368	21.538	-751.62E-6	-0.13274	0.0 !
0.00000	29.51880	21.61000	0.028161	21.538	-351.05E-6	-0.092726	0.0
2.56515	29.51880	21.61000	0.029375	21.538	-395.08E-6	-0.099695	0.0
5.13030	29.51880	21.61000	0.030573	21.538	-445.30E-6	-0.10730	0.0
7.69545	29.51880	21.61000	0.031729	21.538	-502.62E-6	-0.11559	0.0
10.26060	29.51880	21.61000	0.032813	21.538	-568.08E-6	-0.12465	0.0
12.82575	29.51880	21.61000	0.033789	21.538	-642.87E-6	-0.13453	0.0
15.39090	29.51880	21.61000	0.034607	21.538	-728.28E-6	-0.14531	0.0
17.95605	29.51880	21.61000	0.035212	21.538	-825.76E-6	-0.15708	1.0206E-6
20.52120	29.51880	21.61000	0.035533	21.538	-936.81E-6	-0.16990	1.1022E-6
23.08635	29.51880	21.61000	0.035487	21.538	-0.0010630	-0.18384	1.1907E-6
25.65150	29.51880	21.61000	0.034982	21.538	-0.0012058	-0.19899	1.2866E-6
28.21665	29.51880	21.61000	0.033910	21.538	-0.0013663	-0.21540	1.3902E-6
30.78180	29.51880	21.61000	0.032162	21.538	-0.0015455	-0.23310	1.5018E-6
33.34695	29.51880	21.61000	0.029626	21.538	-0.0017433	-0.25213	1.6215E-6
35.91210	29.51880	21.61000	0.026204	21.538	-0.0019595	-0.27250	1.7494E-6
38.47725	29.51880	21.61000	0.021825	21.538	-0.0021931	-0.29418	1.8855E-6
41.04240	29.51880	21.61000	0.016462	21.538	-0.0024447	-0.31719	2.0297E-6
43.60755	29.51880	21.61000	0.010153	21.538	-0.0027175	-0.34154	2.1821E-6
46.17270	29.51880	21.61000	0.0030032	21.538	-0.0030217	-0.36733	2.3429E-6

48.73785	29.51880	21.61000	-0.0048165	21.538	-0.0033761	-0.39475	2.5126E-6
51.30300	29.51880	21.61000	-0.013095	21.538	-0.0038085	-0.42405	2.6918E-6
53.86815	29.51880	21.61000	-0.021617	21.538	-0.0043519	-0.45554	2.8812E-6
56.43330	29.51880	21.61000	-0.032021	21.538	-0.0050379	-0.48946	3.0812E-6
58.99845	29.51880	21.61000	-0.038718	21.538	-0.0058896	-0.52594	3.2917E-6
61.56360	29.51880	21.61000	-0.047103	21.538	-0.0069179	-0.56496	3.5121E-6
64.12875	29.51880	21.61000	-0.055329	21.538	-0.0081186	-0.60627	3.7409E-6
66.69390	29.51880	21.61000	-0.063381	21.538	-0.0094714	-0.64940	3.9758E-6
69.25905	29.51880	21.61000	-0.071221	21.538	-0.010937	-0.69363	4.2136E-6
71.82420	29.51880	21.61000	-0.078750	21.538	-0.012460	-0.73797	4.4498E-6
74.38935	29.51880	21.61000	-0.085793	21.538	-0.013969	-0.78115	4.6787E-6
76.95450	29.51880	21.61000	-0.092089	21.538	-0.015389	-0.82169	4.8935E-6
79.51965	29.51880	21.61000	-0.097311	21.538	-0.016649	-0.85797	5.0863E-6
82.08480	29.51880	21.61000	-0.10109	21.538	-0.017691	-0.88838	5.2484E-6
84.64995	29.51880	21.61000	-0.10308	21.538	-0.018469	-0.91137	5.3712E-6
87.21510	29.51880	21.61000	-0.10296	21.538	-0.018949	-0.92556	5.4472E-6
89.78025	29.51880	21.61000	-0.10053	21.538	-0.019104	-0.92991	5.4701E-6
92.34540	29.51880	21.61000	-0.095697	21.538	-0.018921	-0.92381	5.4365E-6
94.91055	29.51880	21.61000	-0.088565	21.538	-0.018404	-0.90724	5.3462E-6
97.47570	29.51880	21.61000	-0.079391	21.538	-0.017578	-0.88079	5.2019E-6
100.04085	29.51880	21.61000	-0.068599	21.538	-0.016488	-0.84563	5.0099E-6
102.60600	29.51880	21.61000	-0.056731	21.538	-0.015201	-0.80344	4.7787E-6
105.17115	29.51880	21.61000	-0.044386	21.538	-0.013791	-0.75615	4.5182E-6
107.73630	29.51880	21.61000	-0.032149	21.538	-0.012335	-0.70577	4.2388E-6
110.30145	29.51880	21.61000	-0.020520	21.538	-0.010900	-0.65417	3.9503E-6
112.86660	29.51880	21.61000	-0.0098777	21.538	-0.0095356	-0.60289	3.6612E-6
115.43175	29.51880	21.61000	-461.64E-6	21.538	-0.0082761	-0.55315	3.3782E-6
117.99690	29.51880	21.61000	0.0076147	21.538	-0.0071390	-0.50580	3.1062E-6
120.56205	29.51880	21.61000	0.014341	21.538	-0.0061303	-0.46138	2.8488E-6
123.12720	29.51880	21.61000	0.019779	21.538	-0.0052473	-0.42016	2.6078E-6
125.69235	29.51880	21.61000	0.024041	21.538	-0.0044822	-0.38224	2.3842E-6
128.25750	29.51880	21.61000	0.027258	21.538	-0.0038243	-0.34760	2.1782E-6
130.82265	29.51880	21.61000	0.029576	21.538	-0.0032619	-0.31609	1.9895E-6
133.38780	29.51880	21.61000	0.031132	21.538	-0.0027830	-0.28755	1.8172E-6
135.95295	29.51880	21.61000	0.032057	21.538	-0.0023764	-0.26175	1.6605E-6
138.51810	29.51880	21.61000	0.032470	21.538	-0.0020318	-0.23848	1.5183E-6
141.08325	29.51880	21.61000	0.032471	21.538	-0.0017399	-0.21752	1.3894E-6
143.64840	29.51880	21.61000	0.032150	21.538	-0.0014927	-0.19863	1.2726E-6
146.21355	29.51880	21.61000	0.031581	21.538	-0.0012832	-0.18163	1.1670E-6
148.77870	29.51880	21.61000	0.030825	21.538	-0.0011057	-0.16631	1.0714E-6
151.34385	29.51880	21.61000	0.029933	21.538	-954.92E-6	-0.15251	0.0
153.90900	29.51880	21.61000	0.028947	21.538	-826.73E-6	-0.14006	0.0 !
0.00000	31.97870	21.61000	0.028828	21.538	-379.30E-6	-0.096919	0.0
2.56515	31.97870	21.61000	0.030056	21.538	-428.43E-6	-0.10443	0.0
5.13030	31.97870	21.61000	0.031253	21.538	-484.74E-6	-0.11266	0.0
7.69545	31.97870	21.61000	0.032388	21.538	-549.36E-6	-0.12168	0.0
10.26060	31.97870	21.61000	0.033426	21.538	-623.56E-6	-0.13155	0.0
12.82575	31.97870	21.61000	0.034315	21.538	-708.81E-6	-0.14239	0.0

15.39090	31.97870	21.61000	0.034997	21.538	-806.75E-6	-0.15426	1.0025E-6
17.95605	31.97870	21.61000	0.035393	21.538	-919.18E-6	-0.16728	1.0853E-6
20.52120	31.97870	21.61000	0.035412	21.538	-0.0010480	-0.18153	1.1758E-6
23.08635	31.97870	21.61000	0.034941	21.538	-0.0011952	-0.19713	1.2745E-6
25.65150	31.97870	21.61000	0.033846	21.538	-0.0013624	-0.21415	1.3820E-6
28.21665	31.97870	21.61000	0.031977	21.538	-0.0015507	-0.23267	1.4987E-6
30.78180	31.97870	21.61000	0.029166	21.538	-0.0017602	-0.25275	1.6250E-6
33.34695	31.97870	21.61000	0.025241	21.538	-0.0019893	-0.27441	1.7610E-6
35.91210	31.97870	21.61000	0.020039	21.538	-0.0022341	-0.29761	1.9069E-6
38.47725	31.97870	21.61000	0.013436	21.538	-0.0024883	-0.32232	2.0624E-6
41.04240	31.97870	21.61000	0.0053725	21.538	-0.0027455	-0.34846	2.2274E-6
43.60755	31.97870	21.61000	-0.0041085	21.538	-0.0030034	-0.37602	2.4020E-6
46.17270	31.97870	21.61000	-0.014839	21.538	-0.0032719	-0.40512	2.5864E-6
48.73785	31.97870	21.61000	-0.026530	21.538	-0.0035823	-0.43606	2.7815E-6
51.30300	31.97870	21.61000	-0.038815	21.538	-0.0039897	-0.46938	2.9887E-6
53.86815	31.97870	21.61000	-0.051323	21.538	-0.0045648	-0.50571	3.2093E-6
56.43330	31.97870	21.61000	-0.063753	21.538	-0.0053763	-0.54564	3.4445E-6
58.99845	31.97870	21.61000	-0.075923	21.538	-0.0064752	-0.58956	3.6950E-6
61.56360	31.97870	21.61000	-0.087769	21.538	-0.0078876	-0.63758	3.9602E-6
64.12875	31.97870	21.61000	-0.099312	21.538	-0.0096148	-0.68951	4.2391E-6
66.69390	31.97870	21.61000	-0.11060	21.538	-0.011632	-0.74486	4.5293E-6
69.25905	31.97870	21.61000	-0.12166	21.538	-0.013880	-0.80277	4.8273E-6
71.82420	31.97870	21.61000	-0.13238	21.538	-0.016267	-0.86193	5.1282E-6
74.38935	31.97870	21.61000	-0.14253	21.538	-0.018667	-0.92055	5.4249E-6
76.95450	31.97870	21.61000	-0.15174	21.538	-0.020943	-0.97649	5.7086E-6
79.51965	31.97870	21.61000	-0.15948	21.538	-0.022972	-1.0274	5.9683E-6
82.08480	31.97870	21.61000	-0.16520	21.538	-0.024661	-1.0708	6.1916E-6
84.64995	31.97870	21.61000	-0.16829	21.538	-0.025942	-1.1044	6.3656E-6
87.21510	31.97870	21.61000	-0.16826	21.538	-0.026756	-1.1261	6.4782E-6
89.78025	31.97870	21.61000	-0.16473	21.538	-0.027059	-1.1341	6.5197E-6
92.34540	31.97870	21.61000	-0.15757	21.538	-0.026818	-1.1274	6.4844E-6
94.91055	31.97870	21.61000	-0.14688	21.538	-0.026034	-1.1058	6.3712E-6
97.47570	31.97870	21.61000	-0.13305	21.538	-0.024743	-1.0702	6.1844E-6
100.04085	31.97870	21.61000	-0.11677	21.538	-0.023024	-1.0224	5.9329E-6
102.60600	31.97870	21.61000	-0.098877	21.538	-0.020995	-0.96504	5.6297E-6
105.17115	31.97870	21.61000	-0.080356	21.538	-0.018794	-0.90114	5.2895E-6
107.73630	31.97870	21.61000	-0.062128	21.538	-0.016557	-0.83379	4.9277E-6
110.30145	31.97870	21.61000	-0.044963	21.538	-0.014397	-0.76573	4.5580E-6
112.86660	31.97870	21.61000	-0.029409	21.538	-0.012390	-0.69915	4.1921E-6
115.43175	31.97870	21.61000	-0.015781	21.538	-0.010582	-0.63559	3.8385E-6
117.99690	31.97870	21.61000	-0.0041891	21.538	-0.0089869	-0.57605	3.5031E-6
120.56205	31.97870	21.61000	0.0054061	21.538	-0.0076036	-0.52103	3.1897E-6
123.12720	31.97870	21.61000	0.013144	21.538	-0.0064181	-0.47071	2.8998E-6
125.69235	31.97870	21.61000	0.019219	21.538	-0.0054110	-0.42506	2.6340E-6
128.25750	31.97870	21.61000	0.023848	21.538	-0.0045608	-0.38385	2.3918E-6
130.82265	31.97870	21.61000	0.027250	21.538	-0.0038461	-0.34682	2.1721E-6
133.38780	31.97870	21.61000	0.029630	21.538	-0.0032470	-0.31362	1.9735E-6
135.95295	31.97870	21.61000	0.031174	21.538	-0.0027456	-0.28391	1.7943E-6

138.51810	31.97870	21.61000	0.032043	21.538	-0.0023262	-0.25735	1.6330E-6
141.08325	31.97870	21.61000	0.032378	21.538	-0.0019754	-0.23361	1.4879E-6
143.64840	31.97870	21.61000	0.032294	21.538	-0.0016816	-0.21240	1.3574E-6
146.21355	31.97870	21.61000	0.031890	21.538	-0.0014354	-0.19344	1.2401E-6
148.77870	31.97870	21.61000	0.031245	21.538	-0.0012286	-0.17647	1.1345E-6
151.34385	31.97870	21.61000	0.030423	21.538	-0.0010546	-0.16127	1.0395E-6
153.90900	31.97870	21.61000	0.029477	21.538	-907.81E-6	-0.14763	0.0 !
0.00000	34.43860	21.61000	0.029465	21.538	-409.58E-6	-0.10123	0.0
2.56515	34.43860	21.61000	0.030698	21.538	-464.37E-6	-0.10933	0.0
5.13030	34.43860	21.61000	0.031883	21.538	-527.50E-6	-0.11822	0.0
7.69545	34.43860	21.61000	0.032984	21.538	-600.33E-6	-0.12801	0.0
10.26060	34.43860	21.61000	0.033954	21.538	-684.45E-6	-0.13878	0.0
12.82575	34.43860	21.61000	0.034729	21.538	-781.69E-6	-0.15065	0.0
15.39090	34.43860	21.61000	0.035233	21.538	-894.12E-6	-0.16373	1.0625E-6
17.95605	34.43860	21.61000	0.035364	21.538	-0.0010240	-0.17813	1.1539E-6
20.52120	34.43860	21.61000	0.035000	21.538	-0.0011739	-0.19400	1.2543E-6
23.08635	34.43860	21.61000	0.033986	21.538	-0.0013461	-0.21145	1.3645E-6
25.65150	34.43860	21.61000	0.032137	21.538	-0.0015426	-0.23061	1.4851E-6
28.21665	34.43860	21.61000	0.029233	21.538	-0.0017645	-0.25157	1.6169E-6
30.78180	34.43860	21.61000	0.025025	21.538	-0.0020103	-0.27441	1.7602E-6
33.34695	34.43860	21.61000	0.019242	21.538	-0.0022748	-0.29912	1.9153E-6
35.91210	34.43860	21.61000	0.011613	21.538	-0.0025465	-0.32562	2.0822E-6
38.47725	34.43860	21.61000	0.0019099	21.538	-0.0028058	-0.35376	2.2606E-6
41.04240	34.43860	21.61000	-0.010003	21.538	-0.0030259	-0.38332	2.4500E-6
43.60755	34.43860	21.61000	-0.024095	21.538	-0.0031813	-0.41411	2.6504E-6
46.17270	34.43860	21.61000	-0.040111	21.538	-0.0032685	-0.44620	2.8622E-6
48.73785	34.43860	21.61000	-0.057555	21.538	-0.0033351	-0.48008	3.0868E-6
51.30300	34.43860	21.61000	-0.075772	21.538	-0.0034972	-0.51676	3.3263E-6
53.86815	34.43860	21.61000	-0.094098	21.538	-0.0039184	-0.55760	3.5834E-6
56.43330	34.43860	21.61000	-0.11202	21.538	-0.0047573	-0.60388	3.8602E-6
58.99845	34.43860	21.61000	-0.12929	21.538	-0.0061227	-0.65645	4.1579E-6
61.56360	34.43860	21.61000	-0.14587	21.538	-0.0080673	-0.71566	4.4769E-6
64.12875	34.43860	21.61000	-0.16190	21.538	-0.010603	-0.78144	4.8162E-6
66.69390	34.43860	21.61000	-0.17760	21.538	-0.013704	-0.85335	5.1738E-6
69.25905	34.43860	21.61000	-0.19309	21.538	-0.017294	-0.93046	5.5466E-6
71.82420	34.43860	21.61000	-0.20834	21.538	-0.021213	-1.0111	5.9296E-6
74.38935	34.43860	21.61000	-0.22306	21.538	-0.025223	-1.0926	6.3151E-6
76.95450	34.43860	21.61000	-0.23665	21.538	-0.029052	-1.1717	6.6921E-6
79.51965	34.43860	21.61000	-0.24831	21.538	-0.032473	-1.2450	7.0457E-6
82.08480	34.43860	21.61000	-0.25711	21.538	-0.035337	-1.3086	7.3575E-6
84.64995	34.43860	21.61000	-0.26210	21.538	-0.037550	-1.3592	7.6077E-6
87.21510	34.43860	21.61000	-0.26243	21.538	-0.039021	-1.3932	7.7770E-6
89.78025	34.43860	21.61000	-0.25746	21.538	-0.039651	-1.4078	7.8494E-6
92.34540	34.43860	21.61000	-0.24691	21.538	-0.039367	-1.4010	7.8153E-6
94.91055	34.43860	21.61000	-0.23092	21.538	-0.038148	-1.3724	7.6725E-6
97.47570	34.43860	21.61000	-0.21007	21.538	-0.036049	-1.3232	7.4270E-6
100.04085	34.43860	21.61000	-0.18542	21.538	-0.033214	-1.2564	7.0927E-6
102.60600	34.43860	21.61000	-0.15838	21.538	-0.029865	-1.1762	6.6892E-6

105.17115	34.43860	21.61000	-0.13054	21.538	-0.026276	-1.0875	6.2389E-6
107.73630	34.43860	21.61000	-0.10339	21.538	-0.022704	-0.99541	5.7646E-6
110.30145	34.43860	21.61000	-0.078147	21.538	-0.019346	-0.90394	5.2861E-6
112.86660	34.43860	21.61000	-0.055577	21.538	-0.016320	-0.81619	4.8192E-6
115.43175	34.43860	21.61000	-0.036062	21.538	-0.013672	-0.73405	4.3747E-6
117.99690	34.43860	21.61000	-0.019662	21.538	-0.011404	-0.65854	3.9594E-6
120.56205	34.43860	21.61000	-0.0062209	21.538	-0.0094871	-0.59000	3.5766E-6
123.12720	34.43860	21.61000	0.0045436	21.538	-0.0078838	-0.52834	3.2275E-6
125.69235	34.43860	21.61000	0.012968	21.538	-0.0065514	-0.47322	2.9113E-6
128.25750	34.43860	21.61000	0.019401	21.538	-0.0054490	-0.42415	2.6264E-6
130.82265	34.43860	21.61000	0.024173	21.538	-0.0045392	-0.38059	2.3708E-6
133.38780	34.43860	21.61000	0.027583	21.538	-0.0037892	-0.34198	2.1419E-6
135.95295	34.43860	21.61000	0.029893	21.538	-0.0031710	-0.30778	1.9374E-6
138.51810	34.43860	21.61000	0.031327	21.538	-0.0026612	-0.27751	1.7548E-6
141.08325	34.43860	21.61000	0.032071	21.538	-0.0022402	-0.25068	1.5917E-6
143.64840	34.43860	21.61000	0.032281	21.538	-0.0018918	-0.22689	1.4462E-6
146.21355	34.43860	21.61000	0.032082	21.538	-0.0016028	-0.20578	1.3162E-6
148.77870	34.43860	21.61000	0.031576	21.538	-0.0013626	-0.18702	1.1999E-6
151.34385	34.43860	21.61000	0.030845	21.538	-0.0011623	-0.17031	1.0959E-6
153.90900	34.43860	21.61000	0.029953	21.538	-994.80E-6	-0.15541	1.0026E-6 !
0.00000	36.89850	21.61000	0.030065	21.538	-441.96E-6	-0.10565	0.0
2.56515	36.89850	21.61000	0.031295	21.538	-503.03E-6	-0.11436	0.0
5.13030	36.89850	21.61000	0.032459	21.538	-573.77E-6	-0.12397	0.0
7.69545	36.89850	21.61000	0.033510	21.538	-655.84E-6	-0.13459	0.0
10.26060	36.89850	21.61000	0.034389	21.538	-751.22E-6	-0.14633	0.0
12.82575	36.89850	21.61000	0.035020	21.538	-862.19E-6	-0.15932	1.0342E-6
15.39090	36.89850	21.61000	0.035301	21.538	-991.39E-6	-0.17371	1.1256E-6
17.95605	36.89850	21.61000	0.035104	21.538	-0.0011418	-0.18966	1.2265E-6
20.52120	36.89850	21.61000	0.034265	21.538	-0.0013165	-0.20732	1.3380E-6
23.08635	36.89850	21.61000	0.032577	21.538	-0.0015188	-0.22687	1.4610E-6
25.65150	36.89850	21.61000	0.029782	21.538	-0.0017512	-0.24848	1.5967E-6
28.21665	36.89850	21.61000	0.025565	21.538	-0.0020143	-0.27227	1.7457E-6
30.78180	36.89850	21.61000	0.019553	21.538	-0.0023048	-0.29833	1.9089E-6
33.34695	36.89850	21.61000	0.011321	21.538	-0.0026108	-0.32665	2.0865E-6
35.91210	36.89850	21.61000	417.03E-6	21.538	-0.0029058	-0.35704	2.2785E-6
38.47725	36.89850	21.61000	-0.013584	21.538	-0.0031393	-0.38912	2.4844E-6
41.04240	36.89850	21.61000	-0.030989	21.538	-0.0032302	-0.42231	2.7034E-6
43.60755	36.89850	21.61000	-0.051846	21.538	-0.0030754	-0.45595	2.9354E-6
46.17270	36.89850	21.61000	-0.075791	21.538	-0.0025981	-0.48974	3.1813E-6
48.73785	36.89850	21.61000	-0.101197	21.538	-0.0018476	-0.52433	3.4435E-6
51.30300	36.89850	21.61000	-0.12916	21.538	-0.0010876	-0.56173	3.7251E-6
53.86815	36.89850	21.61000	-0.15612	21.538	-748.15E-6	-0.60495	4.0287E-6
56.43330	36.89850	21.61000	-0.18195	21.538	-0.0012323	-0.65677	4.3570E-6
58.99845	36.89850	21.61000	-0.20630	21.538	-0.0027672	-0.71889	4.7120E-6
61.56360	36.89850	21.61000	-0.22928	21.538	-0.0054258	-0.79190	5.0947E-6
64.12875	36.89850	21.61000	-0.25131	21.538	-0.0092269	-0.87583	5.5049E-6
66.69390	36.89850	21.61000	-0.27291	21.538	-0.014175	-0.97053	5.9411E-6
69.25905	36.89850	21.61000	-0.29452	21.538	-0.020197	-1.0753	6.4013E-6

71.82420	36.89850	21.61000	-0.31626	21.538	-0.027034	-1.1880	6.8823E-6
74.38935	36.89850	21.61000	-0.33775	21.538	-0.034193	-1.3048	7.3779E-6
76.95450	36.89850	21.61000	-0.35807	21.538	-0.041063	-1.4204	7.8769E-6
79.51965	36.89850	21.61000	-0.37593	21.538	-0.047168	-1.5290	8.3600E-6
82.08480	36.89850	21.61000	-0.38979	21.538	-0.052306	-1.6254	8.7997E-6
84.64995	36.89850	21.61000	-0.39809	21.538	-0.056400	-1.7042	9.1635E-6
87.21510	36.89850	21.61000	-0.39936	21.538	-0.059281	-1.7596	9.4196E-6
89.78025	36.89850	21.61000	-0.39252	21.538	-0.060705	-1.7864	9.5422E-6
92.34540	36.89850	21.61000	-0.37705	21.538	-0.060477	-1.7810	9.5148E-6
94.91055	36.89850	21.61000	-0.35308	21.538	-0.058532	-1.7423	9.3333E-6
97.47570	36.89850	21.61000	-0.32148	21.538	-0.054947	-1.6721	9.0069E-6
100.04085	36.89850	21.61000	-0.28389	21.538	-0.049986	-1.5753	8.5569E-6
102.60600	36.89850	21.61000	-0.24267	21.538	-0.044113	-1.4590	8.0135E-6
105.17115	36.89850	21.61000	-0.20053	21.538	-0.037914	-1.3321	7.4111E-6
107.73630	36.89850	21.61000	-0.15996	21.538	-0.031925	-1.2025	6.7832E-6
110.30145	36.89850	21.61000	-0.12284	21.538	-0.026504	-1.0770	6.1588E-6
112.86660	36.89850	21.61000	-0.090233	21.538	-0.021810	-0.95941	5.5591E-6
115.43175	36.89850	21.61000	-0.062522	21.538	-0.017856	-0.85204	4.9979E-6
117.99690	36.89850	21.61000	-0.039595	21.538	-0.014583	-0.75553	4.4821E-6
120.56205	36.89850	21.61000	-0.021048	21.538	-0.011902	-0.66970	4.0142E-6
123.12720	36.89850	21.61000	-0.0063459	21.538	-0.0097197	-0.59390	3.5934E-6
125.69235	36.89850	21.61000	0.0050827	21.538	-0.0079501	-0.52723	3.2174E-6
128.25750	36.89850	21.61000	0.013786	21.538	-0.0065176	-0.46876	2.8827E-6
130.82265	36.89850	21.61000	0.020260	21.538	-0.0053585	-0.41754	2.5857E-6
133.38780	36.89850	21.61000	0.024936	21.538	-0.0044200	-0.37268	2.3225E-6
135.95295	36.89850	21.61000	0.028181	21.538	-0.0036588	-0.33338	2.0895E-6
138.51810	36.89850	21.61000	0.030298	21.538	-0.0030402	-0.29892	1.8832E-6
141.08325	36.89850	21.61000	0.031536	21.538	-0.0025361	-0.26866	1.7005E-6
143.64840	36.89850	21.61000	0.032099	21.538	-0.0021240	-0.24205	1.5385E-6
146.21355	36.89850	21.61000	0.032147	21.538	-0.0017860	-0.21860	1.3948E-6
148.77870	36.89850	21.61000	0.031811	21.538	-0.0015078	-0.19790	1.2671E-6
151.34385	36.89850	21.61000	0.031192	21.538	-0.0012780	-0.17959	1.1535E-6
153.90900	36.89850	21.61000	0.030371	21.538	-0.0010875	-0.16334	1.0522E-6 !
0.00000	39.35840	21.61000	0.030625	21.538	-476.51E-6	-0.11016	0.0
2.56515	39.35840	21.61000	0.031844	21.538	-544.51E-6	-0.11952	0.0
5.13030	39.35840	21.61000	0.032973	21.538	-623.72E-6	-0.12989	0.0
7.69545	39.35840	21.61000	0.033958	21.538	-716.17E-6	-0.14139	0.0
10.26060	39.35840	21.61000	0.034725	21.538	-824.31E-6	-0.15417	1.0012E-6
12.82575	39.35840	21.61000	0.035178	21.538	-950.99E-6	-0.16838	1.0915E-6
15.39090	39.35840	21.61000	0.035191	21.538	-0.0010996	-0.18421	1.1917E-6
17.95605	39.35840	21.61000	0.034599	21.538	-0.0012739	-0.20186	1.3031E-6
20.52120	39.35840	21.61000	0.033188	21.538	-0.0014783	-0.22153	1.4268E-6
23.08635	39.35840	21.61000	0.030681	21.538	-0.0017170	-0.24346	1.5644E-6
25.65150	39.35840	21.61000	0.026727	21.538	-0.0019936	-0.26787	1.7170E-6
28.21665	39.35840	21.61000	0.020877	21.538	-0.0023088	-0.29496	1.8860E-6
30.78180	39.35840	21.61000	0.012583	21.538	-0.0026566	-0.32484	2.0725E-6
33.34695	39.35840	21.61000	0.0011821	21.538	-0.0030152	-0.35748	2.2771E-6
35.91210	39.35840	21.61000	-0.014079	21.538	-0.0033310	-0.39256	2.4998E-6

38.47725	39.35840	21.61000	-0.033986	21.538	-0.0034885	-0.42930	2.7399E-6
41.04240	39.35840	21.61000	-0.059218	21.538	-0.0032691	-0.46630	2.9970E-6
43.60755	39.35840	21.61000	-0.090093	21.538	-0.0023242	-0.50165	3.2722E-6
46.17270	39.35840	21.61000	-0.12620	21.538	-256.82E-6	-0.53368	3.5703E-6
48.73785	39.35840	21.61000	-0.16607	21.538	0.0030426	-0.56271	3.8980E-6
51.30300	39.35840	21.61000	-0.20727	21.538	0.0069240	-0.59289	4.2567E-6
53.86815	39.35840	21.61000	-0.24730	21.538	0.010039	-0.63145	4.6408E-6
56.43330	39.35840	21.61000	-0.28459	21.538	0.011199	-0.68495	5.0464E-6
58.99845	39.35840	21.61000	-0.31874	21.538	0.0099766	-0.75641	5.4767E-6
61.56360	39.35840	21.61000	-0.35023	21.538	0.0064357	-0.84608	5.9358E-6
64.12875	39.35840	21.61000	-0.38005	21.538	623.10E-6	-0.95381	6.4246E-6
66.69390	39.35840	21.61000	-0.40939	21.538	-0.0076077	-1.0803	6.9416E-6
69.25905	39.35840	21.61000	-0.43936	21.538	-0.018375	-1.2260	7.4858E-6
71.82420	39.35840	21.61000	-0.47044	21.538	-0.031334	-1.3891	8.0589E-6
74.38935	39.35840	21.61000	-0.50220	21.538	-0.045367	-1.5636	8.6642E-6
76.95450	39.35840	21.61000	-0.53314	21.538	-0.058832	-1.7393	9.3013E-6
79.51965	39.35840	21.61000	-0.56104	21.538	-0.070548	-1.9065	9.9517E-6
82.08480	39.35840	21.61000	-0.58340	21.538	-0.080447	-2.0579	10.569E-6
84.64995	39.35840	21.61000	-0.59758	21.538	-0.088775	-2.1862	11.094E-6
87.21510	39.35840	21.61000	-0.60103	21.538	-0.095104	-2.2809	11.475E-6
89.78025	39.35840	21.61000	-0.59184	21.538	-0.098629	-2.3315	11.672E-6
92.34540	39.35840	21.61000	-0.56915	21.538	-0.098851	-2.3309	11.660E-6
94.91055	39.35840	21.61000	-0.53304	21.538	-0.095642	-2.2772	11.428E-6
97.47570	39.35840	21.61000	-0.48469	21.538	-0.089108	-2.1730	10.992E-6
100.04085	39.35840	21.61000	-0.42664	21.538	-0.079721	-2.0263	10.386E-6
102.60600	39.35840	21.61000	-0.36292	21.538	-0.068524	-1.8502	9.6554E-6
105.17115	39.35840	21.61000	-0.29835	21.538	-0.056954	-1.6607	8.8497E-6
107.73630	39.35840	21.61000	-0.23724	21.538	-0.046261	-1.4725	8.0173E-6
110.30145	39.35840	21.61000	-0.18254	21.538	-0.037100	-1.2957	7.2001E-6
112.86660	39.35840	21.61000	-0.13558	21.538	-0.029589	-1.1356	6.4281E-6
115.43175	39.35840	21.61000	-0.096533	21.538	-0.023564	-0.99368	5.7184E-6
117.99690	39.35840	21.61000	-0.064831	21.538	-0.018781	-0.86947	5.0776E-6
120.56205	39.35840	21.61000	-0.039592	21.538	-0.015001	-0.76157	4.5058E-6
123.12720	39.35840	21.61000	-0.019839	21.538	-0.012016	-0.66819	3.9994E-6
125.69235	39.35840	21.61000	-0.0046279	21.538	-0.0096604	-0.58753	3.5531E-6
128.25750	39.35840	21.61000	0.0068894	21.538	-0.0077979	-0.51789	3.1608E-6
130.82265	39.35840	21.61000	0.015444	21.538	-0.0063222	-0.45773	2.8166E-6
133.38780	39.35840	21.61000	0.021651	21.538	-0.0051495	-0.40571	2.5148E-6
135.95295	39.35840	21.61000	0.026013	21.538	-0.0042145	-0.36064	2.2500E-6
138.51810	39.35840	21.61000	0.028942	21.538	-0.0034660	-0.32152	2.0177E-6
141.08325	39.35840	21.61000	0.030764	21.538	-0.0028644	-0.28748	1.8135E-6
143.64840	39.35840	21.61000	0.031742	21.538	-0.0023787	-0.25779	1.6339E-6
146.21355	39.35840	21.61000	0.032083	21.538	-0.0019848	-0.23183	1.4755E-6
148.77870	39.35840	21.61000	0.031947	21.538	-0.0016640	-0.20906	1.3357E-6
151.34385	39.35840	21.61000	0.031463	21.538	-0.0014014	-0.18904	1.2119E-6
153.90900	39.35840	21.61000	0.030728	21.538	-0.0011855	-0.17139	1.1022E-6 !
0.00000	41.81830	21.61000	0.031142	21.538	-513.24E-6	-0.11474	0.0
2.56515	41.81830	21.61000	0.032340	21.538	-588.89E-6	-0.12478	0.0

5.13030	41.81830	21.61000	0.033423	21.538	-677.51E-6	-0.13595	0.0
7.69545	41.81830	21.61000	0.034325	21.538	-781.59E-6	-0.14840	0.0
10.26060	41.81830	21.61000	0.034956	21.538	-904.14E-6	-0.16229	1.0525E-6
12.82575	41.81830	21.61000	0.035198	21.538	-0.0010488	-0.17782	1.1509E-6
15.39090	41.81830	21.61000	0.034896	21.538	-0.0012197	-0.19522	1.2607E-6
17.95605	41.81830	21.61000	0.033840	21.538	-0.0014222	-0.21474	1.3835E-6
20.52120	41.81830	21.61000	0.031757	21.538	-0.0016618	-0.23665	1.5209E-6
23.08635	41.81830	21.61000	0.028283	21.538	-0.0019448	-0.26125	1.6746E-6
25.65150	41.81830	21.61000	0.022942	21.538	-0.0022765	-0.28888	1.8466E-6
28.21665	41.81830	21.61000	0.015114	21.538	-0.0026590	-0.31981	2.0387E-6
30.78180	41.81830	21.61000	0.0040007	21.538	-0.0030841	-0.35426	2.2527E-6
33.34695	41.81830	21.61000	-0.011409	21.538	-0.0035176	-0.39221	2.4899E-6
35.91210	41.81830	21.61000	-0.032351	21.538	-0.0038634	-0.43316	2.7507E-6
38.47725	41.81830	21.61000	-0.060252	21.538	-0.0038837	-0.47571	3.0354E-6
41.04240	41.81830	21.61000	-0.096568	21.538	-0.0030385	-0.51692	3.3459E-6
43.60755	41.81830	21.61000	-0.14239	21.538	-236.64E-6	-0.55176	3.6925E-6
46.17270	41.81830	21.61000	-0.19767	21.538	0.0062623	-0.57397	4.1031E-6
48.73785	41.81830	21.61000	-0.26000	21.538	0.017871	-0.58070	4.6156E-6
51.30300	41.81830	21.61000	-0.32422	21.538	0.032982	-0.58044	5.2222E-6
53.86815	41.81830	21.61000	-0.38467	21.538	0.046265	-0.59329	5.8431E-6
56.43330	41.81830	21.61000	-0.43857	21.538	0.053432	-0.63658	6.4221E-6
58.99845	41.81830	21.61000	-0.48603	21.538	0.054164	-0.71457	6.9748E-6
61.56360	41.81830	21.61000	-0.52846	21.538	0.049770	-0.82381	7.5309E-6
64.12875	41.81830	21.61000	-0.546794	21.538	0.040791	-0.96226	8.0983E-6
66.69390	41.81830	21.61000	-0.60701	21.538	0.026442	-1.1330	8.6661E-6
69.25905	41.81830	21.61000	-0.64814	21.538	0.0054798	-1.3416	9.2219E-6
71.82420	41.81830	21.61000	-0.69281	21.538	-0.022095	-1.5893	9.7740E-6
74.38935	41.81830	21.61000	-0.74064	21.538	-0.053664	-1.8658	10.358E-6
76.95450	41.81830	21.61000	-0.78895	21.538	-0.083756	-2.1486	11.044E-6
79.51965	41.81830	21.61000	-0.83362	21.538	-0.10834	-2.4174	11.858E-6
82.08480	41.81830	21.61000	-0.87063	21.538	-0.12914	-2.6659	12.688E-6
84.64995	41.81830	21.61000	-0.89566	21.538	-0.14873	-2.8874	13.385E-6
87.21510	41.81830	21.61000	-0.90380	21.538	-0.16506	-3.0602	13.887E-6
89.78025	41.81830	21.61000	-0.89164	21.538	-0.17470	-3.1594	14.165E-6
92.34540	41.81830	21.61000	-0.85811	21.538	-0.17662	-3.1717	14.170E-6
94.91055	41.81830	21.61000	-0.80332	21.538	-0.17110	-3.0948	13.876E-6
97.47570	41.81830	21.61000	-0.72842	21.538	-0.15816	-2.9326	13.309E-6
100.04085	41.81830	21.61000	-0.63706	21.538	-0.13839	-2.6974	12.527E-6
102.60600	41.81830	21.61000	-0.53637	21.538	-0.11432	-2.4141	11.595E-6
105.17115	41.81830	21.61000	-0.43551	21.538	-0.090222	-2.1156	10.562E-6
107.73630	41.81830	21.61000	-0.34239	21.538	-0.069483	-1.8305	9.4848E-6
110.30145	41.81830	21.61000	-0.26151	21.538	-0.053150	-1.5748	8.4267E-6
112.86660	41.81830	21.61000	-0.19413	21.538	-0.040743	-1.3530	7.4377E-6
115.43175	41.81830	21.61000	-0.13954	21.538	-0.031394	-1.1636	6.5432E-6
117.99690	41.81830	21.61000	-0.096207	21.538	-0.024332	-1.0029	5.7495E-6
120.56205	41.81830	21.61000	-0.062332	21.538	-0.018971	-0.86697	5.0532E-6
123.12720	41.81830	21.61000	-0.036207	21.538	-0.014879	-0.75190	4.4458E-6
125.69235	41.81830	21.61000	-0.016314	21.538	-0.011741	-0.65440	3.9180E-6

