

34.00000	75.00000	40.20000	-0.12583	37.561	-0.063074	-1.2724	3.2418E-6	
35.00000	75.00000	40.20000	-0.10811	37.561	-0.050761	-1.1339	3.0074E-6	
36.00000	75.00000	40.20000	-0.092830	37.561	-0.041224	-1.0147	2.7827E-6	
37.00000	75.00000	40.20000	-0.079641	37.561	-0.033763	-0.91157	2.5711E-6	
38.00000	75.00000	40.20000	-0.068237	37.561	-0.027871	-0.82197	2.3744E-6	
39.00000	75.00000	40.20000	-0.058364	37.561	-0.023177	-0.74372	2.1928E-6	
40.00000	75.00000	40.20000	-0.049809	37.561	-0.019405	-0.67510	2.0260E-6	
41.00000	75.00000	40.20000	-0.042388	37.561	-0.016351	-0.61467	1.8733E-6	!
42.00000	75.00000	40.20000	-0.035946	37.561	-0.013861	-0.56125	1.7338E-6	!
43.00000	75.00000	40.20000	-0.030351	37.561	-0.011815	-0.51384	1.6064E-6	!
44.00000	75.00000	40.20000	-0.025489	37.561	-0.010124	-0.47163	1.4901E-6	!
45.00000	75.00000	40.20000	-0.021264	37.561	-0.0087175	-0.43393	1.3839E-6	!
46.00000	75.00000	40.20000	-0.017591	37.561	-0.0075411	-0.40014	1.2870E-6	!
47.00000	75.00000	40.20000	-0.014398	37.561	-0.0065518	-0.36977	1.1984E-6	!
48.00000	75.00000	40.20000	-0.011623	37.561	-0.0057155	-0.34240	1.1173E-6	!
49.00000	75.00000	40.20000	-0.0092114	37.561	-0.0050052	-0.31767	1.0431E-6	!
50.00000	75.00000	40.20000	-0.0071176	37.561	-0.0043991	-0.29527	0.0	!
-10.00000	76.00000	40.20000	-0.28008	37.561	-0.11062	-2.3225	6.0155E-6	
-9.00000	76.00000	40.20000	-0.32712	37.561	-0.14330	-2.6914	6.6423E-6	
-8.00000	76.00000	40.20000	-0.38299	37.561	-0.18928	-3.1469	7.2937E-6	
-7.00000	76.00000	40.20000	-0.44983	37.561	-0.25570	-3.7174	7.9174E-6	
-6.00000	76.00000	40.20000	-0.53049	37.561	-0.35459	-4.4437	8.3996E-6	
-5.00000	76.00000	40.20000	-0.62894	37.561	-0.50698	-5.3859	8.5003E-6	
-4.00000	76.00000	40.20000	-0.75099	37.561	-0.75109	-6.6339	7.7150E-6	
-3.00000	76.00000	40.20000	-0.90572	37.561	-1.1592	-8.3258	4.9706E-6	
-2.00000	76.00000	40.20000	-1.1086	37.561	-1.8735	-10.676	-2.0510E-6	
-1.00000	76.00000	40.20000	-1.3887	37.561	-3.1810	-14.012	-18.401E-6	
0.00000	76.00000	40.20000	-1.8029	37.561	-5.6546	-18.814	-54.806E-6	
1.00000	76.00000	40.20000	-2.4536	37.561	-10.307	-25.648	-131.27E-6	
2.00000	76.00000	40.20000	-3.4524	37.561	-18.220	-34.749	-270.42E-6	
3.00000	76.00000	40.20000	-4.7011	37.561	-28.483	-45.157	-455.99E-6	
4.00000	76.00000	40.20000	-5.8214	37.561	-37.639	-55.054	-619.32E-6	
5.00000	76.00000	40.20000	-6.7924	37.561	-45.582	-63.980	-759.78E-6	
6.00000	76.00000	40.20000	-7.6647	37.561	-52.779	-71.237	-890.08E-6	
7.00000	76.00000	40.20000	-7.8721	37.561	-53.937	-73.941	-905.45E-6	
8.00000	76.00000	40.20000	-7.3318	37.561	-48.399	-72.071	-791.74E-6	
9.00000	76.00000	40.20000	-7.0561	37.561	-45.797	-70.358	-741.34E-6	
10.00000	76.00000	40.20000	-7.3815	37.561	-49.310	-70.348	-817.81E-6	
11.00000	76.00000	40.20000	-7.3479	37.561	-49.838	-67.807	-838.52E-6	
12.00000	76.00000	40.20000	-6.6248	37.561	-44.098	-60.774	-739.13E-6	
13.00000	76.00000	40.20000	-5.5887	37.561	-35.509	-50.888	-588.09E-6	
14.00000	76.00000	40.20000	-4.1722	37.561	-23.493	-39.222	-368.94E-6	
15.00000	76.00000	40.20000	-2.8510	37.561	-12.497	-28.641	-168.06E-6	
16.00000	76.00000	40.20000	-2.1657	37.561	-7.5135	-21.698	-84.798E-6	
17.00000	76.00000	40.20000	-1.7894	37.561	-5.4325	-17.312	-55.422E-6	
18.00000	76.00000	40.20000	-1.5072	37.561	-4.1441	-14.191	-38.708E-6	
19.00000	76.00000	40.20000	-1.2785	37.561	-3.2178	-11.798	-27.231E-6	
20.00000	76.00000	40.20000	-1.0875	37.561	-2.5045	-9.8856	-18.644E-6	
21.00000	76.00000	40.20000	-0.92471	37.561	-1.9286	-8.3139	-11.814E-6	
22.00000	76.00000	40.20000	-0.78538	37.561	-1.4618	-7.0049	-6.4032E-6	
23.00000	76.00000	40.20000	-0.66686	37.561	-1.0929	-5.9122	-2.3396E-6	
24.00000	76.00000	40.20000	-0.56677	37.561	-0.81083	-5.0033	0.0	
25.00000	76.00000	40.20000	-0.48258	37.561	-0.60070	-4.2501	2.3421E-6	
26.00000	76.00000	40.20000	-0.41176	37.561	-0.44666	-3.6270	3.4346E-6	

27.00000	76.00000	40.20000	-0.35207	37.561	-0.33448	-3.1115	4.0060E-6	
28.00000	76.00000	40.20000	-0.30158	37.561	-0.25277	-2.6840	4.2333E-6	
29.00000	76.00000	40.20000	-0.25872	37.561	-0.19298	-2.3281	4.2435E-6	
30.00000	76.00000	40.20000	-0.22222	37.561	-0.14890	-2.0303	4.1231E-6	
31.00000	76.00000	40.20000	-0.19103	37.561	-0.11610	-1.7800	3.9290E-6	
32.00000	76.00000	40.20000	-0.16432	37.561	-0.091457	-1.5684	3.6978E-6	
33.00000	76.00000	40.20000	-0.14137	37.561	-0.072755	-1.3885	3.4524E-6	
34.00000	76.00000	40.20000	-0.12163	37.561	-0.058420	-1.2348	3.2069E-6	
35.00000	76.00000	40.20000	-0.10460	37.561	-0.047323	-1.1028	2.9694E-6	
36.00000	76.00000	40.20000	-0.089898	37.561	-0.038654	-0.98874	2.7446E-6	
37.00000	76.00000	40.20000	-0.077180	37.561	-0.031818	-0.88981	2.5345E-6	
38.00000	76.00000	40.20000	-0.066167	37.561	-0.026384	-0.80360	2.3401E-6	
39.00000	76.00000	40.20000	-0.056619	37.561	-0.022027	-0.72812	2.1612E-6	
40.00000	76.00000	40.20000	-0.048334	37.561	-0.018509	-0.66178	1.9972E-6	
41.00000	76.00000	40.20000	-0.041139	37.561	-0.015646	-0.60324	1.8472E-6	!
42.00000	76.00000	40.20000	-0.034888	37.561	-0.013300	-0.55139	1.7102E-6	!
43.00000	76.00000	40.20000	-0.029453	37.561	-0.011366	-0.50531	1.5852E-6	!
44.00000	76.00000	40.20000	-0.024726	37.561	-0.0097623	-0.46421	1.4710E-6	!
45.00000	76.00000	40.20000	-0.020615	37.561	-0.0084239	-0.42745	1.3668E-6	!
46.00000	76.00000	40.20000	-0.017039	37.561	-0.0073011	-0.39446	1.2716E-6	!
47.00000	76.00000	40.20000	-0.013928	37.561	-0.0063544	-0.36478	1.1846E-6	!
48.00000	76.00000	40.20000	-0.011222	37.561	-0.0055522	-0.33800	1.1049E-6	!
49.00000	76.00000	40.20000	-0.0088705	37.561	-0.0048693	-0.31377	1.0319E-6	!
50.00000	76.00000	40.20000	-0.0068273	37.561	-0.0042854	-0.29180	0.0	!
-10.00000	77.00000	40.20000	-0.27272	37.561	-0.10577	-2.2634	5.9068E-6	
-9.00000	77.00000	40.20000	-0.31863	37.561	-0.13713	-2.6225	6.5265E-6	
-8.00000	77.00000	40.20000	-0.37323	37.561	-0.18135	-3.0664	7.1743E-6	
-7.00000	77.00000	40.20000	-0.43864	37.561	-0.24539	-3.6235	7.8010E-6	
-6.00000	77.00000	40.20000	-0.51772	37.561	-0.34106	-4.3345	8.2980E-6	
-5.00000	77.00000	40.20000	-0.61447	37.561	-0.48902	-5.2597	8.4337E-6	
-4.00000	77.00000	40.20000	-0.73471	37.561	-0.72704	-6.4900	7.7161E-6	
-3.00000	77.00000	40.20000	-0.88760	37.561	-1.1270	-8.1655	5.0888E-6	
-2.00000	77.00000	40.20000	-1.0888	37.561	-1.8314	-10.505	-1.7532E-6	
-1.00000	77.00000	40.20000	-1.3677	37.561	-3.1304	-13.850	-17.888E-6	
0.00000	77.00000	40.20000	-1.7827	37.561	-5.6099	-18.702	-54.242E-6	
1.00000	77.00000	40.20000	-2.4404	37.561	-10.328	-25.679	-131.60E-6	
2.00000	77.00000	40.20000	-3.4652	37.561	-18.488	-35.103	-274.97E-6	
3.00000	77.00000	40.20000	-4.7807	37.561	-29.386	-46.103	-472.22E-6	
4.00000	77.00000	40.20000	-5.9978	37.561	-39.466	-56.786	-652.79E-6	
5.00000	77.00000	40.20000	-7.0328	37.561	-48.045	-66.521	-804.16E-6	
6.00000	77.00000	40.20000	-7.9952	37.561	-56.174	-74.985	-950.35E-6	
7.00000	77.00000	40.20000	-8.5120	37.561	-60.358	-79.966	-0.0010233	
8.00000	77.00000	40.20000	-8.4358	37.561	-59.267	-80.733	-996.81E-6	
9.00000	77.00000	40.20000	-8.2873	37.561	-57.869	-79.702	-970.13E-6	
10.00000	77.00000	40.20000	-8.2461	37.561	-57.872	-77.776	-977.18E-6	
11.00000	77.00000	40.20000	-7.8301	37.561	-54.691	-72.889	-925.69E-6	
12.00000	77.00000	40.20000	-6.9660	37.561	-47.531	-64.610	-799.90E-6	
13.00000	77.00000	40.20000	-5.8896	37.561	-38.534	-54.254	-641.70E-6	
14.00000	77.00000	40.20000	-4.4409	37.561	-26.217	-42.259	-417.19E-6	
15.00000	77.00000	40.20000	-3.0455	37.561	-14.516	-31.019	-203.36E-6	
16.00000	77.00000	40.20000	-2.2408	37.561	-8.3903	-23.070	-98.899E-6	
17.00000	77.00000	40.20000	-1.7741	37.561	-5.4445	-17.777	-53.998E-6	
18.00000	77.00000	40.20000	-1.4477	37.561	-3.7400	-14.065	-30.373E-6	
19.00000	77.00000	40.20000	-1.2041	37.561	-2.6855	-11.366	-17.217E-6	