128.25750	41.81830	21.61000	-0.0013704	21.538	-0.0093220	-0.57161	3.4599E-6
130.82265	41.81830	21.61000	0.0096831	21.538	-0.0074473	-0.50113	3.0625E-6
133.38780	41.81830	21.61000	0.017705	21.538	-0.0059866	-0.44096	2.7176E-6
135.95295	41.81830	21.61000	0.023381	21.538	-0.0048421	-0.38944	2.4180E-6
138.51810	41.81830	21.61000	0.027254	21.538	-0.0039402	-0.34517	2.1573E-6
141.08325	41.81830	21.61000	0.029753	21.538	-0.0032254	-0.30701	1.9300E-6
143.64840	41.81830	21.61000	0.031211	21.538	-0.0026555	-0.27400	1.7315E-6
146.21355	41.81830	21.61000	0.031887	21.538	-0.0021986	-0.24535	1.5577E-6
148.77870	41.81830	21.61000	0.031984	21.538	-0.0018302	-0.22040	1.4051E-6
151.34385	41.81830	21.61000	0.031656	21.538	-0.0015316	-0.19859	1.2708E-6
153.90900	41.81830	21.61000	0.031023	21.538	-0.0012881	-0.17947	1.1523E-6 !
0.00000	44.27820	21.61000	0.031611	21.538	-552.18E-6	-0.11937	0.0
2.56515	44.27820	21.61000	0.032781	21.538	-636.22E-6	-0.13013	0.0
5.13030	44.27820	21.61000	0.033805	21.538	-735.26E-6	-0.14214	0.0
7.69545	44.27820	21.61000	0.034607	21.538	-852.32E-6	-0.15558	1.0096E-6
10.26060	44.27820	21.61000	0.035079	21.538	-991.11E-6	-0.17066	1.1051E-6
12.82575	44.27820	21.61000	0.035080	21.538	-0.0011561	-0.18761	1.2122E-6
15.39090	44.27820	21.61000	0.034416	21.538	-0.0013529	-0.20671	1.3324E-6
17.95605	44.27820	21.61000	0.032831	21.538	-0.0015881	-0.22827	1.4676E-6
20.52120	44.27820	21.61000	0.029977	21.538	-0.0018697	-0.25265	1.6199E-6
23.08635	44.27820	21.61000	0.025387	21.538	-0.0022064	-0.28027	1.7916E-6
25.65150	44.27820	21.61000	0.018434	21.538	-0.0026072	-0.31156	1.9855E-6
28.21665	44.27820	21.61000	0.0082739	21.538	-0.0030777	-0.34699	2.2042E-6
30.78180	44.27820	21.61000	-0.0062221	21.538	-0.0036109	-0.38693	2.4507E-6
33.34695	44.27820	21.61000	-0.026557	21.538	-0.0041627	-0.43149	2.7274E-6
35.91210	44.27820	21.61000	-0.054699	21.538	-0.0045851	-0.48010	3.0366E-6
38.47725	44.27820	21.61000	-0.093150	21.538	-0.0044463	-0.53062	3.3812E-6
41.04240	44.27820	21.61000	-0.14489	21.538	-0.0025503	-0.57756	3.7724E-6
43.60755	44.27820	21.61000	-0.21301	21.538	0.0042467	-0.60909	4.2576E-6
46.17270	44.27820	21.61000	-0.29944	21.538	0.023147	-0.60486	4.9901E-6
48.73785	44.27820	21.61000	-0.40170	21.538	0.064784	-0.54488	6.2638E-6
51.30300	44.27820	21.61000	-0.50761	21.538	0.12742	-0.44326	8.1036E-6
53.86815	44.27820	21.61000	-0.60127	21.538	0.18290	-0.36587	9.8179E-6
56.43330	44.27820	21.61000	-0.67875	21.538	0.21163	-0.36660	10.979E-6
58.99845	44.27820	21.61000	-0.74346	21.538	0.21923	-0.44350	11.801E-6
61.56360	44.27820	21.61000	-0.79898	21.538	0.21486	-0.57479	12.506E-6
64.12875	44.27820	21.61000	-0.84922	21.538	0.20145	-0.75048	13.145E-6
66.69390	44.27820	21.61000	-0.89922	21.538	0.17519	-0.98075	13.633E-6
69.25905	44.27820	21.61000	-0.95456	21.538	0.12877	-1.2891	13.833E-6
71.82420	44.27820	21.61000	-1.0190	21.538	0.059780	-1.6906	13.749E-6
74.38935	44.27820	21.61000	-1.0929	21.538	-0.027275	-2.1713	13.470E-6
76.95450	44.27820	21.61000	-1.1713	21.538	-0.11005	-2.6677	13.468E-6
79.51965	44.27820	21.61000	-1.2449	21.538	-0.16687	-3.1200	14.216E-6
82.08480	44.27820	21.61000	-1.3080	21.538	-0.21461	-3.5466	15.156E-6
84.64995	44.27820	21.61000	-1.3542	21.538	-0.27266	-3.9652	15.628E-6
87.21510	44.27820	21.61000	-1.3721	21.538	-0.32521	-4.3119	15.839E-6
89.78025	44.27820	21.61000	-1.3552	21.538	-0.35392	-4.5147	16.043E-6
92.34540	44.27820	21.61000	-1.3046	21.538	-0.36087	-4.5564	16.043E-6

94.91055	44.27820	21.61000	-1.2208	21.538	-0.35078	-4.4422	15.683E-6
97.47570	44.27820	21.61000	-1.1032	21.538	-0.32262	-4.1754	15.027E-6
100.04085	44.27820	21.61000	-0.95543	21.538	-0.27436	-3.7697	14.248E-6
102.60600	44.27820	21.61000	-0.79073	21.538	-0.21249	-3.2738	13.411E-6
105.17115	44.27820	21.61000	-0.62858	21.538	-0.15356	-2.7673	12.385E-6
107.73630	44.27820	21.61000	-0.48447	21.538	-0.10877	-2.3133	11.142E-6
110.30145	44.27820	21.61000	-0.36457	21.538	-0.077913	-1.9327	9.8305E-6
112.86660	44.27820	21.61000	-0.26841	21.538	-0.056840	-1.6209	8.5872E-6
115.43175	44.27820	21.61000	-0.19291	21.538	-0.042142	-1.3665	7.4720E-6
117.99690	44.27820	21.61000	-0.13444	21.538	-0.031652	-1.1583	6.4972E-6
120.56205	44.27820	21.61000	-0.089642	21.538	-0.024033	-0.98702	5.6549E-6
123.12720	44.27820	21.61000	-0.055632	21.538	-0.018425	-0.84548	4.9310E-6
125.69235	44.27820	21.61000	-0.030058	21.538	-0.014253	-0.72792	4.3102E-6
128.25750	44.27820	21.61000	-0.011024	21.538	-0.011121	-0.62982	3.7780E-6
130.82265	44.27820	21.61000	0.0029708	21.538	-0.0087488	-0.54755	3.3215E-6
133.38780	44.27820	21.61000	0.013104	21.538	-0.0069377	-0.47824	2.9294E-6
135.95295	44.27820	21.61000	0.020292	21.538	-0.0055439	-0.41957	2.5919E-6
138.51810	44.27820	21.61000	0.025245	21.538	-0.0044629	-0.36969	2.3008E-6
141.08325	44.27820	21.61000	0.028511	21.538	-0.0036181	-0.32709	2.0489E-6
143.64840	44.27820	21.61000	0.030510	21.538	-0.0029532	-0.29054	1.8305E-6
146.21355	44.27820	21.61000	0.031565	21.538	-0.0024261	-0.25905	1.6404E-6
148.77870	44.27820	21.61000	0.031923	21.538	-0.0020055	-0.23181	1.4746E-6
151.34385	44.27820	21.61000	0.031772	21.538	-0.0016676	-0.20815	1.3294E-6
153.90900	44.27820	21.61000	0.031255	21.538	-0.0013945	-0.18751	1.2020E-6 !
0.00000	46.73810	21.61000	0.032031	21.538	-593.29E-6	-0.12403	0.0
2.56515	46.73810	21.61000	0.033162	21.538	-686.52E-6	-0.13553	0.0
5.13030	46.73810	21.61000	0.034117	21.538	-797.05E-6	-0.14842	0.0
7.69545	46.73810	21.61000	0.034804	21.538	-928.55E-6	-0.16291	1.0556E-6
10.26060	46.73810	21.61000	0.035096	21.538	-0.0010856	-0.17924	1.1589E-6
12.82575	46.73810	21.61000	0.034825	21.538	-0.0012737	-0.19771	1.2752E-6
15.39090	46.73810	21.61000	0.033758	21.538	-0.0015001	-0.21863	1.4065E-6
17.95605	46.73810	21.61000	0.031582	21.538	-0.0017734	-0.24241	1.5550E-6
20.52120	46.73810	21.61000	0.027867	21.538	-0.0021044	-0.26951	1.7235E-6
23.08635	46.73810	21.61000	0.022026	21.538	-0.0025061	-0.30048	1.9151E-6
25.65150	46.73810	21.61000	0.013251	21.538	-0.0029930	-0.33594	2.1335E-6
28.21665	46.73810	21.61000	428.48E-6	21.538	-0.0035785	-0.37659	2.3826E-6
30.78180	46.73810	21.61000	-0.017990	21.538	-0.0042647	-0.42310	2.6671E-6
33.34695	46.73810	21.61000	-0.044157	21.538	-0.0050107	-0.47596	2.9917E-6
35.91210	46.73810	21.61000	-0.081077	21.538	-0.0056339	-0.53488	3.3619E-6
38.47725	46.73810	21.61000	-0.13292	21.538	-0.0054852	-0.59734	3.7870E-6
41.04240	46.73810	21.61000	-0.20540	21.538	-0.0023402	-0.65494	4.3000E-6
43.60755	46.73810	21.61000	-0.30601	21.538	0.011558	-0.68417	5.0556E-6
46.17270	46.73810	21.61000	-0.44399	21.538	0.062925	-0.62840	6.7493E-6
48.73785	46.73810	21.61000	-0.62809	21.538	0.22434	-0.39612	11.689E-6
51.30300	46.73810	21.61000	-0.83288	21.538	0.54018	0.018732	21.620E-6
53.86815	46.73810	21.61000	-0.98383	21.538	0.80595	0.39172	29.817E-6
56.43330	46.73810	21.61000	-1.0907	21.538	0.91226	0.51441	33.273E-6
58.99845	46.73810	21.61000	-1.1745	21.538	0.93974	0.45247	34.795E-6

61.56360	46.73810	21.61000	-1.2424	21.538	0.93991	0.29980	35.826E-6
64.12875	46.73810	21.61000	-1.3005	21.538	0.92464	0.091027	36.612E-6
66.69390	46.73810	21.61000	-1.3580	21.538	0.87632	-0.20289	36.639E-6
69.25905	46.73810	21.61000	-1.4283	21.538	0.74714	-0.66854	34.563E-6
71.82420	46.73810	21.61000	-1.5188	21.538	0.53644	-1.3660	30.760E-6
74.38935	46.73810	21.61000	-1.6339	21.538	0.22297	-2.3168	24.521E-6
76.95450	46.73810	21.61000	-1.7698	21.538	-0.092234	-3.3210	18.569E-6
79.51965	46.73810	21.61000	-1.8947	21.538	-0.22715	-4.1021	18.379E-6
82.08480	46.73810	21.61000	-2.0055	21.538	-0.33643	-4.8540	19.024E-6
84.64995	46.73810	21.61000	-2.0983	21.538	-0.57950	-5.7689	15.377E-6
87.21510	46.73810	21.61000	-2.1347	21.538	-0.80104	-6.5610	11.773E-6
89.78025	46.73810	21.61000	-2.1018	21.538	-0.88745	-6.9796	11.103E-6
92.34540	46.73810	21.61000	-2.0212	21.538	-0.90409	-7.0748	11.072E-6
94.91055	46.73810	21.61000	-1.8933	21.538	-0.88513	-6.8995	10.660E-6
97.47570	46.73810	21.61000	-1.7064	21.538	-0.81879	-6.4390	10.241E-6
100.04085	46.73810	21.61000	-1.4579	21.538	-0.67637	-5.6715	10.824E-6
102.60600	46.73810	21.61000	-1.1729	21.538	-0.46829	-4.6892	12.610E-6
105.17115	46.73810	21.61000	-0.90049	21.538	-0.28698	-3.7358	13.512E-6
107.73630	46.73810	21.61000	-0.67369	21.538	-0.17749	-2.9700	12.782E-6
110.30145	46.73810	21.61000	-0.49634	21.538	-0.11633	-2.3899	11.352E-6
112.86660	46.73810	21.61000	-0.36063	21.538	-0.080006	-1.9486	9.8532E-6
115.43175	46.73810	21.61000	-0.25768	21.538	-0.056812	-1.6067	8.4927E-6
117.99690	46.73810	21.61000	-0.18001	21.538	-0.041235	-1.3373	7.3126E-6
120.56205	46.73810	21.61000	-0.12170	21.538	-0.030431	-1.1223	6.3052E-6
123.12720	46.73810	21.61000	-0.078163	21.538	-0.022772	-0.94896	5.4502E-6
125.69235	46.73810	21.61000	-0.045846	21.538	-0.017252	-0.80788	4.7259E-6
128.25750	46.73810	21.61000	-0.022034	21.538	-0.013219	-0.69218	4.1120E-6
130.82265	46.73810	21.61000	-0.0046495	21.538	-0.010236	-0.59664	3.5910E-6
133.38780	46.73810	21.61000	0.0078880	21.538	-0.0080049	-0.51720	3.1478E-6
135.95295	46.73810	21.61000	0.016781	21.538	-0.0063187	-0.45074	2.7698E-6
138.51810	46.73810	21.61000	0.022940	21.538	-0.0050316	-0.39482	2.4464E-6
141.08325	46.73810	21.61000	0.027057	21.538	-0.0040400	-0.34749	2.1688E-6
143.64840	46.73810	21.61000	0.029653	21.538	-0.0032693	-0.30721	1.9296E-6
146.21355	46.73810	21.61000	0.031125	21.538	-0.0026652	-0.27277	1.7228E-6
148.77870	46.73810	21.61000	0.031771	21.538	-0.0021880	-0.24317	1.5434E-6
151.34385	46.73810	21.61000	0.031815	21.538	-0.0018080	-0.21761	1.3872E-6
153.90900	46.73810	21.61000	0.031427	21.538	-0.0015034	-0.19544	1.2507E-6 !
0.00000	49.19800	21.61000	0.032398	21.538	-636.50E-6	-0.12868	0.0
2.56515	49.19800	21.61000	0.033483	21.538	-739.74E-6	-0.14095	0.0
5.13030	49.19800	21.61000	0.034357	21.538	-862.89E-6	-0.15475	1.0035E-6
7.69545	49.19800	21.61000	0.034915	21.538	-0.0010104	-0.17034	1.1022E-6
10.26060	49.19800	21.61000	0.035009	21.538	-0.0011877	-0.18799	1.2135E-6
12.82575	49.19800	21.61000	0.034440	21.538	-0.0014020	-0.20805	1.3395E-6
15.39090	49.19800	21.61000	0.032933	21.538	-0.0016621	-0.23092	1.4824E-6
17.95605	49.19800	21.61000	0.030114	21.538	-0.0019793	-0.25709	1.6453E-6
20.52120	49.19800	21.61000	0.025463	21.538	-0.0023683	-0.28715	1.8313E-6
23.08635	49.19800	21.61000	0.018258	21.538	-0.0028475	-0.32181	2.0445E-6
25.65150	49.19800	21.61000	0.0074894	21.538	-0.0034401	-0.36194	2.2899E-6

28.21665	49.19800	21.61000	-0.0082704	21.538	-0.0041731	-0.40856	2.5732E-6
30.78180	49.19800	21.61000	-0.031061	21.538	-0.0050703	-0.46286	2.9014E-6
33.34695	49.19800	21.61000	-0.063835	21.538	-0.0061238	-0.52603	3.2828E-6
35.91210	49.19800	21.61000	-0.11093	21.538	-0.0071855	-0.59877	3.7282E-6
38.47725	49.19800	21.61000	-0.17885	21.538	-0.0075428	-0.67966	4.2565E-6
41.04240	49.19800	21.61000	-0.27755	21.538	-0.0041157	-0.75980	4.9321E-6
43.60755	49.19800	21.61000	-0.42276	21.538	0.017217	-0.80514	6.0951E-6
46.17270	49.19800	21.61000	-0.64191	21.538	0.12907	-0.69994	9.8920E-6
48.73785	49.19800	21.61000	-1.0177	21.538	0.70250	-0.22772	29.808E-6
51.30300	49.19800	21.61000	-2.0401	21.538	-14.401	-31.582	-367.84E-6
53.86815	49.19800	21.61000	-2.2120	21.538	-7.3480	-20.661	-157.19E-6
56.43330	49.19800	21.61000	-2.2436	21.538	2.2039	-7.5962	139.69E-6
58.99845	49.19800	21.61000	-2.2876	21.538	3.7720	-2.6528	169.64E-6
61.56360	49.19800	21.61000	-2.3206	21.538	4.0242	-0.83086	167.57E-6
64.12875	49.19800	21.61000	-2.3416	21.538	4.0891	-0.021776	164.76E-6
66.69390	49.19800	21.61000	-2.3619	21.538	4.0570	0.30002	161.31E-6
69.25905	49.19800	21.61000	-2.4112	21.538	3.6785	0.076758	147.57E-6
71.82420	49.19800	21.61000	-2.5014	21.538	3.0401	-0.79191	127.70E-6
74.38935	49.19800	21.61000	-2.5850	21.538	1.7038	-2.1460	82.988E-6
76.95450	49.19800	21.61000	-2.8416	21.538	0.10713	-4.5187	34.631E-6
79.51965	49.19800	21.61000	-3.0658	21.538	-0.068915	-5.8191	36.268E-6
82.08480	49.19800	21.61000	-3.2838	21.538	-0.17813	-7.2456	41.443E-6
84.64995	49.19800	21.61000	-3.4836	21.538	-1.5903	-9.5615	0.0
87.21510	49.19800	21.61000	-3.5160	21.538	-2.7419	-11.412	-33.810E-6
89.78025	49.19800	21.61000	-3.3694	21.538	-2.9338	-12.028	-37.406E-6
92.34540	49.19800	21.61000	-3.2306	21.538	-2.9499	-12.179	-37.037E-6
94.91055	49.19800	21.61000	-3.0405	21.538	-2.9216	-11.912	-37.692E-6
97.47570	49.19800	21.61000	-2.7436	21.538	-2.7676	-11.106	-36.899E-6
100.04085	49.19800	21.61000	-2.3045	21.538	-2.2693	-9.5194	-27.483E-6
102.60600	49.19800	21.61000	-1.7632	21.538	-1.3016	-7.2280	-3.9020E-6
105.17115	49.19800	21.61000	-1.2773	21.538	-0.58605	-5.1983	11.285E-6
107.73630	49.19800	21.61000	-0.91822	21.538	-0.29635	-3.8520	13.915E-6
110.30145	49.19800	21.61000	-0.65987	21.538	-0.17481	-2.9645	12.853E-6
112.86660	49.19800	21.61000	-0.47199	21.538	-0.11286	-2.3431	11.177E-6
115.43175	49.19800	21.61000	-0.33426	21.538	-0.076593	-1.8867	9.5755E-6
117.99690	49.19800	21.61000	-0.23296	21.538	-0.053628	-1.5408	8.1788E-6
120.56205	49.19800	21.61000	-0.15842	21.538	-0.038412	-1.2728	6.9931E-6
123.12720	49.19800	21.61000	-0.10366	21.538	-0.028028	-1.0618	5.9957E-6
125.69235	49.19800	21.61000	-0.063533	21.538	-0.020781	-0.89361	5.1591E-6
128.25750	49.19800	21.61000	-0.034273	21.538	-0.015630	-0.75808	4.4571E-6
130.82265	49.19800	21.61000	-0.013076	21.538	-0.011910	-0.64783	3.8671E-6
133.38780	49.19800	21.61000	0.0021358	21.538	-0.0091843	-0.55736	3.3698E-6
135.95295	49.19800	21.61000	0.012906	21.538	-0.0071612	-0.48254	2.9493E-6
138.51810	49.19800	21.61000	0.020382	21.538	-0.0056413	-0.42021	2.5923E-6
141.08325	49.19800	21.61000	0.025422	21.538	-0.0044866	-0.36793	2.2880E-6
143.64840	49.19800	21.61000	0.028664	21.538	-0.0036001	-0.32380	2.0276E-6
146.21355	49.19800	21.61000	0.030583	21.538	-0.0029128	-0.28633	1.8038E-6
148.77870	49.19800	21.61000	0.031537	21.538	-0.0023752	-0.25433	1.6108E-6

151.34385	49.19800	21.61000	0.031791	21.538	-0.0019510	-0.22685	1.4435E-6
153.90900	49.19800	21.61000	0.031543	21.538	-0.0016135	-0.20314	1.2980E-6 !
0.00000	51.65790	21.61000	0.032711	21.538	-681.68E-6	-0.13331	0.0
2.56515	51.65790	21.61000	0.033742	21.538	-795.78E-6	-0.14635	0.0
5.13030	51.65790	21.61000	0.034527	21.538	-932.72E-6	-0.16109	1.0433E-6
7.69545	51.65790	21.61000	0.034943	21.538	-0.0010978	-0.17782	1.1488E-6
10.26060	51.65790	21.61000	0.034822	21.538	-0.0012979	-0.19685	1.2685E-6
12.82575	51.65790	21.61000	0.033933	21.538	-0.0015414	-0.21858	1.4045E-6
15.39090	51.65790	21.61000	0.031959	21.538	-0.0018397	-0.24351	1.5598E-6
17.95605	51.65790	21.61000	0.028457	21.538	-0.0022073	-0.27223	1.7377E-6
20.52120	51.65790	21.61000	0.022813	21.538	-0.0026634	-0.30547	1.9423E-6
23.08635	51.65790	21.61000	0.014163	21.538	-0.0032337	-0.34414	2.1788E-6
25.65150	51.65790	21.61000	0.0012806	21.538	-0.0039532	-0.38940	2.4535E-6
28.21665	51.65790	21.61000	-0.017600	21.538	-0.0048689	-0.44273	2.7744E-6
30.78180	51.65790	21.61000	-0.045058	21.538	-0.0060420	-0.50599	3.1516E-6
33.34695	51.65790	21.61000	-0.084940	21.538	-0.0075394	-0.58152	3.5982E-6
35.91210	51.65790	21.61000	-0.14313	21.538	-0.0093720	-0.67205	4.1318E-6
38.47725	51.65790	21.61000	-0.22895	21.538	-0.011175	-0.77980	4.7821E-6
41.04240	51.65790	21.61000	-0.35795	21.538	-0.010526	-0.90252	5.6317E-6
43.60755	51.65790	21.61000	-0.55824	21.538	0.0071345	-1.0164	7.1070E-6
46.17270	51.65790	21.61000	-0.88998	21.538	0.14208	-1.0053	12.464E-6
48.73785	51.65790	21.61000	-1.5455	21.538	1.1558	-0.58264	50.438E-6
51.30300	51.65790	21.61000	-3.1525	21.538	-12.511	-38.746	-243.69E-6
53.86815	51.65790	21.61000	-3.5175	21.538	-9.6471	-36.930	-140.58E-6
56.43330	51.65790	21.61000	-3.7669	21.538	-9.2161	-36.730	-124.57E-6
58.99845	51.65790	21.61000	-3.9643	21.538	-9.2080	-37.054	-122.07E-6
61.56360	51.65790	21.61000	-4.1104	21.538	-9.2409	-37.431	-120.87E-6
64.12875	51.65790	21.61000	-4.2103	21.538	-9.2458	-37.709	-119.20E-6
66.69390	51.65790	21.61000	-4.2668	21.538	-9.1240	-37.761	-113.95E-6
69.25905	51.65790	21.61000	-4.3046	21.538	-8.8434	-37.669	-103.26E-6
71.82420	51.65790	21.61000	-4.4406	21.538	-9.2030	-38.613	-111.41E-6
74.38935	51.65790	21.61000	-4.1234	21.538	-12.971	-43.762	-228.56E-6
76.95450	51.65790	21.61000	-5.3262	21.538	-17.870	-47.454	-401.00E-6
79.51965	51.65790	21.61000	-5.5348	21.538	-15.860	-43.166	-348.87E-6
82.08480	51.65790	21.61000	-5.7949	21.538	-16.715	-50.189	-336.15E-6
84.64995	51.65790	21.61000	-6.3033	21.538	-22.523	-56.012	-530.90E-6
87.21510	51.65790	21.61000	-6.5343	21.538	-26.963	-61.245	-674.52E-6
89.78025	51.65790	21.61000	-5.5522	21.538	-9.6055	-22.179	-237.88E-6
92.34540	51.65790	21.61000	-5.3475	21.538	-9.6479	-22.327	-238.59E-6
94.91055	51.65790	21.61000	-5.0744	21.538	-9.6212	-21.874	-240.56E-6
97.47570	51.65790	21.61000	-4.6096	21.538	-9.3084	-20.490	-237.25E-6
100.04085	51.65790	21.61000	-3.8089	21.538	-7.7890	-17.259	-197.76E-6
102.60600	51.65790	21.61000	-2.6501	21.538	-3.6897	-11.590	-70.771E-6
105.17115	51.65790	21.61000	-1.7621	21.538	-1.1595	-7.2494	1.9607E-6
107.73630	51.65790	21.61000	-1.2177	21.538	-0.48318	-4.9767	13.939E-6
110.30145	51.65790	21.61000	-0.85517	21.538	-0.26001	-3.6628	14.108E-6
112.86660	51.65790	21.61000	-0.60228	21.538	-0.15839	-2.8068	12.456E-6
115.43175	51.65790	21.61000	-0.42223	21.538	-0.10279	-2.2069	10.669E-6

117.99690	51.65790	21.61000	-0.29281	21.538	-0.069376	-1.7678	9.0678E-6
120.56205	51.65790	21.61000	-0.19935	21.538	-0.048191	-1.4370	7.7015E-6
123.12720	51.65790	21.61000	-0.13173	21.538	-0.034266	-1.1827	6.5559E-6
125.69235	51.65790	21.61000	-0.082821	21.538	-0.024855	-0.98398	5.6014E-6
128.25750	51.65790	21.61000	-0.047515	21.538	-0.018348	-0.82654	4.8070E-6
130.82265	51.65790	21.61000	-0.022139	21.538	-0.013758	-0.70033	4.1449E-6
133.38780	51.65790	21.61000	-0.0040297	21.538	-0.010464	-0.59808	3.5915E-6
135.95295	51.65790	21.61000	0.0087552	21.538	-0.0080609	-0.51446	3.1272E-6
138.51810	51.65790	21.61000	0.017635	21.538	-0.0062833	-0.44547	2.7359E-6
141.08325	51.65790	21.61000	0.023651	21.538	-0.0049510	-0.38811	2.4047E-6
143.64840	51.65790	21.61000	0.027571	21.538	-0.0039403	-0.34006	2.1230E-6
146.21355	51.65790	21.61000	0.029960	21.538	-0.0031650	-0.29953	1.8823E-6
148.77870	51.65790	21.61000	0.031236	21.538	-0.0025642	-0.26513	1.6756E-6
151.34385	51.65790	21.61000	0.031708	21.538	-0.0020941	-0.23575	1.4974E-6
153.90900	51.65790	21.61000	0.031607	21.538	-0.0017229	-0.21052	1.3431E-6 !
0.00000	54.11780	21.61000	0.032970	21.538	-728.67E-6	-0.13786	0.0
2.56515	54.11780	21.61000	0.033940	21.538	-854.47E-6	-0.15170	0.0
5.13030	54.11780	21.61000	0.034627	21.538	-0.0010064	-0.16740	1.0826E-6
7.69545	54.11780	21.61000	0.034891	21.538	-0.0011908	-0.18529	1.1952E-6
10.26060	54.11780	21.61000	0.034542	21.538	-0.0014159	-0.20574	1.3234E-6
12.82575	54.11780	21.61000	0.033318	21.538	-0.0016922	-0.22923	1.4698E-6
15.39090	54.11780	21.61000	0.030855	21.538	-0.0020336	-0.25631	1.6378E-6
17.95605	54.11780	21.61000	0.026643	21.538	-0.0024583	-0.28772	1.8314E-6
20.52120	54.11780	21.61000	0.019973	21.538	-0.0029913	-0.32433	2.0556E-6
23.08635	54.11780	21.61000	0.0098346	21.538	-0.0036671	-0.36729	2.3167E-6
25.65150	54.11780	21.61000	-0.0052191	21.538	-0.0045349	-0.41810	2.6226E-6
28.21665	54.11780	21.61000	-0.027294	21.538	-0.0056676	-0.47873	2.9838E-6
30.78180	54.11780	21.61000	-0.059516	21.538	-0.0071771	-0.55192	3.4141E-6
33.34695	54.11780	21.61000	-0.10663	21.538	-0.0092434	-0.64151	3.9320E-6
35.91210	54.11780	21.61000	-0.17610	21.538	-0.012163	-0.75315	4.5635E-6
38.47725	54.11780	21.61000	-0.28014	21.538	-0.016413	-0.89538	5.3467E-6
41.04240	54.11780	21.61000	-0.44014	21.538	-0.022529	-1.0814	6.3487E-6
43.60755	54.11780	21.61000	-0.69778	21.538	-0.029046	-1.3321	7.7682E-6
46.17270	54.11780	21.61000	-1.1547	21.538	-0.013205	-1.6940	10.834E-6
48.73785	54.11780	21.61000	-2.2788	21.538	0.20861	-3.4049	31.243E-6
51.30300	54.11780	21.61000	-4.1719	21.538	-16.698	-43.707	-378.95E-6
53.86815	54.11780	21.61000	-4.7603	21.538	-16.250	-43.995	-358.99E-6
56.43330	54.11780	21.61000	-5.2026	21.538	-16.455	-44.928	-360.97E-6
58.99845	54.11780	21.61000	-5.5305	21.538	-16.736	-45.906	-365.72E-6
61.56360	54.11780	21.61000	-5.7625	21.538	-16.916	-46.653	-367.97E-6
64.12875	54.11780	21.61000	-5.9128	21.538	-16.970	-47.064	-367.36E-6
66.69390	54.11780	21.61000	-5.9609	21.538	-16.397	-46.669	-346.97E-6
69.25905	54.11780	21.61000	-5.8514	21.538	-12.964	-44.400	-223.97E-6
71.82420	54.11780	21.61000	-5.8861	21.538	-10.454	-43.433	-129.43E-6
74.38935	54.11780	21.61000	-6.3625	21.538	-15.234	-47.393	-295.30E-6
76.95450	54.11780	21.61000	-7.0532	21.538	-21.647	-53.859	-510.05E-6
79.51965	54.11780	21.61000	-6.9621	21.538	-18.457	-43.762	-449.41E-6
82.08480	54.11780	21.61000	-7.4105	21.538	-18.667	-56.027	-375.57E-6

84.64995	54.11780	21.61000	-8.1310	21.538	-26.541	-63.671	-641.25E-6
87.21510	54.11780	21.61000	-8.6865	21.538	-32.998	-70.465	-855.60E-6
89.78025	54.11780	21.61000	-8.7516	21.538	-34.186	-72.719	-888.31E-6
92.34540	54.11780	21.61000	-8.6332	21.538	-34.390	-73.235	-893.07E-6
94.91055	54.11780	21.61000	-8.3380	21.538	-34.350	-72.749	-894.72E-6
97.47570	54.11780	21.61000	-7.7320	21.538	-33.840	-70.868	-886.78E-6
100.04085	54.11780	21.61000	-6.4678	21.538	-31.318	-65.884	-818.69E-6
102.60600	54.11780	21.61000	-3.2844	21.538	-6.1888	-11.404	-172.63E-6
105.17115	54.11780	21.61000	-2.2937	21.538	-1.8862	-9.6074	-11.472E-6
107.73630	54.11780	21.61000	-1.5637	21.538	-0.74181	-6.3051	12.441E-6
110.30145	54.11780	21.61000	-1.0798	21.538	-0.37922	-4.4791	14.786E-6
112.86660	54.11780	21.61000	-0.74979	21.538	-0.22004	-3.3372	13.532E-6
115.43175	54.11780	21.61000	-0.52016	21.538	-0.13673	-2.5643	11.701E-6
117.99690	54.11780	21.61000	-0.35840	21.538	-0.088926	-2.0153	9.9420E-6
120.56205	54.11780	21.61000	-0.24360	21.538	-0.059884	-1.6125	8.4082E-6
123.12720	54.11780	21.61000	-0.16174	21.538	-0.041491	-1.3096	7.1161E-6
125.69235	54.11780	21.61000	-0.10324	21.538	-0.029448	-1.0773	6.0423E-6
128.25750	54.11780	21.61000	-0.061423	21.538	-0.021342	-0.89620	5.1538E-6
130.82265	54.11780	21.61000	-0.031602	21.538	-0.015754	-0.75308	4.4185E-6
133.38780	54.11780	21.61000	-0.010441	21.538	-0.011821	-0.63855	3.8084E-6
135.95295	54.11780	21.61000	0.0044467	21.538	-0.0090008	-0.54587	3.3001E-6
138.51810	54.11780	21.61000	0.014779	21.538	-0.0069451	-0.47012	2.8746E-6
141.08325	54.11780	21.61000	0.021800	21.538	-0.0054240	-0.40765	2.5167E-6
143.64840	54.11780	21.61000	0.026414	21.538	-0.0042832	-0.35569	2.2140E-6
146.21355	54.11780	21.61000	0.029281	21.538	-0.0034168	-0.31214	1.9568E-6
148.77870	54.11780	21.61000	0.030885	21.538	-0.0027513	-0.27539	1.7370E-6
151.34385	54.11780	21.61000	0.031580	21.538	-0.0022347	-0.24417	1.5482E-6
153.90900	54.11780	21.61000	0.031627	21.538	-0.0018297	-0.21747	1.3855E-6 !
0.00000	56.57770	21.61000	0.033174	21.538	-777.20E-6	-0.14230	0.0
2.56515	56.57770	21.61000	0.034078	21.538	-915.54E-6	-0.15694	1.0161E-6
5.13030	56.57770	21.61000	0.034659	21.538	-0.0010837	-0.17361	1.1212E-6
7.69545	56.57770	21.61000	0.034764	21.538	-0.0012892	-0.19269	1.2409E-6
10.26060	56.57770	21.61000	0.034179	21.538	-0.0015419	-0.21460	1.3778E-6
12.82575	56.57770	21.61000	0.032609	21.538	-0.0018545	-0.23988	1.5348E-6
15.39090	56.57770	21.61000	0.029644	21.538	-0.0022441	-0.26921	1.7159E-6
17.95605	56.57770	21.61000	0.024711	21.538	-0.0027334	-0.30341	1.9257E-6
20.52120	56.57770	21.61000	0.017002	21.538	-0.0033539	-0.34356	2.1701E-6
23.08635	56.57770	21.61000	0.0053674	21.538	-0.0041501	-0.39105	2.4566E-6
25.65150	56.57770	21.61000	-0.011851	21.538	-0.0051874	-0.44771	2.7950E-6
28.21665	56.57770	21.61000	-0.037084	21.538	-0.0065675	-0.51609	3.1983E-6
30.78180	56.57770	21.61000	-0.073962	21.538	-0.0084593	-0.59983	3.6840E-6
33.34695	56.57770	21.61000	-0.12806	21.538	-0.011171	-0.70442	4.2765E-6
35.91210	56.57770	21.61000	-0.20821	21.538	-0.015333	-0.83873	5.0101E-6
38.47725	56.57770	21.61000	-0.32910	21.538	-0.022457	-1.0186	5.9299E-6
41.04240	56.57770	21.61000	-0.51670	21.538	-0.036979	-1.2758	7.0712E-6
43.60755	56.57770	21.61000	-0.82187	21.538	-0.075898	-1.6877	8.2682E-6
46.17270	56.57770	21.61000	-1.3622	21.538	-0.22923	-2.4963	7.5205E-6
48.73785	56.57770	21.61000	-2.5112	21.538	-1.0943	-4.9436	-10.885E-6

51.30300	56.57770	21.61000	-4.9077	21.538	-22.168	-48.996	-563.68E-6
53.86815	56.57770	21.61000	-6.0065	21.538	-24.736	-52.188	-645.64E-6
56.43330	56.57770	21.61000	-6.7085	21.538	-23.960	-52.510	-612.23E-6
58.99845	56.57770	21.61000	-7.2188	21.538	-25.960	-55.404	-673.35E-6
61.56360	56.57770	21.61000	-7.5591	21.538	-27.818	-58.635	-726.44E-6
64.12875	56.57770	21.61000	-7.7715	21.538	-28.058	-59.734	-728.74E-6
66.69390	56.57770	21.61000	-7.8708	21.538	-27.559	-59.445	-710.61E-6
69.25905	56.57770	21.61000	-7.8304	21.538	-24.267	-56.681	-596.62E-6
71.82420	56.57770	21.61000	-7.9434	21.538	-19.486	-52.883	-429.64E-6
74.38935	56.57770	21.61000	-8.4251	21.538	-25.349	-56.401	-642.06E-6
76.95450	56.57770	21.61000	-9.0592	21.538	-31.619	-65.336	-834.52E-6
79.51965	56.57770	21.61000	-9.1472	21.538	-33.389	-72.974	-854.49E-6
82.08480	56.57770	21.61000	-9.3307	21.538	-28.776	-67.870	-703.06E-6
84.64995	56.57770	21.61000	-9.7931	21.538	-32.306	-72.714	-812.67E-6
87.21510	56.57770	21.61000	-10.239	21.538	-36.080	-77.545	-932.18E-6
89.78025	56.57770	21.61000	-10.413	21.538	-37.154	-79.751	-960.60E-6
92.34540	56.57770	21.61000	-10.382	21.538	-37.538	-80.497	-971.05E-6
94.91055	56.57770	21.61000	-10.114	21.538	-37.577	-80.064	-975.52E-6
97.47570	56.57770	21.61000	-9.4412	21.538	-36.978	-77.877	-966.11E-6
100.04085	56.57770	21.61000	-7.9059	21.538	-34.119	-71.930	-890.90E-6
102.60600	56.57770	21.61000	-3.4115	21.538	-1.7980	19.383	-202.43E-6
105.17115	56.57770	21.61000	-2.9027	21.538	-2.7190	-12.134	-28.046E-6
107.73630	56.57770	21.61000	-1.9579	21.538	-1.0984	-7.8134	8.2058E-6
110.30145	56.57770	21.61000	-1.3308	21.538	-0.54456	-5.4051	14.343E-6
112.86660	56.57770	21.61000	-0.91136	21.538	-0.30169	-3.9267	14.201E-6
115.43175	56.57770	21.61000	-0.62546	21.538	-0.17943	-2.9522	12.585E-6
117.99690	56.57770	21.61000	-0.42784	21.538	-0.11244	-2.2781	10.758E-6
120.56205	56.57770	21.61000	-0.28982	21.538	-0.073430	-1.7950	9.0873E-6
123.12720	56.57770	21.61000	-0.19274	21.538	-0.049604	-1.4391	7.6589E-6
125.69235	56.57770	21.61000	-0.12413	21.538	-0.034473	-1.1711	6.4695E-6
128.25750	56.57770	21.61000	-0.075550	21.538	-0.024546	-0.96532	5.4886E-6
130.82265	56.57770	21.61000	-0.041158	21.538	-0.017850	-0.80481	4.6812E-6
133.38780	56.57770	21.61000	-0.016888	21.538	-0.013223	-0.67781	4.0154E-6
135.95295	56.57770	21.61000	123.15E-6	21.538	-0.0099576	-0.57606	3.4642E-6
138.51810	56.57770	21.61000	0.011912	21.538	-0.0076103	-0.49362	3.0055E-6
141.08325	56.57770	21.61000	0.019934	21.538	-0.0058942	-0.42613	2.6218E-6
143.64840	56.57770	21.61000	0.025236	21.538	-0.0046206	-0.37038	2.2990E-6
146.21355	56.57770	21.61000	0.028576	21.538	-0.0036624	-0.32394	2.0260E-6
148.77870	56.57770	21.61000	0.030503	21.538	-0.0029324	-0.28494	1.7937E-6
151.34385	56.57770	21.61000	0.031417	21.538	-0.0023698	-0.25196	1.5951E-6
153.90900	56.57770	21.61000	0.031611	21.538	-0.0019317	-0.22388	1.4243E-6 !
0.00000	59.03760	21.61000	0.033323	21.538	-826.94E-6	-0.14659	0.0
2.56515	59.03760	21.61000	0.034156	21.538	-978.63E-6	-0.16202	1.0477E-6
5.13030	59.03760	21.61000	0.034627	21.538	-0.0011642	-0.17968	1.1587E-6
7.69545	59.03760	21.61000	0.034567	21.538	-0.0013926	-0.19995	1.2855E-6
10.26060	59.03760	21.61000	0.033740	21.538	-0.0016755	-0.22334	1.4310E-6
12.82575	59.03760	21.61000	0.031819	21.538	-0.0020283	-0.25046	1.5988E-6
15.39090	59.03760	21.61000	0.028349	21.538	-0.0024717	-0.28208	1.7931E-6