20.00000	77.00000	40.20000	-1.0140	37.561	-1.9933	-9.3396	-9.5031E-6	
21.00000	77.00000	40.20000	-0.85962	37.561	-1.5040	-7.7674	-4.5563E-6	
22.00000	77.00000	40.20000	-0.73118	37.561	-1.1391	-6.5142	-1.1611E-6	
23.00000	77.00000	40.20000	-0.62318	37.561	-0.86136	-5.4974	1.1940E-6	
24.00000	77.00000	40.20000	-0.53204	37.561	-0.65032	-4.6643	2.7650E-6	
25.00000	77.00000	40.20000	-0.45499	37.561	-0.49132	-3.9780	3.7355E-6	
26.00000	77.00000	40.20000	-0.38975	37.561	-0.37248	-3.4103	4.2627E-6	
27.00000	77.00000	40.20000	-0.33438	37.561	-0.28402	-2.9392	4.4789E-6	
28.00000	77.00000	40.20000	-0.28726	37.561	-0.21818	-2.5466	4.4878E-6	
29.00000	77.00000	40.20000	-0.24705	37.561	-0.16901	-2.2180	4.3662E-6	
30.00000	77.00000	40.20000	-0.21265	37.561	-0.13208	-1.9417	4.1676E-6	
31.00000	77.00000	40.20000	-0.18314	37.561	-0.10415	-1.7081	3.9283E-6	
32.00000	77.00000	40.20000	-0.15778	37.561	-0.082856	-1.5097	3.6720E-6	
33.00000	77.00000	40.20000	-0.13594	37.561	-0.066488	-1.3403	3.4137E-6	
34.00000	77.00000	40.20000	-0.11709	37.561	-0.053796	-1.1949	3.1626E-6	
35.00000	77.00000	40.20000	-0.10080	37.561	-0.043873	-1.0695	2.9238E-6	
36.00000	77.00000	40.20000	-0.086710	37.561	-0.036050	-0.96085	2.7001E-6	
37.00000	77.00000	40.20000	-0.074497	37.561	-0.029833	-0.86630	2.4925E-6	
38.00000	77.00000	40.20000	-0.063903	37.561	-0.024854	-0.78367	2.3011E-6	
39.00000	77.00000	40.20000	-0.054706	37.561	-0.020838	-0.71114	2.1255E-6	
40.00000	77.00000	40.20000	-0.046714	37.561	-0.017576	-0.64724	1.9648E-6	
41.00000	77.00000	40.20000	-0.039766	37.561	-0.014907	-0.59073	1.8179E-6	!
42.00000	77.00000	40.20000	-0.033722	37.561	-0.012712	-0.54057	1.6838E-6	!
43.00000	77.00000	40.20000	-0.028463	37.561	-0.010894	-0.49592	1.5614E-6	!
44.00000	77.00000	40.20000	-0.023884	37.561	-0.0093796	-0.45603	1.4497E-6	!
45.00000	77.00000	40.20000	-0.019898	37.561	-0.0081122	-0.42029	1.3477E-6	!
46.00000	77.00000	40.20000	-0.016428	37.561	-0.0070456	-0.38818	1.2544E-6	!
47.00000	77.00000	40.20000	-0.013408	37.561	-0.0061437	-0.35924	1.1691E-6	!
48.00000	77.00000	40.20000	-0.010779	37.561	-0.0053775	-0.33311	1.0910E-6	!
49.00000	77.00000	40.20000	-0.0084930	37.561	-0.0047237	-0.30944	1.0194E-6	!
50.00000	77.00000	40.20000	-0.0065057	37.561	-0.0041634	-0.28795	0.0	!
-10.00000	78.00000	40.20000	-0.26411	37.561	-0.10039	-2.1951	5.7759E-6	
-9.00000	78.00000	40.20000	-0.30855	37.561	-0.13011	-2.5411	6.3843E-6	
-8.00000	78.00000	40.20000	-0.36140	37.561	-0.17201	-2.9690	7.0243E-6	
-7.00000	78.00000	40.20000	-0.42473	37.561	-0.23272	-3.5060	7.6507E-6	
-6.00000	78.00000	40.20000	-0.50131	37.561	-0.32343	-4.1916	8.1632E-6	
-5.00000	78.00000	40.20000	-0.59502	37.561	-0.46382	-5.0841	8.3453E-6	
-4.00000	78.00000	40.20000	-0.71150	37.561	-0.68991	-6.2719	7.7332E-6	
-3.00000	78.00000	40.20000	-0.85962	37.561	-1.0706	-7.8913	5.3238E-6	
-2.00000	78.00000	40.20000	-1.0546	37.561	-1.7430	-10.157	-1.0918E-6	
-1.00000	78.00000	40.20000	-1.3250	37.561	-2.9892	-13.405	-16.431E-6	
0.00000	78.00000	40.20000	-1.7284	37.561	-5.3853	-18.138	-51.403E-6	
1.00000	78.00000	40.20000	-2.3706	37.561	-9.9822	-24.984	-126.60E-6	
2.00000	78.00000	40.20000	-3.3743	37.561	-17.969	-34.290	-266.63E-6	
3.00000	78.00000	40.20000	-4.6498	37.561	-28.522	-45.176	-456.78E-6	
4.00000	78.00000	40.20000	-5.7914	37.561	-37.935	-55.748	-623.25E-6	
5.00000	78.00000	40.20000	-6.7979	37.561	-46.301	-65.713	-769.16E-6	
6.00000	78.00000	40.20000	-7.9065	37.561	-55.873	-75.293	-942.67E-6	
7.00000	78.00000	40.20000	-8.7495	37.561	-63.217	-82.350	-0.0010769	
8.00000	78.00000	40.20000	-9.0456	37.561	-65.704	-85.298	-0.0011203	
9.00000	78.00000	40.20000	-8.9978	37.561	-65.262	-84.869	-0.0011123	
10.00000	78.00000	40.20000	-8.6679	37.561	-62.486	-81.444	-0.0010643	
11.00000	78.00000	40.20000	-7.8781	37.561	-55.692	-74.496	-941.63E-6	
12.00000	78.00000	40.20000	-6.8390	37.561	-46.810	-65.142	-782.28E-6	

13.00000	78.00000	40.20000	-5.8529	37.561	-38.615	-55.027	-640.66E-6	
14.00000	78.00000	40.20000	-4.6136	37.561	-28.232	-43.817	-455.39E-6	
15.00000	78.00000	40.20000	-3.2594	37.561	-16.891	-32.649	-249.12E-6	
16.00000	78.00000	40.20000	-2.3236	37.561	-9.5013	-23.950	-119.88E-6	
17.00000	78.00000	40.20000	-1.7582	37.561	-5.5859	-17.923	-56.546E-6	
18.00000	78.00000	40.20000	-1.3936	37.561	-3.4942	-13.789	-26.023E-6	
19.00000	78.00000	40.20000	-1.1405	37.561	-2.3352	-10.903	-11.273E-6	
20.00000	78.00000	40.20000	-0.95215	37.561	-1.6513	-8.8229	-3.9345E-6	
21.00000	78.00000	40.20000	-0.80423	37.561	-1.2132	-7.2695	0.0	
22.00000	78.00000	40.20000	-0.68381	37.561	-0.91070	-6.0696	2.1956E-6	
23.00000	78.00000	40.20000	-0.58375	37.561	-0.69102	-5.1182	3.5254E-6	
24.00000	78.00000	40.20000	-0.49966	37.561	-0.52735	-4.3497	4.2996E-6	
25.00000	78.00000	40.20000	-0.42854	37.561	-0.40420	-3.7210	4.6992E-6	
26.00000	78.00000	40.20000	-0.36815	37.561	-0.31127	-3.2022	4.8397E-6	
27.00000	78.00000	40.20000	-0.31670	37.561	-0.24106	-2.7710	4.8040E-6	
28.00000	78.00000	40.20000	-0.27273	37.561	-0.18789	-2.4106	4.6538E-6	
29.00000	78.00000	40.20000	-0.23507	37.561	-0.14751	-2.1078	4.4341E-6	
30.00000	78.00000	40.20000	-0.20273	37.561	-0.11668	-1.8519	4.1770E-6	
31.00000	78.00000	40.20000	-0.17491	37.561	-0.093004	-1.6346	3.9040E-6	
32.00000	78.00000	40.20000	-0.15092	37.561	-0.074707	-1.4491	3.6297E-6	
33.00000	78.00000	40.20000	-0.13020	37.561	-0.060465	-1.2901	3.3629E-6	
34.00000	78.00000	40.20000	-0.11228	37.561	-0.049299	-1.1531	3.1089E-6	
35.00000	78.00000	40.20000	-0.096762	37.561	-0.040480	-1.0345	2.8707E-6	
36.00000	78.00000	40.20000	-0.083304	37.561	-0.033465	-0.93137	2.6494E-6	
37.00000	78.00000	40.20000	-0.071622	37.561	-0.027845	-0.84134	2.4452E-6	
38.00000	78.00000	40.20000	-0.061473	37.561	-0.023311	-0.76242	2.2576E-6	
39.00000	78.00000	40.20000	-0.052648	37.561	-0.019630	-0.69297	2.0859E-6	
40.00000	78.00000	40.20000	-0.044969	37.561	-0.016622	-0.63162	1.9289E-6	
41.00000	78.00000	40.20000	-0.038284	37.561	-0.014149	-0.57725	1.7855E-6	!
42.00000	78.00000	40.20000	-0.032463	37.561	-0.012104	-0.52890	1.6547E-6	!
43.00000	78.00000	40.20000	-0.027391	37.561	-0.010403	-0.48576	1.5352E-6	!
44.00000	78.00000	40.20000	-0.022971	37.561	-0.0089814	-0.44716	1.4262E-6	!
45.00000	78.00000	40.20000	-0.019121	37.561	-0.0077867	-0.41252	1.3266E-6	!
46.00000	78.00000	40.20000	-0.015765	37.561	-0.0067780	-0.38134	1.2354E-6	!
47.00000	78.00000	40.20000	-0.012843	37.561	-0.0059224	-0.35322	1.1521E-6	!
48.00000	78.00000	40.20000	-0.010297	37.561	-0.0051935	-0.32777	1.0757E-6	!
49.00000	78.00000	40.20000	-0.0080822	37.561	-0.0045699	-0.30470	1.0056E-6	!
50.00000	78.00000	40.20000	-0.0061555	37.561	-0.0040344	-0.28374	0.0	!
-10.00000	79.00000	40.20000	-0.25430	37.561	-0.094520	-2.1178	5.6236E-6	
-9.00000	79.00000	40.20000	-0.29693	37.561	-0.12227	-2.4479	6.2168E-6	
-8.00000	79.00000	40.20000	-0.34756	37.561	-0.16133	-2.8554	6.8446E-6	
-7.00000	79.00000	40.20000	-0.40817	37.561	-0.21776	-3.3658	7.4675E-6	
-6.00000	79.00000	40.20000	-0.48134	37.561	-0.30186	-4.0160	7.9959E-6	
-5.00000	79.00000	40.20000	-0.57069	37.561	-0.43161	-4.8606	8.2355E-6	
-4.00000	79.00000	40.20000	-0.68147	37.561	-0.63988	-5.9815	7.7688E-6	
-3.00000	79.00000	40.20000	-0.82186	37.561	-0.98948	-7.5055	5.6884E-6	
-2.00000	79.00000	40.20000	-1.0058	37.561	-1.6058	-9.6314	0.0	
-1.00000	79.00000	40.20000	-1.2598	37.561	-2.7480	-12.673	-13.836E-6	
0.00000	79.00000	40.20000	-1.6371	37.561	-4.9516	-17.105	-45.711E-6	
1.00000	79.00000	40.20000	-2.2380	37.561	-9.2122	-23.534	-115.10E-6	
2.00000	79.00000	40.20000	-3.1831	37.561	-16.700	-32.337	-246.11E-6	
3.00000	79.00000	40.20000	-4.3948	37.561	-26.711	-42.748	-426.17E-6	
4.00000	79.00000	40.20000	-5.4894	37.561	-35.740	-53.002	-585.46E-6	
5.00000	79.00000	40.20000	-6.4772	37.561	-43.986	-62.850	-729.15E-6	

6.00000	79.00000	40.20000	-7.6052	37.561	-53.792	-72.594	-907.18E-6	
7.00000	79.00000	40.20000	-8.5289	37.561	-61.954	-80.253	-0.0010570	
8.00000	79.00000	40.20000	-8.9427	37.561	-65.597	-84.019	-0.0011226	
9.00000	79.00000	40.20000	-8.9358	37.561	-65.544	-83.916	-0.0011218	
10.00000	79.00000	40.20000	-8.5282	37.561	-61.990	-80.096	-0.0010584	
11.00000	79.00000	40.20000	-7.6473	37.561	-54.268	-72.656	-917.33E-6	
12.00000	79.00000	40.20000	-6.5906	37.561	-45.161	-63.288	-753.14E-6	
13.00000	79.00000	40.20000	-5.6923	37.561	-37.749	-53.771	-626.37E-6	
14.00000	79.00000	40.20000	-4.6271	37.561	-28.953	-43.515	-472.16E-6	
15.00000	79.00000	40.20000	-3.3426	37.561	-18.216	-32.816	-277.35E-6	
16.00000	79.00000	40.20000	-2.3321	37.561	-10.070	-23.877	-132.52E-6	
17.00000	79.00000	40.20000	-1.7087	37.561	-5.5447	-17.533	-57.066E-6	
18.00000	79.00000	40.20000	-1.3281	37.561	-3.2483	-13.251	-22.624E-6	
19.00000	79.00000	40.20000	-1.0759	37.561	-2.0587	-10.335	-7.3152E-6	
20.00000	79.00000	40.20000	-0.89353	37.561	-1.4001	-8.2838	0.0	
21.00000	79.00000	40.20000	-0.75292	37.561	-1.0035	-6.7849	2.7701E-6	
22.00000	79.00000	40.20000	-0.63990	37.561	-0.74455	-5.6492	4.2862E-6	
23.00000	79.00000	40.20000	-0.54674	37.561	-0.56418	-4.7623	4.9945E-6	
24.00000	79.00000	40.20000	-0.46877	37.561	-0.43303	-4.0534	5.2772E-6	
25.00000	79.00000	40.20000	-0.40290	37.561	-0.33524	-3.4770	5.3146E-6	
26.00000	79.00000	40.20000	-0.34689	37.561	-0.26131	-3.0023	5.2019E-6	
27.00000	79.00000	40.20000	-0.29907	37.561	-0.20496	-2.6077	4.9968E-6	
28.00000	79.00000	40.20000	-0.25810	37.561	-0.16179	-2.2771	4.7374E-6	
29.00000	79.00000	40.20000	-0.22289	37.561	-0.12854	-1.9983	4.4498E-6	
30.00000	79.00000	40.20000	-0.19258	37.561	-0.10281	-1.7618	4.1522E-6	
31.00000	79.00000	40.20000	-0.16642	37.561	-0.082787	-1.5602	3.8567E-6	
32.00000	79.00000	40.20000	-0.14380	37.561	-0.067116	-1.3874	3.5711E-6	
33.00000	79.00000	40.20000	-0.12422	37.561	-0.054776	-1.2387	3.3001E-6	
34.00000	79.00000	40.20000	-0.10725	37.561	-0.044997	-1.1100	3.0462E-6	
35.00000	79.00000	40.20000	-0.092520	37.561	-0.037198	-0.99816	2.8104E-6	
36.00000	79.00000	40.20000	-0.079720	37.561	-0.030939	-0.90063	2.5929E-6	
37.00000	79.00000	40.20000	-0.068590	37.561	-0.025885	-0.81519	2.3930E-6	
38.00000	79.00000	40.20000	-0.058903	37.561	-0.021779	-0.74008	2.2100E-6	
39.00000	79.00000	40.20000	-0.050467	37.561	-0.018422	-0.67380	2.0427E-6	
40.00000	79.00000	40.20000	-0.043116	37.561	-0.015663	-0.61510	1.8898E-6	
41.00000	79.00000	40.20000	-0.036708	37.561	-0.013382	-0.56296	1.7504E-6	!
42.00000	79.00000	40.20000	-0.031121	37.561	-0.011486	-0.51648	1.6231E-6	!
43.00000	79.00000	40.20000	-0.026248	37.561	-0.0099021	-0.47493	1.5069E-6	!
44.00000	79.00000	40.20000	-0.021997	37.561	-0.0085727	-0.43768	1.4007E-6	!
45.00000	79.00000	40.20000	-0.018290	37.561	-0.0074514	-0.40420	1.3037E-6	!
46.00000	79.00000	40.20000	-0.015057	37.561	-0.0065014	-0.37401	1.2149E-6	!
47.00000	79.00000	40.20000	-0.012238	37.561	-0.0056930	-0.34674	1.1336E-6	!
48.00000	79.00000	40.20000	-0.0097813	37.561	-0.0050022	-0.32203	1.0590E-6	!
49.00000	79.00000	40.20000	-0.0076419	37.561	-0.0044097	-0.29960	0.0	!
50.00000	79.00000	40.20000	-0.0057801	37.561	-0.0038995	-0.27920	0.0	!
-10.00000	80.00000	40.20000	-0.24340	37.561	-0.088219	-2.0326	5.4516E-6	
-9.00000	80.00000	40.20000	-0.28389	37.561	-0.11375	-2.3440	6.0255E-6	
-8.00000	80.00000	40.20000	-0.33189	37.561	-0.14950	-2.7271	6.6369E-6	
-7.00000	80.00000	40.20000	-0.38917	37.561	-0.20088	-3.2052	7.2525E-6	
-6.00000	80.00000	40.20000	-0.45811	37.561	-0.27696	-3.8115	7.7960E-6	
-5.00000	80.00000	40.20000	-0.54193	37.561	-0.39344	-4.5947	8.1016E-6	
-4.00000	80.00000	40.20000	-0.64529	37.561	-0.57880	-5.6274	7.8138E-6	
-3.00000	80.00000	40.20000	-0.77530	37.561	-0.88690	-7.0210	6.1637E-6	
-2.00000	80.00000	40.20000	-0.94394	37.561	-1.4244	-8.9488	1.4587E-6	

-1.00000	80.00000	40.20000	-1.1736	37.561	-2.4106	-11.682	-10.087E-6	
0.00000	80.00000	40.20000	-1.5093	37.561	-4.2992	-15.633	-36.851E-6	
1.00000	80.00000	40.20000	-2.0375	37.561	-7.9519	-21.345	-95.615E-6	
2.00000	80.00000	40.20000	-2.8734	37.561	-14.492	-29.226	-209.33E-6	
3.00000	80.00000	40.20000	-3.9978	37.561	-23.766	-38.823	-376.32E-6	
4.00000	80.00000	40.20000	-5.1206	37.561	-33.126	-48.693	-544.21E-6	
5.00000	80.00000	40.20000	-6.1188	37.561	-41.514	-58.076	-692.68E-6	
6.00000	80.00000	40.20000	-7.0703	37.561	-49.701	-66.737	-839.42E-6	
7.00000	80.00000	40.20000	-7.7950	37.561	-56.019	-73.355	-952.88E-6	
8.00000	80.00000	40.20000	-8.1381	37.561	-59.006	-76.744	-0.0010056	
9.00000	80.00000	40.20000	-8.1421	37.561	-59.052	-76.774	-0.0010065	
10.00000	80.00000	40.20000	-7.8150	37.561	-56.236	-73.512	-957.05E-6	
11.00000	80.00000	40.20000	-7.1269	37.561	-50.288	-67.181	-850.57E-6	
12.00000	80.00000	40.20000	-6.2460	37.561	-42.784	-58.985	-717.02E-6	
13.00000	80.00000	40.20000	-5.3599	37.561	-35.449	-50.160	-589.41E-6	
14.00000	80.00000	40.20000	-4.3104	37.561	-26.749	-40.584	-434.85E-6	
15.00000	80.00000	40.20000	-3.1268	37.561	-16.884	-30.743	-255.90E-6	
16.00000	80.00000	40.20000	-2.1877	37.561	-9.3280	-22.423	-121.65E-6	
17.00000	80.00000	40.20000	-1.5992	37.561	-5.0519	-16.433	-50.329E-6	
18.00000	80.00000	40.20000	-1.2404	37.561	-2.8901	-12.377	-18.001E-6	
19.00000	80.00000	40.20000	-1.0038	37.561	-1.7876	-9.6206	-4.0062E-6	
20.00000	80.00000	40.20000	-0.83327	37.561	-1.1898	-7.6916	2.0036E-6	
21.00000	80.00000	40.20000	-0.70219	37.561	-0.83941	-6.2909	4.5490E-6	
22.00000	80.00000	40.20000	-0.59718	37.561	-0.61729	-5.2371	5.5607E-6	
23.00000	80.00000	40.20000	-0.51084	37.561	-0.46676	-4.4197	5.8719E-6	
24.00000	80.00000	40.20000	-0.43869	37.561	-0.35945	-3.7698	5.8499E-6	
25.00000	80.00000	40.20000	-0.37774	37.561	-0.28026	-3.2430	5.6625E-6	
26.00000	80.00000	40.20000	-0.32587	37.561	-0.22051	-2.8096	5.3911E-6	
27.00000	80.00000	40.20000	-0.28151	37.561	-0.17478	-2.4490	5.0784E-6	
28.00000	80.00000	40.20000	-0.24341	37.561	-0.13946	-2.1463	4.7491E-6	
29.00000	80.00000	40.20000	-0.21059	37.561	-0.11197	-1.8903	4.4185E-6	
30.00000	80.00000	40.20000	-0.18226	37.561	-0.090465	-1.6723	4.0961E-6	
31.00000	80.00000	40.20000	-0.15774	37.561	-0.073535	-1.4857	3.7879E-6	
32.00000	80.00000	40.20000	-0.13650	37.561	-0.060135	-1.3252	3.4973E-6	
33.00000	80.00000	40.20000	-0.11807	37.561	-0.049471	-1.1864	3.2262E-6	
34.00000	80.00000	40.20000	-0.10205	37.561	-0.040936	-1.0660	2.9750E-6	
35.00000	80.00000	40.20000	-0.088122	37.561	-0.034066	-0.96091	2.7435E-6	
36.00000	80.00000	40.20000	-0.075995	37.561	-0.028505	-0.86894	2.5310E-6	
37.00000	80.00000	40.20000	-0.065430	37.561	-0.023980	-0.78814	2.3364E-6	
38.00000	80.00000	40.20000	-0.056219	37.561	-0.020276	-0.71687	2.1585E-6	
39.00000	80.00000	40.20000	-0.048184	37.561	-0.017229	-0.65381	1.9961E-6	
40.00000	80.00000	40.20000	-0.041174	37.561	-0.014709	-0.59782	1.8479E-6	
41.00000	80.00000	40.20000	-0.035054	37.561	-0.012614	-0.54796	1.7127E-6	!
42.00000	80.00000	40.20000	-0.029710	37.561	-0.010865	-0.50342	1.5892E-6	!
43.00000	80.00000	40.20000	-0.025044	37.561	-0.0093962	-0.46352	1.4765E-6	!
44.00000	80.00000	40.20000	-0.020970	37.561	-0.0081583	-0.42768	1.3734E-6	!
45.00000	80.00000	40.20000	-0.017413	37.561	-0.0071101	-0.39539	1.2792E-6	!
46.00000	80.00000	40.20000	-0.014308	37.561	-0.0062188	-0.36624	1.1929E-6	!
47.00000	80.00000	40.20000	-0.011598	37.561	-0.0054578	-0.33986	1.1137E-6	!
48.00000	80.00000	40.20000	-0.0092355	37.561	-0.0048056	-0.31593	1.0411E-6	!
49.00000	80.00000	40.20000	-0.0071760	37.561	-0.0042446	-0.29417	0.0	!
50.00000	80.00000	40.20000	-0.0053826	37.561	-0.0037603	-0.27435	0.0	!
-10.00000	81.00000	40.20000	-0.23153	37.561	-0.081605	-1.9406	5.2619E-6	
-9.00000	81.00000	40.20000	-0.26963	37.561	-0.10471	-2.2312	5.8128E-6	

-8.00000	81.00000	40.20000	-0.31463	37.561	-0.13685	-2.5869	6.4036E-6	
-7.00000	81.00000	40.20000	-0.36812	37.561	-0.18263	-3.0281	7.0075E-6	
-6.00000	81.00000	40.20000	-0.43216	37.561	-0.24971	-3.5837	7.5629E-6	
-5.00000	81.00000	40.20000	-0.50953	37.561	-0.35115	-4.2954	7.9364E-6	
-4.00000	81.00000	40.20000	-0.60412	37.561	-0.51016	-5.2242	7.8450E-6	
-3.00000	81.00000	40.20000	-0.72175	37.561	-0.76973	-6.4621	6.6861E-6	
-2.00000	81.00000	40.20000	-0.87184	37.561	-1.2128	-8.1489	3.1617E-6	
-1.00000	81.00000	40.20000	-1.0713	37.561	-2.0052	-10.499	-5.5583E-6	
0.00000	81.00000	40.20000	-1.3529	37.561	-3.4798	-13.829	-25.565E-6	
1.00000	81.00000	40.20000	-1.7778	37.561	-6.2550	-18.554	-68.816E-6	
2.00000	81.00000	40.20000	-2.4302	37.561	-11.166	-25.013	-152.25E-6	
3.00000	81.00000	40.20000	-3.3237	37.561	-18.376	-33.003	-280.15E-6	
4.00000	81.00000	40.20000	-4.2947	37.561	-26.402	-41.540	-423.83E-6	
5.00000	81.00000	40.20000	-5.1774	37.561	-33.755	-49.629	-554.49E-6	
6.00000	81.00000	40.20000	-5.9021	37.561	-39.833	-56.570	-661.56E-6	
7.00000	81.00000	40.20000	-6.3930	37.561	-43.952	-61.586	-732.99E-6	
8.00000	81.00000	40.20000	-6.6266	37.561	-45.897	-64.165	-765.97E-6	
9.00000	81.00000	40.20000	-6.6320	37.561	-45.949	-64.233	-766.87E-6	
10.00000	81.00000	40.20000	-6.4127	37.561	-44.145	-61.826	-736.33E-6	
11.00000	81.00000	40.20000	-5.9479	37.561	-40.281	-57.081	-669.46E-6	
12.00000	81.00000	40.20000	-5.2759	37.561	-34.708	-50.555	-571.88E-6	
13.00000	81.00000	40.20000	-4.4788	37.561	-28.159	-42.973	-456.87E-6	
14.00000	81.00000	40.20000	-3.5675	37.561	-20.676	-34.741	-323.90E-6	
15.00000	81.00000	40.20000	-2.6397	37.561	-13.114	-26.601	-188.88E-6	
16.00000	81.00000	40.20000	-1.9120	37.561	-7.4535	-19.751	-90.553E-6	
17.00000	81.00000	40.20000	-1.4360	37.561	-4.1497	-14.707	-36.956E-6	
18.00000	81.00000	40.20000	-1.1313	37.561	-2.4127	-11.200	-11.879E-6	
19.00000	81.00000	40.20000	-0.92302	37.561	-1.5003	-8.7685	0.0	
20.00000	81.00000	40.20000	-0.76973	37.561	-0.99731	-7.0428	3.8404E-6	
21.00000	81.00000	40.20000	-0.65054	37.561	-0.70109	-5.7798	5.7053E-6	
22.00000	81.00000	40.20000	-0.55449	37.561	-0.51430	-4.8258	6.3102E-6	
23.00000	81.00000	40.20000	-0.47530	37.561	-0.38900	-4.0848	6.3493E-6	
24.00000	81.00000	40.20000	-0.40898	37.561	-0.30057	-3.4953	6.1354E-6	
25.00000	81.00000	40.20000	-0.35287	37.561	-0.23575	-3.0171	5.8119E-6	
26.00000	81.00000	40.20000	-0.30502	37.561	-0.18693	-2.6233	5.4460E-6	
27.00000	81.00000	40.20000	-0.26401	37.561	-0.14948	-2.2950	5.0702E-6	
28.00000	81.00000	40.20000	-0.22871	37.561	-0.12039	-2.0186	4.7010E-6	
29.00000	81.00000	40.20000	-0.19822	37.561	-0.097574	-1.7841	4.3470E-6	
30.00000	81.00000	40.20000	-0.17184	37.561	-0.079551	-1.5838	4.0126E-6	
31.00000	81.00000	40.20000	-0.14896	37.561	-0.065225	-1.4116	3.7000E-6	
32.00000	81.00000	40.20000	-0.12908	37.561	-0.053775	-1.2629	3.4099E-6	
33.00000	81.00000	40.20000	-0.11179	37.561	-0.044574	-1.1339	3.1422E-6	
34.00000	81.00000	40.20000	-0.096733	37.561	-0.037142	-1.0215	2.8961E-6	
35.00000	81.00000	40.20000	-0.083610	37.561	-0.031109	-0.92305	2.6705E-6	
36.00000	81.00000	40.20000	-0.072163	37.561	-0.026185	-0.83661	2.4642E-6	
37.00000	81.00000	40.20000	-0.062172	37.561	-0.022147	-0.76041	2.2757E-6	
38.00000	81.00000	40.20000	-0.053446	37.561	-0.018820	-0.69301	2.1037E-6	
39.00000	81.00000	40.20000	-0.045823	37.561	-0.016064	-0.63319	1.9467E-6	
40.00000	81.00000	40.20000	-0.039160	37.561	-0.013772	-0.57994	1.8035E-6	
41.00000	81.00000	40.20000	-0.033336	37.561	-0.011856	-0.53240	1.6728E-6	!
42.00000	81.00000	40.20000	-0.028244	37.561	-0.010247	-0.48983	1.5534E-6	!
43.00000	81.00000	40.20000	-0.023792	37.561	-0.0088910	-0.45161	1.4443E-6	!
44.00000	81.00000	40.20000	-0.019900	37.561	-0.0077426	-0.41721	1.3445E-6	!
45.00000	81.00000	40.20000	-0.016498	37.561	-0.0067663	-0.38617	1.2532E-6	!