17.95605	59.03760	21.61000	0.022695	21.538	-0.0030336	-0.31918	2.0194E-6
20.52120	59.03760	21.61000	0.013955	21.538	-0.0037531	-0.36300	2.2844E-6
23.08635	59.03760	21.61000	848.32E-6	21.538	-0.0046857	-0.41518	2.5970E-6
25.65150	59.03760	21.61000	-0.018478	21.538	-0.0059144	-0.47793	2.9685E-6
28.21665	59.03760	21.61000	-0.046742	21.538	-0.0075699	-0.55433	3.4145E-6
30.78180	59.03760	21.61000	-0.088012	21.538	-0.0098745	-0.64888	3.9561E-6
33.34695	59.03760	21.61000	-0.14853	21.538	-0.013248	-0.76852	4.6230E-6
35.91210	59.03760	21.61000	-0.23821	21.538	-0.018590	-0.92490	5.4572E-6
38.47725	59.03760	21.61000	-0.37342	21.538	-0.028178	-1.1396	6.5114E-6
41.04240	59.03760	21.61000	-0.58285	21.538	-0.049013	-1.4578	7.8081E-6
43.60755	59.03760	21.61000	-0.92106	21.538	-0.10833	-1.9919	9.0037E-6
46.17270	59.03760	21.61000	-1.5051	21.538	-0.34292	-3.0752	6.8281E-6
48.73785	59.03760	21.61000	-2.6401	21.538	-1.5473	-5.8627	-22.953E-6
51.30300	59.03760	21.61000	-5.3254	21.538	-23.580	-52.167	-599.24E-6
53.86815	59.03760	21.61000	-6.7601	21.538	-27.433	-57.987	-715.30E-6
56.43330	59.03760	21.61000	-7.7485	21.538	-30.588	-62.846	-809.70E-6
58.99845	59.03760	21.61000	-8.4609	21.538	-32.845	-66.566	-875.62E-6
61.56360	59.03760	21.61000	-8.9030	21.538	-33.496	-68.530	-888.63E-6
64.12875	59.03760	21.61000	-9.1842	21.538	-33.701	-69.592	-889.76E-6
66.69390	59.03760	21.61000	-9.3891	21.538	-33.822	-70.257	-890.19E-6
69.25905	59.03760	21.61000	-9.6065	21.538	-34.188	-70.952	-900.25E-6
71.82420	59.03760	21.61000	-10.004	21.538	-36.276	-72.782	-972.00E-6
74.38935	59.03760	21.61000	-10.858	21.538	-40.142	-81.003	-0.0010725
76.95450	59.03760	21.61000	-10.933	21.538	-41.951	-77.076	-0.0011717
79.51965	59.03760	21.61000	-10.921	21.538	-41.367	-75.857	-0.0011563
82.08480	59.03760	21.61000	-11.078	21.538	-39.323	-79.739	-0.0010480
84.64995	59.03760	21.61000	-11.202	21.538	-38.016	-81.126	-986.08E-6
87.21510	59.03760	21.61000	-11.429	21.538	-38.900	-83.413	-0.0010063
89.78025	59.03760	21.61000	-11.618	21.538	-40.068	-85.375	-0.0010402
92.34540	59.03760	21.61000	-11.697	21.538	-40.949	-86.530	-0.0010679
94.91055	59.03760	21.61000	-11.526	21.538	-41.286	-86.376	-0.0010825
97.47570	59.03760	21.61000	-10.886	21.538	-40.700	-84.085	-0.0010743
100.04085	59.03760	21.61000	-9.3588	21.538	-37.537	-77.748	-989.47E-6
102.60600	59.03760	21.61000	-5.5883	21.538	-9.8478	-14.915	-296.37E-6
105.17115	59.03760	21.61000	-3.6676	21.538	-3.9746	-15.065	-58.923E-6
107.73630	59.03760	21.61000	-2.4028	21.538	-1.6262	-9.5249	-1.5565E-6
110.30145	59.03760	21.61000	-1.6025	21.538	-0.77146	-6.4304	12.088E-6
112.86660	59.03760	21.61000	-1.0814	21.538	-0.40586	-4.5613	14.266E-6
115.43175	59.03760	21.61000	-0.73411	21.538	-0.23083	-3.3591	13.245E-6
117.99690	59.03760	21.61000	-0.49837	21.538	-0.13950	-2.5475	11.476E-6
120.56205	59.03760	21.61000	-0.33619	21.538	-0.088480	-1.9785	9.7128E-6
123.12720	59.03760	21.61000	-0.22351	21.538	-0.058363	-1.5673	8.1660E-6
125.69235	59.03760	21.61000	-0.14470	21.538	-0.039770	-1.2625	6.8696E-6
128.25750	59.03760	21.61000	-0.089359	21.538	-0.027855	-1.0318	5.8015E-6
130.82265	59.03760	21.61000	-0.050445	21.538	-0.019976	-0.85400	4.9257E-6
133.38780	59.03760	21.61000	-0.023129	21.538	-0.014624	-0.71478	4.2071E-6
135.95295	59.03760	21.61000	-0.0040518	21.538	-0.010901	-0.60424	3.6153E-6
138.51810	59.03760	21.61000	0.0091447	21.538	-0.0082587	-0.51538	3.1254E-6

141.08325	59.03760	21.61000	0.018129	21.538	-0.0063478	-0.44314	2.7177E-6
143.64840	59.03760	21.61000	0.024089	21.538	-0.0049432	-0.38382	2.3762E-6
146.21355	59.03760	21.61000	0.027879	21.538	-0.0038953	-0.33466	2.0886E-6
148.77870	59.03760	21.61000	0.030113	21.538	-0.0031028	-0.29358	1.8448E-6
151.34385	59.03760	21.61000	0.031235	21.538	-0.0024961	-0.25898	1.6371E-6
153.90900	59.03760	21.61000	0.031569	21.538	-0.0020264	-0.22964	1.4591E-6 !
0.00000	61.49750	21.61000	0.033419	21.538	-877.48E-6	-0.15068	0.0
2.56515	61.49750	21.61000	0.034176	21.538	-0.0010432	-0.16690	1.0778E-6
5.13030	61.49750	21.61000	0.034534	21.538	-0.0012474	-0.18552	1.1945E-6
7.69545	61.49750	21.61000	0.034307	21.538	-0.0015004	-0.20699	1.3284E-6
10.26060	61.49750	21.61000	0.033236	21.538	-0.0018162	-0.23186	1.4826E-6
12.82575	61.49750	21.61000	0.030964	21.538	-0.0022132	-0.26084	1.6610E-6
15.39090	61.49750	21.61000	0.026994	21.538	-0.0027165	-0.29480	1.8686E-6
17.95605	61.49750	21.61000	0.020628	21.538	-0.0033600	-0.33486	2.1114E-6
20.52120	61.49750	21.61000	0.010880	21.538	-0.0041915	-0.38244	2.3972E-6
23.08635	61.49750	21.61000	-0.0036526	21.538	-0.0052790	-0.43946	2.7360E-6
25.65150	61.49750	21.61000	-0.024995	21.538	-0.0067241	-0.50846	3.1408E-6
28.21665	61.49750	21.61000	-0.056112	21.538	-0.0086856	-0.59304	3.6293E-6
30.78180	61.49750	21.61000	-0.10143	21.538	-0.011431	-0.69840	4.2257E-6
33.34695	61.49750	21.61000	-0.16769	21.538	-0.015455	-0.83261	4.9642E-6
35.91210	61.49750	21.61000	-0.26553	21.538	-0.021797	-1.0091	5.8927E-6
38.47725	61.49750	21.61000	-0.41229	21.538	-0.032981	-1.2521	7.0733E-6
41.04240	61.49750	21.61000	-0.63777	21.538	-0.056314	-1.6114	8.5445E-6
43.60755	61.49750	21.61000	-0.99698	21.538	-0.11778	-2.2024	10.035E-6
46.17270	61.49750	21.61000	-1.6044	21.538	-0.33474	-3.3402	8.9352E-6
48.73785	61.49750	21.61000	-2.7646	21.538	-1.3445	-6.0622	-13.451E-6
51.30300	61.49750	21.61000	-5.4770	21.538	-22.655	-52.076	-562.62E-6
53.86815	61.49750	21.61000	-7.0010	21.538	-26.321	-669.08E-6	-669.08E-6
56.43330	61.49750	21.61000	-8.1970	21.538	-30.723	-64.667	-802.94E-6
58.99845	61.49750	21.61000	-9.1053	21.538	-34.165	-69.959	-905.96E-6
61.56360	61.49750	21.61000	-9.6507	21.538	-35.138	-72.624	-927.25E-6
64.12875	61.49750	21.61000	-9.9847	21.538	-35.441	-74.005	-930.20E-6
66.69390	61.49750	21.61000	-10.248	21.538	-35.834	-75.144	-938.38E-6
69.25905	61.49750	21.61000	-10.574	21.538	-37.118	-76.900	-978.29E-6
71.82420	61.49750	21.61000	-11.058	21.538	-40.331	-79.720	-0.0010887
74.38935	61.49750	21.61000	-11.627	21.538	-44.548	-83.398	-0.0012338
76.95450	61.49750	21.61000	-11.969	21.538	-46.507	-83.456	-0.0013123
79.51965	61.49750	21.61000	-12.258	21.538	-46.194	-89.880	-0.0012566
82.08480	61.49750	21.61000	-12.081	21.538	-42.998	-85.580	-0.0011568
84.64995	61.49750	21.61000	-12.108	21.538	-40.932	-86.044	-0.0010705
87.21510	61.49750	21.61000	-12.235	21.538	-42.104	-87.701	-0.0011065
89.78025	61.49750	21.61000	-12.348	21.538	-44.291	-89.508	-0.0011825
92.34540	61.49750	21.61000	-12.697	21.538	-46.289	-91.748	-0.0012479
94.91055	61.49750	21.61000	-12.854	21.538	-47.216	-92.650	-0.0012791
97.47570	61.49750	21.61000	-12.462	21.538	-46.668	-90.835	-0.0012692
100.04085	61.49750	21.61000	-11.125	21.538	-42.858	-84.631	-0.0011575
102.60600	61.49750	21.61000	-7.1624	21.538	-14.591	-25.723	-414.78E-6
105.17115	61.49750	21.61000	-4.5067	21.538	-5.9161	-18.356	-115.01E-6

107.73630	61.49750	21.61000	-2.8745	21.538	-2.3686	-11.408	-18.809E-6
110.30145	61.49750	21.61000	-1.8800	21.538	-1.0605	-7.5178	7.7495E-6
112.86660	61.49750	21.61000	-1.2508	21.538	-0.52931	-5.2137	13.673E-6
115.43175	61.49750	21.61000	-0.84041	21.538	-0.28873	-3.7669	13.650E-6
117.99690	61.49750	21.61000	-0.56646	21.538	-0.16886	-2.8119	12.068E-6
120.56205	61.49750	21.61000	-0.38047	21.538	-0.10433	-2.1554	10.261E-6
123.12720	61.49750	21.61000	-0.25263	21.538	-0.067368	-1.6889	8.6193E-6
125.69235	61.49750	21.61000	-0.16401	21.538	-0.045104	-1.3481	7.2290E-6
128.25750	61.49750	21.61000	-0.10224	21.538	-0.031129	-1.0933	6.0822E-6
130.82265	61.49750	21.61000	-0.059065	21.538	-0.022048	-0.89902	5.1443E-6
133.38780	61.49750	21.61000	-0.028899	21.538	-0.015970	-0.74830	4.3778E-6
135.95295	61.49750	21.61000	-0.0079025	21.538	-0.011797	-0.62958	3.7492E-6
138.51810	61.49750	21.61000	0.0065936	21.538	-0.0088677	-0.53481	3.2313E-6
141.08325	61.49750	21.61000	0.016461	21.538	-0.0067698	-0.45823	2.8019E-6
143.64840	61.49750	21.61000	0.023024	21.538	-0.0052408	-0.39568	2.4438E-6
146.21355	61.49750	21.61000	0.027225	21.538	-0.0041084	-0.34408	2.1432E-6
148.77870	61.49750	21.61000	0.029738	21.538	-0.0032578	-0.30113	1.8893E-6
151.34385	61.49750	21.61000	0.031049	21.538	-0.0026104	-0.26510	1.6736E-6
153.90900	61.49750	21.61000	0.031510	21.538	-0.0021117	-0.23463	1.4892E-6 !
0.00000	63.95740	21.61000	0.033462	21.538	-928.27E-6	-0.15453	0.0
2.56515	63.95740	21.61000	0.034143	21.538	-0.0011088	-0.17152	1.1061E-6
5.13030	63.95740	21.61000	0.034386	21.538	-0.0013325	-0.19108	1.2284E-6
7.69545	63.95740	21.61000	0.033991	21.538	-0.0016118	-0.21373	1.3691E-6
10.26060	63.95740	21.61000	0.032678	21.538	-0.0019632	-0.24008	1.5318E-6
12.82575	63.95740	21.61000	0.030060	21.538	-0.0024086	-0.27092	1.7207E-6
15.39090	63.95740	21.61000	0.025599	21.538	-0.0029782	-0.30723	1.9415E-6
17.95605	63.95740	21.61000	0.018539	21.538	-0.0037133	-0.35029	2.2007E-6
20.52120	63.95740	21.61000	0.0078163	21.538	-0.0046718	-0.40172	2.5072E-6
23.08635	63.95740	21.61000	-0.0080844	21.538	-0.0059368	-0.46368	2.8720E-6
25.65150	63.95740	21.61000	-0.031340	21.538	-0.0076303	-0.53909	3.3098E-6
28.21665	63.95740	21.61000	-0.065123	21.538	-0.0099404	-0.63198	3.8400E-6
30.78180	63.95740	21.61000	-0.11414	21.538	-0.013173	-0.74816	4.4894E-6
33.34695	63.95740	21.61000	-0.18550	21.538	-0.017870	-0.89643	5.2952E-6
35.91210	63.95740	21.61000	-0.29029	21.538	-0.025092	-1.0910	6.3095E-6
38.47725	63.95740	21.61000	-0.44631	21.538	-0.037199	-1.3563	7.6027E-6
41.04240	63.95740	21.61000	-0.68353	21.538	-0.060255	-1.7393	9.2443E-6
43.60755	63.95740	21.61000	-1.0559	21.538	-0.11252	-2.3385	11.161E-6
46.17270	63.95740	21.61000	-1.6722	21.538	-0.25908	-3.3891	12.309E-6
48.73785	63.95740	21.61000	-2.8187	21.538	-0.75144	-5.5948	7.2873E-6
51.30300	63.95740	21.61000	-5.4283	21.538	-19.927	-50.153	-465.68E-6
53.86815	63.95740	21.61000	-6.9210	21.538	-22.480	-55.690	-531.32E-6
56.43330	63.95740	21.61000	-8.2998	21.538	-28.836	-63.848	-732.45E-6
58.99845	63.95740	21.61000	-9.4019	21.538	-34.124	-70.914	-897.90E-6
61.56360	63.95740	21.61000	-10.024	21.538	-35.454	-74.169	-929.64E-6
64.12875	63.95740	21.61000	-10.362	21.538	-35.752	-75.567	-932.25E-6
66.69390	63.95740	21.61000	-10.598	21.538	-36.073	-76.551	-938.55E-6
69.25905	63.95740	21.61000	-10.900	21.538	-37.400	-78.281	-980.39E-6
71.82420	63.95740	21.61000	-11.333	21.538	-40.705	-81.087	-0.0010946

74.38935	63.95740	21.61000	-11.491	21.538	-44.568	-77.921	-0.0012713
76.95450	63.95740	21.61000	-12.148	21.538	-46.813	-84.314	-0.0013188
79.51965	63.95740	21.61000	-12.295	21.538	-46.121	-85.647	-0.0012820
82.08480	63.95740	21.61000	-12.337	21.538	-43.502	-86.367	-0.0011718
84.64995	63.95740	21.61000	-12.506	21.538	-42.333	-87.433	-0.0011175
87.21510	63.95740	21.61000	-13.125	21.538	-45.021	-94.644	-0.0011774
89.78025	63.95740	21.61000	-13.125	21.538	-48.261	-92.218	-0.0013241
92.34540	63.95740	21.61000	-13.767	21.538	-51.704	-96.189	-0.0014361
94.91055	63.95740	21.61000	-14.083	21.538	-53.128	-97.946	-0.0014816
97.47570	63.95740	21.61000	-13.714	21.538	-52.330	-96.028	-0.0014623
100.04085	63.95740	21.61000	-12.387	21.538	-47.522	-89.202	-0.0013146
102.60600	63.95740	21.61000	-9.5665	21.538	-22.924	-67.439	-470.35E-6
105.17115	63.95740	21.61000	-5.3253	21.538	-8.1544	-21.662	-182.93E-6
107.73630	63.95740	21.61000	-3.3222	21.538	-3.2164	-13.295	-40.277E-6
110.30145	63.95740	21.61000	-2.1391	21.538	-1.3774	-8.5851	2.1534E-6
112.86660	63.95740	21.61000	-1.4070	21.538	-0.66010	-5.8405	12.613E-6
115.43175	63.95740	21.61000	-0.93744	21.538	-0.34841	-4.1512	13.827E-6
117.99690	63.95740	21.61000	-0.62803	21.538	-0.19842	-3.0568	12.522E-6
120.56205	63.95740	21.61000	-0.42016	21.538	-0.11996	-2.3167	10.715E-6
123.12720	63.95740	21.61000	-0.27854	21.538	-0.076082	-1.7982	9.0020E-6
125.69235	63.95740	21.61000	-0.18108	21.538	-0.050180	-1.4240	7.5344E-6
128.25750	63.95740	21.61000	-0.11356	21.538	-0.034197	-1.1473	6.3209E-6
130.82265	63.95740	21.61000	-0.066604	21.538	-0.023963	-0.93816	5.3298E-6
133.38780	63.95740	21.61000	-0.033928	21.538	-0.017200	-0.77719	4.5221E-6
135.95295	63.95740	21.61000	-0.011252	21.538	-0.012607	-0.65126	3.8621E-6
138.51810	63.95740	21.61000	0.0043757	21.538	-0.0094128	-0.55132	3.3201E-6
141.08325	63.95740	21.61000	0.015009	21.538	-0.0071443	-0.47097	2.8724E-6
143.64840	63.95740	21.61000	0.022092	21.538	-0.0055028	-0.40564	2.5001E-6
146.21355	63.95740	21.61000	0.026647	21.538	-0.0042950	-0.35196	2.1885E-6
148.77870	63.95740	21.61000	0.029400	21.538	-0.0033926	-0.30743	1.9261E-6
151.34385	63.95740	21.61000	0.030874	21.538	-0.0027092	-0.27018	1.7037E-6
153.90900	63.95740	21.61000	0.031443	21.538	-0.0021850	-0.23877	1.5140E-6 !
0.00000	66.41730	21.61000	0.033455	21.538	-978.67E-6	-0.15809	1.0213E-6
2.56515	66.41730	21.61000	0.034058	21.538	-0.0011744	-0.17581	1.1323E-6
5.13030	66.41730	21.61000	0.034188	21.538	-0.0014186	-0.19628	1.2598E-6
7.69545	66.41730	21.61000	0.033270	21.538	-0.0017257	-0.22007	1.4071E-6
10.26060	66.41730	21.61000	0.032078	21.538	-0.0021151	-0.24787	1.5779E-6
12.82575	66.41730	21.61000	0.029124	21.538	-0.0026132	-0.28055	1.7771E-6
15.39090	66.41730	21.61000	0.024187	21.538	-0.0032560	-0.31921	2.0107E-6
17.95605	66.41730	21.61000	0.016458	21.538	-0.0040937	-0.36529	2.2861E-6
20.52120	66.41730	21.61000	0.0047978	21.538	-0.0051970	-0.42062	2.6129E-6
23.08635	66.41730	21.61000	-0.012411	21.538	-0.0066671	-0.48765	3.0034E-6
25.65150	66.41730	21.61000	-0.037482	21.538	-0.0086520	-0.56964	3.4736E-6
28.21665	66.41730	21.61000	-0.073770	21.538	-0.011375	-0.67108	4.0446E-6
30.78180	66.41730	21.61000	-0.12621	21.538	-0.015186	-0.79832	4.7449E-6
33.34695	66.41730	21.61000	-0.20220	21.538	-0.020668	-0.96070	5.6137E-6
35.91210	66.41730	21.61000	-0.31310	21.538	-0.028867	-1.1726	6.7055E-6
38.47725	66.41730	21.61000	-0.47695	21.538	-0.041854	-1.4577	8.0954E-6

41.04240	66.41730	21.61000	-0.72366	21.538	-0.064192	-1.8575	9.8788E-6
43.60755	66.41730	21.61000	-1.1063	21.538	-0.10697	-2.4517	12.143E-6
46.17270	66.41730	21.61000	-1.7315	21.538	-0.19815	-3.4117	14.914E-6
48.73785	66.41730	21.61000	-2.8872	21.538	-0.39589	-5.2786	19.479E-6
51.30300	66.41730	21.61000	-5.4251	21.538	-18.667	-48.993	-422.74E-6
53.86815	66.41730	21.61000	-6.8664	21.538	-20.750	-54.143	-472.04E-6
56.43330	66.41730	21.61000	-8.3300	21.538	-27.858	-63.103	-698.08E-6
58.99845	66.41730	21.61000	-9.5469	21.538	-33.942	-71.084	-889.45E-6
61.56360	66.41730	21.61000	-10.192	21.538	-35.402	-74.507	-925.27E-6
64.12875	66.41730	21.61000	-10.454	21.538	-35.348	-75.330	-917.55E-6
66.69390	66.41730	21.61000	-10.502	21.538	-34.720	-74.956	-894.78E-6
69.25905	66.41730	21.61000	-10.674	21.538	-35.528	-75.770	-921.85E-6
71.82420	66.41730	21.61000	-10.992	21.538	-38.453	-77.971	-0.0010248
74.38935	66.41730	21.61000	-10.675	21.538	-40.411	-62.732	-0.0012059
76.95450	66.41730	21.61000	-11.591	21.538	-43.133	-79.921	-0.0012002
79.51965	66.41730	21.61000	-11.733	21.538	-42.280	-80.966	-0.0011588
82.08480	66.41730	21.61000	-11.794	21.538	-40.127	-81.250	-0.0010702
84.64995	66.41730	21.61000	-12.185	21.538	-39.984	-83.306	-0.0010507
87.21510	66.41730	21.61000	-13.203	21.538	-45.604	-93.807	-0.0012065
89.78025	66.41730	21.61000	-14.157	21.538	-52.133	-95.700	-0.0014566
92.34540	66.41730	21.61000	-14.952	21.538	-57.285	-101.33	-0.0016263
94.91055	66.41730	21.61000	-15.146	21.538	-58.970	-103.23	-0.0016813
97.47570	66.41730	21.61000	-14.582	21.538	-57.787	-100.80	-0.0016500
100.04085	66.41730	21.61000	-13.117	21.538	-52.095	-93.138	-0.0014722
102.60600	66.41730	21.61000	-11.976	21.538	-119.12	-216.94	-0.0033398
105.17115	66.41730	21.61000	-5.9581	21.538	-10.027	-24.516	-239.16E-6
107.73630	66.41730	21.61000	-3.6834	21.538	-3.9661	-14.949	-59.361E-6
110.30145	66.41730	21.61000	-2.3532	21.538	-1.6681	-9.5269	-3.2313E-6
112.86660	66.41730	21.61000	-1.5371	21.538	-0.78164	-6.3908	11.413E-6
115.43175	66.41730	21.61000	-1.0182	21.538	-0.40378	-4.4850	13.837E-6
117.99690	66.41730	21.61000	-0.67900	21.538	-0.22561	-3.2667	12.835E-6
120.56205	66.41730	21.61000	-0.45282	21.538	-0.13417	-2.4531	11.058E-6
123.12720	66.41730	21.61000	-0.29972	21.538	-0.083896	-1.8894	9.2994E-6
125.69235	66.41730	21.61000	-0.19495	21.538	-0.054670	-1.4867	7.7738E-6
128.25750	66.41730	21.61000	-0.12271	21.538	-0.036877	-1.1913	6.5085E-6
130.82265	66.41730	21.61000	-0.072671	21.538	-0.025616	-0.96978	5.4754E-6
133.38780	66.41730	21.61000	-0.037963	21.538	-0.018250	-0.80033	4.6351E-6
135.95295	66.41730	21.61000	-0.013935	21.538	-0.013291	-0.66850	3.9502E-6
138.51810	66.41730	21.61000	0.0025995	21.538	-0.0098697	-0.56436	3.3892E-6
141.08325	66.41730	21.61000	0.013844	21.538	-0.0074559	-0.48099	2.9270E-6
143.64840	66.41730	21.61000	0.021341	21.538	-0.0057194	-0.41343	2.5437E-6
146.21355	66.41730	21.61000	0.026176	21.538	-0.0044481	-0.35810	2.2235E-6
148.77870	66.41730	21.61000	0.029119	21.538	-0.0035027	-0.31232	1.9545E-6
151.34385	66.41730	21.61000	0.030722	21.538	-0.0027895	-0.27411	1.7268E-6
153.90900	66.41730	21.61000	0.031378	21.538	-0.0022444	-0.24196	1.5331E-6 !
0.00000	68.87720	21.61000	0.033402	21.538	-0.0010279	-0.16131	1.0409E-6
2.56515	68.87720	21.61000	0.033928	21.538	-0.0012391	-0.17971	1.1559E-6
5.13030	68.87720	21.61000	0.033946	21.538	-0.0015043	-0.20105	1.2884E-6

7.69545	68.87720	21.61000	0.033226	21.538	-0.0018405	-0.22594	1.4418E-6
10.26060	68.87720	21.61000	0.031449	21.538	-0.0022702	-0.25513	1.6204E-6
12.82575	68.87720	21.61000	0.028173	21.538	-0.0028248	-0.28960	1.8293E-6
15.39090	68.87720	21.61000	0.022782	21.538	-0.0035477	-0.33058	2.0752E-6
17.95605	68.87720	21.61000	0.014413	21.538	-0.0044999	-0.37967	2.3662E-6
20.52120	68.87720	21.61000	0.0018571	21.538	-0.0057680	-0.43894	2.7128E-6
23.08635	68.87720	21.61000	-0.016601	21.538	-0.0074771	-0.51114	3.1285E-6
25.65150	68.87720	21.61000	-0.043407	21.538	-0.0098101	-0.59994	3.6304E-6
28.21665	68.87720	21.61000	-0.082085	21.538	-0.013040	-0.71035	4.2411E-6
30.78180	68.87720	21.61000	-0.13778	21.538	-0.017582	-0.84932	4.9906E-6
33.34695	68.87720	21.61000	-0.21815	21.538	-0.024097	-1.0268	5.9190E-6
35.91210	68.87720	21.61000	-0.33481	21.538	-0.033671	-1.2574	7.0813E-6
38.47725	68.87720	21.61000	-0.50599	21.538	-0.048224	-1.5642	8.5533E-6
41.04240	68.87720	21.61000	-0.76165	21.538	-0.071390	-1.9846	10.442E-6
43.60755	68.87720	21.61000	-1.1550	21.538	-0.11051	-2.5866	12.906E-6
46.17270	68.87720	21.61000	-1.7958	21.538	-0.18017	-3.5173	16.347E-6
48.73785	68.87720	21.61000	-3.0271	21.538	-0.30466	-5.5801	25.175E-6
51.30300	68.87720	21.61000	-5.6083	21.538	-18.431	-49.431	-410.32E-6
53.86815	68.87720	21.61000	-6.8257	21.538	-20.425	-53.384	-464.08E-6
56.43330	68.87720	21.61000	-8.2868	21.538	-27.621	-62.451	-692.93E-6
58.99845	68.87720	21.61000	-9.7138	21.538	-33.851	-71.482	-883.12E-6
61.56360	68.87720	21.61000	-10.314	21.538	-35.227	-74.691	-916.98E-6
64.12875	68.87720	21.61000	-10.340	21.538	-34.215	-73.801	-882.21E-6
66.69390	68.87720	21.61000	-10.023	21.538	-30.194	-70.153	-744.83E-6
69.25905	68.87720	21.61000	-9.8381	21.538	-28.603	-64.576	-718.20E-6
71.82420	68.87720	21.61000	-10.090	21.538	-31.118	-69.779	-784.52E-6
74.38935	68.87720	21.61000	-10.246	21.538	-33.415	-70.553	-871.82E-6
76.95450	68.87720	21.61000	-10.413	21.538	-34.024	-70.521	-896.51E-6
79.51965	68.87720	21.61000	-10.246	21.538	-31.341	-68.549	-801.77E-6
82.08480	68.87720	21.61000	-10.267	21.538	-27.448	-67.646	-651.08E-6
84.64995	68.87720	21.61000	-10.906	21.538	-28.009	-70.788	-652.61E-6
87.21510	68.87720	21.61000	-12.409	21.538	-37.855	-78.485	-997.33E-6
89.78025	68.87720	21.61000	-14.303	21.538	-52.721	-95.089	-0.0014844
92.34540	68.87720	21.61000	-15.482	21.538	-60.124	-103.91	-0.0017232
94.91055	68.87720	21.61000	-15.783	21.538	-62.179	-106.84	-0.0017863
97.47570	68.87720	21.61000	-15.198	21.538	-60.885	-104.57	-0.0017495
100.04085	68.87720	21.61000	-13.619	21.538	-54.895	-96.572	-0.0015619
102.60600	68.87720	21.61000	-11.515	21.538	-69.551	-147.42	-0.0018108
105.17115	68.87720	21.61000	-6.2838	21.538	-11.307	-26.552	-277.01E-6
107.73630	68.87720	21.61000	-3.9209	21.538	-4.5223	-16.211	-73.286E-6
110.30145	68.87720	21.61000	-2.5045	21.538	-1.8979	-10.260	-7.5622E-6
112.86660	68.87720	21.61000	-1.6312	21.538	-0.88091	-6.8201	10.296E-6
115.43175	68.87720	21.61000	-1.0767	21.538	-0.44951	-4.7431	13.728E-6
117.99690	68.87720	21.61000	-0.71585	21.538	-0.24803	-3.4269	13.008E-6
120.56205	68.87720	21.61000	-0.47628	21.538	-0.14578	-2.5557	11.278E-6
123.12720	68.87720	21.61000	-0.31482	21.538	-0.090210	-1.9570	9.4991E-6
125.69235	68.87720	21.61000	-0.20477	21.538	-0.058255	-1.5325	7.9371E-6
128.25750	68.87720	21.61000	-0.12915	21.538	-0.038991	-1.2232	6.6371E-6

130.82265	68.87720	21.61000	-0.076925	21.538	-0.026906	-0.99241	5.5754E-6
133.38780	68.87720	21.61000	-0.040784	21.538	-0.019061	-0.81676	4.7127E-6
135.95295	68.87720	21.61000	-0.015808	21.538	-0.013815	-0.68064	4.0105E-6
138.51810	68.87720	21.61000	0.0013573	21.538	-0.010217	-0.57349	3.4365E-6
141.08325	68.87720	21.61000	0.013026	21.538	-0.0076906	-0.48796	2.9643E-6
143.64840	68.87720	21.61000	0.020809	21.538	-0.0058815	-0.41883	2.5733E-6
146.21355	68.87720	21.61000	0.025838	21.538	-0.0045622	-0.36233	2.2473E-6
148.77870	68.87720	21.61000	0.028913	21.538	-0.0035843	-0.31568	1.9737E-6
151.34385	68.87720	21.61000	0.030604	21.538	-0.0028487	-0.27680	1.7425E-6
153.90900	68.87720	21.61000	0.031320	21.538	-0.0022881	-0.24414	1.5460E-6 !
0.00000	71.33710	21.61000	0.033305	21.538	-0.0010751	-0.16413	1.0579E-6
2.56515	71.33710	21.61000	0.033757	21.538	-0.0013017	-0.18317	1.1765E-6
5.13030	71.33710	21.61000	0.033669	21.538	-0.0015883	-0.20531	1.3135E-6
7.69545	71.33710	21.61000	0.032798	21.538	-0.0019542	-0.23121	1.4726E-6
10.26060	71.33710	21.61000	0.030807	21.538	-0.0024259	-0.26173	1.6584E-6
12.82575	71.33710	21.61000	0.027229	21.538	-0.0030405	-0.29791	1.8764E-6
15.39090	71.33710	21.61000	0.021409	21.538	-0.0038498	-0.34114	2.1339E-6
17.95605	71.33710	21.61000	0.012438	21.538	-0.0049283	-0.39320	2.4397E-6
20.52120	71.33710	21.61000	-966.56E-6	21.538	-0.0063828	-0.45641	2.8053E-6
23.08635	71.33710	21.61000	-0.020616	21.538	-0.0083700	-0.53389	3.2452E-6
25.65150	71.33710	21.61000	-0.049089	21.538	-0.011121	-0.62979	3.7779E-6
28.21665	71.33710	21.61000	-0.090089	21.538	-0.014983	-0.74976	4.4273E-6
30.78180	71.33710	21.61000	-0.14899	21.538	-0.020484	-0.90157	5.2244E-6
33.34695	71.33710	21.61000	-0.23373	21.538	-0.028439	-1.0961	6.2096E-6
35.91210	71.33710	21.61000	-0.35626	21.538	-0.040134	-1.3491	7.4363E-6
38.47725	71.33710	21.61000	-0.53510	21.538	-0.057655	-1.6839	8.9768E-6
41.04240	71.33710	21.61000	-0.80045	21.538	-0.084526	-2.1368	10.934E-6
43.60755	71.33710	21.61000	-1.2057	21.538	-0.12702	-2.7711	13.479E-6
46.17270	71.33710	21.61000	-1.8622	21.538	-0.19641	-3.7255	17.089E-6
48.73785	71.33710	21.61000	-3.1237	21.538	-0.31212	-5.8510	26.692E-6
51.30300	71.33710	21.61000	-5.6372	21.538	-18.416	-49.164	-411.48E-6
53.86815	71.33710	21.61000	-6.9533	21.538	-20.398	-53.899	-459.51E-6
56.43330	71.33710	21.61000	-8.4483	21.538	-27.582	-63.084	-687.10E-6
58.99845	71.33710	21.61000	-9.7412	21.538	-33.825	-71.354	-882.93E-6
61.56360	71.33710	21.61000	-10.255	21.538	-35.066	-74.051	-914.81E-6
64.12875	71.33710	21.61000	-10.146	21.538	-33.300	-72.159	-856.40E-6
66.69390	71.33710	21.61000	-9.5837	21.538	-26.724	-66.020	-632.87E-6
69.25905	71.33710	21.61000	-9.1409	21.538	-22.865	-61.589	-507.23E-6
71.82420	71.33710	21.61000	-9.0456	21.538	-23.092	-60.757	-521.96E-6
74.38935	71.33710	21.61000	-9.0809	21.538	-24.264	-60.896	-568.21E-6
76.95450	71.33710	21.61000	-9.0167	21.538	-24.290	-59.977	-575.42E-6
79.51965	71.33710	21.61000	-8.5113	21.538	-19.511	-53.913	-423.72E-6
82.08480	71.33710	21.61000	-7.7323	21.538	21.024	12.193	764.54E-6
84.64995	71.33710	21.61000	-9.4553	21.538	-16.793	-57.995	-286.93E-6
87.21510	71.33710	21.61000	-11.621	21.538	-31.654	-71.535	-794.32E-6
89.78025	71.33710	21.61000	-14.077	21.538	-51.615	-92.848	-0.0014549
92.34540	71.33710	21.61000	-15.583	21.538	-60.895	-104.43	-0.0017508
94.91055	71.33710	21.61000	-16.023	21.538	-63.371	-108.40	-0.0018238

97.47570	71.33710	21.61000	-15.466	21.538	-62.170	-106.48	-0.0017883
100.04085	71.33710	21.61000	-13.787	21.538	-56.258	-98.434	-0.0016043
102.60600	71.33710	21.61000	-10.636	21.538	-43.639	-85.086	-0.0011859
105.17115	71.33710	21.61000	-6.3909	21.538	-12.162	-27.809	-303.01E-6
107.73630	71.33710	21.61000	-4.0441	21.538	-4.9088	-17.038	-83.296E-6
110.30145	71.33710	21.61000	-2.5887	21.538	-2.0608	-10.741	-10.893E-6
112.86660	71.33710	21.61000	-1.6839	21.538	-0.95179	-7.0973	9.3030E-6
115.43175	71.33710	21.61000	-1.1092	21.538	-0.48204	-4.9061	13.512E-6
117.99690	71.33710	21.61000	-0.73597	21.538	-0.26378	-3.5255	13.035E-6
120.56205	71.33710	21.61000	-0.48886	21.538	-0.15382	-2.6172	11.368E-6
123.12720	71.33710	21.61000	-0.32279	21.538	-0.094511	-1.9967	9.5919E-6
125.69235	71.33710	21.61000	-0.20988	21.538	-0.060658	-1.5588	8.0168E-6
128.25750	71.33710	21.61000	-0.13247	21.538	-0.040387	-1.2411	6.7011E-6
130.82265	71.33710	21.61000	-0.079105	21.538	-0.027746	-1.0049	5.6255E-6
133.38780	71.33710	21.61000	-0.042226	21.538	-0.019582	-0.82570	4.7517E-6
135.95295	71.33710	21.61000	-0.016768	21.538	-0.014149	-0.68717	4.0409E-6
138.51810	71.33710	21.61000	717.37E-6	21.538	-0.010435	-0.57835	3.4603E-6
141.08325	71.33710	21.61000	0.012599	21.538	-0.0078373	-0.49164	2.9831E-6
143.64840	71.33710	21.61000	0.020526	21.538	-0.0059820	-0.42166	2.5882E-6
146.21355	71.33710	21.61000	0.025652	21.538	-0.0046324	-0.36453	2.2593E-6
148.77870	71.33710	21.61000	0.028793	21.538	-0.0036342	-0.31742	1.9834E-6
151.34385	71.33710	21.61000	0.030530	21.538	-0.0028848	-0.27820	1.7504E-6
153.90900	71.33710	21.61000	0.031277	21.538	-0.0023145	-0.24527	1.5524E-6 !
0.00000	73.79700	21.61000	0.033168	21.538	-0.0011193	-0.16652	1.0722E-6
2.56515	73.79700	21.61000	0.033551	21.538	-0.0013609	-0.18611	1.1939E-6
5.13030	73.79700	21.61000	0.033365	21.538	-0.0016686	-0.20897	1.3349E-6
7.69545	73.79700	21.61000	0.032356	21.538	-0.0020643	-0.23581	1.4990E-6
10.26060	73.79700	21.61000	0.030170	21.538	-0.0025788	-0.26754	1.6912E-6
12.82575	73.79700	21.61000	0.026314	21.538	-0.0032555	-0.30532	1.9175E-6
15.39090	73.79700	21.61000	0.020103	21.538	-0.0041565	-0.35069	2.1856E-6
17.95605	73.79700	21.61000	0.010575	21.538	-0.0053719	-0.40561	2.5052E-6
20.52120	73.79700	21.61000	-0.0036206	21.538	-0.0070341	-0.47272	2.8885E-6
23.08635	73.79700	21.61000	-0.024396	21.538	-0.0093407	-0.55554	3.3513E-6
25.65150	73.79700	21.61000	-0.054471	21.538	-0.012590	-0.65881	3.9134E-6
28.21665	73.79700	21.61000	-0.097750	21.538	-0.017240	-0.78904	4.5999E-6
30.78180	73.79700	21.61000	-0.15989	21.538	-0.023999	-0.95519	5.4426E-6
33.34695	73.79700	21.61000	-0.24919	21.538	-0.033978	-1.1698	6.4811E-6
35.91210	73.79700	21.61000	-0.37808	21.538	-0.048931	-1.4508	7.7643E-6
38.47725	73.79700	21.61000	-0.56566	21.538	-0.071648	-1.8240	9.3537E-6
41.04240	73.79700	21.61000	-0.84267	21.538	-0.10660	-2.3284	11.331E-6
43.60755	73.79700	21.61000	-1.2628	21.538	-0.16101	-3.0283	13.836E-6
46.17270	73.79700	21.61000	-1.9358	21.538	-0.24654	-4.0590	17.309E-6
48.73785	73.79700	21.61000	-3.2032	21.538	-0.38124	-6.2365	26.496E-6
51.30300	73.79700	21.61000	-5.7094	21.538	-18.502	-49.561	-412.28E-6
53.86815	73.79700	21.61000	-7.1003	21.538	-20.483	-54.476	-459.06E-6
56.43330	73.79700	21.61000	-8.6001	21.538	-27.646	-63.646	-685.89E-6
58.99845	73.79700	21.61000	-9.7684	21.538	-33.893	-71.575	-884.19E-6
61.56360	73.79700	21.61000	-10.209	21.538	-35.056	-73.928	-915.20E-6

64.12875	73.79700	21.61000	-10.026	21.538	-33.012	-71.380	-850.03E-6
66.69390	73.79700	21.61000	-9.2975	21.538	-25.765	-63.959	-608.09E-6
69.25905	73.79700	21.61000	-8.6385	21.538	-20.909	-57.912	-453.16E-6
71.82420	73.79700	21.61000	-8.2815	21.538	-19.930	-53.701	-442.01E-6
74.38935	73.79700	21.61000	-8.2170	21.538	-20.248	-54.949	-446.45E-6
76.95450	73.79700	21.61000	-8.0849	21.538	-19.562	-54.456	-422.13E-6
79.51965	73.79700	21.61000	-7.4644	21.538	-14.277	-43.588	-282.29E-6
82.08480	73.79700	21.61000	-6.1339	21.538	76.348	101.98	0.0023892
84.64995	73.79700	21.61000	-8.5418	21.538	-13.189	-51.408	-186.01E-6
87.21510	73.79700	21.61000	-10.988	21.538	-29.447	-69.782	-717.24E-6
89.78025	73.79700	21.61000	-13.666	21.538	-50.688	-90.559	-0.0014329
92.34540	73.79700	21.61000	-15.402	21.538	-60.847	-103.70	-0.0017537
94.91055	73.79700	21.61000	-15.959	21.538	-63.643	-108.45	-0.0018344
97.47570	73.79700	21.61000	-15.460	21.538	-62.603	-106.93	-0.0018028
100.04085	73.79700	21.61000	-13.806	21.538	-56.922	-99.148	-0.0016262
102.86600	73.79700	21.61000	-10.511	21.538	-44.374	-82.652	-0.0012318
105.17115	73.79700	21.61000	-6.4398	21.538	-12.762	-28.477	-322.67E-6
107.73630	73.79700	21.61000	-4.0799	21.538	-5.1669	-17.436	-91.015E-6
110.30145	73.79700	21.61000	-2.6074	21.538	-2.1608	-10.948	-13.532E-6
112.86660	73.79700	21.61000	-1.6929	21.538	-0.99192	-7.2026	8.3940E-6
115.43175	73.79700	21.61000	-1.1133	21.538	-0.49917	-4.9604	13.187E-6
117.99690	73.79700	21.61000	-0.73768	21.538	-0.27157	-3.5541	12.914E-6
120.56205	73.79700	21.61000	-0.48950	21.538	-0.15757	-2.6327	11.321E-6
123.12720	73.79700	21.61000	-0.32298	21.538	-0.096419	-2.0053	9.5726E-6
125.69235	73.79700	21.61000	-0.20990	21.538	-0.061676	-1.5637	8.0084E-6
128.25750	73.79700	21.61000	-0.13243	21.538	-0.040955	-1.2439	6.6971E-6
130.82265	73.79700	21.61000	-0.079059	21.538	-0.028075	-1.0066	5.6235E-6
133.38780	73.79700	21.61000	-0.042194	21.538	-0.019780	-0.82671	4.7505E-6
135.95295	73.79700	21.61000	-0.016752	21.538	-0.014271	-0.68779	4.0401E-6
138.51810	73.79700	21.61000	718.30E-6	21.538	-0.010513	-0.57873	3.4597E-6
141.08325	73.79700	21.61000	0.012589	21.538	-0.0078884	-0.49188	2.9827E-6
143.64840	73.79700	21.61000	0.020508	21.538	-0.0060163	-0.42181	2.5879E-6
146.21355	73.79700	21.61000	0.025629	21.538	-0.0046558	-0.36464	2.2591E-6
148.77870	73.79700	21.61000	0.028767	21.538	-0.0036506	-0.31749	1.9832E-6
151.34385	73.79700	21.61000	0.030503	21.538	-0.0028964	-0.27825	1.7503E-6
153.90900	73.79700	21.61000	0.031251	21.538	-0.0023229	-0.24531	1.5524E-6 !
0.00000	76.25690	21.61000	0.032997	21.538	-0.0011594	-0.16842	1.0833E-6
2.56515	76.25690	21.61000	0.033318	21.538	-0.0014152	-0.18849	1.2077E-6
5.13030	76.25690	21.61000	0.033044	21.538	-0.0017431	-0.21196	1.3520E-6
7.69545	76.25690	21.61000	0.031913	21.538	-0.0021679	-0.23961	1.5204E-6
10.26060	76.25690	21.61000	0.029555	21.538	-0.0027247	-0.27242	1.7181E-6
12.82575	76.25690	21.61000	0.025456	21.538	-0.0034641	-0.31165	1.9516E-6
15.39090	76.25690	21.61000	0.018900	21.538	-0.0044595	-0.35898	2.2290E-6
17.95605	76.25690	21.61000	0.0088767	21.538	-0.0058193	-0.41660	2.5609E-6
20.52120	76.25690	21.61000	-0.0060333	21.538	-0.0077068	-0.48747	2.9604E-6
23.08635	76.25690	21.61000	-0.027845	21.538	-0.010371	-0.57557	3.4442E-6
25.65150	76.25690	21.61000	-0.059435	21.538	-0.014201	-0.68639	4.0336E-6
28.21665	76.25690	21.61000	-0.10494	21.538	-0.019809	-0.82752	4.7547E-6

30.78180	76.25690	21.61000	-0.17035	21.538	-0.028184	-1.0096	5.6394E-6
33.34695	76.25690	21.61000	-0.26450	21.538	-0.040936	-1.2479	6.7246E-6
35.91210	76.25690	21.61000	-0.40054	21.538	-0.060726	-1.5641	8.0495E-6
38.47725	76.25690	21.61000	-0.59860	21.538	-0.091964	-1.9900	9.6496E-6
41.04240	76.25690	21.61000	-0.89070	21.538	-0.14192	-2.5729	11.550E-6
43.60755	76.25690	21.61000	-1.3317	21.538	-0.22223	-3.3871	13.779E-6
46.17270	76.25690	21.61000	-2.0310	21.538	-0.34998	-4.5750	16.606E-6
48.73785	76.25690	21.61000	-3.3233	21.538	-0.54526	-6.9263	24.521E-6
51.30300	76.25690	21.61000	-5.8618	21.538	-18.732	-50.446	-415.61E-6
53.86815	76.25690	21.61000	-7.2782	21.538	-20.746	-55.466	-463.03E-6
56.43330	76.25690	21.61000	-8.7687	21.538	-27.895	-64.591	-689.60E-6
58.99845	76.25690	21.61000	-9.8906	21.538	-34.142	-72.356	-888.98E-6
61.56360	76.25690	21.61000	-10.266	21.538	-35.247	-74.400	-919.75E-6
64.12875	76.25690	21.61000	-9.9981	21.538	-33.084	-71.366	-853.01E-6
66.69390	76.25690	21.61000	-9.1513	21.538	-25.620	-63.196	-607.35E-6
69.25905	76.25690	21.61000	-8.3688	21.538	-20.416	-56.392	-443.53E-6
71.82420	76.25690	21.61000	-7.9326	21.538	-19.224	-53.339	-416.00E-6
74.38935	76.25690	21.61000	-7.6788	21.538	-18.876	-51.716	-412.88E-6
76.95450	76.25690	21.61000	-7.4268	21.538	-17.799	-49.468	-384.64E-6
79.51965	76.25690	21.61000	-7.3634	21.538	-13.155	-50.205	-192.71E-6
82.08480	76.25690	21.61000	-7.5740	21.538	-8.0246	-50.732	17.336E-6
84.64995	76.25690	21.61000	-7.9386	21.538	-11.840	-47.896	-155.27E-6
87.21510	76.25690	21.61000	-9.9590	21.538	-28.067	-62.902	-707.83E-6
89.78025	76.25690	21.61000	-13.094	21.538	-49.753	-88.070	-0.0014120
92.34540	76.25690	21.61000	-14.992	21.538	-60.341	-102.00	-0.0017448
94.91055	76.25690	21.61000	-15.623	21.538	-63.349	-107.20	-0.0018310
97.47570	76.25690	21.61000	-15.187	21.538	-62.473	-106.03	-0.0018035
100.04085	76.25690	21.61000	-13.633	21.538	-57.088	-98.692	-0.0016360
102.60600	76.25690	21.61000	-10.847	21.538	-44.914	-85.667	-0.0012333
105.17115	76.25690	21.61000	-6.4596	21.538	-13.143	-28.642	-336.90E-6
107.73630	76.25690	21.61000	-4.0235	21.538	-5.3007	-17.373	-96.823E-6
110.30145	76.25690	21.61000	-2.5571	21.538	-2.1943	-10.855	-15.503E-6
112.86660	76.25690	21.61000	-1.6558	21.538	-0.99812	-7.1205	7.5934E-6
115.43175	76.25690	21.61000	-1.0876	21.538	-0.49909	-4.8973	12.766E-6
117.99690	76.25690	21.61000	-0.72026	21.538	-0.27047	-3.5080	12.649E-6
120.56205	76.25690	21.61000	-0.47783	21.538	-0.15659	-2.5995	11.138E-6
123.12720	76.25690	21.61000	-0.31518	21.538	-0.095716	-1.9814	9.4409E-6
125.69235	76.25690	21.61000	-0.20470	21.538	-0.061201	-1.5464	7.9115E-6
128.25750	76.25690	21.61000	-0.12897	21.538	-0.040638	-1.2312	6.6248E-6
130.82265	76.25690	21.61000	-0.076757	21.538	-0.027863	-0.99719	5.5689E-6
133.38780	76.25690	21.61000	-0.040670	21.538	-0.019637	-0.81964	4.7088E-6
135.95295	76.25690	21.61000	-0.015752	21.538	-0.014174	-0.68241	4.0080E-6
138.51810	76.25690	21.61000	0.0013648	21.538	-0.010446	-0.57460	3.4347E-6
141.08325	76.25690	21.61000	0.012997	21.538	-0.0078408	-0.48867	2.9630E-6
143.64840	76.25690	21.61000	0.020756	21.538	-0.0059823	-0.41929	2.5724E-6
146.21355	76.25690	21.61000	0.025769	21.538	-0.0046313	-0.36263	2.2466E-6
148.77870	76.25690	21.61000	0.028836	21.538	-0.0036326	-0.31589	1.9732E-6
151.34385	76.25690	21.61000	0.030525	21.538	-0.0028831	-0.27696	1.7421E-6

153.90900	76.25690	21.61000	0.031241	21.538	-0.0023130	-0.24426	1.5457E-6 !
0.00000	78.71680	21.61000	0.032796	21.538	-0.0011942	-0.16979	1.0911E-6
2.56515	78.71680	21.61000	0.033063	21.538	-0.0014630	-0.19023	1.2175E-6
5.13030	78.71680	21.61000	0.032716	21.538	-0.0018096	-0.21421	1.3644E-6
7.69545	78.71680	21.61000	0.031484	21.538	-0.0022615	-0.24253	1.5362E-6
10.26060	78.71680	21.61000	0.028985	21.538	-0.0028587	-0.27624	1.7383E-6
12.82575	78.71680	21.61000	0.024687	21.538	-0.0036590	-0.31671	1.9777E-6
15.39090	78.71680	21.61000	0.017845	21.538	-0.0047479	-0.36576	2.2629E-6
17.95605	78.71680	21.61000	0.0074075	21.538	-0.0062544	-0.42581	2.6052E-6
20.52120	78.71680	21.61000	-0.0081116	21.538	-0.0083770	-0.50015	3.0185E-6
23.08635	78.71680	21.61000	-0.030831	21.538	-0.011427	-0.59331	3.5207E-6
25.65150	78.71680	21.61000	-0.063789	21.538	-0.015905	-0.71160	4.1341E-6
28.21665	78.71680	21.61000	-0.111138	21.538	-0.022633	-0.86399	4.8857E-6
30.78180	78.71680	21.61000	-0.18003	21.538	-0.032996	-1.0634	5.8064E-6
33.34695	78.71680	21.61000	-0.27923	21.538	-0.049381	-1.3287	6.9267E-6
35.91210	78.71680	21.61000	-0.42323	21.538	-0.076000	-1.6880	8.2658E-6
38.47725	78.71680	21.61000	-0.63386	21.538	-0.12042	-2.1836	9.8033E-6
41.04240	78.71680	21.61000	-0.94576	21.538	-0.19635	-2.8807	11.423E-6
43.60755	78.71680	21.61000	-1.4173	21.538	-0.32829	-3.8816	12.827E-6
46.17270	78.71680	21.61000	-2.1616	21.538	-0.55648	-5.3664	13.603E-6
48.73785	78.71680	21.61000	-3.5107	21.538	-0.92899	-8.1302	17.151E-6
51.30300	78.71680	21.61000	-6.1193	21.538	-19.348	-52.141	-429.04E-6
53.86815	78.71680	21.61000	-7.5785	21.538	-21.511	-57.441	-480.55E-6
56.43330	78.71680	21.61000	-9.0560	21.538	-28.637	-66.482	-706.78E-6
58.99845	78.71680	21.61000	-10.125	21.538	-34.820	-73.953	-905.57E-6
61.56360	78.71680	21.61000	-10.426	21.538	-35.823	-75.605	-934.83E-6
64.12875	78.71680	21.61000	-10.069	21.538	-33.523	-72.101	-865.77E-6
66.69390	78.71680	21.61000	-9.1217	21.538	-25.873	-63.397	-616.21E-6
69.25905	78.71680	21.61000	-8.2278	21.538	-20.410	-55.898	-446.60E-6
71.82420	78.71680	21.61000	-7.6923	21.538	-18.983	-52.314	-413.21E-6
74.38935	78.71680	21.61000	-7.3422	21.538	-18.436	-50.209	-405.31E-6
76.95450	78.71680	21.61000	-7.0149	21.538	-17.238	-47.658	-374.19E-6
79.51965	78.71680	21.61000	-6.5981	21.538	-12.297	-42.712	-208.45E-6
82.08480	78.71680	21.61000	-6.4388	21.538	-5.4758	-37.122	28.632E-6
84.64995	78.71680	21.61000	-7.3503	21.538	-10.979	-45.349	-137.73E-6
87.21510	78.71680	21.61000	-9.6185	21.538	-26.834	-62.872	-658.42E-6
89.78025	78.71680	21.61000	-12.466	21.538	-48.412	-85.140	-0.0013777
92.34540	78.71680	21.61000	-14.317	21.538	-59.160	-99.014	-0.0017172
94.91055	78.71680	21.61000	-14.953	21.538	-62.254	-104.31	-0.0018063
97.47570	78.71680	21.61000	-14.561	21.538	-61.516	-103.41	-0.0017825
100.04085	78.71680	21.61000	-13.111	21.538	-56.492	-96.613	-0.0016259
102.60600	78.71680	21.61000	-10.364	21.538	-44.818	-83.265	-0.0012456
105.17115	78.71680	21.61000	-6.1808	21.538	-13.176	-27.691	-344.63E-6
107.73630	78.71680	21.61000	-3.8358	21.538	-5.2547	-16.742	-99.209E-6
110.30145	78.71680	21.61000	-2.4280	21.538	-2.1419	-10.426	-16.275E-6
112.86660	78.71680	21.61000	-1.5702	21.538	-0.96425	-6.8385	7.0650E-6
115.43175	78.71680	21.61000	-1.0318	21.538	-0.47998	-4.7134	12.302E-6
117.99690	78.71680	21.61000	-0.68399	21.538	-0.25996	-3.3870	12.259E-6

120.56205	78.71680	21.61000	-0.45418	21.538	-0.15074	-2.5183	10.828E-6
123.12720	78.71680	21.61000	-0.29969	21.538	-0.092375	-1.9258	9.2024E-6
125.69235	78.71680	21.61000	-0.19450	21.538	-0.059235	-1.5075	7.7299E-6
128.25750	78.71680	21.61000	-0.12223	21.538	-0.039445	-1.2035	6.4868E-6
130.82265	78.71680	21.61000	-0.072301	21.538	-0.027119	-0.97703	5.4636E-6
133.38780	78.71680	21.61000	-0.037726	21.538	-0.019160	-0.80474	4.6280E-6
135.95295	78.71680	21.61000	-0.013815	21.538	-0.013860	-0.67122	3.9455E-6
138.51810	78.71680	21.61000	0.0026268	21.538	-0.010235	-0.56607	3.3860E-6
141.08325	78.71680	21.61000	0.013805	21.538	-0.0076962	-0.48208	2.9247E-6
143.64840	78.71680	21.61000	0.021258	21.538	-0.0058813	-0.41415	2.5419E-6
146.21355	78.71680	21.61000	0.026065	21.538	-0.0045596	-0.35857	2.2223E-6
148.77870	78.71680	21.61000	0.028994	21.538	-0.0035809	-0.31265	1.9535E-6
151.34385	78.71680	21.61000	0.030591	21.538	-0.0028453	-0.27435	1.7262E-6
153.90900	78.71680	21.61000	0.031247	21.538	-0.0022849	-0.24214	1.5326E-6 !
0.00000	81.17670	21.61000	0.032571	21.538	-0.0012227	-0.17060	1.0954E-6
2.56515	81.17670	21.61000	0.032794	21.538	-0.0015027	-0.19130	1.2230E-6
5.13030	81.17670	21.61000	0.032391	21.538	-0.0018655	-0.21564	1.3717E-6
7.69545	81.17670	21.61000	0.031083	21.538	-0.0023416	-0.24446	1.5459E-6
10.26060	81.17670	21.61000	0.028480	21.538	-0.0029753	-0.27886	1.7512E-6
12.82575	81.17670	21.61000	0.024037	21.538	-0.0038316	-0.32031	1.9949E-6
15.39090	81.17670	21.61000	0.016985	21.538	-0.0050085	-0.37077	2.2860E-6
17.95605	81.17670	21.61000	0.0062398	21.538	-0.0066563	-0.43286	2.6363E-6
20.52120	81.17670	21.61000	-0.0097447	21.538	-0.0090115	-0.51022	3.0605E-6
23.08635	81.17670	21.61000	-0.033182	21.538	-0.012455	-0.60793	3.5774E-6
25.65150	81.17670	21.61000	-0.067272	21.538	-0.017618	-0.73322	4.2102E-6
28.21665	81.17670	21.61000	-0.11668	21.538	-0.025580	-0.89662	4.9860E-6
30.78180	81.17670	21.61000	-0.18831	21.538	-0.038244	-1.1138	5.9331E-6
33.34695	81.17670	21.61000	-0.29247	21.538	-0.059086	-1.4084	7.0708E-6
35.91210	81.17670	21.61000	-0.44485	21.538	-0.094699	-1.8174	8.3814E-6
38.47725	81.17670	21.61000	-0.66981	21.538	-0.15808	-2.3997	9.7368E-6
41.04240	81.17670	21.61000	-1.0064	21.538	-0.27578	-3.2515	10.714E-6
43.60755	81.17670	21.61000	-1.5206	21.538	-0.50387	-4.5354	10.146E-6
46.17270	81.17670	21.61000	-2.3376	21.538	-0.96199	-6.5452	5.1882E-6
48.73785	81.17670	21.61000	-3.8023	21.538	-1.8865	-10.240	-7.2412E-6
51.30300	81.17670	21.61000	-6.5744	21.538	-21.303	-55.593	-484.58E-6
53.86815	81.17670	21.61000	-8.1347	21.538	-24.108	-61.677	-556.68E-6
56.43330	81.17670	21.61000	-9.5732	21.538	-30.934	-70.312	-773.53E-6
58.99845	81.17670	21.61000	-10.535	21.538	-36.616	-76.940	-957.81E-6
61.56360	81.17670	21.61000	-10.726	21.538	-37.315	-77.902	-979.50E-6
64.12875	81.17670	21.61000	-10.258	21.538	-34.713	-73.764	-902.50E-6
66.69390	81.17670	21.61000	-9.1897	21.538	-26.672	-64.385	-641.74E-6
69.25905	81.17670	21.61000	-8.1742	21.538	-20.784	-56.222	-459.47E-6
71.82420	81.17670	21.61000	-7.5357	21.538	-19.062	-52.037	-418.21E-6
74.38935	81.17670	21.61000	-7.1116	21.538	-18.353	-49.572	-406.24E-6
76.95450	81.17670	21.61000	-6.7277	21.538	-17.109	-46.869	-374.29E-6
79.51965	81.17670	21.61000	-6.2325	21.538	-12.214	-41.871	-210.77E-6
82.08480	81.17670	21.61000	-5.9865	21.538	-6.9156	-38.229	-21.905E-6
84.64995	81.17670	21.61000	-6.7684	21.538	-10.339	-43.342	-125.42E-6

87.21510	81.17670	21.61000	-8.9813	21.538	-25.174	-60.211	-609.43E-6
89.78025	81.17670	21.61000	-11.563	21.538	-45.937	-80.856	-0.0013068
92.34540	81.17670	21.61000	-13.229	21.538	-56.334	-93.842	-0.0016382
94.91055	81.17670	21.61000	-13.776	21.538	-59.261	-98.777	-0.0017229
97.47570	81.17670	21.61000	-13.390	21.538	-58.578	-98.021	-0.0017005
100.04085	81.17670	21.61000	-12.062	21.538	-54.040	-91.946	-0.0015586
102.60600	81.17670	21.61000	-9.5483	21.538	-43.336	-79.824	-0.0012090
105.17115	81.17670	21.61000	-5.6508	21.538	-12.456	-25.527	-330.15E-6
107.73630	81.17670	21.61000	-3.4940	21.538	-4.8941	-15.406	-93.658E-6
110.30145	81.17670	21.61000	-2.2142	21.538	-1.9695	-9.6251	-14.708E-6
112.86660	81.17670	21.61000	-1.4368	21.538	-0.88330	-6.3549	7.0789E-6
115.43175	81.17670	21.61000	-0.94781	21.538	-0.44091	-4.4142	11.867E-6
117.99690	81.17670	21.61000	-0.63056	21.538	-0.24024	-3.1963	11.774E-6
120.56205	81.17670	21.61000	-0.41980	21.538	-0.14030	-2.3931	10.408E-6
123.12720	81.17670	21.61000	-0.27735	21.538	-0.086594	-1.8412	8.8677E-6
125.69235	81.17670	21.61000	-0.17986	21.538	-0.055899	-1.4489	7.4710E-6
128.25750	81.17670	21.61000	-0.11259	21.538	-0.037449	-1.1619	6.2884E-6
130.82265	81.17670	21.61000	-0.065924	21.538	-0.025884	-0.94697	5.3116E-6
133.38780	81.17670	21.61000	-0.033509	21.538	-0.018373	-0.78257	4.5110E-6
135.95295	81.17670	21.61000	-0.011037	21.538	-0.013346	-0.65461	3.8548E-6
138.51810	81.17670	21.61000	0.0044407	21.538	-0.0098907	-0.55343	3.3150E-6
141.08325	81.17670	21.61000	0.014971	21.538	-0.0074611	-0.47234	2.8687E-6
143.64840	81.17670	21.61000	0.021986	21.538	-0.0057175	-0.40654	2.4975E-6
146.21355	81.17670	21.61000	0.026499	21.538	-0.0044434	-0.35256	2.1866E-6
148.77870	81.17670	21.61000	0.029230	21.538	-0.0034972	-0.30785	1.9247E-6
151.34385	81.17670	21.61000	0.030695	21.538	-0.0027841	-0.27049	1.7027E-6
153.90900	81.17670	21.61000	0.031264	21.538	-0.0022396	-0.23900	1.5134E-6 !
0.00000	83.63660	21.61000	0.032325	21.538	-0.0012438	-0.17081	1.0959E-6
2.56515	83.63660	21.61000	0.032517	21.538	-0.0015326	-0.19166	1.2242E-6
5.13030	83.63660	21.61000	0.032078	21.538	-0.0019086	-0.21620	1.3737E-6
7.69545	83.63660	21.61000	0.030724	21.538	-0.0024046	-0.24532	1.5491E-6
10.26060	83.63660	21.61000	0.028062	21.538	-0.0030688	-0.28017	1.7562E-6
12.82575	83.63660	21.61000	0.023538	21.538	-0.0039731	-0.32229	2.0024E-6
15.39090	83.63660	21.61000	0.016370	21.538	-0.0052268	-0.37374	2.2972E-6
17.95605	83.63660	21.61000	0.0054487	21.538	-0.0070010	-0.43735	2.6525E-6
20.52120	83.63660	21.61000	-0.010813	21.538	-0.0095695	-0.51707	3.0840E-6
23.08635	83.63660	21.61000	-0.034705	21.538	-0.013385	-0.61849	3.6109E-6
25.65150	83.63660	21.61000	-0.069565	21.538	-0.019218	-0.74976	4.2568E-6
28.21665	83.63660	21.61000	-0.12032	21.538	-0.028432	-0.92303	5.0484E-6
30.78180	83.63660	21.61000	-0.19432	21.538	-0.043540	-1.1569	6.0092E-6
33.34695	83.63660	21.61000	-0.30276	21.538	-0.069380	-1.4806	7.1411E-6
35.91210	83.63660	21.61000	-0.46301	21.538	-0.11576	-1.9421	8.3698E-6
38.47725	83.63660	21.61000	-0.70264	21.538	-0.20374	-2.6220	9.3899E-6
41.04240	83.63660	21.61000	-1.0669	21.538	-0.38144	-3.6624	9.2170E-6
43.60755	83.63660	21.61000	-1.6336	21.538	-0.76686	-5.3247	4.8547E-6
46.17270	83.63660	21.61000	-2.5506	21.538	-1.6743	-8.1269	-12.876E-6
48.73785	83.63660	21.61000	-4.2005	21.538	-4.0343	-13.529	-71.638E-6
51.30300	83.63660	21.61000	-7.3152	21.538	-27.200	-62.056	-678.60E-6

53.86815	83.63660	21.61000	-9.1029	21.538	-32.375	-70.020	-833.53E-6
56.43330	83.63660	21.61000	-10.421	21.538	-37.388	-77.204	-987.09E-6
58.99845	83.63660	21.61000	-11.155	21.538	-40.855	-81.670	-0.0010967
61.56360	83.63660	21.61000	-11.185	21.538	-40.814	-81.464	-0.0010965
64.12875	83.63660	21.61000	-10.568	21.538	-37.528	-76.445	-997.84E-6
66.69390	83.63660	21.61000	-9.3418	21.538	-28.544	-66.177	-705.08E-6
69.25905	83.63660	21.61000	-8.1723	21.538	-21.692	-57.111	-490.05E-6
71.82420	83.63660	21.61000	-7.4173	21.538	-19.390	-52.242	-430.08E-6
74.38935	83.63660	21.61000	-6.9257	21.538	-18.461	-49.451	-411.38E-6
76.95450	83.63660	21.61000	-6.5218	21.538	-17.310	-46.869	-382.38E-6
79.51965	83.63660	21.61000	-6.0516	21.538	-13.089	-42.577	-241.26E-6
82.08480	83.63660	21.61000	-5.8047	21.538	-8.4301	-39.467	-74.562E-6
84.64995	83.63660	21.61000	-6.4233	21.538	-11.048	-43.761	-151.13E-6
87.21510	83.63660	21.61000	-8.1347	21.538	-23.208	-57.264	-550.08E-6
89.78025	83.63660	21.61000	-10.220	21.538	-40.793	-74.437	-0.0011428
92.34540	83.63660	21.61000	-11.507	21.538	-49.545	-85.158	-0.0014231
94.91055	83.63660	21.61000	-11.809	21.538	-51.809	-89.043	-0.0014882
97.47570	83.63660	21.61000	-11.335	21.538	-51.032	-88.187	-0.0014627
100.04085	83.63660	21.61000	-10.125	21.538	-47.236	-83.060	-0.0013443
102.60600	83.63660	21.61000	-8.1126	21.538	-38.641	-73.474	-0.0010626
105.17115	83.63660	21.61000	-4.7969	21.538	-10.238	-21.709	-266.49E-6
107.73630	83.63660	21.61000	-2.9909	21.538	-4.0534	-13.285	-74.039E-6
110.30145	83.63660	21.61000	-1.9223	21.538	-1.6541	-8.4673	-9.7791E-6
112.86660	83.63660	21.61000	-1.2625	21.538	-0.75529	-5.6944	7.8009E-6
115.43175	83.63660	21.61000	-0.84079	21.538	-0.38394	-4.0183	11.505E-6
117.99690	83.63660	21.61000	-0.56332	21.538	-0.21272	-2.9481	11.217E-6
120.56205	83.63660	21.61000	-0.37681	21.538	-0.12607	-2.2315	9.8967E-6
123.12720	83.63660	21.61000	-0.24949	21.538	-0.078812	-1.7325	8.4513E-6
125.69235	83.63660	21.61000	-0.16162	21.538	-0.051437	-1.3736	7.1457E-6
128.25750	83.63660	21.61000	-0.10056	21.538	-0.034785	-1.1086	6.0376E-6
130.82265	83.63660	21.61000	-0.057967	21.538	-0.024237	-0.90831	5.1186E-6
133.38780	83.63660	21.61000	-0.028241	21.538	-0.017324	-0.75404	4.3618E-6
135.95295	83.63660	21.61000	-0.0075610	21.538	-0.012659	-0.63318	3.7387E-6
138.51810	83.63660	21.61000	0.0067146	21.538	-0.0094304	-0.53710	3.2240E-6
141.08325	83.63660	21.61000	0.016434	21.538	-0.0071459	-0.45972	2.7968E-6
143.64840	83.63660	21.61000	0.022902	21.538	-0.0054975	-0.39667	2.4401E-6
146.21355	83.63660	21.61000	0.027046	21.538	-0.0042872	-0.34476	2.1405E-6
148.77870	83.63660	21.61000	0.029528	21.538	-0.0033845	-0.30162	1.8874E-6
151.34385	83.63660	21.61000	0.030825	21.538	-0.0027016	-0.26545	1.6723E-6
153.90900	83.63660	21.61000	0.031284	21.538	-0.0021785	-0.23491	1.4884E-6 !
0.00000	86.09650	21.61000	0.032063	21.538	-0.0012566	-0.17040	1.0927E-6
2.56515	86.09650	21.61000	0.032239	21.538	-0.0015515	-0.19126	1.2208E-6
5.13030	86.09650	21.61000	0.031785	21.538	-0.0019368	-0.21584	1.3702E-6
7.69545	86.09650	21.61000	0.030419	21.538	-0.0024472	-0.24505	1.5456E-6
10.26060	86.09650	21.61000	0.027747	21.538	-0.0031340	-0.28007	1.7529E-6
12.82575	86.09650	21.61000	0.023215	21.538	-0.0040746	-0.32248	1.9997E-6
15.39090	86.09650	21.61000	0.016040	21.538	-0.0053882	-0.37445	2.2954E-6
17.95605	86.09650	21.61000	0.0051024	21.538	-0.0072632	-0.43893	2.6526E-6

20.52120	86.09650	21.61000	-0.011203	21.538	-0.010007	-0.52012	3.0869E-6
23.08635	86.09650	21.61000	-0.035208	21.538	-0.014136	-0.62405	3.6180E-6
25.65150	86.09650	21.61000	-0.070339	21.538	-0.020552	-0.75966	4.2695E-6
28.21665	86.09650	21.61000	-0.12170	21.538	-0.030899	-0.94052	5.0665E-6
30.78180	86.09650	21.61000	-0.19703	21.538	-0.048311	-1.1880	6.0261E-6
33.34695	86.09650	21.61000	-0.30828	21.538	-0.079100	-1.5370	7.1281E-6
35.91210	86.09650	21.61000	-0.47443	21.538	-0.13679	-2.0466	8.2252E-6
38.47725	86.09650	21.61000	-0.72636	21.538	-0.25243	-2.8220	8.7722E-6
41.04240	86.09650	21.61000	-1.1163	21.538	-0.50330	-4.0592	6.9734E-6
43.60755	86.09650	21.61000	-1.7366	21.538	-1.0989	-6.1416	-3.0292E-6
46.17270	86.09650	21.61000	-2.7598	21.538	-2.6529	-9.8535	-40.687E-6
48.73785	86.09650	21.61000	-4.5503	21.538	-6.9659	-16.893	-167.08E-6
51.30300	86.09650	21.61000	-8.0138	21.538	-34.305	-68.401	-922.06E-6
53.86815	86.09650	21.61000	-10.109	21.538	-42.304	-78.390	-0.0011771
56.43330	86.09650	21.61000	-11.290	21.538	-45.734	-84.065	-0.0012771
58.99845	86.09650	21.61000	-11.775	21.538	-46.898	-86.239	-0.0013093
61.56360	86.09650	21.61000	-11.631	21.538	-45.929	-84.768	-0.0012802
64.12875	86.09650	21.61000	-10.857	21.538	-41.643	-78.902	-0.0011470
66.69390	86.09650	21.61000	-9.4842	21.538	-31.607	-68.156	-815.08E-6
69.25905	86.09650	21.61000	-8.1510	21.538	-23.259	-58.309	-545.09E-6
71.82420	86.09650	21.61000	-7.2672	21.538	-19.925	-52.653	-448.83E-6
74.38935	86.09650	21.61000	-6.7167	21.538	-18.674	-49.566	-419.19E-6
76.95450	86.09650	21.61000	-6.3294	21.538	-17.824	-47.408	-399.45E-6
79.51965	86.09650	21.61000	-5.9913	21.538	-15.896	-45.011	-337.92E-6
82.08480	86.09650	21.61000	-5.8388	21.538	-14.084	-43.813	-273.03E-6
84.64995	86.09650	21.61000	-6.1897	21.538	-15.821	-46.891	-322.30E-6
87.21510	86.09650	21.61000	-7.0610	21.538	-22.507	-53.300	-548.43E-6
89.78025	86.09650	21.61000	-8.8427	21.538	-62.567	-128.74	-0.0016550
92.34540	86.09650	21.61000	-8.8903	21.538	-22.335	-58.254	-508.27E-6
94.91055	86.09650	21.61000	-8.3552	21.538	-21.260	-40.996	-580.81E-6
97.47570	86.09650	21.61000	-7.4299	21.538	-20.157	-32.396	-594.10E-6
100.04085	86.09650	21.61000	-6.2212	21.538	-17.549	-26.501	-528.64E-6
102.60600	86.09650	21.61000	-4.7302	21.538	-12.466	-19.215	-372.91E-6
105.17115	86.09650	21.61000	-3.5688	21.538	-6.5369	-16.275	-153.96E-6
107.73630	86.09650	21.61000	-2.3762	21.538	-2.8189	-10.615	-42.260E-6
110.30145	86.09650	21.61000	-1.5821	21.538	-1.2382	-7.0791	-2.3487E-6
112.86660	86.09650	21.61000	-1.0633	21.538	-0.59690	-4.9213	8.9903E-6
115.43175	86.09650	21.61000	-0.71942	21.538	-0.31575	-3.5594	11.171E-6
117.99690	86.09650	21.61000	-0.48724	21.538	-0.18029	-2.6611	10.597E-6
120.56205	86.09650	21.61000	-0.32812	21.538	-0.10939	-2.0442	9.3119E-6
123.12720	86.09650	21.61000	-0.21786	21.538	-0.069686	-1.6060	7.9703E-6
125.69235	86.09650	21.61000	-0.14086	21.538	-0.046187	-1.2858	6.7674E-6
128.25750	86.09650	21.61000	-0.086834	21.538	-0.031637	-1.0460	5.7443E-6
130.82265	86.09650	21.61000	-0.048855	21.538	-0.022282	-0.86276	4.8916E-6
133.38780	86.09650	21.61000	-0.022191	21.538	-0.016072	-0.72027	4.1856E-6
135.95295	86.09650	21.61000	-0.0035607	21.538	-0.011835	-0.60773	3.6010E-6
138.51810	86.09650	21.61000	0.0093354	21.538	-0.0088759	-0.51763	3.1157E-6
141.08325	86.09650	21.61000	0.018122	21.538	-0.0067647	-0.44462	2.7108E-6

143.64840	86.09650	21.61000	0.023958	21.538	-0.0052304	-0.38482	2.3714E-6
146.21355	86.09650	21.61000	0.027673	21.538	-0.0040968	-0.33536	2.0851E-6
148.77870	86.09650	21.61000	0.029866	21.538	-0.0032467	-0.29409	1.8424E-6
151.34385	86.09650	21.61000	0.030970	21.538	-0.0026005	-0.25936	1.6355E-6
153.90900	86.09650	21.61000	0.031300	21.538	-0.0021032	-0.22994	1.4581E-6 !
0.00000	88.55640	21.61000	0.031788	21.538	-0.0012604	-0.16937	1.0857E-6
2.56515	88.55640	21.61000	0.031963	21.538	-0.0015583	-0.19011	1.2128E-6
5.13030	88.55640	21.61000	0.031518	21.538	-0.0019484	-0.21455	1.3611E-6
7.69545	88.55640	21.61000	0.030175	21.538	-0.0024666	-0.24361	1.5352E-6
10.26060	88.55640	21.61000	0.027547	21.538	-0.0031664	-0.27849	1.7411E-6
12.82575	88.55640	21.61000	0.023089	21.538	-0.0041289	-0.32080	1.9862E-6
15.39090	88.55640	21.61000	0.016026	21.538	-0.0054797	-0.37273	2.2802E-6
17.95605	88.55640	21.61000	0.0052522	21.538	-0.0074201	-0.43732	2.6355E-6
20.52120	88.55640	21.61000	-0.010826	21.538	-0.010281	-0.51891	3.0677E-6
23.08635	88.55640	21.61000	-0.034533	21.538	-0.014629	-0.62381	3.5965E-6
25.65150	88.55640	21.61000	-0.069307	21.538	-0.021467	-0.76147	4.2448E-6
28.21665	88.55640	21.61000	-0.12031	21.538	-0.032664	-0.94652	5.0357E-6
30.78180	88.55640	21.61000	-0.19545	21.538	-0.051876	-1.2024	5.9791E-6
33.34695	88.55640	21.61000	-0.30714	21.538	-0.086717	-1.5683	7.0316E-6
35.91210	88.55640	21.61000	-0.47542	21.538	-0.15417	-2.1129	7.9705E-6
38.47725	88.55640	21.61000	-0.73376	21.538	-0.29521	-2.9628	7.9942E-6
41.04240	88.55640	21.61000	-1.1403	21.538	-0.61779	-4.3634	4.4058E-6
43.60755	88.55640	21.61000	-1.8003	21.538	-1.4310	-6.8115	-11.905E-6
46.17270	88.55640	21.61000	-2.9088	21.538	-3.6557	-11.308	-71.309E-6
48.73785	88.55640	21.61000	-4.8280	21.538	-9.5993	-19.586	-255.02E-6
51.30300	88.55640	21.61000	-8.4491	21.538	-38.465	-72.002	-0.0010654
53.86815	88.55640	21.61000	-10.646	21.538	-47.643	-82.384	-0.0013652
56.43330	88.55640	21.61000	-11.689	21.538	-50.979	-87.206	-0.0014671
58.99845	88.55640	21.61000	-11.975	21.538	-51.195	-88.045	-0.0014702
61.56360	88.55640	21.61000	-11.687	21.538	-49.551	-85.672	-0.0014199
64.12875	88.55640	21.61000	-10.811	21.538	-44.695	-79.462	-0.0012661
66.69390	88.55640	21.61000	-9.3877	21.538	-34.637	-69.190	-930.13E-6
69.25905	88.55640	21.61000	-7.9543	21.538	-24.963	-59.115	-608.29E-6
71.82420	88.55640	21.61000	-6.9751	21.538	-20.447	-52.850	-468.54E-6
74.38935	88.55640	21.61000	-6.3895	21.538	-18.862	-49.574	-426.70E-6
76.95450	88.55640	21.61000	-6.0248	21.538	-18.230	-47.805	-413.14E-6
79.51965	88.55640	21.61000	-5.7766	21.538	-17.799	-46.806	-402.50E-6
82.08480	88.55640	21.61000	-5.6231	21.538	-17.739	-46.839	-399.83E-6
84.64995	88.55640	21.61000	-5.6095	21.538	-18.740	-48.603	-428.32E-6
87.21510	88.55640	21.61000	-5.8511	21.538	-21.261	-52.618	-502.85E-6
89.78025	88.55640	21.61000	-5.1495	21.538	-6.7445	-17.176	-156.27E-6
92.34540	88.55640	21.61000	-5.1235	21.538	-8.8392	-19.920	-222.18E-6
94.91055	88.55640	21.61000	-5.0483	21.538	-9.4210	-21.287	-236.43E-6
97.47570	88.55640	21.61000	-4.7041	21.538	-9.0104	-20.778	-223.32E-6
100.04085	88.55640	21.61000	-4.1032	21.538	-7.7690	-18.634	-187.73E-6
102.60600	88.55640	21.61000	-3.3201	21.538	-5.6646	-15.181	-126.18E-6
105.17115	88.55640	21.61000	-2.4999	21.538	-3.3080	-11.294	-57.396E-6
107.73630	88.55640	21.61000	-1.7816	21.538	-1.6716	-8.0050	-13.586E-6