46.00000	81.00000	40.20000	-0.013526	37.561	-0.0059331	-0.35809	1.1695E-6	!
47.00000	81.00000	40.20000	-0.010930	37.561	-0.0052193	-0.33263	1.0927E-6	!
48.00000	81.00000	40.20000	-0.0086645	37.561	-0.0046056	-0.30950	1.0222E-6	!
49.00000	81.00000	40.20000	-0.0066884	37.561	-0.0040761	-0.28844	0.0	!
50.00000	81.00000	40.20000	-0.0049663	37.561	-0.0036177	-0.26923	0.0	!
-10.00000	82.00000	40.20000	-0.21889	37.561	-0.074817	-1.8434	5.0570E-6	
-9.00000	82.00000	40.20000	-0.25439	37.561	-0.095408	-2.1116	5.5817E-6	
-8.00000	82.00000	40.20000	-0.29613	37.561	-0.12376	-2.4378	6.1476E-6	
-7.00000	82.00000	40.20000	-0.34548	37.561	-0.16369	-2.8392	6.7348E-6	
-6.00000	82.00000	40.20000	-0.40417	37.561	-0.22136	-3.3401	7.2961E-6	
-5.00000	82.00000	40.20000	-0.47447	37.561	-0.30708	-3.9743	7.7310E-6	
-4.00000	82.00000	40.20000	-0.55949	37.561	-0.43860	-4.7907	7.8297E-6	
-3.00000	82.00000	40.20000	-0.66364	37.561	-0.64764	-5.8601	7.1595E-6	
-2.00000	82.00000	40.20000	-0.79369	37.561	-0.99270	-7.2868	4.8255E-6	
-1.00000	82.00000	40.20000	-0.96086	37.561	-1.5840	-9.2227	-1.0196E-6	
0.00000	82.00000	40.20000	-1.1850	37.561	-2.6269	-11.879	-14.078E-6	
1.00000	82.00000	40.20000	-1.4994	37.561	-4.4706	-15.514	-41.014E-6	
2.00000	82.00000	40.20000	-1.9456	37.561	-7.5476	-20.319	-90.543E-6	
3.00000	82.00000	40.20000	-2.5317	37.561	-11.975	-26.177	-165.64E-6	
4.00000	82.00000	40.20000	-3.1867	37.561	-17.131	-32.515	-254.83E-6	
5.00000	82.00000	40.20000	-3.8062	37.561	-22.078	-38.563	-340.54E-6	
6.00000	82.00000	40.20000	-4.3009	37.561	-26.026	-43.621	-408.10E-6	
7.00000	82.00000	40.20000	-4.6215	37.561	-28.549	-47.171	-450.12E-6	
8.00000	82.00000	40.20000	-4.7740	37.561	-29.726	-48.993	-469.14E-6	
9.00000	82.00000	40.20000	-4.7786	37.561	-29.766	-49.063	-469.75E-6	
10.00000	82.00000	40.20000	-4.6371	37.561	-28.685	-47.399	-452.25E-6	
11.00000	82.00000	40.20000	-4.3333	37.561	-26.316	-44.063	-412.81E-6	
12.00000	82.00000	40.20000	-3.8695	37.561	-22.656	-39.302	-350.45E-6	
13.00000	82.00000	40.20000	-3.2960	37.561	-18.136	-33.592	-272.81E-6	
14.00000	82.00000	40.20000	-2.6729	37.561	-13.266	-27.463	-189.07E-6	
15.00000	82.00000	40.20000	-2.0748	37.561	-8.7004	-21.545	-111.18E-6	
16.00000	82.00000	40.20000	-1.5930	37.561	-5.2557	-16.513	-54.473E-6	
17.00000	82.00000	40.20000	-1.2501	37.561	-3.1093	-12.657	-21.756E-6	
18.00000	82.00000	40.20000	-1.0108	37.561	-1.8920	-9.8519	-5.4403E-6	
19.00000	82.00000	40.20000	-0.83671	37.561	-1.2109	-7.8318	2.0549E-6	
20.00000	82.00000	40.20000	-0.70365	37.561	-0.81800	-6.3577	5.2575E-6	
21.00000	82.00000	40.20000	-0.59790	37.561	-0.57996	-5.2576	6.4473E-6	
22.00000	82.00000	40.20000	-0.51160	37.561	-0.42761	-4.4158	6.7095E-6	
23.00000	82.00000	40.20000	-0.43987	37.561	-0.32484	-3.7562	6.5536E-6	
24.00000	82.00000	40.20000	-0.37950	37.561	-0.25226	-3.2284	6.2187E-6	
25.00000	82.00000	40.20000	-0.32821	37.561	-0.19908	-2.7984	5.8166E-6	
26.00000	82.00000	40.20000	-0.28434	37.561	-0.15900	-2.4430	5.3997E-6	
27.00000	82.00000	40.20000	-0.24662	37.561	-0.12816	-2.1456	4.9922E-6	
28.00000	82.00000	40.20000	-0.21406	37.561	-0.10408	-1.8943	4.6049E-6	
29.00000	82.00000	40.20000	-0.18586	37.561	-0.085071	-1.6803	4.2424E-6	
30.00000	82.00000	40.20000	-0.16140	37.561	-0.069935	-1.4967	3.9061E-6	
31.00000	82.00000	40.20000	-0.14012	37.561	-0.057802	-1.3384	3.5958E-6	
32.00000	82.00000	40.20000	-0.12159	37.561	-0.048019	-1.2011	3.3107E-6	
33.00000	82.00000	40.20000	-0.10544	37.561	-0.040089	-1.0814	3.0495E-6	
34.00000	82.00000	40.20000	-0.091338	37.561	-0.033628	-0.97679	2.8106E-6	
35.00000	82.00000	40.20000	-0.079023	37.561	-0.028341	-0.88489	2.5924E-6	
36.00000	82.00000	40.20000	-0.068259	37.561	-0.023993	-0.80389	2.3932E-6	
37.00000	82.00000	40.20000	-0.058845	37.561	-0.020401	-0.73225	2.2116E-6	
38.00000	82.00000	40.20000	-0.050610	37.561	-0.017421	-0.66868	2.0459E-6	



39.00000	82.00000	40.20000	-0.043402	37.561	-0.014938	-0.61210	1.8947E-6	
40.00000	82.00000	40.20000	-0.037093	37.561	-0.012860	-0.56160	1.7568E-6	
41.00000	82.00000	40.20000	-0.031569	37.561	-0.011113	-0.51639	1.6309E-6	!
42.00000	82.00000	40.20000	-0.026734	37.561	-0.0096394	-0.47581	1.5158E-6	!
43.00000	82.00000	40.20000	-0.022500	37.561	-0.0083910	-0.43930	1.4105E-6	!
44.00000	82.00000	40.20000	-0.018795	37.561	-0.0073293	-0.40637	1.3142E-6	!
45.00000	82.00000	40.20000	-0.015553	37.561	-0.0064231	-0.37659	1.2259E-6	!
46.00000	82.00000	40.20000	-0.012718	37.561	-0.0056468	-0.34960	1.1450E-6	!
47.00000	82.00000	40.20000	-0.010239	37.561	-0.0049794	-0.32510	1.0706E-6	!
48.00000	82.00000	40.20000	-0.0080731	37.561	-0.0044037	-0.30279	1.0022E-6	!
49.00000	82.00000	40.20000	-0.0061829	37.561	-0.0039056	-0.28245	0.0	!
50.00000	82.00000	40.20000	-0.0045346	37.561	-0.0034731	-0.26387	0.0	!
-10.00000	83.00000	40.20000	-0.20567	37.561	-0.068010	-1.7426	4.8398E-6	
-9.00000	83.00000	40.20000	-0.23844	37.561	-0.086077	-1.9877	5.3353E-6	
-8.00000	83.00000	40.20000	-0.27677	37.561	-0.11066	-2.2833	5.8726E-6	
-7.00000	83.00000	40.20000	-0.32179	37.561	-0.14477	-2.6438	6.4374E-6	
-6.00000	83.00000	40.20000	-0.37488	37.561	-0.19320	-3.0884	6.9961E-6	
-5.00000	83.00000	40.20000	-0.43786	37.561	-0.26363	-3.6437	7.4775E-6	
-4.00000	83.00000	40.20000	-0.51306	37.561	-0.36885	-4.3466	7.7372E-6	
-3.00000	83.00000	40.20000	-0.60360	37.561	-0.53053	-5.2485	7.4899E-6	
-2.00000	83.00000	40.20000	-0.71392	37.561	-0.78618	-6.4209	6.1790E-6	
-1.00000	83.00000	40.20000	-0.85058	37.561	-1.2007	-7.9610	2.7439E-6	
0.00000	83.00000	40.20000	-1.0236	37.561	-1.8826	-9.9919	-4.7276E-6	
1.00000	83.00000	40.20000	-1.2472	37.561	-2.9917	-12.643	-19.244E-6	
2.00000	83.00000	40.20000	-1.5353	37.561	-4.6951	-15.989	-44.177E-6	
3.00000	83.00000	40.20000	-1.8866	37.561	-7.0216	-19.934	-80.493E-6	
4.00000	83.00000	40.20000	-2.2712	37.561	-9.7300	-24.157	-124.11E-6	
5.00000	83.00000	40.20000	-2.6388	37.561	-12.387	-28.189	-167.31E-6	
6.00000	83.00000	40.20000	-2.9371	37.561	-14.543	-31.559	-201.98E-6	
7.00000	83.00000	40.20000	-3.1356	37.561	-15.948	-33.930	-223.95E-6	
8.00000	83.00000	40.20000	-3.2330	37.561	-16.620	-35.159	-234.12E-6	
9.00000	83.00000	40.20000	-3.2367	37.561	-16.648	-35.219	-234.51E-6	
10.00000	83.00000	40.20000	-3.1477	37.561	-16.038	-34.118	-225.25E-6	
11.00000	83.00000	40.20000	-2.9602	37.561	-14.724	-31.902	-204.68E-6	
12.00000	83.00000	40.20000	-2.6783	37.561	-12.711	-28.722	-172.42E-6	
13.00000	83.00000	40.20000	-2.3313	37.561	-10.236	-24.884	-132.49E-6	
14.00000	83.00000	40.20000	-1.9608	37.561	-7.6455	-20.784	-90.987E-6	
15.00000	83.00000	40.20000	-1.6075	37.561	-5.2809	-16.831	-53.869E-6	
16.00000	83.00000	40.20000	-1.3071	37.561	-3.4376	-13.384	-26.264E-6	
17.00000	83.00000	40.20000	-1.0713	37.561	-2.1910	-10.611	-9.1920E-6	
18.00000	83.00000	40.20000	-0.89041	37.561	-1.4153	-8.4849	0.0	
19.00000	83.00000	40.20000	-0.74950	37.561	-0.94492	-6.8813	4.3946E-6	
20.00000	83.00000	40.20000	-0.63697	37.561	-0.65639	-5.6682	6.2733E-6	
21.00000	83.00000	40.20000	-0.54509	37.561	-0.47375	-4.7382	6.8746E-6	
22.00000	83.00000	40.20000	-0.46881	37.561	-0.35343	-4.0125	6.8611E-6	
23.00000	83.00000	40.20000	-0.40471	37.561	-0.27081	-3.4359	6.5675E-6	
24.00000	83.00000	40.20000	-0.35032	37.561	-0.21187	-2.9697	6.1594E-6	
25.00000	83.00000	40.20000	-0.30384	37.561	-0.16841	-2.5870	5.7172E-6	
26.00000	83.00000	40.20000	-0.26389	37.561	-0.13550	-2.2687	5.2788E-6	
27.00000	83.00000	40.20000	-0.22940	37.561	-0.11006	-2.0009	4.8614E-6	
28.00000	83.00000	40.20000	-0.19953	37.561	-0.090082	-1.7736	4.4717E-6	
29.00000	83.00000	40.20000	-0.17358	37.561	-0.074207	-1.5790	4.1117E-6	
30.00000	83.00000	40.20000	-0.15099	37.561	-0.061476	-1.4115	3.7811E-6	
31.00000	83.00000	40.20000	-0.13129	37.561	-0.051191	-1.2663	3.4784E-6	

32.00000	83.00000	40.20000	-0.11410	37.561	-0.042832	-1.1399	3.2019E-6	
33.00000	83.00000	40.20000	-0.099062	37.561	-0.036002	-1.0294	2.9496E-6	
34.00000	83.00000	40.20000	-0.085911	37.561	-0.030394	-0.93229	2.7196E-6	
35.00000	83.00000	40.20000	-0.074398	37.561	-0.025768	-0.84671	2.5099E-6	
36.00000	83.00000	40.20000	-0.064314	37.561	-0.021937	-0.77102	2.3187E-6	
37.00000	83.00000	40.20000	-0.055478	37.561	-0.018750	-0.70385	2.1445E-6	
38.00000	83.00000	40.20000	-0.047733	37.561	-0.016089	-0.64406	1.9856E-6	
39.00000	83.00000	40.20000	-0.040943	37.561	-0.013857	-0.59069	1.8406E-6	
40.00000	83.00000	40.20000	-0.034989	37.561	-0.011979	-0.54292	1.7082E-6	
41.00000	83.00000	40.20000	-0.029769	37.561	-0.010392	-0.50004	1.5873E-6	!
42.00000	83.00000	40.20000	-0.025193	37.561	-0.0090458	-0.46146	1.4767E-6	!
43.00000	83.00000	40.20000	-0.021181	37.561	-0.0079002	-0.42667	1.3754E-6	!
44.00000	83.00000	40.20000	-0.017665	37.561	-0.0069218	-0.39522	1.2826E-6	!
45.00000	83.00000	40.20000	-0.014585	37.561	-0.0060833	-0.36672	1.1975E-6	!
46.00000	83.00000	40.20000	-0.011889	37.561	-0.0053622	-0.34084	1.1194E-6	!
47.00000	83.00000	40.20000	-0.0095291	37.561	-0.0047401	-0.31730	1.0475E-6	!
48.00000	83.00000	40.20000	-0.0074659	37.561	-0.0042017	-0.29584	0.0	!
49.00000	83.00000	40.20000	-0.0056635	37.561	-0.0037344	-0.27624	0.0	!
50.00000	83.00000	40.20000	-0.0040907	37.561	-0.0033275	-0.25830	0.0	!
-10.00000	84.00000	40.20000	-0.19210	37.561	-0.061330	-1.6402	4.6135E-6	
-9.00000	84.00000	40.20000	-0.22209	37.561	-0.076959	-1.8619	5.0776E-6	
-8.00000	84.00000	40.20000	-0.25695	37.561	-0.097925	-2.1270	5.5828E-6	
-7.00000	84.00000	40.20000	-0.29758	37.561	-0.12655	-2.4468	6.1197E-6	
-6.00000	84.00000	40.20000	-0.34508	37.561	-0.16636	-2.8362	6.6658E-6	
-5.00000	84.00000	40.20000	-0.40080	37.561	-0.22285	-3.3152	7.1735E-6	
-4.00000	84.00000	40.20000	-0.46641	37.561	-0.30470	-3.9102	7.5502E-6	
-3.00000	84.00000	40.20000	-0.54399	37.561	-0.42577	-4.6562	7.6214E-6	
-2.00000	84.00000	40.20000	-0.63621	37.561	-0.60826	-5.5990	7.0696E-6	
-1.00000	84.00000	40.20000	-0.74650	37.561	-0.88693	-6.7953	5.3443E-6	
0.00000	84.00000	40.20000	-0.87916	37.561	-1.3128	-8.3084	1.5654E-6	
1.00000	84.00000	40.20000	-1.0389	37.561	-1.9496	-10.192	-5.4575E-6	
2.00000	84.00000	40.20000	-1.2282	37.561	-2.8501	-12.459	-16.833E-6	
3.00000	84.00000	40.20000	-1.4428	37.561	-4.0083	-15.032	-32.704E-6	
4.00000	84.00000	40.20000	-1.6678	37.561	-5.3217	-17.725	-51.514E-6	
5.00000	84.00000	40.20000	-1.8800	37.561	-6.6089	-20.278	-70.265E-6	
6.00000	84.00000	40.20000	-2.0548	37.561	-7.6753	-22.418	-85.706E-6	
7.00000	84.00000	40.20000	-2.1755	37.561	-8.4000	-23.943	-95.947E-6	
8.00000	84.00000	40.20000	-2.2372	37.561	-8.7621	-24.745	-100.91E-6	
9.00000	84.00000	40.20000	-2.2402	37.561	-8.7808	-24.793	-101.15E-6	
10.00000	84.00000	40.20000	-2.1849	37.561	-8.4594	-24.088	-96.712E-6	
11.00000	84.00000	40.20000	-2.0715	37.561	-7.7863	-22.672	-87.202E-6	
12.00000	84.00000	40.20000	-1.9057	37.561	-6.7878	-20.650	-72.809E-6	
13.00000	84.00000	40.20000	-1.7030	37.561	-5.5743	-18.209	-55.258E-6	
14.00000	84.00000	40.20000	-1.4844	37.561	-4.3071	-15.587	-37.193E-6	
15.00000	84.00000	40.20000	-1.2708	37.561	-3.1418	-13.026	-21.124E-6	
16.00000	84.00000	40.20000	-1.0781	37.561	-2.1937	-10.722	-8.8516E-6	
17.00000	84.00000	40.20000	-0.91408	37.561	-1.5011	-8.7807	0.0	
18.00000	84.00000	40.20000	-0.77796	37.561	-1.0303	-7.2148	3.7472E-6	
19.00000	84.00000	40.20000	-0.66541	37.561	-0.72063	-5.9778	5.9983E-6	
20.00000	84.00000	40.20000	-0.57178	37.561	-0.51766	-5.0054	6.8884E-6	
21.00000	84.00000	40.20000	-0.49321	37.561	-0.38248	-4.2371	7.0434E-6	
22.00000	84.00000	40.20000	-0.42675	37.561	-0.29008	-3.6236	6.8289E-6	
23.00000	84.00000	40.20000	-0.37014	37.561	-0.22500	-3.1274	6.4457E-6	
24.00000	84.00000	40.20000	-0.32164	37.561	-0.17775	-2.7209	5.9996E-6	

25.00000	84.00000	40.20000	-0.27988	37.561	-0.14250	-2.3837	5.5439E-6	
26.00000	84.00000	40.20000	-0.24378	37.561	-0.11557	-2.1009	5.1042E-6	
27.00000	84.00000	40.20000	-0.21245	37.561	-0.094598	-1.8614	4.6919E-6	
28.00000	84.00000	40.20000	-0.18520	37.561	-0.078018	-1.6568	4.3108E-6	
29.00000	84.00000	40.20000	-0.16144	37.561	-0.064751	-1.4808	3.9612E-6	
30.00000	84.00000	40.20000	-0.14069	37.561	-0.054035	-1.3285	3.6418E-6	
31.00000	84.00000	40.20000	-0.12254	37.561	-0.045315	-1.1958	3.3507E-6	
32.00000	84.00000	40.20000	-0.10664	37.561	-0.038173	-1.0799	3.0855E-6	
33.00000	84.00000	40.20000	-0.092709	37.561	-0.032294	-0.97801	2.8440E-6	
34.00000	84.00000	40.20000	-0.080491	37.561	-0.027431	-0.88820	2.6242E-6	
35.00000	84.00000	40.20000	-0.069770	37.561	-0.023390	-0.80874	2.4239E-6	
36.00000	84.00000	40.20000	-0.060358	37.561	-0.020021	-0.73820	2.2414E-6	
37.00000	84.00000	40.20000	-0.052095	37.561	-0.017199	-0.67540	2.0751E-6	
38.00000	84.00000	40.20000	-0.044837	37.561	-0.014827	-0.61932	1.9233E-6	
39.00000	84.00000	40.20000	-0.038463	37.561	-0.012827	-0.56911	1.7847E-6	
40.00000	84.00000	40.20000	-0.032865	37.561	-0.011134	-0.52403	1.6581E-6	
41.00000	84.00000	40.20000	-0.027949	37.561	-0.0096958	-0.48347	1.5423E-6	!
42.00000	84.00000	40.20000	-0.023632	37.561	-0.0084701	-0.44688	1.4363E-6	!
43.00000	84.00000	40.20000	-0.019843	37.561	-0.0074220	-0.41380	1.3391E-6	!
44.00000	84.00000	40.20000	-0.016518	37.561	-0.0065229	-0.38383	1.2500E-6	!
45.00000	84.00000	40.20000	-0.013602	37.561	-0.0057492	-0.35662	1.1682E-6	!
46.00000	84.00000	40.20000	-0.011046	37.561	-0.0050813	-0.33186	1.0929E-6	!
47.00000	84.00000	40.20000	-0.0088068	37.561	-0.0045030	-0.30929	1.0237E-6	!
48.00000	84.00000	40.20000	-0.0068472	37.561	-0.0040009	-0.28869	0.0	!
49.00000	84.00000	40.20000	-0.0051340	37.561	-0.0035637	-0.26983	0.0	!
50.00000	84.00000	40.20000	-0.0036380	37.561	-0.0031819	-0.25255	0.0	!
-10.00000	85.00000	40.20000	-0.17840	37.561	-0.054909	-1.5376	4.3813E-6	
-9.00000	85.00000	40.20000	-0.20562	37.561	-0.068256	-1.7366	4.8124E-6	
-8.00000	85.00000	40.20000	-0.23704	37.561	-0.085887	-1.9721	5.2829E-6	
-7.00000	85.00000	40.20000	-0.27337	37.561	-0.10952	-2.2529	5.7870E-6	
-6.00000	85.00000	40.20000	-0.31544	37.561	-0.14167	-2.5902	6.3105E-6	
-5.00000	85.00000	40.20000	-0.36422	37.561	-0.18611	-2.9982	6.8235E-6	
-4.00000	85.00000	40.20000	-0.42084	37.561	-0.24844	-3.4952	7.2696E-6	
-3.00000	85.00000	40.20000	-0.48662	37.561	-0.33707	-4.1039	7.5485E-6	
-2.00000	85.00000	40.20000	-0.56303	37.561	-0.46434	-4.8515	7.4902E-6	
-1.00000	85.00000	40.20000	-0.65163	37.561	-0.64766	-5.7684	6.8267E-6	
0.00000	85.00000	40.20000	-0.75392	37.561	-0.90929	-6.8836	5.1781E-6	
1.00000	85.00000	40.20000	-0.87073	37.561	-1.2725	-8.2140	2.1004E-6	
2.00000	85.00000	40.20000	-1.0011	37.561	-1.7508	-9.7481	-2.7442E-6	
3.00000	85.00000	40.20000	-1.1409	37.561	-2.3326	-11.429	-9.3101E-6	
4.00000	85.00000	40.20000	-1.2816	37.561	-2.9710	-13.146	-16.971E-6	
5.00000	85.00000	40.20000	-1.4117	37.561	-3.5904	-14.755	-24.615E-6	
6.00000	85.00000	40.20000	-1.5193	37.561	-4.1109	-16.104	-31.047E-6	
7.00000	85.00000	40.20000	-1.5954	37.561	-4.4768	-17.074	-35.492E-6	
8.00000	85.00000	40.20000	-1.6354	37.561	-4.6668	-17.592	-37.747E-6	
9.00000	85.00000	40.20000	-1.6377	37.561	-4.6790	-17.628	-37.883E-6	
10.00000	85.00000	40.20000	-1.6026	37.561	-4.5148	-17.183	-35.924E-6	
11.00000	85.00000	40.20000	-1.5316	37.561	-4.1782	-16.288	-31.844E-6	
12.00000	85.00000	40.20000	-1.4294	37.561	-3.6909	-15.015	-25.859E-6	
13.00000	85.00000	40.20000	-1.3043	37.561	-3.1032	-13.473	-18.660E-6	
14.00000	85.00000	40.20000	-1.1673	37.561	-2.4846	-11.802	-11.263E-6	
15.00000	85.00000	40.20000	-1.0290	37.561	-1.9034	-10.138	-4.6507E-6	
16.00000	85.00000	40.20000	-0.89826	37.561	-1.4096	-8.5944	0.0	
17.00000	85.00000	40.20000	-0.78022	37.561	-1.0246	-7.2408	3.9642E-6	

18.00000	85.00000	40.20000	-0.67663	37.561	-0.74251	-6.0993	5.9628E-6	
19.00000	85.00000	40.20000	-0.58696	37.561	-0.54303	-5.1588	6.8926E-6	
20.00000	85.00000	40.20000	-0.50976	37.561	-0.40374	-4.3919	7.1421E-6	
21.00000	85.00000	40.20000	-0.44331	37.561	-0.30610	-3.7672	7.0015E-6	
22.00000	85.00000	40.20000	-0.38605	37.561	-0.23664	-3.2561	6.6592E-6	
23.00000	85.00000	40.20000	-0.33659	37.561	-0.18624	-2.8347	6.2277E-6	
24.00000	85.00000	40.20000	-0.29375	37.561	-0.14884	-2.4841	5.7700E-6	
25.00000	85.00000	40.20000	-0.25655	37.561	-0.12049	-2.1898	5.3195E-6	
26.00000	85.00000	40.20000	-0.22415	37.561	-0.098567	-1.9405	4.8923E-6	
27.00000	85.00000	40.20000	-0.19589	37.561	-0.081331	-1.7276	4.4952E-6	
28.00000	85.00000	40.20000	-0.17117	37.561	-0.067589	-1.5444	4.1302E-6	
29.00000	85.00000	40.20000	-0.14953	37.561	-0.056507	-1.3859	3.7965E-6	
30.00000	85.00000	40.20000	-0.13056	37.561	-0.047489	-1.2479	3.4923E-6	
31.00000	85.00000	40.20000	-0.11391	37.561	-0.040096	-1.1272	3.2154E-6	
32.00000	85.00000	40.20000	-0.099279	37.561	-0.033997	-1.0212	2.9635E-6	
33.00000	85.00000	40.20000	-0.086422	37.561	-0.028940	-0.92761	2.7343E-6	
34.00000	85.00000	40.20000	-0.075116	37.561	-0.024727	-0.84478	2.5255E-6	
35.00000	85.00000	40.20000	-0.065171	37.561	-0.021202	-0.77120	2.3354E-6	
36.00000	85.00000	40.20000	-0.056420	37.561	-0.018243	-0.70565	2.1621E-6	
37.00000	85.00000	40.20000	-0.048720	37.561	-0.015749	-0.64708	2.0039E-6	
38.00000	85.00000	40.20000	-0.041945	37.561	-0.013641	-0.59461	1.8595E-6	
39.00000	85.00000	40.20000	-0.035982	37.561	-0.011852	-0.54748	1.7275E-6	
40.00000	85.00000	40.20000	-0.030737	37.561	-0.010329	-0.50505	1.6068E-6	
41.00000	85.00000	40.20000	-0.026122	37.561	-0.0090289	-0.46677	1.4963E-6	!
42.00000	85.00000	40.20000	-0.022064	37.561	-0.0079155	-0.43214	1.3949E-6	!
43.00000	85.00000	40.20000	-0.018497	37.561	-0.0069590	-0.40076	1.3019E-6	!
44.00000	85.00000	40.20000	-0.015363	37.561	-0.0061349	-0.37227	1.2165E-6	!
45.00000	85.00000	40.20000	-0.012610	37.561	-0.0054228	-0.34634	1.1380E-6	!
46.00000	85.00000	40.20000	-0.010195	37.561	-0.0048058	-0.32270	1.0657E-6	!
47.00000	85.00000	40.20000	-0.0080769	37.561	-0.0042697	-0.30112	0.0	!
48.00000	85.00000	40.20000	-0.0062216	37.561	-0.0038026	-0.28137	0.0	!
49.00000	85.00000	40.20000	-0.0045982	37.561	-0.0033945	-0.26327	0.0	!
50.00000	85.00000	40.20000	-0.0031795	37.561	-0.0030372	-0.24665	0.0	!
-10.00000	86.00000	40.20000	-0.16476	37.561	-0.048852	-1.4365	4.1464E-6	
-9.00000	86.00000	40.20000	-0.18928	37.561	-0.060123	-1.6137	4.5438E-6	
-8.00000	86.00000	40.20000	-0.21738	37.561	-0.074772	-1.8213	4.9778E-6	
-7.00000	86.00000	40.20000	-0.24960	37.561	-0.094030	-2.0657	5.4453E-6	
-6.00000	86.00000	40.20000	-0.28655	37.561	-0.11964	-2.3552	5.9378E-6	
-5.00000	86.00000	40.20000	-0.32889	37.561	-0.15409	-2.6997	6.4374E-6	
-4.00000	86.00000	40.20000	-0.37735	37.561	-0.20087	-3.1110	6.9112E-6	
-3.00000	86.00000	40.20000	-0.43271	37.561	-0.26486	-3.6031	7.3036E-6	
-2.00000	86.00000	40.20000	-0.49569	37.561	-0.35264	-4.1914	7.5270E-6	
-1.00000	86.00000	40.20000	-0.56686	37.561	-0.47253	-4.8908	7.4548E-6	
0.00000	86.00000	40.20000	-0.64647	37.561	-0.63376	-5.7123	6.9257E-6	
1.00000	86.00000	40.20000	-0.73402	37.561	-0.84410	-6.6569	5.7744E-6	
2.00000	86.00000	40.20000	-0.82784	37.561	-1.1055	-7.7079	3.8992E-6	
3.00000	86.00000	40.20000	-0.92456	37.561	-1.4087	-8.8245	1.3493E-6	
4.00000	86.00000	40.20000	-1.0190	37.561	-1.7314	-9.9403	-1.6245E-6	
5.00000	86.00000	40.20000	-1.1049	37.561	-2.0406	-10.972	-4.6110E-6	
6.00000	86.00000	40.20000	-1.1757	37.561	-2.3022	-11.835	-7.1738E-6	
7.00000	86.00000	40.20000	-1.2262	37.561	-2.4901	-12.458	-9.0020E-6	
8.00000	86.00000	40.20000	-1.2532	37.561	-2.5903	-12.795	-9.9634E-6	
9.00000	86.00000	40.20000	-1.2550	37.561	-2.5982	-12.821	-10.038E-6	
10.00000	86.00000	40.20000	-1.2317	37.561	-2.5142	-12.539	-9.2340E-6	