110.30145	88.55640	21.61000	-1.2421	21.538	-0.83389	-5.6814	4.5495E-6
112.86660	88.55640	21.61000	-0.86071	21.538	-0.43858	-4.1271	10.035E-6
115.43175	88.55640	21.61000	-0.59439	21.538	-0.24624	-3.0804	10.755E-6
117.99690	88.55640	21.61000	-0.40806	21.538	-0.14670	-2.3574	9.9110E-6
120.56205	88.55640	21.61000	-0.27702	21.538	-0.091878	-1.8437	8.6718E-6
123.12720	88.55640	21.61000	-0.18442	21.538	-0.059981	-1.4692	7.4429E-6
125.69235	88.55640	21.61000	-0.11876	21.538	-0.040539	-1.1898	6.3506E-6
128.25750	88.55640	21.61000	-0.072139	21.538	-0.028213	-0.97701	5.4194E-6
130.82265	88.55640	21.61000	-0.039055	21.538	-0.020134	-0.81220	4.6388E-6
133.38780	88.55640	21.61000	-0.015660	21.538	-0.014685	-0.68253	3.9882E-6
135.95295	88.55640	21.61000	770.86E-6	21.538	-0.010916	-0.57911	3.4461E-6
138.51810	88.55640	21.61000	0.012178	21.538	-0.0082524	-0.49562	2.9931E-6
141.08325	88.55640	21.61000	0.019953	21.538	-0.0063333	-0.42748	2.6132E-6
143.64840	88.55640	21.61000	0.025100	21.538	-0.0049264	-0.37131	2.2930E-6
146.21355	88.55640	21.61000	0.028347	21.538	-0.0038791	-0.32460	2.0217E-6
148.77870	88.55640	21.61000	0.030223	21.538	-0.0030884	-0.28543	1.7908E-6
151.34385	88.55640	21.61000	0.031114	21.538	-0.0024838	-0.25234	1.5931E-6
153.90900	88.55640	21.61000	0.031303	21.538	-0.0020161	-0.22420	1.4231E-6 !
0.00000	91.01630	21.61000	0.031502	21.538	-0.0012549	-0.16772	1.0748E-6
2.56515	91.01630	21.61000	0.031692	21.538	-0.0015524	-0.18819	1.2001E-6
5.13030	91.01630	21.61000	0.031279	21.538	-0.0019423	-0.21231	1.3463E-6
7.69545	91.01630	21.61000	0.029996	21.538	-0.0024611	-0.24100	1.5179E-6
10.26060	91.01630	21.61000	0.027467	21.538	-0.0031631	-0.27543	1.7206E-6
12.82575	91.01630	21.61000	0.023165	21.538	-0.0041305	-0.31720	1.9619E-6
15.39090	91.01630	21.61000	0.016340	21.538	-0.0054922	-0.36849	2.2513E-6
17.95605	91.01630	21.61000	0.0059218	21.538	-0.0074548	-0.43236	2.6008E-6
20.52120	91.01630	21.61000	-0.0096363	21.538	-0.010361	-0.51315	3.0258E-6
23.08635	91.01630	21.61000	-0.032592	21.538	-0.014801	-0.61722	3.5454E-6
25.65150	91.01630	21.61000	-0.066295	21.538	-0.021832	-0.75419	4.1813E-6
28.21665	91.01630	21.61000	-0.11579	21.538	-0.033445	-0.93907	4.9542E-6
30.78180	91.01630	21.61000	-0.18888	21.538	-0.053601	-1.1962	5.8678E-6
33.34695	91.01630	21.61000	-0.29787	21.538	-0.090705	-1.5668	6.8607E-6
35.91210	91.01630	21.61000	-0.46291	21.538	-0.16398	-2.1245	7.6526E-6
38.47725	91.01630	21.61000	-0.71820	21.538	-0.32134	-3.0079	7.2451E-6
41.04240	91.01630	21.61000	-1.1245	21.538	-0.69380	-4.4932	2.2164E-6
43.60755	91.01630	21.61000	-1.7940	21.538	-1.6705	-7.1507	-19.270E-6
46.17270	91.01630	21.61000	-2.9355	21.538	-4.4185	-12.117	-96.579E-6
48.73785	91.01630	21.61000	-4.9112	21.538	-11.583	-21.126	-324.55E-6
51.30300	91.01630	21.61000	-8.5465	21.538	-41.570	-73.845	-0.0011780
53.86815	91.01630	21.61000	-10.639	21.538	-50.765	-83.693	-0.0014821
56.43330	91.01630	21.61000	-11.415	21.538	-52.888	-87.097	-0.0015447
58.99845	91.01630	21.61000	-11.381	21.538	-51.419	-86.259	-0.0014912
61.56360	91.01630	21.61000	-10.914	21.538	-48.986	-83.030	-0.0014149
64.12875	91.01630	21.61000	-10.024	21.538	-44.380	-77.077	-0.0012695
66.69390	91.01630	21.61000	-8.6876	21.538	-35.163	-67.846	-960.34E-6
69.25905	91.01630	21.61000	-7.3201	21.538	-25.411	-58.406	-631.09E-6
71.82420	91.01630	21.61000	-6.3700	21.538	-20.564	-52.303	-476.93E-6
74.38935	91.01630	21.61000	-5.8042	21.538	-18.898	-49.149	-431.03E-6

76.95450	91.01630	21.61000	-5.4620	21.538	-18.344	-47.616	-418.98E-6
79.51965	91.01630	21.61000	-5.2264	21.538	-18.178	-47.002	-416.43E-6
82.08480	91.01630	21.61000	-4.9487	21.538	-18.278	-47.018	-420.35E-6
84.64995	91.01630	21.61000	-3.7056	21.538	-0.93437	-7.6786	13.904E-6
87.21510	91.01630	21.61000	-3.4706	21.538	-1.7825	-9.0448	-11.072E-6
89.78025	91.01630	21.61000	-3.3377	21.538	-2.7877	-10.711	-40.355E-6
92.34540	91.01630	21.61000	-3.2778	21.538	-3.5072	-12.197	-59.354E-6
94.91055	91.01630	21.61000	-3.1977	21.538	-3.7596	-12.905	-64.760E-6
97.47570	91.01630	21.61000	-2.9896	21.538	-3.6128	-12.652	-60.549E-6
100.04085	91.01630	21.61000	-2.6457	21.538	-3.1326	-11.533	-48.730E-6
102.60600	91.01630	21.61000	-2.2028	21.538	-2.3836	-9.7656	-30.433E-6
105.17115	91.01630	21.61000	-1.7289	21.538	-1.5648	-7.7476	-11.010E-6
107.73630	91.01630	21.61000	-1.2952	21.538	-0.92383	-5.9089	2.4550E-6
110.30145	91.01630	21.61000	-0.94229	21.538	-0.52743	-4.4606	8.6956E-6
112.86660	91.01630	21.61000	-0.67370	21.538	-0.30613	-3.3936	10.446E-6
115.43175	91.01630	21.61000	-0.47554	21.538	-0.18428	-2.6210	10.167E-6
117.99690	91.01630	21.61000	-0.33122	21.538	-0.11544	-2.0581	9.1613E-6
120.56205	91.01630	21.61000	-0.22664	21.538	-0.075052	-1.6420	7.9952E-6
123.12720	91.01630	21.61000	-0.15104	21.538	-0.050428	-1.3292	6.8878E-6
125.69235	91.01630	21.61000	-0.096485	21.538	-0.034869	-1.0901	5.9103E-6
128.25750	91.01630	21.61000	-0.057203	21.538	-0.024720	-0.90458	5.0741E-6
130.82265	91.01630	21.61000	-0.029029	21.538	-0.017912	-0.75856	4.3684E-6
133.38780	91.01630	21.61000	-0.0089450	21.538	-0.013231	-0.64214	3.7758E-6
135.95295	91.01630	21.61000	0.0052388	21.538	-0.0099424	-0.54825	3.2782E-6
138.51810	91.01630	21.61000	0.015114	21.538	-0.0075862	-0.47173	2.8596E-6
141.08325	91.01630	21.61000	0.021842	21.538	-0.0058685	-0.40876	2.5063E-6
143.64840	91.01630	21.61000	0.026273	21.538	-0.0045966	-0.35648	2.2067E-6
146.21355	91.01630	21.61000	0.029032	21.538	-0.0036413	-0.31273	1.9517E-6
148.77870	91.01630	21.61000	0.030575	21.538	-0.0029145	-0.27585	1.7335E-6
151.34385	91.01630	21.61000	0.031242	21.538	-0.0023549	-0.24454	1.5459E-6
153.90900	91.01630	21.61000	0.031283	21.538	-0.0019195	-0.21779	1.3840E-6 !
0.00000	93.47620	21.61000	0.031206	21.538	-0.0012399	-0.16547	1.0603E-6
2.56515	93.47620	21.61000	0.031425	21.538	-0.0015335	-0.18553	1.1830E-6
5.13030	93.47620	21.61000	0.031068	21.538	-0.0019182	-0.20916	1.3261E-6
7.69545	93.47620	21.61000	0.029880	21.538	-0.0024301	-0.23722	1.4938E-6
10.26060	93.47620	21.61000	0.027504	21.538	-0.0031227	-0.27089	1.6918E-6
12.82575	93.47620	21.61000	0.023439	21.538	-0.0040774	-0.31169	1.9271E-6
15.39090	93.47620	21.61000	0.016976	21.538	-0.0054213	-0.36176	2.2090E-6
17.95605	93.47620	21.61000	0.0071002	21.538	-0.0073590	-0.42405	2.5489E-6
20.52120	93.47620	21.61000	-0.0076463	21.538	-0.010230	-0.50278	2.9615E-6
23.08635	93.47620	21.61000	-0.029393	21.538	-0.014618	-0.60413	3.4649E-6
25.65150	93.47620	21.61000	-0.061292	21.538	-0.021575	-0.73746	4.0794E-6
28.21665	93.47620	21.61000	-0.10809	21.538	-0.033080	-0.91734	4.8231E-6
30.78180	93.47620	21.61000	-0.17711	21.538	-0.053090	-1.1675	5.6960E-6
33.34695	93.47620	21.61000	-0.27991	21.538	-0.090039	-1.5282	6.6289E-6
35.91210	93.47620	21.61000	-0.43545	21.538	-0.16337	-2.0716	7.3226E-6
38.47725	93.47620	21.61000	-0.67600	21.538	-0.32211	-2.9341	6.7192E-6
41.04240	93.47620	21.61000	-1.0593	21.538	-0.70294	-4.3899	1.1558E-6

43.60755	93.47620	21.61000	-1.6933	21.538	-1.7233	-7.0121	-22.329E-6
46.17270	93.47620	21.61000	-2.7811	21.538	-4.6696	-11.948	-107.82E-6
48.73785	93.47620	21.61000	-4.6645	21.538	-12.317	-20.830	-356.06E-6
51.30300	93.47620	21.61000	-8.1028	21.538	-41.967	-72.714	-0.0012016
53.86815	93.47620	21.61000	-9.8709	21.538	-49.244	-80.790	-0.0014403
56.43330	93.47620	21.61000	-10.143	21.538	-48.322	-81.641	-0.0013975
58.99845	93.47620	21.61000	-9.2806	21.538	-43.491	-74.911	-0.0012482
61.56360	93.47620	21.61000	-8.5779	21.538	-39.891	-70.740	-0.0011312
64.12875	93.47620	21.61000	-7.8142	21.538	-36.373	-67.028	-0.0010145
66.69390	93.47620	21.61000	-6.6858	21.538	-30.096	-57.807	-823.71E-6
69.25905	93.47620	21.61000	-5.7569	21.538	-23.628	-53.799	-590.23E-6
71.82420	93.47620	21.61000	-5.0497	21.538	-20.063	-49.482	-475.69E-6
74.38935	93.47620	21.61000	-4.5656	21.538	-18.743	-46.806	-440.47E-6
76.95450	93.47620	21.61000	-4.2599	21.538	-18.288	-45.454	-431.26E-6
79.51965	93.47620	21.61000	-4.0515	21.538	-18.161	-45.054	-428.82E-6
82.08480	93.47620	21.61000	-3.7722	21.538	-18.202	-44.977	-430.98E-6
84.64995	93.47620	21.61000	-2.5734	21.538	-0.59537	-5.8072	14.996E-6
87.21510	93.47620	21.61000	-2.2696	21.538	-0.89131	-6.2038	5.7425E-6
89.78025	93.47620	21.61000	-2.1949	21.538	-1.2237	-7.1177	-1.5042E-6
92.34540	93.47620	21.61000	-2.1501	21.538	-1.4749	-7.8553	-6.6712E-6
94.91055	93.47620	21.61000	-2.0769	21.538	-1.5777	-8.1893	-8.5690E-6
97.47570	93.47620	21.61000	-1.9400	21.538	-1.5284	-8.0413	-7.5765E-6
100.04085	93.47620	21.61000	-1.7331	21.538	-1.3480	-7.4451	-4.3140E-6
102.60600	93.47620	21.61000	-1.4736	21.538	-1.0738	-6.5157	0.0
105.17115	93.47620	21.61000	-1.1938	21.538	-0.77197	-5.4336	5.3793E-6
107.73630	93.47620	21.61000	-0.92776	21.538	-0.51289	-4.3850	8.7735E-6
110.30145	93.47620	21.61000	-0.69835	21.538	-0.32770	-3.4856	10.194E-6
112.86660	93.47620	21.61000	-0.51318	21.538	-0.20832	-2.7659	10.172E-6
115.43175	93.47620	21.61000	-0.36958	21.538	-0.13437	-2.2078	9.4039E-6
117.99690	93.47620	21.61000	-0.26079	21.538	-0.088683	-1.7790	8.3658E-6
120.56205	93.47620	21.61000	-0.17950	21.538	-0.060006	-1.4486	7.3034E-6
123.12720	93.47620	21.61000	-0.11930	21.538	-0.041595	-1.1920	6.3232E-6
125.69235	93.47620	21.61000	-0.075027	21.538	-0.029486	-0.99081	5.4608E-6
128.25750	93.47620	21.61000	-0.042673	21.538	-0.021331	-0.83136	4.7192E-6
130.82265	93.47620	21.61000	-0.019200	21.538	-0.015718	-0.70366	4.0884E-6
133.38780	93.47620	21.61000	-0.0023233	21.538	-0.011775	-0.60037	3.5541E-6
135.95295	93.47620	21.61000	0.0096609	21.538	-0.0089542	-0.51605	3.1019E-6
138.51810	93.47620	21.61000	0.018024	21.538	-0.0069022	-0.44660	2.7185E-6
141.08325	93.47620	21.61000	0.023710	21.538	-0.0053866	-0.38892	2.3926E-6
143.64840	93.47620	21.61000	0.027425	21.538	-0.0042516	-0.34067	2.1146E-6
146.21355	93.47620	21.61000	0.029691	21.538	-0.0033907	-0.30001	1.8764E-6
148.77870	93.47620	21.61000	0.030899	21.538	-0.0027300	-0.26553	1.6716E-6
151.34385	93.47620	21.61000	0.031340	21.538	-0.0022174	-0.23609	1.4948E-6
153.90900	93.47620	21.61000	0.031230	21.538	-0.0018158	-0.21083	1.3415E-6 !
0.00000	95.93610	21.61000	0.030900	21.538	-0.0012157	-0.16264	1.0423E-6
2.56515	95.93610	21.61000	0.031161	21.538	-0.0015020	-0.18216	1.1617E-6
5.13030	95.93610	21.61000	0.030881	21.538	-0.0018766	-0.20512	1.3007E-6
7.69545	95.93610	21.61000	0.029819	21.538	-0.0023742	-0.23236	1.4634E-6

10.26060	95.93610	21.61000	0.027645	21.538	-0.0030463	-0.26495	1.6551E-6
12.82575	95.93610	21.61000	0.023891	21.538	-0.0039707	-0.30439	1.8824E-6
15.39090	95.93610	21.61000	0.017900	21.538	-0.0052689	-0.35266	2.1540E-6
17.95605	95.93610	21.61000	0.0087387	21.538	-0.0071352	-0.41255	2.4808E-6
20.52120	95.93610	21.61000	-0.0049316	21.538	-0.0098907	-0.48803	2.8762E-6
23.08635	95.93610	21.61000	-0.025052	21.538	-0.014085	-0.58485	3.3570E-6
25.65150	95.93610	21.61000	-0.054479	21.538	-0.020701	-0.71169	3.9417E-6
28.21665	95.93610	21.61000	-0.097481	21.538	-0.031573	-0.88196	4.6464E-6
30.78180	95.93610	21.61000	-0.16057	21.538	-0.050331	-1.1173	5.4700E-6
33.34695	95.93610	21.61000	-0.25395	21.538	-0.084625	-1.4539	6.3478E-6
35.91210	95.93610	21.61000	-0.39407	21.538	-0.15185	-1.9557	7.0088E-6
38.47725	95.93610	21.61000	-0.60851	21.538	-0.29522	-2.7419	6.5118E-6
41.04240	95.93610	21.61000	-0.94563	21.538	-0.63337	-4.0465	1.6522E-6
43.60755	95.93610	21.61000	-1.4939	21.538	-1.5239	-6.3477	-18.757E-6
46.17270	95.93610	21.61000	-2.4154	21.538	-4.0539	-10.575	-92.248E-6
48.73785	95.93610	21.61000	-3.9784	21.538	-10.447	-17.954	-300.12E-6
51.30300	95.93610	21.61000	-6.9240	21.538	-37.473	-67.368	-0.0010565
53.86815	95.93610	21.61000	-8.2318	21.538	-42.088	-73.022	-0.0012044
56.43330	95.93610	21.61000	-8.0877	21.538	-39.233	-71.942	-0.0010967
58.99845	95.93610	21.61000	-6.2175	21.538	-15.292	-27.019	-434.33E-6
61.56360	95.93610	21.61000	-5.3931	21.538	-11.440	-22.734	-308.00E-6
64.12875	95.93610	21.61000	-4.7347	21.538	-9.0217	-18.942	-236.09E-6
66.69390	95.93610	21.61000	-4.0316	21.538	-6.1856	-14.704	-150.36E-6
69.25905	95.93610	21.61000	-3.3657	21.538	-3.2809	-10.573	-61.138E-6
71.82420	95.93610	21.61000	-2.8517	21.538	-1.5002	-7.5422	-9.7907E-6
74.38935	95.93610	21.61000	-2.4941	21.538	-0.71409	-5.7112	9.5719E-6
76.95450	95.93610	21.61000	-2.2531	21.538	-0.40423	-4.7285	15.453E-6
79.51965	95.93610	21.61000	-2.0758	21.538	-0.30012	-4.2887	16.692E-6
82.08480	95.93610	21.61000	-1.8997	21.538	-0.30010	-4.1903	16.034E-6
84.64995	95.93610	21.61000	-1.6926	21.538	-0.36696	-4.2902	14.012E-6
87.21510	95.93610	21.61000	-1.5550	21.538	-0.47678	-4.6172	11.785E-6
89.78025	95.93610	21.61000	-1.4891	21.538	-0.59703	-5.0365	9.7580E-6
92.34540	95.93610	21.61000	-1.4418	21.538	-0.69035	-5.3732	8.2600E-6
94.91055	95.93610	21.61000	-1.3801	21.538	-0.73126	-5.5140	7.5579E-6
97.47570	95.93610	21.61000	-1.2861	21.538	-0.71269	-5.4103	7.6095E-6
100.04085	95.93610	21.61000	-1.1559	21.538	-0.64085	-5.0712	8.2264E-6
102.60600	95.93610	21.61000	-0.99742	21.538	-0.53157	-4.5515	9.1388E-6
105.17115	95.93610	21.61000	-0.82607	21.538	-0.40853	-3.9356	9.9595E-6
107.73630	95.93610	21.61000	-0.65888	21.538	-0.29539	-3.3108	10.322E-6
110.30145	95.93610	21.61000	-0.50873	21.538	-0.20568	-2.7403	10.106E-6
112.86660	95.93610	21.61000	-0.38199	21.538	-0.14106	-2.2530	9.4379E-6
115.43175	95.93610	21.61000	-0.27954	21.538	-0.096832	-1.8525	8.5308E-6
117.99690	95.93610	21.61000	-0.19912	21.538	-0.067159	-1.5292	7.5566E-6
120.56205	95.93610	21.61000	-0.13725	21.538	-0.047273	-1.2701	6.6187E-6
123.12720	95.93610	21.61000	-0.090327	21.538	-0.033823	-1.0623	5.7660E-6
125.69235	95.93610	21.61000	-0.055156	21.538	-0.024602	-0.89503	5.0148E-6
128.25750	95.93610	21.61000	-0.029063	21.538	-0.018179	-0.75955	4.3643E-6
130.82265	95.93610	21.61000	-0.0099117	21.538	-0.013634	-0.64907	3.8060E-6

133.38780	95.93610	21.61000	0.0039722	21.538	-0.010367	-0.55835	3.3288E-6
135.95295	95.93610	21.61000	0.013880	21.538	-0.0079847	-0.48331	2.9213E-6
138.51810	95.93610	21.61000	0.020800	21.538	-0.0062226	-0.42082	2.5729E-6
141.08325	95.93610	21.61000	0.025485	21.538	-0.0049025	-0.36843	2.2746E-6
143.64840	95.93610	21.61000	0.028506	21.538	-0.0039016	-0.32422	2.0183E-6
146.21355	95.93610	21.61000	0.030293	21.538	-0.0031342	-0.28669	1.7974E-6
148.77870	95.93610	21.61000	0.031174	21.538	-0.0025396	-0.25466	1.6064E-6
151.34385	95.93610	21.61000	0.031393	21.538	-0.0020745	-0.22716	1.4406E-6
153.90900	95.93610	21.61000	0.031136	21.538	-0.0017074	-0.20344	1.2962E-6 !
0.00000	98.39600	21.61000	0.030582	21.538	-0.0011830	-0.15927	1.0210E-6
2.56515	98.39600	21.61000	0.030897	21.538	-0.0014587	-0.17814	1.1365E-6
5.13030	98.39600	21.61000	0.030711	21.538	-0.0018187	-0.20029	1.2706E-6
7.69545	98.39600	21.61000	0.029803	21.538	-0.0022953	-0.22648	1.4272E-6
10.26060	98.39600	21.61000	0.027870	21.538	-0.0029366	-0.25775	1.6111E-6
12.82575	98.39600	21.61000	0.024487	21.538	-0.0038151	-0.29545	1.8287E-6
15.39090	98.39600	21.61000	0.019061	21.538	-0.0050425	-0.34142	2.0877E-6
17.95605	98.39600	21.61000	0.010753	21.538	-0.0067965	-0.39820	2.3981E-6
20.52120	98.39600	21.61000	-0.0016265	21.538	-0.0093673	-0.46939	2.7722E-6
23.08635	98.39600	21.61000	-0.019789	21.538	-0.013246	-0.56013	3.2249E-6
25.65150	98.39600	21.61000	-0.046218	21.538	-0.019296	-0.67809	3.7708E-6
28.21665	98.39600	21.61000	-0.084574	21.538	-0.029100	-0.83490	4.4302E-6
30.78180	98.39600	21.61000	-0.14034	21.538	-0.045719	-1.0489	5.1973E-6
33.34695	98.39600	21.61000	-0.22189	21.538	-0.075410	-1.3503	6.0237E-6
35.91210	98.39600	21.61000	-0.34232	21.538	-0.13187	-1.7900	6.7010E-6
38.47725	98.39600	21.61000	-0.52268	21.538	-0.24750	-2.4591	6.5358E-6
41.04240	98.39600	21.61000	-0.79775	21.538	-0.50540	-3.5257	3.3095E-6
43.60755	98.39600	21.61000	-1.2258	21.538	-1.1338	-5.3039	-10.055E-6
46.17270	98.39600	21.61000	-1.8992	21.538	-2.7384	-8.3246	-54.385E-6
48.73785	98.39600	21.61000	-2.9295	21.538	-6.3256	-13.089	-166.83E-6
51.30300	98.39600	21.61000	-4.3184	21.538	-11.075	-19.562	-314.61E-6
53.86815	98.39600	21.61000	-5.0619	21.538	-13.256	-22.624	-381.83E-6
56.43330	98.39600	21.61000	-4.9460	21.538	-11.384	-21.712	-312.62E-6
58.99845	98.39600	21.61000	-4.1551	21.538	-7.6733	-17.580	-190.95E-6
61.56360	98.39600	21.61000	-3.5677	21.538	-5.2142	-14.580	-112.08E-6
64.12875	98.39600	21.61000	-3.1018	21.538	-3.8363	-12.081	-73.374E-6
66.69390	98.39600	21.61000	-2.6623	21.538	-2.6715	-9.6733	-42.644E-6
69.25905	98.39600	21.61000	-2.2556	21.538	-1.6108	-7.4366	-14.949E-6
71.82420	98.39600	21.61000	-1.9221	21.538	-0.87854	-5.6848	2.7749E-6
74.38935	98.39600	21.61000	-1.6735	21.538	-0.48468	-4.5136	10.772E-6
76.95450	98.39600	21.61000	-1.4943	21.538	-0.30032	-3.8186	13.531E-6
79.51965	98.39600	21.61000	-1.3598	21.538	-0.22636	-3.4649	14.135E-6
82.08480	98.39600	21.61000	-1.2476	21.538	-0.21237	-3.3486	13.918E-6
84.64995	98.39600	21.61000	-1.1495	21.538	-0.23395	-3.3956	13.364E-6
87.21510	98.39600	21.61000	-1.0754	21.538	-0.27538	-3.5464	12.709E-6
89.78025	98.39600	21.61000	-1.0245	21.538	-0.32158	-3.7310	12.087E-6
92.34540	98.39600	21.61000	-0.98183	21.538	-0.35796	-3.8745	11.586E-6
94.91055	98.39600	21.61000	-0.93211	21.538	-0.37400	-3.9195	11.242E-6
97.47570	98.39600	21.61000	-0.86598	21.538	-0.36552	-3.8368	11.028E-6

100.04085	98.39600	21.61000	-0.78085	21.538	-0.33425	-3.6271	10.880E-6
102.60600	98.39600	21.61000	-0.68027	21.538	-0.28646	-3.3155	10.713E-6
105.17115	98.39600	21.61000	-0.57181	21.538	-0.23129	-2.9426	10.432E-6
107.73630	98.39600	21.61000	-0.46424	21.538	-0.17781	-2.5520	9.9646E-6
110.30145	98.39600	21.61000	-0.36487	21.538	-0.13209	-2.1789	9.3015E-6
112.86660	98.39600	21.61000	-0.27815	21.538	-0.096265	-1.8439	8.4962E-6
115.43175	98.39600	21.61000	-0.20567	21.538	-0.069689	-1.5551	7.6285E-6
117.99690	98.39600	21.61000	-0.14702	21.538	-0.050545	-1.3120	6.7681E-6
120.56205	98.39600	21.61000	-0.10069	21.538	-0.036922	-1.1100	5.9609E-6
123.12720	98.39600	21.61000	-0.064780	21.538	-0.027241	-0.94294	5.2299E-6
125.69235	98.39600	21.61000	-0.037366	21.538	-0.020325	-0.80499	4.5828E-6
128.25750	98.39600	21.61000	-0.016733	21.538	-0.015343	-0.69084	4.0175E-6
130.82265	98.39600	21.61000	-0.0014211	21.538	-0.011717	-0.59606	3.5275E-6
133.38780	98.39600	21.61000	0.0097620	21.538	-0.0090473	-0.51701	3.1046E-6
135.95295	98.39600	21.61000	0.017771	21.538	-0.0070605	-0.45075	2.7401E-6
138.51810	98.39600	21.61000	0.023358	21.538	-0.0055655	-0.39493	2.4257E-6
141.08325	98.39600	21.61000	0.027108	21.538	-0.0044285	-0.34766	2.1543E-6
143.64840	98.39600	21.61000	0.029477	21.538	-0.0035552	-0.30743	1.9196E-6
146.21355	98.39600	21.61000	0.030812	21.538	-0.0028779	-0.27301	1.7159E-6
148.77870	98.39600	21.61000	0.031381	21.538	-0.0023479	-0.24343	1.5387E-6
151.34385	98.39600	21.61000	0.031390	21.538	-0.0019295	-0.21788	1.3842E-6
153.90900	98.39600	21.61000	0.030994	21.538	-0.0015966	-0.19572	1.2489E-6 !
0.00000	100.85590	21.61000	0.030249	21.538	-0.0011425	-0.15542	0.0
2.56515	100.85590	21.61000	0.030627	21.538	-0.0014050	-0.17354	1.1078E-6
5.13030	100.85590	21.61000	0.030548	21.538	-0.0017464	-0.19473	1.2362E-6
7.69545	100.85590	21.61000	0.029814	21.538	-0.0021963	-0.21972	1.3858E-6
10.26060	100.85590	21.61000	0.028153	21.538	-0.0027985	-0.24943	1.5609E-6
12.82575	100.85590	21.61000	0.025186	21.538	-0.0036180	-0.28509	1.7671E-6
15.39090	100.85590	21.61000	0.020391	21.538	-0.0047547	-0.32835	2.0116E-6
17.95605	100.85590	21.61000	0.013035	21.538	-0.0063644	-0.38147	2.3032E-6
20.52120	100.85590	21.61000	0.0020908	21.538	-0.0086984	-0.44756	2.6527E-6
23.08635	100.85590	21.61000	-0.013895	21.538	-0.012173	-0.53107	3.0731E-6
25.65150	100.85590	21.61000	-0.036998	21.538	-0.017504	-0.63842	3.5788E-6
28.21665	100.85590	21.61000	-0.070207	21.538	-0.025967	-0.77919	4.1826E-6
30.78180	100.85590	21.61000	-0.11788	21.538	-0.039935	-0.96798	4.8869E-6
33.34695	100.85590	21.61000	-0.18642	21.538	-0.064043	-1.2277	5.6588E-6
35.91210	100.85590	21.61000	-0.28539	21.538	-0.10782	-1.5952	6.3625E-6
38.47725	100.85590	21.61000	-0.42907	21.538	-0.19197	-2.1315	6.5734E-6
41.04240	100.85590	21.61000	-0.63874	21.538	-0.36357	-2.9377	5.0742E-6
43.60755	100.85590	21.61000	-0.94447	21.538	-0.73066	-4.1738	-1.4102E-6
46.17270	100.85590	21.61000	-1.3804	21.538	-1.5109	-6.0412	-20.292E-6
48.73785	100.85590	21.61000	-1.9512	21.538	-2.9229	-8.5782	-60.112E-6
51.30300	100.85590	21.61000	-2.5410	21.538	-4.5595	-11.168	-108.62E-6
53.86815	100.85590	21.61000	-2.9013	21.538	-5.3156	-12.622	-129.30E-6
56.43330	100.85590	21.61000	-2.9059	21.538	-4.7110	-12.373	-106.63E-6
58.99845	100.85590	21.61000	-2.6560	21.538	-3.4171	-10.983	-63.868E-6
61.56360	100.85590	21.61000	-2.3500	21.538	-2.3793	-9.3928	-32.760E-6
64.12875	100.85590	21.61000	-2.0623	21.538	-1.7192	-7.9328	-15.986E-6

66.69390	100.85590	21.61000	-1.7918	21.538	-1.2215	-6.5751	-5.0583E-6
69.25905	100.85590	21.61000	-1.5436	21.538	-0.80864	-5.3468	3.3206E-6
71.82420	100.85590	21.61000	-1.3320	21.538	-0.50521	-4.3444	8.8108E-6
74.38935	100.85590	21.61000	-1.1641	21.538	-0.31667	-3.6180	11.527E-6
76.95450	100.85590	21.61000	-1.0360	21.538	-0.21419	-3.1461	12.486E-6
79.51965	100.85590	21.61000	-0.93787	21.538	-0.16605	-2.8771	12.619E-6
82.08480	100.85590	21.61000	-0.86015	21.538	-0.15072	-2.7589	12.443E-6
84.64995	100.85590	21.61000	-0.79750	21.538	-0.15509	-2.7456	12.178E-6
87.21510	100.85590	21.61000	-0.74831	21.538	-0.17007	-2.7950	11.906E-6
89.78025	100.85590	21.61000	-0.70939	21.538	-0.18806	-2.8649	11.651E-6
92.34540	100.85590	21.61000	-0.67409	21.538	-0.20240	-2.9148	11.409E-6
94.91055	100.85590	21.61000	-0.63528	21.538	-0.20832	-2.9135	11.161E-6
97.47570	100.85590	21.61000	-0.58801	21.538	-0.20357	-2.8434	10.882E-6
100.04085	100.85590	21.61000	-0.53068	21.538	-0.18855	-2.7027	10.543E-6
102.60600	100.85590	21.61000	-0.46484	21.538	-0.16573	-2.5027	10.120E-6
105.17115	100.85590	21.61000	-0.39428	21.538	-0.13884	-2.2635	9.5978E-6
107.73630	100.85590	21.61000	-0.32365	21.538	-0.11169	-2.0079	8.9754E-6
110.30145	100.85590	21.61000	-0.25713	21.538	-0.087152	-1.7556	8.2709E-6
112.86660	100.85590	21.61000	-0.19763	21.538	-0.066655	-1.5206	7.5190E-6
115.43175	100.85590	21.61000	-0.14657	21.538	-0.050438	-1.3101	6.7597E-6
117.99690	100.85590	21.61000	-0.10421	21.538	-0.038039	-1.1266	6.0272E-6
120.56205	100.85590	21.61000	-0.069972	21.538	-0.028737	-0.96906	5.3450E-6
123.12720	100.85590	21.61000	-0.042906	21.538	-0.021819	-0.83521	4.7254E-6
125.69235	100.85590	21.61000	-0.021904	21.538	-0.016683	-0.72200	4.1726E-6
128.25750	100.85590	21.61000	-0.0058895	21.538	-0.012859	-0.62637	3.6849E-6
130.82265	100.85590	21.61000	0.0061094	21.538	-0.0099967	-0.54554	3.2578E-6
133.38780	100.85590	21.61000	0.014924	21.538	-0.0078390	-0.47709	2.8854E-6
135.95295	100.85590	21.61000	0.021245	21.538	-0.0061999	-0.41895	2.5613E-6
138.51810	100.85590	21.61000	0.025632	21.538	-0.0049443	-0.36939	2.2794E-6
141.08325	100.85590	21.61000	0.028534	21.538	-0.0039747	-0.32700	2.0339E-6
143.64840	100.85590	21.61000	0.030306	21.538	-0.0032197	-0.29058	1.8200E-6
146.21355	100.85590	21.61000	0.031225	21.538	-0.0026271	-0.25919	1.6332E-6
148.77870	100.85590	21.61000	0.031508	21.538	-0.0021585	-0.23201	1.4698E-6
151.34385	100.85590	21.61000	0.031322	21.538	-0.0017851	-0.20839	1.3263E-6
153.90900	100.85590	21.61000	0.030798	21.538	-0.0014855	-0.18778	1.2001E-6 !
0.00000	103.31580	21.61000	0.029899	21.538	-0.0010954	-0.15114	0.0
2.56515	103.31580	21.61000	0.030344	21.538	-0.0013425	-0.16842	1.0760E-6
5.13030	103.31580	21.61000	0.030381	21.538	-0.0016622	-0.18856	1.1982E-6
7.69545	103.31580	21.61000	0.029834	21.538	-0.0020810	-0.21220	1.3400E-6
10.26060	103.31580	21.61000	0.028463	21.538	-0.0026376	-0.24018	1.5053E-6
12.82575	103.31580	21.61000	0.025939	21.538	-0.0033890	-0.27358	1.6991E-6
15.39090	103.31580	21.61000	0.021811	21.538	-0.0044211	-0.31384	1.9277E-6
17.95605	103.31580	21.61000	0.015458	21.538	-0.0058659	-0.36289	2.1986E-6
20.52120	103.31580	21.61000	0.0060196	21.538	-0.0079318	-0.42337	2.5213E-6
23.08635	103.31580	21.61000	-0.0076980	21.538	-0.010956	-0.49894	2.9066E-6
25.65150	103.31580	21.61000	-0.027360	21.538	-0.015498	-0.59478	3.3667E-6
28.21665	103.31580	21.61000	-0.055299	21.538	-0.022523	-0.71832	3.9128E-6
30.78180	103.31580	21.61000	-0.094787	21.538	-0.033736	-0.88044	4.5491E-6

33.34695	103.31580	21.61000	-0.15042	21.538	-0.052271	-1.0973	5.2581E-6
35.91210	103.31580	21.61000	-0.22858	21.538	-0.084059	-1.3932	5.9634E-6
38.47725	103.31580	21.61000	-0.33798	21.538	-0.14061	-1.8041	6.4439E-6
41.04240	103.31580	21.61000	-0.48979	21.538	-0.24426	-2.3818	6.1472E-6
43.60755	103.31580	21.61000	-0.69613	21.538	-0.43549	-3.1904	3.8740E-6
46.17270	103.31580	21.61000	-0.96333	21.538	-0.77041	-4.2759	-2.3256E-6
48.73785	103.31580	21.61000	-1.2745	21.538	-1.2641	-5.5727	-13.500E-6
51.30300	103.31580	21.61000	-1.5681	21.538	-1.7688	-6.7888	-25.657E-6
53.86815	103.31580	21.61000	-1.7557	21.538	-2.0110	-7.5041	-30.607E-6
56.43330	103.31580	21.61000	-1.7898	21.538	-1.8677	-7.5102	-24.798E-6
58.99845	103.31580	21.61000	-1.6992	21.538	-1.4928	-6.9715	-13.318E-6
61.56360	103.31580	21.61000	-1.5493	21.538	-1.1212	-6.2078	-3.4833E-6
64.12875	103.31580	21.61000	-1.3839	21.538	-0.83607	-5.4125	2.6574E-6
66.69390	103.31580	21.61000	-1.2199	21.538	-0.61425	-4.6475	6.4542E-6
69.25905	103.31580	21.61000	-1.0662	21.538	-0.43528	-3.9496	8.9767E-6
71.82420	103.31580	21.61000	-0.93080	21.538	-0.29928	-3.3614	10.505E-6
74.38935	103.31580	21.61000	-0.81831	21.538	-0.20672	-2.9094	11.198E-6
76.95450	103.31580	21.61000	-0.72847	21.538	-0.15048	-2.5933	11.342E-6
79.51965	103.31580	21.61000	-0.65779	21.538	-0.12045	-2.3948	11.219E-6
82.08480	103.31580	21.61000	-0.60195	21.538	-0.10789	-2.2887	11.012E-6
84.64995	103.31580	21.61000	-0.55743	21.538	-0.10634	-2.2486	10.806E-6
87.21510	103.31580	21.61000	-0.52161	21.538	-0.11089	-2.2483	10.621E-6
89.78025	103.31580	21.61000	-0.49154	21.538	-0.11750	-2.2622	10.448E-6
92.34540	103.31580	21.61000	-0.46350	21.538	-0.12287	-2.2669	10.264E-6
94.91055	103.31580	21.61000	-0.43376	21.538	-0.12460	-2.2444	10.042E-6
97.47570	103.31580	21.61000	-0.39967	21.538	-0.12149	-2.1837	9.7606E-6
100.04085	103.31580	21.61000	-0.36021	21.538	-0.11353	-2.0827	9.4032E-6
102.60600	103.31580	21.61000	-0.31606	21.538	-0.10170	-1.9463	8.9643E-6
105.17115	103.31580	21.61000	-0.26915	21.538	-0.087598	-1.7847	8.4477E-6
107.73630	103.31580	21.61000	-0.22200	21.538	-0.072929	-1.6100	7.8666E-6
110.30145	103.31580	21.61000	-0.17701	21.538	-0.059098	-1.4339	7.2418E-6
112.86660	103.31580	21.61000	-0.13604	21.538	-0.046966	-1.2652	6.5983E-6
115.43175	103.31580	21.61000	-0.10016	21.538	-0.036863	-1.1096	5.9609E-6
117.99690	103.31580	21.61000	-0.069780	21.538	-0.028747	-0.96988	5.3501E-6
120.56205	103.31580	21.61000	-0.044760	21.538	-0.022375	-0.84669	4.7801E-6
123.12720	103.31580	21.61000	-0.024645	21.538	-0.017440	-0.73941	4.2589E-6
125.69235	103.31580	21.61000	-0.0088149	21.538	-0.013643	-0.64665	3.7894E-6
128.25750	103.31580	21.61000	0.0033894	21.538	-0.010727	-0.56678	3.3710E-6
130.82265	103.31580	21.61000	0.012602	21.538	-0.0084852	-0.49813	3.0006E-6
133.38780	103.31580	21.61000	0.019391	21.538	-0.0067553	-0.43912	2.6743E-6
135.95295	103.31580	21.61000	0.024247	21.538	-0.0054140	-0.38833	2.3875E-6
138.51810	103.31580	21.61000	0.027582	21.538	-0.0043683	-0.34455	2.1359E-6
141.08325	103.31580	21.61000	0.029733	21.538	-0.0035480	-0.30671	1.9150E-6
143.64840	103.31580	21.61000	0.030973	21.538	-0.0029004	-0.27391	1.7210E-6
146.21355	103.31580	21.61000	0.031519	21.538	-0.0023859	-0.24541	1.5505E-6
148.77870	103.31580	21.61000	0.031544	21.538	-0.0019746	-0.22055	1.4003E-6
151.34385	103.31580	21.61000	0.031183	21.538	-0.0016437	-0.19881	1.2677E-6
153.90900	103.31580	21.61000	0.030544	21.538	-0.0013758	-0.17974	1.1505E-6 !