11.00000	86.00000	40.20000	-1.1849	37.561	-2.3433	-11.969	-7.5825E-6	
12.00000	86.00000	40.20000	-1.1177	37.561	-2.0990	-11.157	-5.2111E-6	
13.00000	86.00000	40.20000	-1.0350	37.561	-1.8050	-10.169	-2.3969E-6	
14.00000	86.00000	40.20000	-0.94304	37.561	-1.4922	-9.0851	0.0	
15.00000	86.00000	40.20000	-0.84778	37.561	-1.1911	-7.9850	3.0413E-6	
16.00000	86.00000	40.20000	-0.75450	37.561	-0.92506	-6.9362	5.0257E-6	
17.00000	86.00000	40.20000	-0.66689	37.561	-0.70633	-5.9845	6.3335E-6	
18.00000	86.00000	40.20000	-0.58695	37.561	-0.53597	-5.1515	7.0197E-6	
19.00000	86.00000	40.20000	-0.51537	37.561	-0.40788	-4.4398	7.2257E-6	
20.00000	86.00000	40.20000	-0.45199	37.561	-0.31328	-3.8398	7.1083E-6	
21.00000	86.00000	40.20000	-0.39622	37.561	-0.24370	-3.3369	6.7986E-6	
22.00000	86.00000	40.20000	-0.34731	37.561	-0.19223	-2.9155	6.3901E-6	
23.00000	86.00000	40.20000	-0.30446	37.561	-0.15369	-2.5610	5.9433E-6	
24.00000	86.00000	40.20000	-0.26693	37.561	-0.12440	-2.2614	5.4939E-6	
25.00000	86.00000	40.20000	-0.23403	37.561	-0.10178	-2.0064	5.0616E-6	
26.00000	86.00000	40.20000	-0.20516	37.561	-0.084034	-1.7881	4.6560E-6	
27.00000	86.00000	40.20000	-0.17981	37.561	-0.069919	-1.6000	4.2808E-6	
28.00000	86.00000	40.20000	-0.15753	37.561	-0.058554	-1.4369	3.9367E-6	
29.00000	86.00000	40.20000	-0.13793	37.561	-0.049311	-1.2947	3.6224E-6	
30.00000	86.00000	40.20000	-0.12067	37.561	-0.041728	-1.1703	3.3360E-6	
31.00000	86.00000	40.20000	-0.10546	37.561	-0.035465	-1.0608	3.0752E-6	
32.00000	86.00000	40.20000	-0.092057	37.561	-0.030260	-0.96410	2.8379E-6	
33.00000	86.00000	40.20000	-0.080241	37.561	-0.025913	-0.87841	2.6217E-6	
34.00000	86.00000	40.20000	-0.069821	37.561	-0.022267	-0.80223	2.4248E-6	
35.00000	86.00000	40.20000	-0.060631	37.561	-0.019196	-0.73428	2.2452E-6	
36.00000	86.00000	40.20000	-0.052526	37.561	-0.016601	-0.67352	2.0813E-6	
37.00000	86.00000	40.20000	-0.045378	37.561	-0.014401	-0.61904	1.9316E-6	
38.00000	86.00000	40.20000	-0.039074	37.561	-0.012529	-0.57006	1.7947E-6	
39.00000	86.00000	40.20000	-0.033516	37.561	-0.010932	-0.52594	1.6694E-6	
40.00000	86.00000	40.20000	-0.028617	37.561	-0.0095658	-0.48609	1.5547E-6	
41.00000	86.00000	40.20000	-0.024301	37.561	-0.0083932	-0.45004	1.4494E-6	!
42.00000	86.00000	40.20000	-0.020498	37.561	-0.0073840	-0.41734	1.3528E-6	!
43.00000	86.00000	40.20000	-0.017151	37.561	-0.0065131	-0.38764	1.2640E-6	!
44.00000	86.00000	40.20000	-0.014206	37.561	-0.0057595	-0.36060	1.1824E-6	!
45.00000	86.00000	40.20000	-0.011616	37.561	-0.0051058	-0.33595	1.1072E-6	!
46.00000	86.00000	40.20000	-0.0093413	37.561	-0.0045371	-0.31342	1.0379E-6	!
47.00000	86.00000	40.20000	-0.0073443	37.561	-0.0040413	-0.29281	0.0	!
48.00000	86.00000	40.20000	-0.0055932	37.561	-0.0036077	-0.27392	0.0	!
49.00000	86.00000	40.20000	-0.0040596	37.561	-0.0032279	-0.25658	0.0	!
50.00000	86.00000	40.20000	-0.0027185	37.561	-0.0028942	-0.24063	0.0	!
-10.00000	87.00000	40.20000	-0.15137	37.561	-0.043233	-1.3381	3.9118E-6	
-9.00000	87.00000	40.20000	-0.17331	37.561	-0.052663	-1.4949	4.2754E-6	
-8.00000	87.00000	40.20000	-0.19827	37.561	-0.064714	-1.6767	4.6722E-6	
-7.00000	87.00000	40.20000	-0.22665	37.561	-0.080250	-1.8881	5.1009E-6	
-6.00000	87.00000	40.20000	-0.25886	37.561	-0.10045	-2.1349	5.5565E-6	
-5.00000	87.00000	40.20000	-0.29536	37.561	-0.12689	-2.4237	6.0285E-6	
-4.00000	87.00000	40.20000	-0.33659	37.561	-0.16170	-2.7621	6.4983E-6	
-3.00000	87.00000	40.20000	-0.38295	37.561	-0.20761	-3.1582	6.9356E-6	
-2.00000	87.00000	40.20000	-0.43473	37.561	-0.26803	-3.6200	7.2956E-6	
-1.00000	87.00000	40.20000	-0.49201	37.561	-0.34678	-4.1538	7.5180E-6	
0.00000	87.00000	40.20000	-0.55451	37.561	-0.44752	-4.7622	7.5326E-6	
1.00000	87.00000	40.20000	-0.62139	37.561	-0.57243	-5.4405	7.2743E-6	
2.00000	87.00000	40.20000	-0.69105	37.561	-0.72053	-6.1732	6.7090E-6	
3.00000	87.00000	40.20000	-0.76099	37.561	-0.88589	-6.9317	5.8617E-6	

4.00000	87.00000	40.20000	-0.82785	37.561	-1.0572	-7.6750	4.8293E-6	
5.00000	87.00000	40.20000	-0.88775	37.561	-1.2194	-8.3539	3.7629E-6	
6.00000	87.00000	40.20000	-0.93687	37.561	-1.3567	-8.9187	2.8230E-6	
7.00000	87.00000	40.20000	-0.97195	37.561	-1.4565	-9.3268	2.1326E-6	
8.00000	87.00000	40.20000	-0.99077	37.561	-1.5106	-9.5485	1.7575E-6	
9.00000	87.00000	40.20000	-0.99219	37.561	-1.5157	-9.5685	1.7191E-6	
10.00000	87.00000	40.20000	-0.97620	37.561	-1.4718	-9.3866	2.0153E-6	
11.00000	87.00000	40.20000	-0.94388	37.561	-1.3823	-9.0171	2.6230E-6	
12.00000	87.00000	40.20000	-0.89737	37.561	-1.2547	-8.4882	3.4809E-6	
13.00000	87.00000	40.20000	-0.83978	37.561	-1.1008	-7.8402	4.4793E-6	
14.00000	87.00000	40.20000	-0.77477	37.561	-0.93510	-7.1205	5.4755E-6	
15.00000	87.00000	40.20000	-0.70614	37.561	-0.77191	-6.3767	6.3291E-6	
16.00000	87.00000	40.20000	-0.63725	37.561	-0.62284	-5.6506	6.9394E-6	
17.00000	87.00000	40.20000	-0.57072	37.561	-0.49482	-4.9725	7.2659E-6	
18.00000	87.00000	40.20000	-0.50832	37.561	-0.39007	-4.3604	7.3254E-6	
19.00000	87.00000	40.20000	-0.45098	37.561	-0.30720	-3.8209	7.1720E-6	
20.00000	87.00000	40.20000	-0.39904	37.561	-0.24298	-3.3527	6.8714E-6	
21.00000	87.00000	40.20000	-0.35246	37.561	-0.19366	-2.9498	6.4836E-6	
22.00000	87.00000	40.20000	-0.31094	37.561	-0.15581	-2.6045	6.0548E-6	
23.00000	87.00000	40.20000	-0.27407	37.561	-0.12660	-2.3084	5.6168E-6	
24.00000	87.00000	40.20000	-0.24141	37.561	-0.10383	-2.0540	5.1894E-6	
25.00000	87.00000	40.20000	-0.21250	37.561	-0.085902	-1.8346	4.7838E-6	
26.00000	87.00000	40.20000	-0.18695	37.561	-0.071611	-1.6445	4.4055E-6	
27.00000	87.00000	40.20000	-0.16435	37.561	-0.060095	-1.4791	4.0562E-6	
28.00000	87.00000	40.20000	-0.14437	37.561	-0.050722	-1.3345	3.7359E-6	
29.00000	87.00000	40.20000	-0.12670	37.561	-0.043026	-1.2076	3.4431E-6	
30.00000	87.00000	40.20000	-0.11107	37.561	-0.036659	-1.0957	3.1759E-6	
31.00000	87.00000	40.20000	-0.097246	37.561	-0.031358	-0.99673	2.9323E-6	
32.00000	87.00000	40.20000	-0.085019	37.561	-0.026920	-0.90887	2.7102E-6	
33.00000	87.00000	40.20000	-0.074205	37.561	-0.023187	-0.83062	2.5077E-6	
34.00000	87.00000	40.20000	-0.064639	37.561	-0.020034	-0.76074	2.3229E-6	
35.00000	87.00000	40.20000	-0.056180	37.561	-0.017362	-0.69816	2.1541E-6	
36.00000	87.00000	40.20000	-0.048700	37.561	-0.015090	-0.64197	1.9997E-6	
37.00000	87.00000	40.20000	-0.042087	37.561	-0.013151	-0.59140	1.8586E-6	
38.00000	87.00000	40.20000	-0.036243	37.561	-0.011493	-0.54580	1.7293E-6	
39.00000	87.00000	40.20000	-0.031081	37.561	-0.010070	-0.50457	1.6107E-6	
40.00000	87.00000	40.20000	-0.026521	37.561	-0.0088456	-0.46724	1.5020E-6	
41.00000	87.00000	40.20000	-0.022496	37.561	-0.0077900	-0.43336	1.4020E-6	!
42.00000	87.00000	40.20000	-0.018945	37.561	-0.0068772	-0.40255	1.3102E-6	!
43.00000	87.00000	40.20000	-0.015815	37.561	-0.0060859	-0.37449	1.2257E-6	!
44.00000	87.00000	40.20000	-0.013056	37.561	-0.0053983	-0.34889	1.1478E-6	!
45.00000	87.00000	40.20000	-0.010627	37.561	-0.0047994	-0.32549	1.0759E-6	!
46.00000	87.00000	40.20000	-0.0084909	37.561	-0.0042765	-0.30407	1.0096E-6	!
47.00000	87.00000	40.20000	-0.0066136	37.561	-0.0038188	-0.28442	0.0	!
48.00000	87.00000	40.20000	-0.0049659	37.561	-0.0034174	-0.26639	0.0	!
49.00000	87.00000	40.20000	-0.0035217	37.561	-0.0030645	-0.24979	0.0	!
50.00000	87.00000	40.20000	-0.0022577	37.561	-0.0027535	-0.23451	0.0	!
-10.00000	88.00000	40.20000	-0.13837	37.561	-0.038095	-1.2434	3.6804E-6	
-9.00000	88.00000	40.20000	-0.15789	37.561	-0.045925	-1.3815	4.0108E-6	
-8.00000	88.00000	40.20000	-0.17993	37.561	-0.055764	-1.5398	4.3707E-6	
-7.00000	88.00000	40.20000	-0.20478	37.561	-0.068205	-1.7217	4.7598E-6	
-6.00000	88.00000	40.20000	-0.23271	37.561	-0.084021	-1.9311	5.1750E-6	
-5.00000	88.00000	40.20000	-0.26401	37.561	-0.10421	-2.1723	5.6105E-6	
-4.00000	88.00000	40.20000	-0.29892	37.561	-0.13001	-2.4498	6.0555E-6	

-3.00000	88.00000	40.20000	-0.33762	37.561	-0.16293	-2.7681	6.4933E-6	
-2.00000	88.00000	40.20000	-0.38016	37.561	-0.20469	-3.1309	6.9006E-6	
-1.00000	88.00000	40.20000	-0.42637	37.561	-0.25697	-3.5402	7.2472E-6	
0.00000	88.00000	40.20000	-0.47581	37.561	-0.32109	-3.9948	7.5002E-6	
1.00000	88.00000	40.20000	-0.52763	37.561	-0.39740	-4.4885	7.6305E-6	
2.00000	88.00000	40.20000	-0.58049	37.561	-0.48449	-5.0089	7.6225E-6	
3.00000	88.00000	40.20000	-0.63254	37.561	-0.57874	-5.5361	7.4837E-6	
4.00000	88.00000	40.20000	-0.68152	37.561	-0.67424	-6.0440	7.2478E-6	
5.00000	88.00000	40.20000	-0.72490	37.561	-0.76351	-6.5025	6.9681E-6	
6.00000	88.00000	40.20000	-0.76024	37.561	-0.83892	-6.8816	6.7019E-6	
7.00000	88.00000	40.20000	-0.78543	37.561	-0.89397	-7.1551	6.4959E-6	
8.00000	88.00000	40.20000	-0.79898	37.561	-0.92425	-7.3043	6.3781E-6	
9.00000	88.00000	40.20000	-0.80009	37.561	-0.92759	-7.3194	6.3602E-6	
10.00000	88.00000	40.20000	-0.78875	37.561	-0.90393	-7.1999	6.4419E-6	
11.00000	88.00000	40.20000	-0.76569	37.561	-0.85530	-6.9550	6.6119E-6	
12.00000	88.00000	40.20000	-0.73234	37.561	-0.78581	-6.6024	6.8450E-6	
13.00000	88.00000	40.20000	-0.69072	37.561	-0.70150	-6.1667	7.0996E-6	
14.00000	88.00000	40.20000	-0.64322	37.561	-0.60955	-5.6770	7.3244E-6	
15.00000	88.00000	40.20000	-0.59229	37.561	-0.51715	-5.1627	7.4696E-6	
16.00000	88.00000	40.20000	-0.54022	37.561	-0.43029	-4.6500	7.5004E-6	
17.00000	88.00000	40.20000	-0.48890	37.561	-0.35301	-4.1597	7.4038E-6	
18.00000	88.00000	40.20000	-0.43973	37.561	-0.28717	-3.7054	7.1890E-6	
19.00000	88.00000	40.20000	-0.39363	37.561	-0.23285	-3.2943	6.8801E-6	
20.00000	88.00000	40.20000	-0.35109	37.561	-0.18900	-2.9284	6.5073E-6	
21.00000	88.00000	40.20000	-0.31230	37.561	-0.15403	-2.6062	6.0997E-6	
22.00000	88.00000	40.20000	-0.27720	37.561	-0.12627	-2.3241	5.6808E-6	
23.00000	88.00000	40.20000	-0.24564	37.561	-0.10422	-2.0778	5.2674E-6	
24.00000	88.00000	40.20000	-0.21738	37.561	-0.086616	-1.8628	4.8706E-6	
25.00000	88.00000	40.20000	-0.19213	37.561	-0.072470	-1.6748	4.4967E-6	
26.00000	88.00000	40.20000	-0.16962	37.561	-0.061009	-1.5101	4.1488E-6	
27.00000	88.00000	40.20000	-0.14958	37.561	-0.051645	-1.3653	3.8275E-6	
28.00000	88.00000	40.20000	-0.13175	37.561	-0.043934	-1.2376	3.5323E-6	
29.00000	88.00000	40.20000	-0.11590	37.561	-0.037539	-1.1247	3.2619E-6	
30.00000	88.00000	40.20000	-0.10182	37.561	-0.032200	-1.0245	3.0146E-6	
31.00000	88.00000	40.20000	-0.089311	37.561	-0.027719	-0.93529	2.7887E-6	
32.00000	88.00000	40.20000	-0.078204	37.561	-0.023938	-0.85567	2.5822E-6	
33.00000	88.00000	40.20000	-0.068345	37.561	-0.020736	-0.78441	2.3934E-6	
34.00000	88.00000	40.20000	-0.059599	37.561	-0.018013	-0.72047	2.2208E-6	
35.00000	88.00000	40.20000	-0.051841	37.561	-0.015690	-0.66296	2.0628E-6	
36.00000	88.00000	40.20000	-0.044963	37.561	-0.013703	-0.61113	1.9181E-6	
37.00000	88.00000	40.20000	-0.038868	37.561	-0.011997	-0.56430	1.7854E-6	
38.00000	88.00000	40.20000	-0.033469	37.561	-0.010529	-0.52193	1.6636E-6	
39.00000	88.00000	40.20000	-0.028689	37.561	-0.0092633	-0.48350	1.5518E-6	
40.00000	88.00000	40.20000	-0.024460	37.561	-0.0081687	-0.44858	1.4490E-6	
41.00000	88.00000	40.20000	-0.020719	37.561	-0.0072201	-0.41680	1.3544E-6	!
42.00000	88.00000	40.20000	-0.017414	37.561	-0.0063959	-0.38783	1.2673E-6	!
43.00000	88.00000	40.20000	-0.014495	37.561	-0.0056784	-0.36138	1.1870E-6	!
44.00000	88.00000	40.20000	-0.011919	37.561	-0.0050523	-0.33718	1.1128E-6	!
45.00000	88.00000	40.20000	-0.0096482	37.561	-0.0045047	-0.31501	1.0444E-6	!
46.00000	88.00000	40.20000	-0.0076484	37.561	-0.0040247	-0.29467	0.0	!
47.00000	88.00000	40.20000	-0.0058891	37.561	-0.0036032	-0.27599	0.0	!
48.00000	88.00000	40.20000	-0.0043435	37.561	-0.0032322	-0.25879	0.0	!
49.00000	88.00000	40.20000	-0.0029875	37.561	-0.0029050	-0.24295	0.0	!
50.00000	88.00000	40.20000	-0.0017999	37.561	-0.0026159	-0.22833	0.0	!

-10.00000	89.00000	40.20000	-0.12590	37.561	-0.033455	-1.1533	3.4543E-6	
-9.00000	89.00000	40.20000	-0.14318	37.561	-0.039919	-1.2744	3.7528E-6	
-8.00000	89.00000	40.20000	-0.16254	37.561	-0.047907	-1.4117	4.0771E-6	
-7.00000	89.00000	40.20000	-0.18418	37.561	-0.057821	-1.5677	4.4270E-6	
-6.00000	89.00000	40.20000	-0.20829	37.561	-0.070157	-1.7448	4.8009E-6	
-5.00000	89.00000	40.20000	-0.23503	37.561	-0.085528	-1.9458	5.1953E-6	
-4.00000	89.00000	40.20000	-0.26450	37.561	-0.10465	-2.1732	5.6038E-6	
-3.00000	89.00000	40.20000	-0.29675	37.561	-0.12834	-2.4292	6.0168E-6	
-2.00000	89.00000	40.20000	-0.33170	37.561	-0.15742	-2.7152	6.4212E-6	
-1.00000	89.00000	40.20000	-0.36910	37.561	-0.19261	-3.0310	6.8008E-6	
0.00000	89.00000	40.20000	-0.40846	37.561	-0.23428	-3.3740	7.1381E-6	
1.00000	89.00000	40.20000	-0.44903	37.561	-0.28221	-3.7386	7.4173E-6	
2.00000	89.00000	40.20000	-0.48976	37.561	-0.33526	-4.1150	7.6280E-6	
3.00000	89.00000	40.20000	-0.52927	37.561	-0.39120	-4.4895	7.7689E-6	
4.00000	89.00000	40.20000	-0.56599	37.561	-0.44681	-4.8450	7.8481E-6	
5.00000	89.00000	40.20000	-0.59821	37.561	-0.49819	-5.1625	7.8815E-6	
6.00000	89.00000	40.20000	-0.62429	37.561	-0.54139	-5.4232	7.8871E-6	
7.00000	89.00000	40.20000	-0.64283	37.561	-0.57299	-5.6110	7.8804E-6	
8.00000	89.00000	40.20000	-0.65281	37.561	-0.59053	-5.7137	7.8714E-6	
9.00000	89.00000	40.20000	-0.65369	37.561	-0.59275	-5.7252	7.8647E-6	
10.00000	89.00000	40.20000	-0.64545	37.561	-0.57960	-5.6451	7.8604E-6	
11.00000	89.00000	40.20000	-0.62859	37.561	-0.55219	-5.4791	7.8546E-6	
12.00000	89.00000	40.20000	-0.60407	37.561	-0.51281	-5.2383	7.8385E-6	
13.00000	89.00000	40.20000	-0.57326	37.561	-0.46464	-4.9384	7.7989E-6	
14.00000	89.00000	40.20000	-0.53774	37.561	-0.41144	-4.5974	7.7197E-6	
15.00000	89.00000	40.20000	-0.49918	37.561	-0.35699	-4.2339	7.5864E-6	
16.00000	89.00000	40.20000	-0.45919	37.561	-0.30455	-3.8651	7.3902E-6	
17.00000	89.00000	40.20000	-0.41914	37.561	-0.25648	-3.5052	7.1306E-6	
18.00000	89.00000	40.20000	-0.38012	37.561	-0.21415	-3.1643	6.8155E-6	
19.00000	89.00000	40.20000	-0.34293	37.561	-0.17799	-2.8488	6.4583E-6	
20.00000	89.00000	40.20000	-0.30806	37.561	-0.14776	-2.5618	6.0752E-6	
21.00000	89.00000	40.20000	-0.27579	37.561	-0.12284	-2.3037	5.6814E-6	
22.00000	89.00000	40.20000	-0.24622	37.561	-0.10247	-2.0735	5.2899E-6	
23.00000	89.00000	40.20000	-0.21931	37.561	-0.085845	-1.8691	4.9102E-6	
24.00000	89.00000	40.20000	-0.19496	37.561	-0.072271	-1.6879	4.5485E-6	
25.00000	89.00000	40.20000	-0.17300	37.561	-0.061145	-1.5274	4.2086E-6	
26.00000	89.00000	40.20000	-0.15328	37.561	-0.051980	-1.3851	3.8921E-6	
27.00000	89.00000	40.20000	-0.13559	37.561	-0.044386	-1.2588	3.5993E-6	
28.00000	89.00000	40.20000	-0.11976	37.561	-0.038056	-1.1465	3.3295E-6	
29.00000	89.00000	40.20000	-0.10561	37.561	-0.032751	-1.0463	3.0817E-6	
30.00000	89.00000	40.20000	-0.092968	37.561	-0.028281	-0.95679	2.8544E-6	
31.00000	89.00000	40.20000	-0.081694	37.561	-0.024497	-0.87662	2.6460E-6	
32.00000	89.00000	40.20000	-0.071645	37.561	-0.021280	-0.80465	2.4550E-6	
33.00000	89.00000	40.20000	-0.062693	37.561	-0.018536	-0.73991	2.2799E-6	
34.00000	89.00000	40.20000	-0.054725	37.561	-0.016187	-0.68154	2.1194E-6	
35.00000	89.00000	40.20000	-0.047637	37.561	-0.014169	-0.62882	1.9721E-6	
36.00000	89.00000	40.20000	-0.041335	37.561	-0.012433	-0.58110	1.8368E-6	
37.00000	89.00000	40.20000	-0.035736	37.561	-0.010934	-0.53784	1.7125E-6	
38.00000	89.00000	40.20000	-0.030765	37.561	-0.0096368	-0.49854	1.5983E-6	
39.00000	89.00000	40.20000	-0.026355	37.561	-0.0085122	-0.46278	1.4931E-6	
40.00000	89.00000	40.20000	-0.022444	37.561	-0.0075348	-0.43020	1.3961E-6	
41.00000	89.00000	40.20000	-0.018979	37.561	-0.0066837	-0.40045	1.3068E-6	!
42.00000	89.00000	40.20000	-0.015912	37.561	-0.0059408	-0.37326	1.2243E-6	!
43.00000	89.00000	40.20000	-0.013199	37.561	-0.0052912	-0.34836	1.1482E-6	!



44.00000	89.00000	40.20000	-0.010801	37.561	-0.0047220	-0.32553	1.0778E-6	!
45.00000	89.00000	40.20000	-0.0086848	37.561	-0.0042223	-0.30456	1.0126E-6	!
46.00000	89.00000	40.20000	-0.0068185	37.561	-0.0037826	-0.28528	0.0	!
47.00000	89.00000	40.20000	-0.0051748	37.561	-0.0033951	-0.26754	0.0	!
48.00000	89.00000	40.20000	-0.0037294	37.561	-0.0030529	-0.25117	0.0	!
49.00000	89.00000	40.20000	-0.0024602	37.561	-0.0027501	-0.23607	0.0	!
50.00000	89.00000	40.20000	-0.0013477	37.561	-0.0024817	-0.22210	0.0	!
-10.00000	90.00000	40.20000	-0.11405	37.561	-0.029307	-1.0681	3.2357E-6	
-9.00000	90.00000	40.20000	-0.12927	37.561	-0.034621	-1.1739	3.5040E-6	
-8.00000	90.00000	40.20000	-0.14621	37.561	-0.041083	-1.2928	3.7944E-6	
-7.00000	90.00000	40.20000	-0.16499	37.561	-0.048960	-1.4262	4.1068E-6	
-6.00000	90.00000	40.20000	-0.18572	37.561	-0.058567	-1.5758	4.4403E-6	
-5.00000	90.00000	40.20000	-0.20849	37.561	-0.070274	-1.7432	4.7925E-6	
-4.00000	90.00000	40.20000	-0.23332	37.561	-0.084487	-1.9296	5.1594E-6	
-3.00000	90.00000	40.20000	-0.26018	37.561	-0.10163	-2.1361	5.5350E-6	
-2.00000	90.00000	40.20000	-0.28892	37.561	-0.12209	-2.3626	5.9114E-6	
-1.00000	90.00000	40.20000	-0.31927	37.561	-0.14613	-2.6081	6.2786E-6	
0.00000	90.00000	40.20000	-0.35079	37.561	-0.17378	-2.8698	6.6261E-6	
1.00000	90.00000	40.20000	-0.38283	37.561	-0.20469	-3.1428	6.9435E-6	
2.00000	90.00000	40.20000	-0.41458	37.561	-0.23804	-3.4198	7.2223E-6	
3.00000	90.00000	40.20000	-0.44501	37.561	-0.27247	-3.6912	7.4574E-6	
4.00000	90.00000	40.20000	-0.47301	37.561	-0.30613	-3.9455	7.6473E-6	
5.00000	90.00000	40.20000	-0.49737	37.561	-0.33689	-4.1705	7.7938E-6	
6.00000	90.00000	40.20000	-0.51699	37.561	-0.36262	-4.3541	7.8998E-6	
7.00000	90.00000	40.20000	-0.53089	37.561	-0.38144	-4.4860	7.9685E-6	
8.00000	90.00000	40.20000	-0.53838	37.561	-0.39197	-4.5584	8.0020E-6	
9.00000	90.00000	40.20000	-0.53908	37.561	-0.39349	-4.5673	8.0013E-6	
10.00000	90.00000	40.20000	-0.53299	37.561	-0.38594	-4.5124	7.9664E-6	
11.00000	90.00000	40.20000	-0.52042	37.561	-0.36996	-4.3973	7.8969E-6	
12.00000	90.00000	40.20000	-0.50207	37.561	-0.34681	-4.2293	7.7912E-6	
13.00000	90.00000	40.20000	-0.47884	37.561	-0.31824	-4.0181	7.6471E-6	
14.00000	90.00000	40.20000	-0.45183	37.561	-0.28629	-3.7755	7.4623E-6	
15.00000	90.00000	40.20000	-0.42221	37.561	-0.25305	-3.5135	7.2356E-6	
16.00000	90.00000	40.20000	-0.39113	37.561	-0.22035	-3.2436	6.9681E-6	
17.00000	90.00000	40.20000	-0.35958	37.561	-0.18963	-2.9754	6.6643E-6	
18.00000	90.00000	40.20000	-0.32842	37.561	-0.16181	-2.7167	6.3314E-6	
19.00000	90.00000	40.20000	-0.29831	37.561	-0.13733	-2.4727	5.9789E-6	
20.00000	90.00000	40.20000	-0.26969	37.561	-0.11625	-2.2463	5.6166E-6	
21.00000	90.00000	40.20000	-0.24287	37.561	-0.098382	-2.0391	5.2540E-6	
22.00000	90.00000	40.20000	-0.21800	37.561	-0.083372	-1.8510	4.8986E-6	
23.00000	90.00000	40.20000	-0.19512	37.561	-0.070829	-1.6814	4.5563E-6	
24.00000	90.00000	40.20000	-0.17421	37.561	-0.060364	-1.5289	4.2312E-6	
25.00000	90.00000	40.20000	-0.15520	37.561	-0.051625	-1.3922	3.9255E-6	
26.00000	90.00000	40.20000	-0.13798	37.561	-0.044308	-1.2696	3.6401E-6	
27.00000	90.00000	40.20000	-0.12243	37.561	-0.038160	-1.1597	3.3753E-6	
28.00000	90.00000	40.20000	-0.10843	37.561	-0.032972	-1.0611	3.1305E-6	
29.00000	90.00000	40.20000	-0.095842	37.561	-0.028578	-0.97245	2.9047E-6	
30.00000	90.00000	40.20000	-0.084548	37.561	-0.024840	-0.89270	2.6969E-6	
31.00000	90.00000	40.20000	-0.074428	37.561	-0.021648	-0.82082	2.5056E-6	
32.00000	90.00000	40.20000	-0.065370	37.561	-0.018914	-0.75593	2.3298E-6	
33.00000	90.00000	40.20000	-0.057272	37.561	-0.016564	-0.69724	2.1681E-6	
34.00000	90.00000	40.20000	-0.050039	37.561	-0.014539	-0.64407	2.0194E-6	
35.00000	90.00000	40.20000	-0.043586	37.561	-0.012789	-0.59584	1.8825E-6	
36.00000	90.00000	40.20000	-0.037832	37.561	-0.011273	-0.55200	1.7565E-6	