0.00000	105.77570	21.61000	0.029526	21.538	-0.0010429	-0.14651	0.0
2.56515	105.77570	21.61000	0.030042	21.538	-0.0012731	-0.16288	1.0416E-6
5.13030	105.77570	21.61000	0.030199	21.538	-0.0015688	-0.18189	1.1572E-6
7.69545	105.77570	21.61000	0.029843	21.538	-0.0019536	-0.20409	1.2907E-6
10.26060	105.77570	21.61000	0.028769	21.538	-0.0024606	-0.23022	1.4456E-6
12.82575	105.77570	21.61000	0.026695	21.538	-0.0031384	-0.26121	1.6262E-6
15.39090	105.77570	21.61000	0.023243	21.538	-0.0040587	-0.29829	1.8380E-6
17.95605	105.77570	21.61000	0.017898	21.538	-0.0053295	-0.34306	2.0872E-6
20.52120	105.77570	21.61000	0.0099606	21.538	-0.0071168	-0.39769	2.3818E-6
23.08635	105.77570	21.61000	-0.0015173	21.538	-0.0096813	-0.46508	2.7307E-6
25.65150	105.77570	21.61000	-0.017824	21.538	-0.013441	-0.54922	3.1438E-6
28.21665	105.77570	21.61000	-0.040699	21.538	-0.019082	-0.65561	3.6305E-6
30.78180	105.77570	21.61000	-0.072482	21.538	-0.027753	-0.79189	4.1959E-6
33.34695	105.77570	21.61000	-0.11626	21.538	-0.041411	-0.96871	4.8324E-6
35.91210	105.77570	21.61000	-0.17602	21.538	-0.063424	-1.2006	5.5024E-6
38.47725	105.77570	21.61000	-0.25654	21.538	-0.099531	-1.5069	6.1035E-6
41.04240	105.77570	21.61000	-0.36288	21.538	-0.15902	-1.9100	6.4137E-6
43.60755	105.77570	21.61000	-0.49851	21.538	-0.25476	-2.4295	6.0447E-6
46.17270	105.77570	21.61000	-0.66117	21.538	-0.39746	-3.0624	4.5466E-6
48.73785	105.77570	21.61000	-0.83637	21.538	-0.57761	-3.7513	1.9165E-6
51.30300	105.77570	21.61000	-0.99412	21.538	-0.74554	-4.3647	0.0
53.86815	105.77570	21.61000	-1.0991	21.538	-0.83070	-4.7459	-1.5985E-6
56.43330	105.77570	21.61000	-1.1318	21.538	-0.80091	-4.8142	0.0
58.99845	105.77570	21.61000	-1.0997	21.538	-0.68970	-4.6131	3.1861E-6
61.56360	105.77570	21.61000	-1.0262	21.538	-0.55654	-4.2538	6.1360E-6
64.12875	105.77570	21.61000	-0.93315	21.538	-0.43591	-3.8308	8.1540E-6
66.69390	105.77570	21.61000	-0.83440	21.538	-0.33425	-3.3989	9.3489E-6
69.25905	105.77570	21.61000	-0.73839	21.538	-0.25041	-2.9926	9.9979E-6
71.82420	105.77570	21.61000	-0.65096	21.538	-0.18467	-2.6384	10.268E-6
74.38935	105.77570	21.61000	-0.57555	21.538	-0.13712	-2.3532	10.268E-6
76.95450	105.77570	21.61000	-0.51305	21.538	-0.10578	-2.1412	10.108E-6
79.51965	105.77570	21.61000	-0.46245	21.538	-0.087257	-1.9968	9.8844E-6
82.08480	105.77570	21.61000	-0.42180	21.538	-0.078008	-1.9080	9.6610E-6
84.64995	105.77570	21.61000	-0.38900	21.538	-0.074933	-1.8602	9.4646E-6
87.21510	105.77570	21.61000	-0.36204	21.538	-0.075447	-1.8380	9.2945E-6
89.78025	105.77570	21.61000	-0.33877	21.538	-0.077391	-1.8257	9.1341E-6
92.34540	105.77570	21.61000	-0.31693	21.538	-0.079010	-1.8096	8.9604E-6
94.91055	105.77570	21.61000	-0.29440	21.538	-0.079042	-1.7785	8.7507E-6
97.47570	105.77570	21.61000	-0.26966	21.538	-0.076800	-1.7258	8.4876E-6
100.04085	105.77570	21.61000	-0.24208	21.538	-0.072177	-1.6494	8.1611E-6
102.60600	105.77570	21.61000	-0.21194	21.538	-0.065565	-1.5515	7.7700E-6
105.17115	105.77570	21.61000	-0.18024	21.538	-0.057666	-1.4371	7.3209E-6
107.73630	105.77570	21.61000	-0.14835	21.538	-0.049285	-1.3132	6.8269E-6
110.30145	105.77570	21.61000	-0.11768	21.538	-0.041133	-1.1865	6.3047E-6
112.86660	105.77570	21.61000	-0.089386	21.538	-0.033707	-1.0626	5.7725E-6
115.43175	105.77570	21.61000	-0.064231	21.538	-0.027265	-0.94570	5.2474E-6
117.99690	105.77570	21.61000	-0.042586	21.538	-0.021876	-0.83822	4.7433E-6
120.56205	105.77570	21.61000	-0.024487	21.538	-0.017478	-0.74128	4.2700E-6

123.12720	105.77570	21.61000	-0.0097355	21.538	-0.013947	-0.65503	3.8334E-6
125.69235	105.77570	21.61000	0.0020036	21.538	-0.011143	-0.57899	3.4362E-6
128.25750	105.77570	21.61000	0.011129	21.538	-0.0089261	-0.51236	3.0783E-6
130.82265	105.77570	21.61000	0.018046	21.538	-0.0071780	-0.45416	2.7582E-6
133.38780	105.77570	21.61000	0.023141	21.538	-0.0057986	-0.40343	2.4734E-6
135.95295	105.77570	21.61000	0.026756	21.538	-0.0047079	-0.35923	2.2207E-6
138.51810	105.77570	21.61000	0.029188	21.538	-0.0038425	-0.32068	1.9969E-6
141.08325	105.77570	21.61000	0.030689	21.538	-0.0031530	-0.28704	1.7989E-6
143.64840	105.77570	21.61000	0.031464	21.538	-0.0026012	-0.25761	1.6237E-6
146.21355	105.77570	21.61000	0.031683	21.538	-0.0021574	-0.23183	1.4686E-6
148.77870	105.77570	21.61000	0.031482	21.538	-0.0017986	-0.20919	1.3311E-6
151.34385	105.77570	21.61000	0.030969	21.538	-0.0015071	-0.18925	1.2091E-6
153.90900	105.77570	21.61000	0.030230	21.538	-0.0012691	-0.17166	1.1006E-6 !
0.00000	108.23560	21.61000	0.029128	21.538	-986.52E-6	-0.14159	0.0
2.56515	108.23560	21.61000	0.029714	21.538	-0.0011986	-0.15701	1.0052E-6
5.13030	108.23560	21.61000	0.029989	21.538	-0.0014692	-0.17483	1.1139E-6
7.69545	108.23560	21.61000	0.029823	21.538	-0.0018183	-0.19554	1.2387E-6
10.26060	108.23560	21.61000	0.029040	21.538	-0.0022740	-0.21975	1.3829E-6
12.82575	108.23560	21.61000	0.027408	21.538	-0.0028765	-0.24827	1.5499E-6
15.39090	108.23560	21.61000	0.024613	21.538	-0.0036838	-0.28210	1.7444E-6
17.95605	108.23560	21.61000	0.020240	21.538	-0.0047815	-0.32256	1.9717E-6
20.52120	108.23560	21.61000	0.013736	21.538	-0.0062975	-0.37134	2.2380E-6
23.08635	108.23560	21.61000	0.0043705	21.538	-0.0084254	-0.43070	2.5506E-6
25.65150	108.23560	21.61000	-0.0088191	21.538	-0.011463	-0.50357	2.9172E-6
28.21665	108.23560	21.61000	-0.027083	21.538	-0.015876	-0.59385	3.3453E-6
30.78180	108.23560	21.61000	-0.052017	21.538	-0.022394	-0.70663	3.8396E-6
33.34695	108.23560	21.61000	-0.085594	21.538	-0.032163	-0.84847	4.3980E-6
35.91210	108.23560	21.61000	-0.13012	21.538	-0.046963	-1.0275	5.0033E-6
38.47725	108.23560	21.61000	-0.18800	21.538	-0.069427	-1.2528	5.6107E-6
41.04240	108.23560	21.61000	-0.26112	21.538	-0.10306	-1.5326	6.1343E-6
43.60755	108.23560	21.61000	-0.34961	21.538	-0.15138	-1.8694	6.4483E-6
46.17270	108.23560	21.61000	-0.44984	21.538	-0.21512	-2.2509	6.4425E-6
48.73785	108.23560	21.61000	-0.55243	21.538	-0.28730	-2.6409	6.1530E-6
51.30300	108.23560	21.61000	-0.64250	21.538	-0.35070	-2.9785	5.8656E-6
53.86815	108.23560	21.61000	-0.70448	21.538	-0.38488	-3.1995	5.9733E-6
56.43330	108.23560	21.61000	-0.72948	21.538	-0.38022	-3.2695	6.6303E-6
58.99845	108.23560	21.61000	-0.71905	21.538	-0.34434	-3.1990	7.6017E-6
61.56360	108.23560	21.61000	-0.68227	21.538	-0.29367	-3.0289	8.5000E-6
64.12875	108.23560	21.61000	-0.62977	21.538	-0.24131	-2.8039	9.0981E-6
66.69390	108.23560	21.61000	-0.57023	21.538	-0.19334	-2.5586	9.3832E-6
69.25905	108.23560	21.61000	-0.50987	21.538	-0.15201	-2.3180	9.4333E-6
71.82420	108.23560	21.61000	-0.45301	21.538	-0.11839	-2.1005	9.3273E-6
74.38935	108.23560	21.61000	-0.40233	21.538	-0.092878	-1.9178	9.1282E-6
76.95450	108.23560	21.61000	-0.35897	21.538	-0.074979	-1.7746	8.8884E-6
79.51965	108.23560	21.61000	-0.32286	21.538	-0.063514	-1.6700	8.6480E-6
82.08480	108.23560	21.61000	-0.29319	21.538	-0.057004	-1.5986	8.4306E-6
84.64995	108.23560	21.61000	-0.26879	21.538	-0.053974	-1.5523	8.2425E-6
87.21510	108.23560	21.61000	-0.24834	21.538	-0.053078	-1.5223	8.0768E-6

89.78025	108.23560	21.61000	-0.23041	21.538	-0.053149	-1.4991	7.9184E-6
92.34540	108.23560	21.61000	-0.21361	21.538	-0.053230	-1.4743	7.7491E-6
94.91055	108.23560	21.61000	-0.19666	21.538	-0.052622	-1.4413	7.5520E-6
97.47570	108.23560	21.61000	-0.17866	21.538	-0.050920	-1.3957	7.3142E-6
100.04085	108.23560	21.61000	-0.15919	21.538	-0.048017	-1.3357	7.0290E-6
102.60600	108.23560	21.61000	-0.13836	21.538	-0.044061	-1.2624	6.6961E-6
105.17115	108.23560	21.61000	-0.11667	21.538	-0.039371	-1.1783	6.3209E-6
107.73630	108.23560	21.61000	-0.094911	21.538	-0.034337	-1.0874	5.9134E-6
110.30145	108.23560	21.61000	-0.073890	21.538	-0.029330	-0.99360	5.4857E-6
112.86660	108.23560	21.61000	-0.054326	21.538	-0.024635	-0.90064	5.0510E-6
115.43175	108.23560	21.61000	-0.036741	21.538	-0.020430	-0.81136	4.6214E-6
117.99690	108.23560	21.61000	-0.021428	21.538	-0.016791	-0.72773	4.2067E-6
120.56205	108.23560	21.61000	-0.0084752	21.538	-0.013723	-0.65086	3.8144E-6
123.12720	108.23560	21.61000	0.0021894	21.538	-0.011182	-0.58119	3.4493E-6
125.69235	108.23560	21.61000	0.010743	21.538	-0.0091057	-0.51870	3.1136E-6
128.25750	108.23560	21.61000	0.017422	21.538	-0.0074212	-0.46307	2.8082E-6
130.82265	108.23560	21.61000	0.022486	21.538	-0.0060610	-0.41377	2.5322E-6
133.38780	108.23560	21.61000	0.026190	21.538	-0.0049649	-0.37023	2.2841E-6
135.95295	108.23560	21.61000	0.028773	21.538	-0.0040815	-0.33183	2.0620E-6
138.51810	108.23560	21.61000	0.030447	21.538	-0.0033687	-0.29798	1.8637E-6
141.08325	108.23560	21.61000	0.031396	21.538	-0.0027921	-0.26815	1.6867E-6
143.64840	108.23560	21.61000	0.031776	21.538	-0.0023244	-0.24183	1.5290E-6
146.21355	108.23560	21.61000	0.031716	21.538	-0.0019435	-0.21859	1.3884E-6
148.77870	108.23560	21.61000	0.031322	21.538	-0.0016323	-0.19803	1.2630E-6
151.34385	108.23560	21.61000	0.030679	21.538	-0.0013769	-0.17981	1.1510E-6
153.90900	108.23560	21.61000	0.029857	21.538	-0.0011665	-0.16363	1.0509E-6 !
0.00000	110.69550	21.61000	0.028703	21.538	-927.49E-6	-0.13645	0.0
2.56515	110.69550	21.61000	0.029355	21.538	-0.0011211	-0.15090	0.0
5.13030	110.69550	21.61000	0.029743	21.538	-0.0013661	-0.16750	1.0689E-6
7.69545	110.69550	21.61000	0.029757	21.538	-0.0016794	-0.18669	1.1850E-6
10.26060	110.69550	21.61000	0.029252	21.538	-0.0020840	-0.20898	1.3182E-6
12.82575	110.69550	21.61000	0.028036	21.538	-0.0026124	-0.23502	1.4717E-6
15.39090	110.69550	21.61000	0.025858	21.538	-0.0033106	-0.26565	1.6491E-6
17.95605	110.69550	21.61000	0.022390	21.538	-0.0042443	-0.30188	1.8546E-6
20.52120	110.69550	21.61000	0.017204	21.538	-0.0055088	-0.34505	2.0933E-6
23.08635	110.69550	21.61000	0.0097536	21.538	-0.0072431	-0.39681	2.3708E-6
25.65150	110.69550	21.61000	-659.49E-6	21.538	-0.0096519	-0.45927	2.6929E-6
28.21665	110.69550	21.61000	-0.014903	21.538	-0.013037	-0.53507	3.0652E-6
30.78180	110.69550	21.61000	-0.034023	21.538	-0.017840	-0.62743	3.4915E-6
33.34695	110.69550	21.61000	-0.059221	21.538	-0.024702	-0.74016	3.9716E-6
35.91210	110.69550	21.61000	-0.091752	21.538	-0.034509	-0.87743	4.4978E-6
38.47725	110.69550	21.61000	-0.13269	21.538	-0.048394	-1.0430	5.0497E-6
41.04240	110.69550	21.61000	-0.18250	21.538	-0.067560	-1.2388	5.5916E-6
43.60755	110.69550	21.61000	-0.24032	21.538	-0.092729	-1.4620	6.0764E-6
46.17270	110.69550	21.61000	-0.30313	21.538	-0.12307	-1.7020	6.4654E-6
48.73785	110.69550	21.61000	-0.36527	21.538	-0.15495	-1.9374	6.7608E-6
51.30300	110.69550	21.61000	-0.41907	21.538	-0.18198	-2.1385	7.0221E-6
53.86815	110.69550	21.61000	-0.45706	21.538	-0.19741	-2.2765	7.3269E-6

56.43330	110.69550	21.61000	-0.47481	21.538	-0.19791	-2.3350	7.6990E-6
58.99845	110.69550	21.61000	-0.47237	21.538	-0.18531	-2.3159	8.0784E-6
61.56360	110.69550	21.61000	-0.45348	21.538	-0.16463	-2.2354	8.3708E-6
64.12875	110.69550	21.61000	-0.42341	21.538	-0.14091	-2.1149	8.5172E-6
66.69390	110.69550	21.61000	-0.38721	21.538	-0.11752	-1.9744	8.5162E-6
69.25905	110.69550	21.61000	-0.34900	21.538	-0.096354	-1.8302	8.4008E-6
71.82420	110.69550	21.61000	-0.31181	21.538	-0.078445	-1.6946	8.2122E-6
74.38935	110.69550	21.61000	-0.27764	21.538	-0.064259	-1.5760	7.9871E-6
76.95450	110.69550	21.61000	-0.24757	21.538	-0.053778	-1.4785	7.7548E-6
79.51965	110.69550	21.61000	-0.22185	21.538	-0.046603	-1.4027	7.5352E-6
82.08480	110.69550	21.61000	-0.20023	21.538	-0.042110	-1.3464	7.3383E-6
84.64995	110.69550	21.61000	-0.18208	21.538	-0.039590	-1.3054	7.1646E-6
87.21510	110.69550	21.61000	-0.16660	21.538	-0.038343	-1.2744	7.0072E-6
89.78025	110.69550	21.61000	-0.15290	21.538	-0.037737	-1.2480	6.8544E-6
92.34540	110.69550	21.61000	-0.14010	21.538	-0.037238	-1.2210	6.6932E-6
94.91055	110.69550	21.61000	-0.12743	21.538	-0.036448	-1.1892	6.5115E-6
97.47570	110.69550	21.61000	-0.11432	21.538	-0.035126	-1.1498	6.3005E-6
100.04085	110.69550	21.61000	-0.10050	21.538	-0.033185	-1.1016	6.0554E-6
102.60600	110.69550	21.61000	-0.085985	21.538	-0.030673	-1.0449	5.7758E-6
105.17115	110.69550	21.61000	-0.071048	21.538	-0.027739	-0.98107	5.4657E-6
107.73630	110.69550	21.61000	-0.056117	21.538	-0.024577	-0.91235	5.1320E-6
110.30145	110.69550	21.61000	-0.041676	21.538	-0.021383	-0.84122	4.7833E-6
112.86660	110.69550	21.61000	-0.028168	21.538	-0.018323	-0.77003	4.4288E-6
115.43175	110.69550	21.61000	-0.015937	21.538	-0.015511	-0.70076	4.0773E-6
117.99690	110.69550	21.61000	-0.0051995	21.538	-0.013010	-0.63489	3.7360E-6
120.56205	110.69550	21.61000	0.0039539	21.538	-0.010844	-0.57340	3.4106E-6
123.12720	110.69550	21.61000	0.011538	21.538	-0.0090012	-0.51679	3.1050E-6
125.69235	110.69550	21.61000	0.017642	21.538	-0.0074564	-0.46525	2.8214E-6
128.25750	110.69550	21.61000	0.022408	21.538	-0.0061736	-0.41871	2.5608E-6
130.82265	110.69550	21.61000	0.025997	21.538	-0.0051152	-0.37692	2.3230E-6
133.38780	110.69550	21.61000	0.028579	21.538	-0.0042453	-0.33955	2.1073E-6
135.95295	110.69550	21.61000	0.030320	21.538	-0.0035316	-0.30623	1.9125E-6
138.51810	110.69550	21.61000	0.031369	21.538	-0.0029463	-0.27657	1.7370E-6
141.08325	110.69550	21.61000	0.031861	21.538	-0.0024660	-0.25017	1.5792E-6
143.64840	110.69550	21.61000	0.031912	21.538	-0.0020710	-0.22669	1.4376E-6
146.21355	110.69550	21.61000	0.031619	21.538	-0.0017457	-0.20578	1.3104E-6
148.77870	110.69550	21.61000	0.031064	21.538	-0.0014768	-0.18716	1.1963E-6
151.34385	110.69550	21.61000	0.030315	21.538	-0.0012540	-0.17056	1.0939E-6
153.90900	110.69550	21.61000	0.029426	21.538	-0.0010688	-0.15572	1.0018E-6 !
0.00000	113.15540	21.61000	0.028247	21.538	-867.13E-6	-0.13115	0.0
2.56515	113.15540	21.61000	0.028959	21.538	-0.0010423	-0.14462	0.0
5.13030	113.15540	21.61000	0.029451	21.538	-0.0012622	-0.16002	1.0228E-6
7.69545	113.15540	21.61000	0.029631	21.538	-0.0015404	-0.17770	1.1302E-6
10.26060	113.15540	21.61000	0.029382	21.538	-0.0018959	-0.19809	1.2527E-6
12.82575	113.15540	21.61000	0.028548	21.538	-0.0023541	-0.22172	1.3928E-6
15.39090	113.15540	21.61000	0.026931	21.538	-0.0029506	-0.24925	1.5535E-6
17.95605	113.15540	21.61000	0.024278	21.538	-0.0037346	-0.28148	1.7382E-6
20.52120	113.15540	21.61000	0.020265	21.538	-0.0047752	-0.31939	1.9507E-6

23.08635	113.15540	21.61000	0.014493	21.538	-0.0061692	-0.36419	2.1952E-6
25.65150	113.15540	21.61000	0.0064679	21.538	-0.0080525	-0.41733	2.4759E-6
28.21665	113.15540	21.61000	-0.0043935	21.538	-0.010614	-0.48052	2.7967E-6
30.78180	113.15540	21.61000	-0.018755	21.538	-0.014113	-0.55572	3.1604E-6
33.34695	113.15540	21.61000	-0.037317	21.538	-0.018890	-0.64500	3.5671E-6
35.91210	113.15540	21.61000	-0.060717	21.538	-0.025368	-0.75026	4.0126E-6
38.47725	113.15540	21.61000	-0.089358	21.538	-0.034003	-0.87268	4.4863E-6
41.04240	113.15540	21.61000	-0.12314	21.538	-0.045151	-1.0117	4.9705E-6
43.60755	113.15540	21.61000	-0.16109	21.538	-0.058801	-1.1639	5.4420E-6
46.17270	113.15540	21.61000	-0.20107	21.538	-0.074201	-1.3214	5.8790E-6
48.73785	113.15540	21.61000	-0.23970	21.538	-0.089579	-1.4719	6.2693E-6
51.30300	113.15540	21.61000	-0.27287	21.538	-0.10235	-1.5999	6.6142E-6
53.86815	113.15540	21.61000	-0.29675	21.538	-0.11002	-1.6914	6.9196E-6
56.43330	113.15540	21.61000	-0.30897	21.538	-0.11127	-1.7380	7.1816E-6
58.99845	113.15540	21.61000	-0.30929	21.538	-0.10655	-1.7394	7.3811E-6
61.56360	113.15540	21.61000	-0.29933	21.538	-0.097554	-1.7025	7.4956E-6
64.12875	113.15540	21.61000	-0.28176	21.538	-0.086315	-1.6379	7.5146E-6
66.69390	113.15540	21.61000	-0.25948	21.538	-0.074516	-1.5569	7.4462E-6
69.25905	113.15540	21.61000	-0.23507	21.538	-0.063324	-1.4696	7.3110E-6
71.82420	113.15540	21.61000	-0.21058	21.538	-0.053473	-1.3841	7.1338E-6
74.38935	113.15540	21.61000	-0.18747	21.538	-0.045354	-1.3062	6.9378E-6
76.95450	113.15540	21.61000	-0.16659	21.538	-0.039077	-1.2391	6.7407E-6
79.51965	113.15540	21.61000	-0.14831	21.538	-0.034528	-1.1841	6.5545E-6
82.08480	113.15540	21.61000	-0.13259	21.538	-0.031447	-1.1402	6.3844E-6
84.64995	113.15540	21.61000	-0.11914	21.538	-0.029491	-1.1054	6.2297E-6
87.21510	113.15540	21.61000	-0.10750	21.538	-0.028298	-1.0767	6.0852E-6
89.78025	113.15540	21.61000	-0.097122	21.538	-0.027519	-1.0509	5.9428E-6
92.34540	113.15540	21.61000	-0.087469	21.538	-0.026857	-1.0247	5.7937E-6
94.91055	113.15540	21.61000	-0.078057	21.538	-0.026081	-0.99555	5.6296E-6
97.47570	113.15540	21.61000	-0.068531	21.538	-0.025044	-0.96173	5.4445E-6
100.04085	113.15540	21.61000	-0.058703	21.538	-0.023681	-0.92231	5.2349E-6
102.60600	113.15540	21.61000	-0.048560	21.538	-0.022005	-0.87734	5.0006E-6
105.17115	113.15540	21.61000	-0.038242	21.538	-0.020083	-0.82761	4.7443E-6
107.73630	113.15540	21.61000	-0.027988	21.538	-0.018014	-0.77439	4.4705E-6
110.30145	113.15540	21.61000	-0.018084	21.538	-0.015906	-0.71925	4.1854E-6
112.86660	113.15540	21.61000	-0.0088023	21.538	-0.013853	-0.66371	3.8954E-6
115.43175	113.15540	21.61000	-367.20E-6	21.538	-0.011929	-0.60915	3.6068E-6
117.99690	113.15540	21.61000	0.0070698	21.538	-0.010181	-0.55665	3.3250E-6
120.56205	113.15540	21.61000	0.013432	21.538	-0.0086301	-0.50701	3.0543E-6
123.12720	113.15540	21.61000	0.018713	21.538	-0.0072812	-0.46071	2.7980E-6
125.69235	113.15540	21.61000	0.022955	21.538	-0.0061248	-0.41801	2.5580E-6
128.25750	113.15540	21.61000	0.026241	21.538	-0.0051442	-0.37895	2.3355E-6
130.82265	113.15540	21.61000	0.028675	21.538	-0.0043192	-0.34347	2.1306E-6
133.38780	113.15540	21.61000	0.030368	21.538	-0.0036286	-0.31139	1.9431E-6
135.95295	113.15540	21.61000	0.031433	21.538	-0.0030526	-0.28248	1.7724E-6
138.51810	113.15540	21.61000	0.031978	21.538	-0.0025730	-0.25649	1.6173E-6
141.08325	113.15540	21.61000	0.032098	21.538	-0.0021737	-0.23317	1.4769E-6
143.64840	113.15540	21.61000	0.031880	21.538	-0.0018413	-0.21225	1.3499E-6

146.21355	113.15540	21.61000	0.031398	21.538	-0.0015642	-0.19349	1.2352E-6
148.77870	113.15540	21.61000	0.030714	21.538	-0.0013328	-0.17666	1.1316E-6
151.34385	113.15540	21.61000	0.029881	21.538	-0.0011392	-0.16156	1.0381E-6
153.90900	113.15540	21.61000	0.028940	21.538	-976.76E-6	-0.14799	0.0 !
0.00000	115.61530	21.61000	0.027759	21.538	-806.60E-6	-0.12577	0.0
2.56515	115.61530	21.61000	0.028523	21.538	-963.89E-6	-0.13827	0.0
5.13030	115.61530	21.61000	0.029107	21.538	-0.0011595	-0.15248	0.0
7.69545	115.61530	21.61000	0.029436	21.538	-0.0014045	-0.16868	1.0752E-6
10.26060	115.61530	21.61000	0.029415	21.538	-0.0017139	-0.18724	1.1873E-6
12.82575	115.61530	21.61000	0.028922	21.538	-0.0021074	-0.20857	1.3146E-6
15.39090	115.61530	21.61000	0.027801	21.538	-0.0026118	-0.23318	1.4594E-6
17.95605	115.61530	21.61000	0.025861	21.538	-0.0032633	-0.26168	1.6244E-6
20.52120	115.61530	21.61000	0.022862	21.538	-0.0041108	-0.29479	1.8124E-6
23.08635	115.61530	21.61000	0.018517	21.538	-0.0052198	-0.33336	2.0265E-6
25.65150	115.61530	21.61000	0.012486	21.538	-0.0066784	-0.37835	2.2696E-6
28.21665	115.61530	21.61000	0.0043869	21.538	-0.0086014	-0.43084	2.5444E-6
30.78180	115.61530	21.61000	-0.0061901	21.538	-0.0111135	-0.49194	2.8524E-6
33.34695	115.61530	21.61000	-0.019635	21.538	-0.014456	-0.56269	3.1934E-6
35.91210	115.61530	21.61000	-0.036244	21.538	-0.018755	-0.64380	3.5645E-6
38.47725	115.61530	21.61000	-0.056107	21.538	-0.024200	-0.73527	3.9590E-6
41.04240	115.61530	21.61000	-0.078949	21.538	-0.030858	-0.83589	4.3661E-6
43.60755	115.61530	21.61000	-0.10397	21.538	-0.038580	-0.94260	4.7712E-6
46.17270	115.61530	21.61000	-0.12972	21.538	-0.046876	-1.0501	5.1588E-6
48.73785	115.61530	21.61000	-0.15420	21.538	-0.054872	-1.1512	5.5146E-6
51.30300	115.61530	21.61000	-0.17510	21.538	-0.061446	-1.2373	5.8278E-6
53.86815	115.61530	21.61000	-0.19035	21.538	-0.065563	-1.3010	6.0899E-6
56.43330	115.61530	21.61000	-0.19863	21.538	-0.066662	-1.3379	6.2927E-6
58.99845	115.61530	21.61000	-0.19969	21.538	-0.064838	-1.3472	6.4285E-6
61.56360	115.61530	21.61000	-0.19427	21.538	-0.060719	-1.3320	6.4924E-6
64.12875	115.61530	21.61000	-0.18377	21.538	-0.055172	-1.2978	6.4865E-6
66.69390	115.61530	21.61000	-0.16984	21.538	-0.049023	-1.2510	6.4201E-6
69.25905	115.61530	21.61000	-0.15408	21.538	-0.042935	-1.1978	6.3081E-6
71.82420	115.61530	21.61000	-0.13785	21.538	-0.037370	-1.1433	6.1668E-6
74.38935	115.61530	21.61000	-0.12214	21.538	-0.032609	-1.0916	6.0115E-6
76.95450	115.61530	21.61000	-0.10762	21.538	-0.028772	-1.0452	5.8541E-6
79.51965	115.61530	21.61000	-0.094636	21.538	-0.025850	-1.0050	5.7023E-6
82.08480	115.61530	21.61000	-0.083247	21.538	-0.023737	-0.97104	5.5595E-6
84.64995	115.61530	21.61000	-0.073335	21.538	-0.022269	-0.94225	5.4254E-6
87.21510	115.61530	21.61000	-0.064649	21.538	-0.021257	-0.91697	5.2966E-6
89.78025	115.61530	21.61000	-0.056868	21.538	-0.020510	-0.89330	5.1679E-6
92.34540	115.61530	21.61000	-0.049659	21.538	-0.019859	-0.86933	5.0332E-6
94.91055	115.61530	21.61000	-0.042724	21.538	-0.019171	-0.84345	4.8873E-6
97.47570	115.61530	21.61000	-0.035835	21.538	-0.018353	-0.81451	4.7260E-6
100.04085	115.61530	21.61000	-0.028864	21.538	-0.017362	-0.78190	4.5472E-6
102.60600	115.61530	21.61000	-0.021789	21.538	-0.016197	-0.74559	4.3504E-6
105.17115	115.61530	21.61000	-0.014678	21.538	-0.014887	-0.70601	4.1376E-6
107.73630	115.61530	21.61000	-0.0076645	21.538	-0.013485	-0.66396	3.9119E-6
110.30145	115.61530	21.61000	-916.51E-6	21.538	-0.012049	-0.62039	3.6774E-6

112.86660	115.61530	21.61000	0.0053983	21.538	-0.010636	-0.57635	3.4388E-6
115.43175	115.61530	21.61000	0.011137	21.538	-0.0092901	-0.53276	3.2005E-6
117.99690	115.61530	21.61000	0.016196	21.538	-0.0080454	-0.49044	2.9667E-6
120.56205	115.61530	21.61000	0.020518	21.538	-0.0069203	-0.45000	2.7407E-6
123.12720	115.61530	21.61000	0.024088	21.538	-0.0059224	-0.41187	2.5250E-6
125.69235	115.61530	21.61000	0.026927	21.538	-0.0050504	-0.37630	2.3215E-6
128.25750	115.61530	21.61000	0.029084	21.538	-0.0042971	-0.34342	2.1311E-6
130.82265	115.61530	21.61000	0.030624	21.538	-0.0036520	-0.31322	1.9545E-6
133.38780	115.61530	21.61000	0.031623	21.538	-0.0031030	-0.28563	1.7915E-6
135.95295	115.61530	21.61000	0.032157	21.538	-0.0026380	-0.26054	1.6419E-6
138.51810	115.61530	21.61000	0.032301	21.538	-0.0022451	-0.23778	1.5050E-6
141.08325	115.61530	21.61000	0.032126	21.538	-0.0019138	-0.21718	1.3801E-6
143.64840	115.61530	21.61000	0.031694	21.538	-0.0016345	-0.19857	1.2665E-6
146.21355	115.61530	21.61000	0.031063	21.538	-0.0013991	-0.18175	1.1631E-6
148.77870	115.61530	21.61000	0.030278	21.538	-0.0012004	-0.16657	1.0692E-6
151.34385	115.61530	21.61000	0.029380	21.538	-0.0010326	-0.15285	0.0
153.90900	115.61530	21.61000	0.028404	21.538	-890.65E-6	-0.14047	0.0 !
0.00000	118.07520	21.61000	0.027238	21.538	-746.91E-6	-0.12036	0.0
2.56515	118.07520	21.61000	0.028046	21.538	-887.15E-6	-0.13192	0.0
5.13030	118.07520	21.61000	0.028709	21.538	-0.0010599	-0.14497	0.0
7.69545	118.07520	21.61000	0.029167	21.538	-0.0012741	-0.15976	1.0206E-6
10.26060	118.07520	21.61000	0.029344	21.538	-0.0015412	-0.17658	1.1227E-6
12.82575	118.07520	21.61000	0.029145	21.538	-0.0018764	-0.19575	1.2378E-6
15.39090	118.07520	21.61000	0.028451	21.538	-0.0022996	-0.21765	1.3677E-6
17.95605	118.07520	21.61000	0.027118	21.538	-0.0028367	-0.24275	1.5145E-6
20.52120	118.07520	21.61000	0.024973	21.538	-0.0035215	-0.27155	1.6802E-6
23.08635	118.07520	21.61000	0.021812	21.538	-0.0043978	-0.30463	1.8669E-6
25.65150	118.07520	21.61000	0.017406	21.538	-0.0055209	-0.34263	2.0766E-6
28.21665	118.07520	21.61000	0.011508	21.538	-0.0069592	-0.38617	2.3108E-6
30.78180	118.07520	21.61000	0.0038744	21.538	-0.0087931	-0.43586	2.5704E-6
33.34695	118.07520	21.61000	-0.0057027	21.538	-0.011110	-0.49214	2.8547E-6
35.91210	118.07520	21.61000	-0.017342	21.538	-0.013992	-0.55511	3.1612E-6
38.47725	118.07520	21.61000	-0.031002	21.538	-0.017488	-0.62436	3.4851E-6
41.04240	118.07520	21.61000	-0.046397	21.538	-0.021579	-0.69860	3.8185E-6
43.60755	118.07520	21.61000	-0.062928	21.538	-0.026127	-0.77550	4.1513E-6
46.17270	118.07520	21.61000	-0.079652	21.538	-0.030841	-0.85153	4.4717E-6
48.73785	118.07520	21.61000	-0.095347	21.538	-0.035274	-0.92223	4.7676E-6
51.30300	118.07520	21.61000	-0.10869	21.538	-0.038903	-0.98281	5.0280E-6
53.86815	118.07520	21.61000	-0.11850	21.538	-0.041265	-1.0291	5.2434E-6
56.43330	118.07520	21.61000	-0.12404	21.538	-0.042095	-1.0584	5.4068E-6
58.99845	118.07520	21.61000	-0.12509	21.538	-0.041406	-1.0703	5.5140E-6
61.56360	118.07520	21.61000	-0.12202	21.538	-0.039450	-1.0660	5.5644E-6
64.12875	118.07520	21.61000	-0.11557	21.538	-0.036616	-1.0487	5.5620E-6
66.69390	118.07520	21.61000	-0.10671	21.538	-0.033317	-1.0219	5.5148E-6
69.25905	118.07520	21.61000	-0.096419	21.538	-0.029919	-0.98930	5.4332E-6
71.82420	118.07520	21.61000	-0.085563	21.538	-0.026701	-0.95439	5.3285E-6
74.38935	118.07520	21.61000	-0.074836	21.538	-0.023849	-0.91978	5.2111E-6
76.95450	118.07520	21.61000	-0.064722	21.538	-0.021461	-0.88726	5.0891E-6

79.51965	118.07520	21.61000	-0.055502	21.538	-0.019559	-0.85780	4.9679E-6
82.08480	118.07520	21.61000	-0.047278	21.538	-0.018105	-0.83155	4.8504E-6
84.64995	118.07520	21.61000	-0.040018	21.538	-0.017021	-0.80806	4.7364E-6
87.21510	118.07520	21.61000	-0.033592	21.538	-0.016209	-0.78644	4.6240E-6
89.78025	118.07520	21.61000	-0.027818	21.538	-0.015564	-0.76558	4.5100E-6
92.34540	118.07520	21.61000	-0.022493	21.538	-0.014990	-0.74434	4.3907E-6
94.91055	118.07520	21.61000	-0.017433	21.538	-0.014408	-0.72174	4.2625E-6
97.47570	118.07520	21.61000	-0.012493	21.538	-0.013763	-0.69705	4.1227E-6
100.04085	118.07520	21.61000	-0.0075853	21.538	-0.013025	-0.66986	3.9701E-6
102.60600	118.07520	21.61000	-0.0026852	21.538	-0.012187	-0.64013	3.8043E-6
105.17115	118.07520	21.61000	0.0021754	21.538	-0.011265	-0.60812	3.6266E-6
107.73630	118.07520	21.61000	0.0069226	21.538	-0.010284	-0.57431	3.4392E-6
110.30145	118.07520	21.61000	0.011459	21.538	-0.0092784	-0.53933	3.2451E-6
112.86660	118.07520	21.61000	0.015682	21.538	-0.0082809	-0.50388	3.0474E-6
115.43175	118.07520	21.61000	0.019502	21.538	-0.0073205	-0.46863	2.8495E-6
117.99690	118.07520	21.61000	0.022850	21.538	-0.0064192	-0.43415	2.6545E-6
120.56205	118.07520	21.61000	0.025685	21.538	-0.0055918	-0.40091	2.4648E-6
123.12720	118.07520	21.61000	0.027994	21.538	-0.0048456	-0.36929	2.2826E-6
125.69235	118.07520	21.61000	0.029786	21.538	-0.0041826	-0.33950	2.1095E-6
128.25750	118.07520	21.61000	0.031091	21.538	-0.0036005	-0.31169	1.9463E-6
130.82265	118.07520	21.61000	0.031950	21.538	-0.0030940	-0.28592	1.7938E-6
133.38780	118.07520	21.61000	0.032415	21.538	-0.0026565	-0.26216	1.6520E-6
135.95295	118.07520	21.61000	0.032537	21.538	-0.0022805	-0.24035	1.5208E-6
138.51810	118.07520	21.61000	0.032370	21.538	-0.0019586	-0.22041	1.4000E-6
141.08325	118.07520	21.61000	0.031966	21.538	-0.0016838	-0.20223	1.2890E-6
143.64840	118.07520	21.61000	0.031369	21.538	-0.0014494	-0.18567	1.1874E-6
146.21355	118.07520	21.61000	0.030623	21.538	-0.0012497	-0.17061	1.0944E-6
148.77870	118.07520	21.61000	0.029763	21.538	-0.0010796	-0.15692	1.0094E-6
151.34385	118.07520	21.61000	0.028821	21.538	-934.48E-6	-0.14449	0.0
153.90900	118.07520	21.61000	0.027822	21.538	-810.67E-6	-0.13320	0.0 !
0.00000	120.53510	21.61000	0.026687	21.538	-688.90E-6	-0.11497	0.0
2.56515	120.53510	21.61000	0.027528	21.538	-813.18E-6	-0.12561	0.0
5.13030	120.53510	21.61000	0.028256	21.538	-964.82E-6	-0.13757	0.0
7.69545	120.53510	21.61000	0.028821	21.538	-0.0011508	-0.15103	0.0
10.26060	120.53510	21.61000	0.029165	21.538	-0.0013799	-0.16621	1.0596E-6
12.82575	120.53510	21.61000	0.029213	21.538	-0.0016637	-0.18337	1.1633E-6
15.39090	120.53510	21.61000	0.028877	21.538	-0.0020165	-0.20281	1.2795E-6
17.95605	120.53510	21.61000	0.028050	21.538	-0.0024567	-0.22484	1.4096E-6
20.52120	120.53510	21.61000	0.026606	21.538	-0.0030073	-0.24983	1.5551E-6
23.08635	120.53510	21.61000	0.024405	21.538	-0.0036968	-0.27816	1.7175E-6
25.65150	120.53510	21.61000	0.021294	21.538	-0.0045594	-0.31022	1.8979E-6
28.21665	120.53510	21.61000	0.017117	21.538	-0.0056349	-0.34638	2.0971E-6
30.78180	120.53510	21.61000	0.011732	21.538	-0.0069661	-0.38690	2.3155E-6
33.34695	120.53510	21.61000	0.0050353	21.538	-0.0085945	-0.43192	2.5520E-6
35.91210	120.53510	21.61000	-0.0030047	21.538	-0.010551	-0.48128	2.8044E-6
38.47725	120.53510	21.61000	-0.012304	21.538	-0.012841	-0.53443	3.0688E-6
41.04240	120.53510	21.61000	-0.022623	21.538	-0.015428	-0.59028	3.3393E-6
43.60755	120.53510	21.61000	-0.033533	21.538	-0.018211	-0.64709	3.6085E-6

46.17270	120.53510	21.61000	-0.044422	21.538	-0.021017	-0.70252	3.8674E-6
48.73785	120.53510	21.61000	-0.054538	21.538	-0.023613	-0.75378	4.1069E-6
51.30300	120.53510	21.61000	-0.063098	21.538	-0.025738	-0.79800	4.3180E-6
53.86815	120.53510	21.61000	-0.069420	21.538	-0.027170	-0.83272	4.4933E-6
56.43330	120.53510	21.61000	-0.073056	21.538	-0.027777	-0.85635	4.6274E-6
58.99845	120.53510	21.61000	-0.073865	21.538	-0.027552	-0.86845	4.7176E-6
61.56360	120.53510	21.61000	-0.072021	21.538	-0.026604	-0.86971	4.7643E-6
64.12875	120.53510	21.61000	-0.067941	21.538	-0.025116	-0.86174	4.7707E-6
66.69390	120.53510	21.61000	-0.062190	21.538	-0.023302	-0.84668	4.7427E-6
69.25905	120.53510	21.61000	-0.055369	21.538	-0.021362	-0.82684	4.6876E-6
71.82420	120.53510	21.61000	-0.048042	21.538	-0.019462	-0.80435	4.6132E-6
74.38935	120.53510	21.61000	-0.040674	21.538	-0.017721	-0.78099	4.5266E-6
76.95450	120.53510	21.61000	-0.033609	21.538	-0.016210	-0.75806	4.4336E-6
79.51965	120.53510	21.61000	-0.027067	21.538	-0.014956	-0.73632	4.3382E-6
82.08480	120.53510	21.61000	-0.021150	21.538	-0.013949	-0.71601	4.2425E-6
84.64995	120.53510	21.61000	-0.015867	21.538	-0.013154	-0.69699	4.1468E-6
87.21510	120.53510	21.61000	-0.011158	21.538	-0.012521	-0.67879	4.0503E-6
89.78025	120.53510	21.61000	-0.0069223	21.538	-0.011991	-0.66081	3.9509E-6
92.34540	120.53510	21.61000	-0.0030395	21.538	-0.011511	-0.64236	3.8465E-6
94.91055	120.53510	21.61000	604.33E-6	21.538	-0.011033	-0.62284	3.7348E-6
97.47570	120.53510	21.61000	0.0041018	21.538	-0.010523	-0.60182	3.6142E-6
100.04085	120.53510	21.61000	0.0075123	21.538	-0.0099629	-0.57902	3.4838E-6
102.60600	120.53510	21.61000	0.010858	21.538	-0.0093456	-0.55442	3.3436E-6
105.17115	120.53510	21.61000	0.014127	21.538	-0.0086774	-0.52818	3.1944E-6
107.73630	120.53510	21.61000	0.017278	21.538	-0.0079729	-0.50061	3.0379E-6
110.30145	120.53510	21.61000	0.020256	21.538	-0.0072508	-0.47215	2.8759E-6
112.86660	120.53510	21.61000	0.023000	21.538	-0.0065312	-0.44326	2.7111E-6
115.43175	120.53510	21.61000	0.025454	21.538	-0.0058324	-0.41441	2.5456E-6
117.99690	120.53510	21.61000	0.027573	21.538	-0.0051693	-0.38603	2.3820E-6
120.56205	120.53510	21.61000	0.029331	21.538	-0.0045525	-0.35850	2.2220E-6
123.12720	120.53510	21.61000	0.030717	21.538	-0.0039885	-0.33208	2.0675E-6
125.69235	120.53510	21.61000	0.031735	21.538	-0.0034802	-0.30700	1.9197E-6
128.25750	120.53510	21.61000	0.032404	21.538	-0.0030274	-0.28339	1.7795E-6
130.82265	120.53510	21.61000	0.032752	21.538	-0.0026278	-0.26132	1.6475E-6
133.38780	120.53510	21.61000	0.032812	21.538	-0.0022779	-0.24081	1.5240E-6
135.95295	120.53510	21.61000	0.032622	21.538	-0.0019733	-0.22183	1.4089E-6
138.51810	120.53510	21.61000	0.032219	21.538	-0.0017093	-0.20434	1.3022E-6
141.08325	120.53510	21.61000	0.031641	21.538	-0.0014812	-0.18828	1.2036E-6
143.64840	120.53510	21.61000	0.030922	21.538	-0.0012846	-0.17355	1.1127E-6
146.21355	120.53510	21.61000	0.030093	21.538	-0.0011154	-0.16007	1.0291E-6
148.77870	120.53510	21.61000	0.029180	21.538	-969.79E-6	-0.14774	0.0
151.34385	120.53510	21.61000	0.028210	21.538	-844.56E-6	-0.13648	0.0
153.90900	120.53510	21.61000	0.027201	21.538	-736.79E-6	-0.12620	0.0 !
0.00000	122.99500	21.61000	0.026106	21.538	-633.20E-6	-0.10965	0.0
2.56515	122.99500	21.61000	0.026971	21.538	-742.77E-6	-0.11942	0.0
5.13030	122.99500	21.61000	0.027748	21.538	-875.17E-6	-0.13034	0.0
7.69545	122.99500	21.61000	0.028400	21.538	-0.0010358	-0.14255	0.0
10.26060	122.99500	21.61000	0.028880	21.538	-0.0012314	-0.15622	0.0

12.82575	122.99500	21.61000	0.029131	21.538	-0.0014704	-0.17154	1.0918E-6
15.39090	122.99500	21.61000	0.029088	21.538	-0.0017632	-0.18874	1.1954E-6
17.95605	122.99500	21.61000	0.028671	21.538	-0.0021225	-0.20805	1.3104E-6
20.52120	122.99500	21.61000	0.027792	21.538	-0.0025639	-0.22971	1.4380E-6
23.08635	122.99500	21.61000	0.026354	21.538	-0.0031055	-0.25396	1.5789E-6
25.65150	122.99500	21.61000	0.024256	21.538	-0.0037681	-0.28103	1.7339E-6
28.21665	122.99500	21.61000	0.021401	21.538	-0.0045742	-0.31112	1.9033E-6
30.78180	122.99500	21.61000	0.017709	21.538	-0.0055459	-0.34432	2.0869E-6
33.34695	122.99500	21.61000	0.013132	21.538	-0.0067015	-0.38059	2.2837E-6
35.91210	122.99500	21.61000	0.0076785	21.538	-0.0080495	-0.41967	2.4917E-6
38.47725	122.99500	21.61000	0.0014342	21.538	-0.0095813	-0.46104	2.7076E-6
41.04240	122.99500	21.61000	-0.0054143	21.538	-0.011262	-0.50382	2.9269E-6
43.60755	122.99500	21.61000	-0.012571	21.538	-0.013025	-0.54675	3.1440E-6
46.17270	122.99500	21.61000	-0.019635	21.538	-0.014767	-0.58826	3.3524E-6
48.73785	122.99500	21.61000	-0.026143	21.538	-0.016360	-0.62654	3.5451E-6
51.30300	122.99500	21.61000	-0.031618	21.538	-0.017669	-0.65982	3.7157E-6
53.86815	122.99500	21.61000	-0.035655	21.538	-0.018579	-0.68659	3.8587E-6
56.43330	122.99500	21.61000	-0.037981	21.538	-0.019023	-0.70584	3.9700E-6
58.99845	122.99500	21.61000	-0.038502	21.538	-0.018990	-0.71724	4.0478E-6
61.56360	122.99500	21.61000	-0.037305	21.538	-0.018530	-0.72113	4.0924E-6
64.12875	122.99500	21.61000	-0.034629	21.538	-0.017735	-0.71842	4.1062E-6
66.69390	122.99500	21.61000	-0.030809	21.538	-0.016716	-0.71036	4.0932E-6
69.25905	122.99500	21.61000	-0.026219	21.538	-0.015586	-0.69839	4.0583E-6
71.82420	122.99500	21.61000	-0.021221	21.538	-0.014443	-0.68388	4.0070E-6
74.38935	122.99500	21.61000	-0.016127	21.538	-0.013362	-0.66803	3.9442E-6
76.95450	122.99500	21.61000	-0.011179	21.538	-0.012391	-0.65173	3.8739E-6
79.51965	122.99500	21.61000	-0.0065397	21.538	-0.011554	-0.63557	3.7992E-6
82.08480	122.99500	21.61000	-0.0022991	21.538	-0.010852	-0.61982	3.7218E-6
84.64995	122.99500	21.61000	0.0015171	21.538	-0.010271	-0.60448	3.6422E-6
87.21510	122.99500	21.61000	0.0049312	21.538	-0.0097841	-0.58931	3.5601E-6
89.78025	122.99500	21.61000	0.0079974	21.538	-0.0093606	-0.57400	3.4744E-6
92.34540	122.99500	21.61000	0.010785	21.538	-0.0089692	-0.55816	3.3839E-6
94.91055	122.99500	21.61000	0.013364	21.538	-0.0085825	-0.54143	3.2872E-6
97.47570	122.99500	21.61000	0.015794	21.538	-0.0081800	-0.52354	3.1834E-6
100.04085	122.99500	21.61000	0.018114	21.538	-0.0077488	-0.50434	3.0719E-6
102.60600	122.99500	21.61000	0.020344	21.538	-0.0072845	-0.48382	2.9529E-6
105.17115	122.99500	21.61000	0.022480	21.538	-0.0067894	-0.46209	2.8270E-6
107.73630	122.99500	21.61000	0.024502	21.538	-0.0062715	-0.43935	2.6953E-6
110.30145	122.99500	21.61000	0.026380	21.538	-0.0057417	-0.41592	2.5594E-6
112.86660	122.99500	21.61000	0.028077	21.538	-0.0052122	-0.39211	2.4210E-6
115.43175	122.99500	21.61000	0.029559	21.538	-0.0046948	-0.36826	2.2818E-6
117.99690	122.99500	21.61000	0.030800	21.538	-0.0041994	-0.34470	2.1437E-6
120.56205	122.99500	21.61000	0.031781	21.538	-0.0037337	-0.32170	2.0081E-6
123.12720	122.99500	21.61000	0.032497	21.538	-0.0033028	-0.29950	1.8765E-6
125.69235	122.99500	21.61000	0.032949	21.538	-0.0029097	-0.27827	1.7499E-6
128.25750	122.99500	21.61000	0.033150	21.538	-0.0025550	-0.25813	1.6291E-6
130.82265	122.99500	21.61000	0.033119	21.538	-0.0022382	-0.23917	1.5146E-6
133.38780	122.99500	21.61000	0.032880	21.538	-0.0019573	-0.22141	1.4067E-6

135.95295	122.99500	21.61000	0.032458	21.538	-0.0017098	-0.20487	1.3057E-6
138.51810	122.99500	21.61000	0.031882	21.538	-0.0014929	-0.18951	1.2114E-6
141.08325	122.99500	21.61000	0.031177	21.538	-0.0013034	-0.17531	1.1238E-6
143.64840	122.99500	21.61000	0.030370	21.538	-0.0011384	-0.16221	1.0425E-6
146.21355	122.99500	21.61000	0.029483	21.538	-995.05E-6	-0.15014	0.0
148.77870	122.99500	21.61000	0.028539	21.538	-870.56E-6	-0.13904	0.0
151.34385	122.99500	21.61000	0.027554	21.538	-762.57E-6	-0.12885	0.0
153.90900	122.99500	21.61000	0.026546	21.538	-668.90E-6	-0.11950	0.0 !
0.00000	125.45490	21.61000	0.025497	21.538	-580.31E-6	-0.10443	0.0
2.56515	125.45490	21.61000	0.026376	21.538	-676.49E-6	-0.11339	0.0
5.13030	125.45490	21.61000	0.027190	21.538	-791.59E-6	-0.12333	0.0
7.69545	125.45490	21.61000	0.027908	21.538	-929.76E-6	-0.13438	0.0
10.26060	125.45490	21.61000	0.028495	21.538	-0.0010961	-0.14666	0.0
12.82575	125.45490	21.61000	0.028908	21.538	-0.0012966	-0.16032	1.0235E-6
15.39090	125.45490	21.61000	0.029097	21.538	-0.0015389	-0.17552	1.1157E-6
17.95605	125.45490	21.61000	0.029006	21.538	-0.0018316	-0.19242	1.2173E-6
20.52120	125.45490	21.61000	0.028572	21.538	-0.0021849	-0.21118	1.3290E-6
23.08635	125.45490	21.61000	0.027729	21.538	-0.0026104	-0.23196	1.4512E-6
25.65150	125.45490	21.61000	0.026410	21.538	-0.0031204	-0.25487	1.5844E-6
28.21665	125.45490	21.61000	0.024556	21.538	-0.0037273	-0.27999	1.7285E-6
30.78180	125.45490	21.61000	0.022123	21.538	-0.0044419	-0.30733	1.8832E-6
33.34695	125.45490	21.61000	0.019092	21.538	-0.0052711	-0.33677	2.0473E-6
35.91210	125.45490	21.61000	0.015486	21.538	-0.0062143	-0.36804	2.2192E-6
38.47725	125.45490	21.61000	0.011379	21.538	-0.0072600	-0.40068	2.3961E-6
41.04240	125.45490	21.61000	0.0069082	21.538	-0.0083811	-0.43400	2.5745E-6
43.60755	125.45490	21.61000	0.0022772	21.538	-0.0095331	-0.46711	2.7503E-6
46.17270	125.45490	21.61000	-0.0022546	21.538	-0.010655	-0.49892	2.9185E-6
48.73785	125.45490	21.61000	-0.0063939	21.538	-0.011673	-0.52824	3.0743E-6
51.30300	125.45490	21.61000	-0.0098491	21.538	-0.012515	-0.55394	3.2128E-6
53.86815	125.45490	21.61000	-0.012372	21.538	-0.013118	-0.57503	3.3300E-6
56.43330	125.45490	21.61000	-0.013796	21.538	-0.013445	-0.59088	3.4232E-6
58.99845	125.45490	21.61000	-0.014059	21.538	-0.013489	-0.60123	3.4909E-6
61.56360	125.45490	21.61000	-0.013205	21.538	-0.013273	-0.60624	3.5332E-6
64.12875	125.45490	21.61000	-0.011375	21.538	-0.012844	-0.60642	3.5517E-6
66.69390	125.45490	21.61000	-0.0087717	21.538	-0.012264	-0.60255	3.5491E-6
69.25905	125.45490	21.61000	-0.0056288	21.538	-0.011595	-0.59550	3.5287E-6
71.82420	125.45490	21.61000	-0.0021797	21.538	-0.010896	-0.58617	3.4942E-6
74.38935	125.45490	21.61000	0.0013671	21.538	-0.010213	-0.57535	3.4491E-6
76.95450	125.45490	21.61000	0.0048440	21.538	-0.0095800	-0.56368	3.3963E-6
79.51965	125.45490	21.61000	0.0081311	21.538	-0.0090146	-0.55160	3.3380E-6
82.08480	125.45490	21.61000	0.0111156	21.538	-0.0085218	-0.53934	3.2756E-6
84.64995	125.45490	21.61000	0.013889	21.538	-0.0080961	-0.52697	3.2097E-6
87.21510	125.45490	21.61000	0.016334	21.538	-0.0077247	-0.51440	3.1403E-6
89.78025	125.45490	21.61000	0.018518	21.538	-0.0073909	-0.50146	3.0670E-6
92.34540	125.45490	21.61000	0.020479	21.538	-0.0070771	-0.48795	2.9890E-6
94.91055	125.45490	21.61000	0.022261	21.538	-0.0067672	-0.47367	2.9056E-6
97.47570	125.45490	21.61000	0.023902	21.538	-0.0064488	-0.45846	2.8164E-6
100.04085	125.45490	21.61000	0.025428	21.538	-0.0061138	-0.44224	2.7210E-6

102.60600	125.45490	21.61000	0.026855	21.538	-0.0057590	-0.42500	2.6197E-6
105.17115	125.45490	21.61000	0.028184	21.538	-0.0053853	-0.40685	2.5129E-6
107.73630	125.45490	21.61000	0.029407	21.538	-0.0049971	-0.38792	2.4016E-6
110.30145	125.45490	21.61000	0.030507	21.538	-0.0046009	-0.36843	2.2867E-6
112.86660	125.45490	21.61000	0.031463	21.538	-0.0042044	-0.34862	2.1698E-6
115.43175	125.45490	21.61000	0.032257	21.538	-0.0038151	-0.32873	2.0520E-6
117.99690	125.45490	21.61000	0.032872	21.538	-0.0034397	-0.30901	1.9348E-6
120.56205	125.45490	21.61000	0.033299	21.538	-0.0030838	-0.28967	1.8194E-6
123.12720	125.45490	21.61000	0.033533	21.538	-0.0027513	-0.27089	1.7067E-6
125.69235	125.45490	21.61000	0.033576	21.538	-0.0024446	-0.25282	1.5979E-6
128.25750	125.45490	21.61000	0.033439	21.538	-0.0021649	-0.23557	1.4934E-6
130.82265	125.45490	21.61000	0.033133	21.538	-0.0019122	-0.21922	1.3938E-6
133.38780	125.45490	21.61000	0.032677	21.538	-0.0016857	-0.20380	1.2995E-6
135.95295	125.45490	21.61000	0.032089	21.538	-0.0014840	-0.18935	1.2107E-6
138.51810	125.45490	21.61000	0.031388	21.538	-0.0013053	-0.17585	1.1273E-6
141.08325	125.45490	21.61000	0.030596	21.538	-0.0011477	-0.16328	1.0493E-6
143.64840	125.45490	21.61000	0.029730	21.538	-0.0010091	-0.15161	0.0
146.21355	125.45490	21.61000	0.028809	21.538	-887.59E-6	-0.14081	0.0
148.77870	125.45490	21.61000	0.027848	21.538	-781.18E-6	-0.13082	0.0
151.32385	125.45490	21.61000	0.026862	21.538	-688.11E-6	-0.12160	0.0
153.90900	125.45490	21.61000	0.025862	21.538	-606.77E-6	-0.11309	0.0 !
0.00000	127.91480	21.61000	0.024864	21.538	-530.54E-6	-0.099342	0.0
2.56515	127.91480	21.61000	0.025749	21.538	-614.65E-6	-0.10754	0.0
5.13030	127.91480	21.61000	0.026586	21.538	-714.38E-6	-0.11657	0.0
7.69545	127.91480	21.61000	0.027352	21.538	-832.85E-6	-0.12655	0.0
10.26060	127.91480	21.61000	0.028020	21.538	-973.83E-6	-0.13757	0.0
12.82575	127.91480	21.61000	0.028557	21.538	-0.0011418	-0.14974	0.0
15.39090	127.91480	21.61000	0.028927	21.538	-0.0013418	-0.16316	1.0407E-6
17.95605	127.91480	21.61000	0.029088	21.538	-0.0015800	-0.17796	1.1304E-6
20.52120	127.91480	21.61000	0.028997	21.538	-0.0018630	-0.19422	1.2281E-6
23.08635	127.91480	21.61000	0.028609	21.538	-0.0021978	-0.21204	1.3342E-6
25.65150	127.91480	21.61000	0.027879	21.538	-0.0025917	-0.23147	1.4487E-6
28.21665	127.91480	21.61000	0.026772	21.538	-0.0030513	-0.25254	1.5716E-6
30.78180	127.91480	21.61000	0.025264	21.538	-0.0035814	-0.27519	1.7022E-6
33.34695	127.91480	21.61000	0.023351	21.538	-0.0041834	-0.29927	1.8395E-6
35.91210	127.91480	21.61000	0.021058	21.538	-0.0048539	-0.32455	1.9821E-6
38.47725	127.91480	21.61000	0.018443	21.538	-0.0055820	-0.35063	2.1278E-6
41.04240	127.91480	21.61000	0.015605	21.538	-0.0063481	-0.37700	2.2739E-6
43.60755	127.91480	21.61000	0.012681	21.538	-0.0071229	-0.40299	2.4171E-6
46.17270	127.91480	21.61000	0.0098415	21.538	-0.0078690	-0.42786	2.5539E-6
48.73785	127.91480	21.61000	0.0072720	21.538	-0.0085438	-0.45080	2.6807E-6
51.30300	127.91480	21.61000	0.0051542	21.538	-0.0091056	-0.47106	2.7940E-6
53.86815	127.91480	21.61000	0.0036412	21.538	-0.0095197	-0.48799	2.8909E-6
56.43330	127.91480	21.61000	0.0028369	21.538	-0.0097644	-0.50116	2.9694E-6
58.99845	127.91480	21.61000	0.0027821	21.538	-0.0098348	-0.51037	3.0284E-6
61.56360	127.91480	21.61000	0.0034515	21.538	-0.0097422	-0.51570	3.0679E-6
64.12875	127.91480	21.61000	0.0047621	21.538	-0.0095120	-0.51744	3.0888E-6
66.69390	127.91480	21.61000	0.0065886	21.538	-0.0091777	-0.51605	3.0929E-6

69.25905	127.91480	21.61000	0.0087832	21.538	-0.0087762	-0.51209	3.0825E-6
71.82420	127.91480	21.61000	0.0111194	21.538	-0.0083424	-0.50615	3.0601E-6
74.38935	127.91480	21.61000	0.013683	21.538	-0.0079054	-0.49874	3.0280E-6
76.95450	127.91480	21.61000	0.016134	21.538	-0.0074871	-0.49033	2.9884E-6
79.51965	127.91480	21.61000	0.018460	21.538	-0.0071007	-0.48123	2.9429E-6
82.08480	127.91480	21.61000	0.020606	21.538	-0.0067516	-0.47165	2.8927E-6
84.64995	127.91480	21.61000	0.022543	21.538	-0.0064388	-0.46166	2.8383E-6
87.21510	127.91480	21.61000	0.024267	21.538	-0.0061563	-0.45126	2.7799E-6
89.78025	127.91480	21.61000	0.025789	21.538	-0.0058953	-0.44038	2.7174E-6
92.34540	127.91480	21.61000	0.027132	21.538	-0.0056458	-0.42891	2.6505E-6
94.91055	127.91480	21.61000	0.028321	21.538	-0.0053987	-0.41674	2.5788E-6
97.47570	127.91480	21.61000	0.029381	21.538	-0.0051465	-0.40381	2.5021E-6
100.04085	127.91480	21.61000	0.030330	21.538	-0.0048842	-0.39005	2.4204E-6
102.60600	127.91480	21.61000	0.031180	21.538	-0.0046096	-0.37551	2.3339E-6
105.17115	127.91480	21.61000	0.031935	21.538	-0.0043231	-0.36023	2.2429E-6
107.73630	127.91480	21.61000	0.032591	21.538	-0.0040273	-0.34435	2.1483E-6
110.30145	127.91480	21.61000	0.033143	21.538	-0.0037262	-0.32801	2.0507E-6
112.86660	127.91480	21.61000	0.033578	21.538	-0.0034246	-0.31139	1.9514E-6
115.43175	127.91480	21.61000	0.033887	21.538	-0.0031275	-0.29467	1.8512E-6
117.99690	127.91480	21.61000	0.034061	21.538	-0.0028394	-0.27804	1.7512E-6
120.56205	127.91480	21.61000	0.034095	21.538	-0.0025642	-0.26166	1.6524E-6
123.12720	127.91480	21.61000	0.033988	21.538	-0.0023050	-0.24568	1.5556E-6
125.69235	127.91480	21.61000	0.033742	21.538	-0.0020637	-0.23023	1.4616E-6
128.25750	127.91480	21.61000	0.033364	21.538	-0.0018416	-0.21539	1.3710E-6
130.82265	127.91480	21.61000	0.032865	21.538	-0.0016389	-0.20124	1.2842E-6
133.38780	127.91480	21.61000	0.032256	21.538	-0.0014554	-0.18782	1.2016E-6
135.95295	127.91480	21.61000	0.031553	21.538	-0.0012904	-0.17516	1.1233E-6
138.51810	127.91480	21.61000	0.030769	21.538	-0.0011429	-0.16327	1.0494E-6
141.08325	127.91480	21.61000	0.029919	21.538	-0.0010115	-0.15213	0.0
143.64840	127.91480	21.61000	0.029019	21.538	-894.97E-6	-0.14174	0.0
146.21355	127.91480	21.61000	0.028081	21.538	-791.89E-6	-0.13207	0.0
148.77870	127.91480	21.61000	0.027117	21.538	-700.90E-6	-0.12307	0.0
151.34385	127.91480	21.61000	0.026140	21.538	-620.71E-6	-0.11473	0.0
153.90900	127.91480	21.61000	0.025158	21.538	-550.12E-6	-0.10700	0.0 !
0.00000	130.37470	21.61000	0.024211	21.538	-484.06E-6	-0.094416	0.0
2.56515	130.37470	21.61000	0.025093	21.538	-557.43E-6	-0.10190	0.0
5.13030	130.37470	21.61000	0.025942	21.538	-643.60E-6	-0.11010	0.0
7.69545	130.37470	21.61000	0.026739	21.538	-744.95E-6	-0.11911	0.0
10.26060	130.37470	21.61000	0.027464	21.538	-864.24E-6	-0.12898	0.0
12.82575	130.37470	21.61000	0.028093	21.538	-0.0010047	-0.13981	0.0
15.39090	130.37470	21.61000	0.028599	21.538	-0.0011698	-0.15167	0.0
17.95605	130.37470	21.61000	0.028951	21.538	-0.0013637	-0.16462	1.0496E-6
20.52120	130.37470	21.61000	0.029118	21.538	-0.0015906	-0.17873	1.1352E-6
23.08635	130.37470	21.61000	0.029070	21.538	-0.0018549	-0.19405	1.2273E-6
25.65150	130.37470	21.61000	0.028779	21.538	-0.0021606	-0.21059	1.3260E-6
28.21665	130.37470	21.61000	0.028222	21.538	-0.0025110	-0.22834	1.4309E-6
30.78180	130.37470	21.61000	0.027386	21.538	-0.0029078	-0.24721	1.5416E-6
33.34695	130.37470	21.61000	0.026275	21.538	-0.0033503	-0.26708	1.6570E-6

35.91210	130.37470	21.61000	0.024908	21.538	-0.0038343	-0.28771	1.7760E-6
38.47725	130.37470	21.61000	0.023332	21.538	-0.0043509	-0.30880	1.8967E-6
41.04240	130.37470	21.61000	0.021615	21.538	-0.0048862	-0.32995	2.0171E-6
43.60755	130.37470	21.61000	0.019850	21.538	-0.0054210	-0.35069	2.1347E-6
46.17270	130.37470	21.61000	0.018147	21.538	-0.0059319	-0.37047	2.2469E-6
48.73785	130.37470	21.61000	0.016625	21.538	-0.0063933	-0.38875	2.3509E-6
51.30300	130.37470	21.61000	0.015398	21.538	-0.0067806	-0.40500	2.4444E-6
53.86815	130.37470	21.61000	0.014562	21.538	-0.0070735	-0.41880	2.5251E-6
56.43330	130.37470	21.61000	0.014181	21.538	-0.0072593	-0.42983	2.5917E-6
58.99845	130.37470	21.61000	0.014283	21.538	-0.0073344	-0.43795	2.6431E-6
61.56360	130.37470	21.61000	0.014851	21.538	-0.0073045	-0.44318	2.6794E-6
64.12875	130.37470	21.61000	0.015836	21.538	-0.0071835	-0.44569	2.7011E-6
66.69390	130.37470	21.61000	0.017159	21.538	-0.0069906	-0.44576	2.7094E-6
69.25905	130.37470	21.61000	0.018724	21.538	-0.0067472	-0.44374	2.7056E-6
71.82420	130.37470	21.61000	0.020434	21.538	-0.0064746	-0.44002	2.6916E-6
74.38935	130.37470	21.61000	0.022195	21.538	-0.0061911	-0.43495	2.6690E-6
76.95450	130.37470	21.61000	0.023928	21.538	-0.0059111	-0.42885	2.6394E-6
79.51965	130.37470	21.61000	0.025571	21.538	-0.0056441	-0.42195	2.6038E-6
82.08480	130.37470	21.61000	0.027082	21.538	-0.0053948	-0.41442	2.5633E-6
84.64995	130.37470	21.61000	0.028437	21.538	-0.0051639	-0.40634	2.5184E-6
87.21510	130.37470	21.61000	0.029628	21.538	-0.0049490	-0.39774	2.4694E-6
89.78025	130.37470	21.61000	0.030659	21.538	-0.0047455	-0.38860	2.4163E-6
92.34540	130.37470	21.61000	0.031542	21.538	-0.0045481	-0.37888	2.3590E-6
94.91055	130.37470	21.61000	0.032293	21.538	-0.0043515	-0.36853	2.2974E-6
97.47570	130.37470	21.61000	0.032928	21.538	-0.0041513	-0.35751	2.2316E-6
100.04085	130.37470	21.61000	0.033459	21.538	-0.0039446	-0.34583	2.1615E-6
102.60600	130.37470	21.61000	0.033895	21.538	-0.0037299	-0.33349	2.0874E-6
105.17115	130.37470	21.61000	0.034243	21.538	-0.0035075	-0.32057	2.0096E-6
107.73630	130.37470	21.61000	0.034502	21.538	-0.0032790	-0.30715	1.9288E-6
110.30145	130.37470	21.61000	0.034669	21.538	-0.0030469	-0.29335	1.8455E-6
112.86660	130.37470	21.61000	0.034740	21.538	-0.0028143	-0.27930	1.7606E-6
115.43175	130.37470	21.61000	0.034712	21.538	-0.0025845	-0.26515	1.6749E-6
117.99690	130.37470	21.61000	0.034578	21.538	-0.0023607	-0.25103	1.5892E-6
120.56205	130.37470	21.61000	0.034339	21.538	-0.0021458	-0.23708	1.5043E-6
123.12720	130.37470	21.61000	0.033995	21.538	-0.0019418	-0.22341	1.4208E-6
125.69235	130.37470	21.61000	0.033548	21.538	-0.0017504	-0.21013	1.3394E-6
128.25750	130.37470	21.61000	0.033005	21.538	-0.0015728	-0.19731	1.2605E-6
130.82265	130.37470	21.61000	0.032373	21.538	-0.0014092	-0.18502	1.1847E-6
133.38780	130.37470	21.61000	0.031663	21.538	-0.0012599	-0.17331	1.1121E-6
135.95295	130.37470	21.61000	0.030884	21.538	-0.0011244	-0.16220	1.0430E-6
138.51810	130.37470	21.61000	0.030049	21.538	-0.0010022	-0.15170	0.0
141.08325	130.37470	21.61000	0.029167	21.538	-892.48E-6	-0.14183	0.0
143.64840	130.37470	21.61000	0.028251	21.538	-794.33E-6	-0.13256	0.0
146.21355	130.37470	21.61000	0.027311	21.538	-706.81E-6	-0.12388	0.0
148.77870	130.37470	21.61000	0.026357	21.538	-628.97E-6	-0.11578	0.0
151.34385	130.37470	21.61000	0.025396	21.538	-559.86E-6	-0.10823	0.0
153.90900	130.37470	21.61000	0.024437	21.538	-498.59E-6	-0.10121	0.0 !
0.00000	132.83460	21.61000	0.023542	21.538	-440.96E-6	-0.089667	0.0

2.56515	132.83460	21.61000	0.024414	21.538	-504.81E-6	-0.096488	0.0
5.13030	132.83460	21.61000	0.025264	21.538	-579.13E-6	-0.10393	0.0
7.69545	132.83460	21.61000	0.026078	21.538	-665.69E-6	-0.11205	0.0
10.26060	132.83460	21.61000	0.026841	21.538	-766.52E-6	-0.12090	0.0
12.82575	132.83460	21.61000	0.027534	21.538	-883.87E-6	-0.13053	0.0
15.39090	132.83460	21.61000	0.028137	21.538	-0.0010202	-0.14100	0.0
17.95605	132.83460	21.61000	0.028628	21.538	-0.0011783	-0.15236	0.0
20.52120	132.83460	21.61000	0.028985	21.538	-0.0013607	-0.16463	1.0498E-6
23.08635	132.83460	21.61000	0.029187	21.538	-0.0015700	-0.17783	1.1299E-6
25.65150	132.83460	21.61000	0.029216	21.538	-0.0018086	-0.19196	1.2151E-6
28.21665	132.83460	21.61000	0.029057	21.538	-0.0020777	-0.20698	1.3051E-6
30.78180	132.83460	21.61000	0.028704	21.538	-0.0023777	-0.22281	1.3992E-6
33.34695	132.83460	21.61000	0.028161	21.538	-0.0027069	-0.23931	1.4967E-6
35.91210	132.83460	21.61000	0.027445	21.538	-0.0030615	-0.25631	1.5965E-6
38.47725	132.83460	21.61000	0.026589	21.538	-0.0034346	-0.27356	1.6972E-6
41.04240	132.83460	21.61000	0.025640	21.538	-0.0038165	-0.29075	1.7971E-6
43.60755	132.83460	21.61000	0.024661	21.538	-0.0041944	-0.30752	1.8944E-6
46.17270	132.83460	21.61000	0.023722	21.538	-0.0045534	-0.32350	1.9872E-6
48.73785	132.83460	21.61000	0.022901	21.538	-0.0048777	-0.33829	2.0733E-6
51.30300	132.83460	21.61000	0.022269	21.538	-0.0051523	-0.35152	2.1511E-6
53.86815	132.83460	21.61000	0.021886	21.538	-0.0053650	-0.36290	2.2189E-6
56.43330	132.83460	21.61000	0.021793	21.538	-0.0055079	-0.37221	2.2756E-6
58.99845	132.83460	21.61000	0.022006	21.538	-0.0055786	-0.37933	2.3205E-6
61.56360	132.83460	21.61000	0.022517	21.538	-0.0055800	-0.38425	2.3535E-6
64.12875	132.83460	21.61000	0.023292	21.538	-0.0055197	-0.38708	2.3749E-6
66.69390	132.83460	21.61000	0.024282	21.538	-0.0054089	-0.38798	2.3854E-6
69.25905	132.83460	21.61000	0.025425	21.538	-0.0052605	-0.38717	2.3859E-6
71.82420	132.83460	21.61000	0.026657	21.538	-0.0050875	-0.38492	2.3778E-6
74.38935	132.83460	21.61000	0.027915	21.538	-0.0049014	-0.38146	2.3621E-6
76.95450	132.83460	21.61000	0.029144	21.538	-0.0047117	-0.37701	2.3398E-6
79.51965	132.83460	21.61000	0.030301	21.538	-0.0045252	-0.37174	2.3120E-6
82.08480	132.83460	21.61000	0.031354	21.538	-0.0043456	-0.36579	2.2793E-6
84.64995	132.83460	21.61000	0.032284	21.538	-0.0041742	-0.35924	2.2422E-6
87.21510	132.83460	21.61000	0.033084	21.538	-0.0040104	-0.35212	2.2011E-6
89.78025	132.83460	21.61000	0.033753	21.538	-0.0038519	-0.34445	2.1560E-6
92.34540	132.83460	21.61000	0.034298	21.538	-0.0036959	-0.33621	2.1070E-6
94.91055	132.83460	21.61000	0.034728	21.538	-0.0035395	-0.32740	2.0542E-6
97.47570	132.83460	21.61000	0.035054	21.538	-0.0033803	-0.31801	1.9976E-6
100.04085	132.83460	21.61000	0.035285	21.538	-0.0032165	-0.30805	1.9374E-6
102.60600	132.83460	21.61000	0.035428	21.538	-0.0030472	-0.29755	1.8737E-6
105.17115	132.83460	21.61000	0.035489	21.538	-0.0028728	-0.28656	1.8070E-6
107.73630	132.83460	21.61000	0.035470	21.538	-0.0026941	-0.27515	1.7377E-6
110.30145	132.83460	21.61000	0.035372	21.538	-0.0025130	-0.26343	1.6663E-6
112.86660	132.83460	21.61000	0.035193	21.538	-0.0023314	-0.25148	1.5934E-6
115.43175	132.83460	21.61000	0.034932	21.538	-0.0021517	-0.23943	1.5198E-6
117.99690	132.83460	21.61000	0.034590	21.538	-0.0019760	-0.22737	1.4460E-6
120.56205	132.83460	21.61000	0.034165	21.538	-0.0018064	-0.21542	1.3726E-6
123.12720	132.83460	21.61000	0.033660	21.538	-0.0016445	-0.20367	1.3003E-6

125.69235	132.83460	21.61000	0.033079	21.538	-0.0014915	-0.19220	1.2295E-6
128.25750	132.83460	21.61000	0.032427	21.538	-0.0013485	-0.18109	1.1607E-6
130.82265	132.83460	21.61000	0.031710	21.538	-0.0012158	-0.17039	1.0942E-6
133.38780	132.83460	21.61000	0.030936	21.538	-0.0010937	-0.16013	1.0304E-6
135.95295	132.83460	21.61000	0.030114	21.538	-981.99E-6	-0.15035	0.0
138.51810	132.83460	21.61000	0.029251	21.538	-880.44E-6	-0.14107	0.0
141.08325	132.83460	21.61000	0.028358	21.538	-788.53E-6	-0.13230	0.0
143.64840	132.83460	21.61000	0.027442	21.538	-705.69E-6	-0.12402	0.0
146.21355	132.83460	21.61000	0.026511	21.538	-631.28E-6	-0.11624	0.0
148.77870	132.83460	21.61000	0.025574	21.538	-564.62E-6	-0.10894	0.0
151.34385	132.83460	21.61000	0.024636	21.538	-505.03E-6	-0.10211	0.0
153.90900	132.83460	21.61000	0.023705	21.538	-451.86E-6	-0.095719	0.0 !
0.00000	135.29450	21.61000	0.022860	21.538	-401.22E-6	-0.085106	0.0
2.56515	135.29450	21.61000	0.023716	21.538	-456.69E-6	-0.091322	0.0
5.13030	135.29450	21.61000	0.024559	21.538	-520.71E-6	-0.098067	0.0
7.69545	135.29450	21.61000	0.025378	21.538	-594.58E-6	-0.10538	0.0
10.26060	135.29450	21.61000	0.026162	21.538	-679.78E-6	-0.11331	0.0
12.82575	135.29450	21.61000	0.026896	21.538	-777.88E-6	-0.12189	0.0
15.39090	135.29450	21.61000	0.027565	21.538	-890.60E-6	-0.13114	0.0
17.95605	135.29450	21.61000	0.028153	21.538	-0.0010197	-0.14111	0.0
20.52120	135.29450	21.61000	0.028645	21.538	-0.0011667	-0.15180	0.0
23.08635	135.29450	21.61000	0.029026	21.538	-0.0013334	-0.16321	1.0414E-6
25.65150	135.29450	21.61000	0.029283	21.538	-0.0015206	-0.17533	1.1151E-6
28.21665	135.29450	21.61000	0.029407	21.538	-0.0017290	-0.18810	1.1925E-6
30.78180	135.29450	21.61000	0.029395	21.538	-0.0019579	-0.20146	1.2728E-6
33.34695	135.29450	21.61000	0.029251	21.538	-0.0022058	-0.21528	1.3556E-6
35.91210	135.29450	21.61000	0.028987	21.538	-0.0024693	-0.22940	1.4398E-6
38.47725	135.29450	21.61000	0.028626	21.538	-0.0027434	-0.24365	1.5243E-6
41.04240	135.29450	21.61000	0.028201	21.538	-0.0030210	-0.25777	1.6079E-6
43.60755	135.29450	21.61000	0.027753	21.538	-0.0032938	-0.27151	1.6891E-6
46.17270	135.29450	21.61000	0.027328	21.538	-0.0035519	-0.28458	1.7664E-6
48.73785	135.29450	21.61000	0.026974	21.538	-0.0037854	-0.29670	1.8383E-6
51.30300	135.29450	21.61000	0.026739	21.538	-0.0039849	-0.30762	1.9035E-6
53.86815	135.29450	21.61000	0.026658	21.538	-0.0041428	-0.31711	1.9608E-6
56.43330	135.29450	21.61000	0.026757	21.538	-0.0042541	-0.32501	2.0094E-6
58.99845	135.29450	21.61000	0.027046	21.538	-0.0043171	-0.33124	2.0486E-6
61.56360	135.29450	21.61000	0.027519	21.538	-0.0043332	-0.33576	2.0783E-6
64.12875	135.29450	21.61000	0.028155	21.538	-0.0043067	-0.33865	2.0988E-6
66.69390	135.29450	21.61000	0.028921	21.538	-0.0042443	-0.33999	2.1103E-6
69.25905	135.29450	21.61000	0.029777	21.538	-0.0041537	-0.33994	2.1136E-6
71.82420	135.29450	21.61000	0.030680	21.538	-0.0040429	-0.33865	2.1094E-6
74.38935	135.29450	21.61000	0.031587	21.538	-0.0039195	-0.33630	2.0986E-6
76.95450	135.29450	21.61000	0.032461	21.538	-0.0037896	-0.33304	2.0820E-6
79.51965	135.29450	21.61000	0.033272	21.538	-0.0036579	-0.32900	2.0601E-6
82.08480	135.29450	21.61000	0.033996	21.538	-0.0035274	-0.32427	2.0337E-6
84.64995	135.29450	21.61000	0.034619	21.538	-0.0033994	-0.31893	2.0030E-6
87.21510	135.29450	21.61000	0.035133	21.538	-0.0032741	-0.31303	1.9684E-6
89.78025	135.29450	21.61000	0.035537	21.538	-0.0031505	-0.30658	1.9302E-6

92.34540	135.29450	21.61000	0.035836	21.538	-0.0030273	-0.29960	1.8883E-6
94.91055	135.29450	21.61000	0.036033	21.538	-0.0029028	-0.29210	1.8430E-6
97.47570	135.29450	21.61000	0.036138	21.538	-0.0027758	-0.28408	1.7943E-6
100.04085	135.29450	21.61000	0.036156	21.538	-0.0026453	-0.27557	1.7424E-6
102.60600	135.29450	21.61000	0.036094	21.538	-0.0025109	-0.26659	1.6876E-6
105.17115	135.29450	21.61000	0.035957	21.538	-0.0023728	-0.25721	1.6302E-6
107.73630	135.29450	21.61000	0.035748	21.538	-0.0022317	-0.24747	1.5705E-6
110.30145	135.29450	21.61000	0.035469	21.538	-0.0020889	-0.23745	1.5090E-6
112.86660	135.29450	21.61000	0.035121	21.538	-0.0019456	-0.22723	1.4463E-6
115.43175	135.29450	21.61000	0.034706	21.538	-0.0018036	-0.21691	1.3827E-6
117.99690	135.29450	21.61000	0.034224	21.538	-0.0016643	-0.20656	1.3189E-6
120.56205	135.29450	21.61000	0.033678	21.538	-0.0015293	-0.19627	1.2553E-6
123.12720	135.29450	21.61000	0.033070	21.538	-0.0013997	-0.18612	1.1924E-6
125.69235	135.29450	21.61000	0.032404	21.538	-0.0012765	-0.17618	1.1307E-6
128.25750	135.29450	21.61000	0.031685	21.538	-0.0011606	-0.16651	1.0705E-6
130.82265	135.29450	21.61000	0.030918	21.538	-0.0010524	-0.15715	1.0120E-6
133.38780	135.29450	21.61000	0.030110	21.538	-952.01E-6	-0.14815	0.0
135.95295	135.29450	21.61000	0.029267	21.538	-859.57E-6	-0.13952	0.0
138.51810	135.29450	21.61000	0.028397	21.538	-774.89E-6	-0.13130	0.0
141.08325	135.29450	21.61000	0.027506	21.538	-697.71E-6	-0.12349	0.0
143.64840	135.29450	21.61000	0.026601	21.538	-627.65E-6	-0.11609	0.0
146.21355	135.29450	21.61000	0.025689	21.538	-564.28E-6	-0.10911	0.0
148.77870	135.29450	21.61000	0.024776	21.538	-507.13E-6	-0.10252	0.0
151.34385	135.29450	21.61000	0.023868	21.538	-455.71E-6	-0.096336	0.0
153.90900	135.29450	21.61000	0.022968	21.538	-409.53E-6	-0.090527	0.0 !
0.00000	137.75440	21.61000	0.022171	21.538	-364.74E-6	-0.080743	0.0
2.56515	137.75440	21.61000	0.023005	21.538	-412.88E-6	-0.086402	0.0
5.13030	137.75440	21.61000	0.023834	21.538	-467.99E-6	-0.092514	0.0
7.69545	137.75440	21.61000	0.024648	21.538	-531.02E-6	-0.099107	0.0
10.26060	137.75440	21.61000	0.025438	21.538	-603.02E-6	-0.10621	0.0
12.82575	137.75440	21.61000	0.026194	21.538	-685.12E-6	-0.11385	0.0
15.39090	137.75440	21.61000	0.026904	21.538	-778.44E-6	-0.12204	0.0
17.95605	137.75440	21.61000	0.027556	21.538	-884.12E-6	-0.13080	0.0
20.52120	137.75440	21.61000	0.028140	21.538	-0.0010032	-0.14014	0.0
23.08635	137.75440	21.61000	0.028644	21.538	-0.0011364	-0.15003	0.0
25.65150	137.75440	21.61000	0.029059	21.538	-0.0012844	-0.16047	1.0249E-6
28.21665	137.75440	21.61000	0.029380	21.538	-0.0014469	-0.17138	1.0916E-6
30.78180	137.75440	21.61000	0.029604	21.538	-0.0016234	-0.18272	1.1606E-6
33.34695	137.75440	21.61000	0.029734	21.538	-0.0018122	-0.19437	1.2311E-6
35.91210	137.75440	21.61000	0.029780	21.538	-0.0020107	-0.20621	1.3026E-6
38.47725	137.75440	21.61000	0.029757	21.538	-0.0022151	-0.21808	1.3740E-6
41.04240	137.75440	21.61000	0.029686	21.538	-0.0024205	-0.22980	1.4444E-6
43.60755	137.75440	21.61000	0.029594	21.538	-0.0026211	-0.24118	1.5126E-6
46.17270	137.75440	21.61000	0.029511	21.538	-0.0028106	-0.25199	1.5776E-6
48.73785	137.75440	21.61000	0.029468	21.538	-0.0029824	-0.26205	1.6381E-6
51.30300	137.75440	21.61000	0.029494	21.538	-0.0031304	-0.27114	1.6932E-6
53.86815	137.75440	21.61000	0.029611	21.538	-0.0032499	-0.27913	1.7420E-6
56.43330	137.75440	21.61000	0.029836	21.538	-0.0033376	-0.28587	1.7837E-6

58.99845	137.75440	21.61000	0.030173	21.538	-0.0033921	-0.29131	1.8180E-6
61.56360	137.75440	21.61000	0.030619	21.538	-0.0034142	-0.29542	1.8446E-6
64.12875	137.75440	21.61000	0.031158	21.538	-0.0034064	-0.29822	1.8637E-6
66.69390	137.75440	21.61000	0.031770	21.538	-0.0033725	-0.29977	1.8755E-6
69.25905	137.75440	21.61000	0.032428	21.538	-0.0033175	-0.30017	1.8804E-6
71.82420	137.75440	21.61000	0.033102	21.538	-0.0032462	-0.29952	1.8789E-6
74.38935	137.75440	21.61000	0.033763	21.538	-0.0031636	-0.29795	1.8717E-6
76.95450	137.75440	21.61000	0.034387	21.538	-0.0030737	-0.29555	1.8592E-6
79.51965	137.75440	21.61000	0.034951	21.538	-0.0029798	-0.29242	1.8420E-6
82.08480	137.75440	21.61000	0.035439	21.538	-0.0028842	-0.28864	1.8205E-6
84.64995	137.75440	21.61000	0.035840	21.538	-0.0027880	-0.28428	1.7951E-6
87.21510	137.75440	21.61000	0.036148	21.538	-0.0026918	-0.27937	1.7660E-6
89.78025	137.75440	21.61000	0.036362	21.538	-0.0025951	-0.27394	1.7335E-6
92.34540	137.75440	21.61000	0.036482	21.538	-0.0024976	-0.26802	1.6977E-6
94.91055	137.75440	21.61000	0.036514	21.538	-0.0023984	-0.26162	1.6588E-6
97.47570	137.75440	21.61000	0.036462	21.538	-0.0022967	-0.25476	1.6168E-6
100.04085	137.75440	21.61000	0.036332	21.538	-0.0021923	-0.24747	1.5721E-6
102.60600	137.75440	21.61000	0.036129	21.538	-0.0020849	-0.23977	1.5248E-6
105.17115	137.75440	21.61000	0.035857	21.538	-0.0019748	-0.23172	1.4752E-6
107.73630	137.75440	21.61000	0.035521	21.538	-0.0018624	-0.22337	1.4237E-6
110.30145	137.75440	21.61000	0.035123	21.538	-0.0017487	-0.21477	1.3706E-6
112.86660	137.75440	21.61000	0.034665	21.538	-0.0016346	-0.20599	1.3162E-6
115.43175	137.75440	21.61000	0.034151	21.538	-0.0015213	-0.19710	1.2612E-6
117.99690	137.75440	21.61000	0.033582	21.538	-0.0014099	-0.18817	1.2058E-6
120.56205	137.75440	21.61000	0.032961	21.538	-0.0013015	-0.17928	1.1505E-6
123.12720	137.75440	21.61000	0.032291	21.538	-0.0011970	-0.17047	1.0956E-6
125.69235	137.75440	21.61000	0.031577	21.538	-0.0010972	-0.16182	1.0416E-6
128.25750	137.75440	21.61000	0.030822	21.538	-0.0010027	-0.15337	0.0
130.82265	137.75440	21.61000	0.030032	21.538	-913.85E-6	-0.14517	0.0
133.38780	137.75440	21.61000	0.029211	21.538	-830.99E-6	-0.13724	0.0
135.95295	137.75440	21.61000	0.028366	21.538	-754.17E-6	-0.12962	0.0
138.51810	137.75440	21.61000	0.027502	21.538	-683.33E-6	-0.12232	0.0
141.08325	137.75440	21.61000	0.026626	21.538	-618.33E-6	-0.11536	0.0
143.64840	137.75440	21.61000	0.025742	21.538	-558.94E-6	-0.10873	0.0
146.21355	137.75440	21.61000	0.024855	21.538	-504.88E-6	-0.10245	0.0
148.77870	137.75440	21.61000	0.023971	21.538	-455.81E-6	-0.096513	0.0
151.34385	137.75440	21.61000	0.023095	21.538	-411.39E-6	-0.090905	0.0
153.90900	137.75440	21.61000	0.022229	21.538	-371.27E-6	-0.085622	0.0 !
0.00000	140.21430	21.61000	0.021477	21.538	-331.39E-6	-0.076580	0.0
2.56515	140.21430	21.61000	0.022286	21.538	-373.15E-6	-0.081732	0.0
5.13030	140.21430	21.61000	0.023095	21.538	-420.57E-6	-0.087269	0.0
7.69545	140.21430	21.61000	0.023896	21.538	-474.37E-6	-0.093212	0.0
10.26060	140.21430	21.61000	0.024681	21.538	-535.27E-6	-0.099581	0.0
12.82575	140.21430	21.61000	0.025444	21.538	-604.07E-6	-0.10639	0.0
15.39090	140.21430	21.61000	0.026175	21.538	-681.51E-6	-0.11365	0.0
17.95605	140.21430	21.61000	0.026865	21.538	-768.31E-6	-0.12137	0.0
20.52120	140.21430	21.61000	0.027506	21.538	-865.07E-6	-0.12954	0.0
23.08635	140.21430	21.61000	0.028090	21.538	-972.19E-6	-0.13815	0.0

25.65150	140.21430	21.61000	0.028611	21.538	-0.0010898	-0.14717	0.0
28.21665	140.21430	21.61000	0.029064	21.538	-0.0012177	-0.15654	1.0013E-6
30.78180	140.21430	21.61000	0.029447	21.538	-0.0013550	-0.16622	1.0607E-6
33.34695	140.21430	21.61000	0.029763	21.538	-0.0015004	-0.17610	1.1211E-6
35.91210	140.21430	21.61000	0.030017	21.538	-0.0016518	-0.18610	1.1821E-6
38.47725	140.21430	21.61000	0.030219	21.538	-0.0018064	-0.19607	1.2428E-6
41.04240	140.21430	21.61000	0.030383	21.538	-0.0019609	-0.20589	1.3025E-6
43.60755	140.21430	21.61000	0.030527	21.538	-0.0021110	-0.21540	1.3602E-6
46.17270	140.21430	21.61000	0.030669	21.538	-0.0022527	-0.22445	1.4152E-6
48.73785	140.21430	21.61000	0.030829	21.538	-0.0023814	-0.23286	1.4665E-6
51.30300	140.21430	21.61000	0.031025	21.538	-0.0024934	-0.24052	1.5134E-6
53.86815	140.21430	21.61000	0.031270	21.538	-0.0025853	-0.24729	1.5551E-6
56.43330	140.21430	21.61000	0.031573	21.538	-0.0026549	-0.25308	1.5911E-6
58.99845	140.21430	21.61000	0.031938	21.538	-0.0027014	-0.25783	1.6211E-6
61.56360	140.21430	21.61000	0.032360	21.538	-0.0027251	-0.26152	1.6449E-6
64.12875	140.21430	21.61000	0.032830	21.538	-0.0027272	-0.26416	1.6625E-6
66.69390	140.21430	21.61000	0.033333	21.538	-0.0027103	-0.26577	1.6741E-6
69.25905	140.21430	21.61000	0.033851	21.538	-0.0026773	-0.26643	1.6798E-6
71.82420	140.21430	21.61000	0.034364	21.538	-0.0026313	-0.26621	1.6802E-6
74.38935	140.21430	21.61000	0.034852	21.538	-0.0025756	-0.26517	1.6754E-6
76.95450	140.21430	21.61000	0.035299	21.538	-0.0025128	-0.26340	1.6661E-6
79.51965	140.21430	21.61000	0.035687	21.538	-0.0024452	-0.26097	1.6525E-6
82.08480	140.21430	21.61000	0.036007	21.538	-0.0023746	-0.25794	1.6350E-6
84.64995	140.21430	21.61000	0.036249	21.538	-0.0023019	-0.25435	1.6139E-6
87.21510	140.21430	21.61000	0.036409	21.538	-0.0022276	-0.25026	1.5894E-6
89.78025	140.21430	21.61000	0.036486	21.538	-0.0021518	-0.24568	1.5617E-6
92.34540	140.21430	21.61000	0.036481	21.538	-0.0020744	-0.24064	1.5311E-6
94.91055	140.21430	21.61000	0.036396	21.538	-0.0019951	-0.23517	1.4976E-6
97.47570	140.21430	21.61000	0.036237	21.538	-0.0019135	-0.22929	1.4614E-6
100.04085	140.21430	21.61000	0.036006	21.538	-0.0018296	-0.22303	1.4227E-6
102.60600	140.21430	21.61000	0.035709	21.538	-0.0017433	-0.21641	1.3818E-6
105.17115	140.21430	21.61000	0.035349	21.538	-0.0016548	-0.20948	1.3389E-6
107.73630	140.21430	21.61000	0.034932	21.538	-0.0015646	-0.20228	1.2942E-6
110.30145	140.21430	21.61000	0.034459	21.538	-0.0014734	-0.19487	1.2481E-6
112.86660	140.21430	21.61000	0.033934	21.538	-0.0013818	-0.18729	1.2010E-6
115.43175	140.21430	21.61000	0.033361	21.538	-0.0012906	-0.17961	1.1531E-6
117.99690	140.21430	21.61000	0.032741	21.538	-0.0012008	-0.17187	1.1048E-6
120.56205	140.21430	21.61000	0.032080	21.538	-0.0011131	-0.16415	1.0565E-6
123.12720	140.21430	21.61000	0.031378	21.538	-0.0010283	-0.15648	1.0085E-6
125.69235	140.21430	21.61000	0.030642	21.538	-946.83E-6	-0.14893	0.0
128.25750	140.21430	21.61000	0.029874	21.538	-869.32E-6	-0.14152	0.0
130.82265	140.21430	21.61000	0.029080	21.538	-796.08E-6	-0.13431	0.0
133.38780	140.21430	21.61000	0.028263	21.538	-727.35E-6	-0.12731	0.0
135.95295	140.21430	21.61000	0.027429	21.538	-663.25E-6	-0.12055	0.0
138.51810	140.21430	21.61000	0.026583	21.538	-603.78E-6	-0.11406	0.0
141.08325	140.21430	21.61000	0.025729	21.538	-548.89E-6	-0.10784	0.0
143.64840	140.21430	21.61000	0.024871	21.538	-498.42E-6	-0.10190	0.0
146.21355	140.21430	21.61000	0.024015	21.538	-452.21E-6	-0.096252	0.0

148.77870	140.21430	21.61000	0.023165	21.538	-410.02E-6	-0.090886	0.0
151.34385	140.21430	21.61000	0.022323	21.538	-371.60E-6	-0.085802	0.0
153.90900	140.21430	21.61000	0.021493	21.538	-336.71E-6	-0.080995	0.0 !
0.00000	142.67420	21.61000	0.020782	21.538	-301.00E-6	-0.072619	0.0
2.56515	142.67420	21.61000	0.021564	21.538	-337.22E-6	-0.077309	0.0
5.13030	142.67420	21.61000	0.022347	21.538	-378.04E-6	-0.082326	0.0
7.69545	142.67420	21.61000	0.023129	21.538	-423.98E-6	-0.087686	0.0
10.26060	142.67420	21.61000	0.023901	21.538	-475.56E-6	-0.093400	0.0
12.82575	142.67420	21.61000	0.024659	21.538	-533.32E-6	-0.099478	0.0
15.39090	142.67420	21.61000	0.025395	21.538	-597.75E-6	-0.10592	0.0
17.95605	142.67420	21.61000	0.026103	21.538	-669.29E-6	-0.11274	0.0
20.52120	142.67420	21.61000	0.026776	21.538	-748.26E-6	-0.11991	0.0
23.08635	142.67420	21.61000	0.027408	21.538	-834.85E-6	-0.12742	0.0
25.65150	142.67420	21.61000	0.027994	21.538	-928.98E-6	-0.13524	0.0
28.21665	142.67420	21.61000	0.028531	21.538	-0.0010303	-0.14333	0.0
30.78180	142.67420	21.61000	0.029018	21.538	-0.0011381	-0.15164	0.0
33.34695	142.67420	21.61000	0.029454	21.538	-0.0012513	-0.16008	1.0236E-6
35.91210	142.67420	21.61000	0.029843	21.538	-0.0013682	-0.16857	1.0759E-6
38.47725	142.67420	21.61000	0.030192	21.538	-0.0014868	-0.17702	1.1279E-6
41.04240	142.67420	21.61000	0.030509	21.538	-0.0016046	-0.18532	1.1788E-6
43.60755	142.67420	21.61000	0.030805	21.538	-0.0017187	-0.19333	1.2280E-6
46.17270	142.67420	21.61000	0.031092	21.538	-0.0018264	-0.20096	1.2748E-6
48.73785	142.67420	21.61000	0.031381	21.538	-0.0019245	-0.20807	1.3185E-6
51.30300	142.67420	21.61000	0.031683	21.538	-0.0020105	-0.21456	1.3586E-6
53.86815	142.67420	21.61000	0.032006	21.538	-0.0020822	-0.22034	1.3945E-6
56.43330	142.67420	21.61000	0.032356	21.538	-0.0021380	-0.22533	1.4257E-6
58.99845	142.67420	21.61000	0.032733	21.538	-0.0021774	-0.22948	1.4521E-6
61.56360	142.67420	21.61000	0.033133	21.538	-0.0022003	-0.23278	1.4733E-6
64.12875	142.67420	21.61000	0.033551	21.538	-0.0022075	-0.23522	1.4893E-6
66.69390	142.67420	21.61000	0.033975	21.538	-0.0022006	-0.23682	1.5004E-6
69.25905	142.67420	21.61000	0.034393	21.538	-0.0021813	-0.23762	1.5065E-6
71.82420	142.67420	21.61000	0.034791	21.538	-0.0021517	-0.23766	1.5080E-6
74.38935	142.67420	21.61000	0.035157	21.538	-0.0021138	-0.23700	1.5051E-6
76.95450	142.67420	21.61000	0.035476	21.538	-0.0020695	-0.23570	1.4981E-6
79.51965	142.67420	21.61000	0.035740	21.538	-0.0020205	-0.23380	1.4873E-6
82.08480	142.67420	21.61000	0.035940	21.538	-0.0019679	-0.23135	1.4730E-6
84.64995	142.67420	21.61000	0.036069	21.538	-0.0019125	-0.22839	1.4554E-6
87.21510	142.67420	21.61000	0.036125	21.538	-0.0018549	-0.22496	1.4347E-6
89.78025	142.67420	21.61000	0.036106	21.538	-0.0017952	-0.22109	1.4111E-6
92.34540	142.67420	21.61000	0.036014	21.538	-0.0017336	-0.21680	1.3848E-6
94.91055	142.67420	21.61000	0.035850	21.538	-0.0016700	-0.21212	1.3559E-6
97.47570	142.67420	21.61000	0.035618	21.538	-0.0016044	-0.20706	1.3247E-6
100.04085	142.67420	21.61000	0.035322	21.538	-0.0015366	-0.20167	1.2912E-6
102.60600	142.67420	21.61000	0.034966	21.538	-0.0014669	-0.19596	1.2557E-6
105.17115	142.67420	21.61000	0.034552	21.538	-0.0013954	-0.18998	1.2184E-6
107.73630	142.67420	21.61000	0.034086	21.538	-0.0013225	-0.18375	1.1796E-6
110.30145	142.67420	21.61000	0.033571	21.538	-0.0012488	-0.17733	1.1395E-6
112.86660	142.67420	21.61000	0.033010	21.538	-0.0011747	-0.17077	1.0985E-6

115.43175	142.67420	21.61000	0.032406	21.538	-0.0011008	-0.16410	1.0567E-6
117.99690	142.67420	21.61000	0.031763	21.538	-0.0010279	-0.15737	1.0145E-6
120.56205	142.67420	21.61000	0.031084	21.538	-956.46E-6	-0.15064	0.0
123.12720	142.67420	21.61000	0.030373	21.538	-887.08E-6	-0.14394	0.0
125.69235	142.67420	21.61000	0.029634	21.538	-820.24E-6	-0.13731	0.0
128.25750	142.67420	21.61000	0.028870	21.538	-756.31E-6	-0.13080	0.0
130.82265	142.67420	21.61000	0.028085	21.538	-695.62E-6	-0.12444	0.0
133.38780	142.67420	21.61000	0.027284	21.538	-638.36E-6	-0.11825	0.0
135.95295	142.67420	21.61000	0.026471	21.538	-584.66E-6	-0.11225	0.0
138.51810	142.67420	21.61000	0.025650	21.538	-534.58E-6	-0.10646	0.0
141.08325	142.67420	21.61000	0.024824	21.538	-488.08E-6	-0.10090	0.0
143.64840	142.67420	21.61000	0.023999	21.538	-445.09E-6	-0.095567	0.0
146.21355	142.67420	21.61000	0.023177	21.538	-405.50E-6	-0.090475	0.0
148.77870	142.67420	21.61000	0.022362	21.538	-369.16E-6	-0.085622	0.0
151.34385	142.67420	21.61000	0.021556	21.538	-335.89E-6	-0.081009	0.0
153.90900	142.67420	21.61000	0.020764	21.538	-305.51E-6	-0.076632	0.0 !
0.00000	145.13410	21.61000	0.020091	21.538	-273.38E-6	-0.068858	0.0
2.56515	145.13410	21.61000	0.020842	21.538	-304.80E-6	-0.073128	0.0
5.13030	145.13410	21.61000	0.021597	21.538	-339.96E-6	-0.077676	0.0
7.69545	145.13410	21.61000	0.022354	21.538	-379.23E-6	-0.082512	0.0
10.26060	145.13410	21.61000	0.023107	21.538	-422.99E-6	-0.087644	0.0
12.82575	145.13410	21.61000	0.023851	21.538	-471.58E-6	-0.093076	0.0
15.39090	145.13410	21.61000	0.024580	21.538	-525.34E-6	-0.098809	0.0
17.95605	145.13410	21.61000	0.025290	21.538	-584.51E-6	-0.10484	0.0
20.52120	145.13410	21.61000	0.025976	21.538	-649.27E-6	-0.11115	0.0
23.08635	145.13410	21.61000	0.026632	21.538	-719.63E-6	-0.11773	0.0
25.65150	145.13410	21.61000	0.027255	21.538	-795.47E-6	-0.12454	0.0
28.21665	145.13410	21.61000	0.027841	21.538	-876.40E-6	-0.13155	0.0
30.78180	145.13410	21.61000	0.028389	21.538	-961.80E-6	-0.13871	0.0
33.34695	145.13410	21.61000	0.028898	21.538	-0.0010507	-0.14596	0.0
35.91210	145.13410	21.61000	0.029372	21.538	-0.0011420	-0.15322	0.0
38.47725	145.13410	21.61000	0.029812	21.538	-0.0012340	-0.16043	1.0267E-6
41.04240	145.13410	21.61000	0.030224	21.538	-0.0013251	-0.16749	1.0704E-6
43.60755	145.13410	21.61000	0.030615	21.538	-0.0014131	-0.17430	1.1126E-6
46.17270	145.13410	21.61000	0.030990	21.538	-0.0014961	-0.18078	1.1527E-6
48.73785	145.13410	21.61000	0.031358	21.538	-0.0015720	-0.18683	1.1902E-6
51.30300	145.13410	21.61000	0.031724	21.538	-0.0016390	-0.19237	1.2247E-6
53.86815	145.13410	21.61000	0.032092	21.538	-0.0016956	-0.19733	1.2557E-6
56.43330	145.13410	21.61000	0.032465	21.538	-0.0017408	-0.20165	1.2829E-6
58.99845	145.13410	21.61000	0.032842	21.538	-0.0017739	-0.20530	1.3060E-6
61.56360	145.13410	21.61000	0.033222	21.538	-0.0017950	-0.20824	1.3249E-6
64.12875	145.13410	21.61000	0.033597	21.538	-0.0018045	-0.21047	1.3395E-6
66.69390	145.13410	21.61000	0.033962	21.538	-0.0018033	-0.21200	1.3498E-6
69.25905	145.13410	21.61000	0.034307	21.538	-0.0017926	-0.21286	1.3560E-6
71.82420	145.13410	21.61000	0.034623	21.538	-0.0017736	-0.21307	1.3582E-6
74.38935	145.13410	21.61000	0.034900	21.538	-0.0017478	-0.21267	1.3566E-6
76.95450	145.13410	21.61000	0.035130	21.538	-0.0017164	-0.21171	1.3513E-6
79.51965	145.13410	21.61000	0.035305	21.538	-0.0016804	-0.21021	1.3428E-6

82.08480	145.13410	21.61000	0.035420	21.538	-0.0016409	-0.20822	1.3310E-6
84.64995	145.13410	21.61000	0.035470	21.538	-0.0015985	-0.20578	1.3163E-6
87.21510	145.13410	21.61000	0.035453	21.538	-0.0015535	-0.20289	1.2988E-6
89.78025	145.13410	21.61000	0.035369	21.538	-0.0015064	-0.19961	1.2786E-6
92.34540	145.13410	21.61000	0.035218	21.538	-0.0014572	-0.19595	1.2560E-6
94.91055	145.13410	21.61000	0.035003	21.538	-0.0014061	-0.19193	1.2311E-6
97.47570	145.13410	21.61000	0.034726	21.538	-0.0013530	-0.18757	1.2040E-6
100.04085	145.13410	21.61000	0.034390	21.538	-0.0012981	-0.18291	1.1750E-6
102.60600	145.13410	21.61000	0.033998	21.538	-0.0012415	-0.17798	1.1441E-6
105.17115	145.13410	21.61000	0.033556	21.538	-0.0011834	-0.17279	1.1117E-6
107.73630	145.13410	21.61000	0.033065	21.538	-0.0011242	-0.16739	1.0779E-6
110.30145	145.13410	21.61000	0.032530	21.538	-0.0010642	-0.16182	1.0429E-6
112.86660	145.13410	21.61000	0.031954	21.538	-0.0010038	-0.15611	1.0070E-6
115.43175	145.13410	21.61000	0.031340	21.538	-943.59E-6	-0.15029	0.0
117.99690	145.13410	21.61000	0.030693	21.538	-883.97E-6	-0.14442	0.0
120.56205	145.13410	21.61000	0.030015	21.538	-825.42E-6	-0.13853	0.0
123.12720	145.13410	21.61000	0.029310	21.538	-768.36E-6	-0.13266	0.0
125.69235	145.13410	21.61000	0.028581	21.538	-713.18E-6	-0.12683	0.0
128.25750	145.13410	21.61000	0.027832	21.538	-660.19E-6	-0.12109	0.0
130.82265	145.13410	21.61000	0.027068	21.538	-609.65E-6	-0.11547	0.0
133.38780	145.13410	21.61000	0.026290	21.538	-561.74E-6	-0.10997	0.0
135.95295	145.13410	21.61000	0.025505	21.538	-516.59E-6	-0.10463	0.0
138.51810	145.13410	21.61000	0.024714	21.538	-474.26E-6	-0.099463	0.0
141.08325	145.13410	21.61000	0.023921	21.538	-434.75E-6	-0.094478	0.0
143.64840	145.13410	21.61000	0.023130	21.538	-398.05E-6	-0.089686	0.0
146.21355	145.13410	21.61000	0.022344	21.538	-364.06E-6	-0.085092	0.0
148.77870	145.13410	21.61000	0.021566	21.538	-332.70E-6	-0.080700	0.0
151.34385	145.13410	21.61000	0.020798	21.538	-303.85E-6	-0.076511	0.0
153.90900	145.13410	21.61000	0.020043	21.538	-277.38E-6	-0.072523	0.0 !
0.00000	147.59400	21.61000	0.019405	21.538	-248.32E-6	-0.065293	0.0 !
2.56515	147.59400	21.61000	0.020124	21.538	-275.59E-6	-0.069181	0.0 !
5.13030	147.59400	21.61000	0.020850	21.538	-305.91E-6	-0.073306	0.0 !
7.69545	147.59400	21.61000	0.021578	21.538	-339.53E-6	-0.077673	0.0 !
10.26060	147.59400	21.61000	0.022306	21.538	-376.71E-6	-0.082288	0.0 !
12.82575	147.59400	21.61000	0.023029	21.538	-417.70E-6	-0.087150	0.0 !
15.39090	147.59400	21.61000	0.023744	21.538	-462.69E-6	-0.092257	0.0 !
17.95605	147.59400	21.61000	0.024445	21.538	-511.82E-6	-0.097602	0.0 !
20.52120	147.59400	21.61000	0.025128	21.538	-565.16E-6	-0.10317	0.0 !
23.08635	147.59400	21.61000	0.025790	21.538	-622.66E-6	-0.10895	0.0 !
25.65150	147.59400	21.61000	0.026428	21.538	-684.14E-6	-0.11490	0.0 !
28.21665	147.59400	21.61000	0.027037	21.538	-749.25E-6	-0.12101	0.0 !
30.78180	147.59400	21.61000	0.027618	21.538	-817.46E-6	-0.12721	0.0 !
33.34695	147.59400	21.61000	0.028168	21.538	-888.03E-6	-0.13347	0.0 !
35.91210	147.59400	21.61000	0.028689	21.538	-960.02E-6	-0.13972	0.0 !
38.47725	147.59400	21.61000	0.029182	21.538	-0.0010323	-0.14590	0.0 !
41.04240	147.59400	21.61000	0.029649	21.538	-0.0011035	-0.15195	0.0 !
43.60755	147.59400	21.61000	0.030094	21.538	-0.0011722	-0.15778	1.0114E-6 !

46.17270	147.59400	21.61000	0.030520	21.538	-0.0012371	-0.16332	1.0460E-6 !
48.73785	147.59400	21.61000	0.030931	21.538	-0.0012965	-0.16850	1.0784E-6 !
51.30300	147.59400	21.61000	0.031331	21.538	-0.0013494	-0.17327	1.1082E-6 !
53.86815	147.59400	21.61000	0.031721	21.538	-0.0013946	-0.17755	1.1351E-6 !
56.43330	147.59400	21.61000	0.032102	21.538	-0.0014313	-0.18130	1.1588E-6 !
58.99845	147.59400	21.61000	0.032472	21.538	-0.0014592	-0.18450	1.1791E-6 !
61.56360	147.59400	21.61000	0.032831	21.538	-0.0014781	-0.18711	1.1959E-6 !
64.12875	147.59400	21.61000	0.033172	21.538	-0.0014883	-0.18914	1.2091E-6 !
66.69390	147.59400	21.61000	0.033491	21.538	-0.0014903	-0.19058	1.2187E-6 !
69.25905	147.59400	21.61000	0.033782	21.538	-0.0014849	-0.19145	1.2247E-6 !
71.82420	147.59400	21.61000	0.034037	21.538	-0.0014729	-0.19176	1.2273E-6 !
74.38935	147.59400	21.61000	0.034251	21.538	-0.0014553	-0.19155	1.2266E-6 !
76.95450	147.59400	21.61000	0.034416	21.538	-0.0014328	-0.19084	1.2228E-6 !
79.51965	147.59400	21.61000	0.034529	21.538	-0.0014062	-0.18966	1.2159E-6 !
82.08480	147.59400	21.61000	0.034584	21.538	-0.0013763	-0.18804	1.2062E-6 !
84.64995	147.59400	21.61000	0.034579	21.538	-0.0013436	-0.18600	1.1938E-6 !
87.21510	147.59400	21.61000	0.034513	21.538	-0.0013084	-0.18357	1.1790E-6 !
89.78025	147.59400	21.61000	0.034386	21.538	-0.0012710	-0.18077	1.1617E-6 !
92.34540	147.59400	21.61000	0.034198	21.538	-0.0012315	-0.17764	1.1423E-6 !
94.91055	147.59400	21.61000	0.033950	21.538	-0.0011902	-0.17418	1.1207E-6 !
97.47570	147.59400	21.61000	0.033647	21.538	-0.0011472	-0.17042	1.0972E-6 !
100.04085	147.59400	21.61000	0.033290	21.538	-0.0011025	-0.16638	1.0720E-6 !
102.60600	147.59400	21.61000	0.032882	21.538	-0.0010563	-0.16210	1.0451E-6 !
105.17115	147.59400	21.61000	0.032427	21.538	-0.0010089	-0.15760	1.0168E-6 !
107.73630	147.59400	21.61000	0.031929	21.538	-960.49E-6	-0.15290	0.0 !
110.30145	147.59400	21.61000	0.031390	21.538	-911.40E-6	-0.14804	0.0 !
112.86660	147.59400	21.61000	0.030815	21.538	-861.96E-6	-0.14305	0.0 !
115.43175	147.59400	21.61000	0.030206	21.538	-812.54E-6	-0.13797	0.0 !
117.99690	147.59400	21.61000	0.029567	21.538	-763.51E-6	-0.13283	0.0 !
120.56205	147.59400	21.61000	0.028902	21.538	-715.24E-6	-0.12766	0.0 !
123.12720	147.59400	21.61000	0.028213	21.538	-668.05E-6	-0.12249	0.0 !
125.69235	147.59400	21.61000	0.027504	21.538	-622.26E-6	-0.11736	0.0 !
128.25750	147.59400	21.61000	0.026779	21.538	-578.12E-6	-0.11228	0.0 !
130.82265	147.59400	21.61000	0.026041	21.538	-535.84E-6	-0.10729	0.0 !
133.38780	147.59400	21.61000	0.025294	21.538	-495.60E-6	-0.10240	0.0 !
135.95295	147.59400	21.61000	0.024540	21.538	-457.49E-6	-0.097641	0.0 !
138.51810	147.59400	21.61000	0.023783	21.538	-421.60E-6	-0.093017	0.0 !
141.08325	147.59400	21.61000	0.023026	21.538	-387.94E-6	-0.088542	0.0 !
143.64840	147.59400	21.61000	0.022271	21.538	-356.51E-6	-0.084227	0.0 !
146.21355	147.59400	21.61000	0.021523	21.538	-327.27E-6	-0.080078	0.0 !
148.77870	147.59400	21.61000	0.020782	21.538	-300.17E-6	-0.076098	0.0 !
151.34385	147.59400	21.61000	0.020052	21.538	-275.11E-6	-0.072291	0.0 !
153.90900	147.59400	21.61000	0.019335	21.538	-252.00E-6	-0.068655	0.0 !