37.00000	90.00000	40.20000	-0.032707	37.561	-0.0099571	-0.51209	1.6404E-6	
38.00000	90.00000	40.20000	-0.028145	37.561	-0.0088124	-0.47572	1.5334E-6	
39.00000	90.00000	40.20000	-0.024088	37.561	-0.0078145	-0.44251	1.4347E-6	
40.00000	90.00000	40.20000	-0.020484	37.561	-0.0069430	-0.41215	1.3436E-6	
41.00000	90.00000	40.20000	-0.017285	37.561	-0.0061804	-0.38435	1.2594E-6	!
42.00000	90.00000	40.20000	-0.014447	37.561	-0.0055119	-0.35887	1.1815E-6	!
43.00000	90.00000	40.20000	-0.011934	37.561	-0.0049247	-0.33548	1.1094E-6	!
44.00000	90.00000	40.20000	-0.0097086	37.561	-0.0044081	-0.31397	1.0427E-6	!
45.00000	90.00000	40.20000	-0.0077419	37.561	-0.0039527	-0.29418	0.0	!
46.00000	90.00000	40.20000	-0.0060054	37.561	-0.0035506	-0.27594	0.0	!
47.00000	90.00000	40.20000	-0.0044744	37.561	-0.0031950	-0.25911	0.0	!
48.00000	90.00000	40.20000	-0.0031267	37.561	-0.0028799	-0.24356	0.0	!
49.00000	90.00000	40.20000	-0.0019423	37.561	-0.0026001	-0.22917	0.0	!
50.00000	90.00000	40.20000	-903.45E-6	37.561	-0.0023514	-0.21586	0.0	!
-10.00000	91.00000	40.20000	-0.10288	37.561	-0.025630	-0.98817	3.0259E-6	
-9.00000	91.00000	40.20000	-0.11624	37.561	-0.029986	-1.0805	3.2661E-6	
-8.00000	91.00000	40.20000	-0.13100	37.561	-0.035204	-1.1832	3.5248E-6	
-7.00000	91.00000	40.20000	-0.14724	37.561	-0.041455	-1.2972	3.8022E-6	
-6.00000	91.00000	40.20000	-0.16502	37.561	-0.048939	-1.4235	4.0973E-6	
-5.00000	91.00000	40.20000	-0.18437	37.561	-0.057874	-1.5629	4.4086E-6	
-4.00000	91.00000	40.20000	-0.20527	37.561	-0.068485	-1.7161	4.7333E-6	
-3.00000	91.00000	40.20000	-0.22764	37.561	-0.080987	-1.8832	5.0672E-6	
-2.00000	91.00000	40.20000	-0.25131	37.561	-0.095543	-2.0637	5.4050E-6	
-1.00000	91.00000	40.20000	-0.27602	37.561	-0.11222	-2.2561	5.7400E-6	
0.00000	91.00000	40.20000	-0.30138	37.561	-0.13093	-2.4579	6.0647E-6	
1.00000	91.00000	40.20000	-0.32687	37.561	-0.15136	-2.6651	6.3714E-6	
2.00000	91.00000	40.20000	-0.35185	37.561	-0.17294	-2.8722	6.6530E-6	
3.00000	91.00000	40.20000	-0.37557	37.561	-0.19481	-3.0725	6.9034E-6	
4.00000	91.00000	40.20000	-0.39719	37.561	-0.21589	-3.2581	7.1179E-6	
5.00000	91.00000	40.20000	-0.41589	37.561	-0.23497	-3.4209	7.2932E-6	
6.00000	91.00000	40.20000	-0.43086	37.561	-0.25083	-3.5530	7.4270E-6	
7.00000	91.00000	40.20000	-0.44144	37.561	-0.26243	-3.6476	7.5179E-6	
8.00000	91.00000	40.20000	-0.44715	37.561	-0.26897	-3.6998	7.5647E-6	
9.00000	91.00000	40.20000	-0.44772	37.561	-0.27003	-3.7068	7.5670E-6	
10.00000	91.00000	40.20000	-0.44313	37.561	-0.26557	-3.6684	7.5248E-6	
11.00000	91.00000	40.20000	-0.43364	37.561	-0.25596	-3.5870	7.4389E-6	
12.00000	91.00000	40.20000	-0.41968	37.561	-0.24189	-3.4672	7.3105E-6	
13.00000	91.00000	40.20000	-0.40192	37.561	-0.22437	-3.3155	7.1416E-6	
14.00000	91.00000	40.20000	-0.38112	37.561	-0.20455	-3.1395	6.9346E-6	
15.00000	91.00000	40.20000	-0.35811	37.561	-0.18361	-2.9472	6.6929E-6	
16.00000	91.00000	40.20000	-0.33371	37.561	-0.16263	-2.7464	6.4211E-6	
17.00000	91.00000	40.20000	-0.30867	37.561	-0.14250	-2.5439	6.1249E-6	
18.00000	91.00000	40.20000	-0.28365	37.561	-0.12383	-2.3454	5.8110E-6	
19.00000	91.00000	40.20000	-0.25919	37.561	-0.10699	-2.1549	5.4868E-6	
20.00000	91.00000	40.20000	-0.23567	37.561	-0.092119	-1.9754	5.1592E-6	
21.00000	91.00000	40.20000	-0.21337	37.561	-0.079192	-1.8083	4.8345E-6	
22.00000	91.00000	40.20000	-0.19247	37.561	-0.068076	-1.6543	4.5181E-6	
23.00000	91.00000	40.20000	-0.17305	37.561	-0.058583	-1.5135	4.2139E-6	
24.00000	91.00000	40.20000	-0.15514	37.561	-0.050505	-1.3852	3.9245E-6	
25.00000	91.00000	40.20000	-0.13873	37.561	-0.043639	-1.2688	3.6518E-6	
26.00000	91.00000	40.20000	-0.12375	37.561	-0.037801	-1.1634	3.3964E-6	
27.00000	91.00000	40.20000	-0.11013	37.561	-0.032828	-1.0679	3.1584E-6	
28.00000	91.00000	40.20000	-0.097796	37.561	-0.028581	-0.98146	2.9374E-6	
29.00000	91.00000	40.20000	-0.086645	37.561	-0.024944	-0.90321	2.7327E-6	

30.00000	91.00000	40.20000	-0.076588	37.561	-0.021821	-0.83230	2.5435E-6	
31.00000	91.00000	40.20000	-0.067536	37.561	-0.019132	-0.76798	2.3688E-6	
32.00000	91.00000	40.20000	-0.059402	37.561	-0.016810	-0.70957	2.2075E-6	
33.00000	91.00000	40.20000	-0.052102	37.561	-0.014799	-0.65647	2.0587E-6	
34.00000	91.00000	40.20000	-0.045560	37.561	-0.013055	-0.60814	1.9213E-6	
35.00000	91.00000	40.20000	-0.039704	37.561	-0.011538	-0.56408	1.7946E-6	
36.00000	91.00000	40.20000	-0.034468	37.561	-0.010216	-0.52388	1.6775E-6	
37.00000	91.00000	40.20000	-0.029791	37.561	-0.0090621	-0.48714	1.5694E-6	
38.00000	91.00000	40.20000	-0.025618	37.561	-0.0080527	-0.45353	1.4695E-6	
39.00000	91.00000	40.20000	-0.021899	37.561	-0.0071683	-0.42274	1.3771E-6	
40.00000	91.00000	40.20000	-0.018588	37.561	-0.0063921	-0.39450	1.2916E-6	
41.00000	91.00000	40.20000	-0.015643	37.561	-0.0057097	-0.36857	1.2124E-6	!
42.00000	91.00000	40.20000	-0.013026	37.561	-0.0051088	-0.34473	1.1390E-6	!
43.00000	91.00000	40.20000	-0.010704	37.561	-0.0045788	-0.32278	1.0709E-6	!
44.00000	91.00000	40.20000	-0.0086457	37.561	-0.0041106	-0.30256	1.0078E-6	!
45.00000	91.00000	40.20000	-0.0068236	37.561	-0.0036963	-0.28390	0.0	!
46.00000	91.00000	40.20000	-0.0052128	37.561	-0.0033291	-0.26666	0.0	!
47.00000	91.00000	40.20000	-0.0037911	37.561	-0.0030032	-0.25072	0.0	!
48.00000	91.00000	40.20000	-0.0025383	37.561	-0.0027135	-0.23597	0.0	!
49.00000	91.00000	40.20000	-0.0014364	37.561	-0.0024555	-0.22230	0.0	!
50.00000	91.00000	40.20000	-469.27E-6	37.561	-0.0022254	-0.20962	0.0	!
-10.00000	92.00000	40.20000	-0.092427	37.561	-0.022393	-0.91365	2.8261E-6	
-9.00000	92.00000	40.20000	-0.10411	37.561	-0.025959	-0.99412	3.0403E-6	
-8.00000	92.00000	40.20000	-0.11694	37.561	-0.030167	-1.0827	3.2700E-6	
-7.00000	92.00000	40.20000	-0.13095	37.561	-0.035131	-1.1801	3.5151E-6	
-6.00000	92.00000	40.20000	-0.14616	37.561	-0.040971	-1.2868	3.7749E-6	
-5.00000	92.00000	40.20000	-0.16259	37.561	-0.047814	-1.4031	4.0481E-6	
-4.00000	92.00000	40.20000	-0.18017	37.561	-0.055782	-1.5294	4.3325E-6	
-3.00000	92.00000	40.20000	-0.19881	37.561	-0.064976	-1.6652	4.6250E-6	
-2.00000	92.00000	40.20000	-0.21834	37.561	-0.075452	-1.8099	4.9217E-6	
-1.00000	92.00000	40.20000	-0.23852	37.561	-0.087198	-1.9620	5.2176E-6	
0.00000	92.00000	40.20000	-0.25902	37.561	-0.10010	-2.1192	5.5071E-6	
1.00000	92.00000	40.20000	-0.27944	37.561	-0.11391	-2.2784	5.7841E-6	
2.00000	92.00000	40.20000	-0.29925	37.561	-0.12823	-2.4356	6.0425E-6	
3.00000	92.00000	40.20000	-0.31791	37.561	-0.14252	-2.5858	6.2764E-6	
4.00000	92.00000	40.20000	-0.33479	37.561	-0.15613	-2.7238	6.4806E-6	
5.00000	92.00000	40.20000	-0.34930	37.561	-0.16833	-2.8439	6.6505E-6	
6.00000	92.00000	40.20000	-0.36087	37.561	-0.17843	-2.9408	6.7823E-6	
7.00000	92.00000	40.20000	-0.36903	37.561	-0.18580	-3.0101	6.8732E-6	
8.00000	92.00000	40.20000	-0.37343	37.561	-0.18999	-3.0484	6.9210E-6	
9.00000	92.00000	40.20000	-0.37390	37.561	-0.19075	-3.0540	6.9247E-6	
10.00000	92.00000	40.20000	-0.37041	37.561	-0.18805	-3.0267	6.8844E-6	
11.00000	92.00000	40.20000	-0.36314	37.561	-0.18209	-2.9680	6.8011E-6	
12.00000	92.00000	40.20000	-0.35240	37.561	-0.17329	-2.8809	6.6770E-6	
13.00000	92.00000	40.20000	-0.33866	37.561	-0.16222	-2.7699	6.5151E-6	
14.00000	92.00000	40.20000	-0.32247	37.561	-0.14956	-2.6399	6.3193E-6	
15.00000	92.00000	40.20000	-0.30441	37.561	-0.13600	-2.4964	6.0940E-6	
16.00000	92.00000	40.20000	-0.28510	37.561	-0.12220	-2.3448	5.8445E-6	
17.00000	92.00000	40.20000	-0.26510	37.561	-0.10870	-2.1899	5.5765E-6	
18.00000	92.00000	40.20000	-0.24491	37.561	-0.095929	-2.0359	5.2958E-6	
19.00000	92.00000	40.20000	-0.22497	37.561	-0.084161	-1.8860	5.0083E-6	
20.00000	92.00000	40.20000	-0.20559	37.561	-0.073539	-1.7426	4.7195E-6	
21.00000	92.00000	40.20000	-0.18704	37.561	-0.064103	-1.6073	4.4340E-6	
22.00000	92.00000	40.20000	-0.16949	37.561	-0.055818	-1.4809	4.1559E-6	

23.00000	92.00000	40.20000	-0.15304	37.561	-0.048603	-1.3637	3.8880E-6	
24.00000	92.00000	40.20000	-0.13773	37.561	-0.042352	-1.2558	3.6324E-6	
25.00000	92.00000	40.20000	-0.12359	37.561	-0.036951	-1.1567	3.3906E-6	
26.00000	92.00000	40.20000	-0.11060	37.561	-0.032291	-1.0660	3.1632E-6	
27.00000	92.00000	40.20000	-0.098713	37.561	-0.028268	-0.98314	2.9503E-6	
28.00000	92.00000	40.20000	-0.087877	37.561	-0.024792	-0.90752	2.7516E-6	
29.00000	92.00000	40.20000	-0.078030	37.561	-0.021784	-0.83852	2.5669E-6	
30.00000	92.00000	40.20000	-0.069106	37.561	-0.019177	-0.77557	2.3953E-6	
31.00000	92.00000	40.20000	-0.061037	37.561	-0.016912	-0.71811	2.2362E-6	
32.00000	92.00000	40.20000	-0.053756	37.561	-0.014941	-0.66562	2.0888E-6	
33.00000	92.00000	40.20000	-0.047197	37.561	-0.013222	-0.61766	1.9522E-6	
34.00000	92.00000	40.20000	-0.041299	37.561	-0.011720	-0.57379	1.8258E-6	
35.00000	92.00000	40.20000	-0.036003	37.561	-0.010406	-0.53362	1.7087E-6	
36.00000	92.00000	40.20000	-0.031253	37.561	-0.0092546	-0.49681	1.6003E-6	
37.00000	92.00000	40.20000	-0.026999	37.561	-0.0082433	-0.46304	1.4998E-6	
38.00000	92.00000	40.20000	-0.023195	37.561	-0.0073541	-0.43203	1.4067E-6	
39.00000	92.00000	40.20000	-0.019796	37.561	-0.0065710	-0.40353	1.3204E-6	
40.00000	92.00000	40.20000	-0.016763	37.561	-0.0058804	-0.37730	1.2403E-6	
41.00000	92.00000	40.20000	-0.014060	37.561	-0.0052705	-0.35314	1.1660E-6	!
42.00000	92.00000	40.20000	-0.011654	37.561	-0.0047310	-0.33087	1.0969E-6	!
43.00000	92.00000	40.20000	-0.0095153	37.561	-0.0042532	-0.31031	1.0328E-6	!
44.00000	92.00000	40.20000	-0.0076167	37.561	-0.0038295	-0.29132	0.0	!
45.00000	92.00000	40.20000	-0.0059337	37.561	-0.0034530	-0.27375	0.0	!
46.00000	92.00000	40.20000	-0.0044440	37.561	-0.0031182	-0.25749	0.0	!
47.00000	92.00000	40.20000	-0.0031277	37.561	-0.0028200	-0.24242	0.0	!
48.00000	92.00000	40.20000	-0.0019667	37.561	-0.0025540	-0.22844	0.0	!
49.00000	92.00000	40.20000	-944.70E-6	37.561	-0.0023164	-0.21546	0.0	!
50.00000	92.00000	40.20000	-47.091E-6	37.561	-0.0021039	-0.20340	0.0	!
-10.00000	93.00000	40.20000	-0.082715	37.561	-0.019558	-0.84447	2.6369E-6	
-9.00000	93.00000	40.20000	-0.092907	37.561	-0.022475	-0.91453	2.8275E-6	
-8.00000	93.00000	40.20000	-0.10402	37.561	-0.025871	-0.99098	3.0308E-6	
-7.00000	93.00000	40.20000	-0.11608	37.561	-0.029817	-1.0742	3.2467E-6	
-6.00000	93.00000	40.20000	-0.12909	37.561	-0.034387	-1.1644	3.4745E-6	
-5.00000	93.00000	40.20000	-0.14301	37.561	-0.039653	-1.2618	3.7130E-6	
-4.00000	93.00000	40.20000	-0.15780	37.561	-0.045676	-1.3661	3.9604E-6	
-3.00000	93.00000	40.20000	-0.17334	37.561	-0.052497	-1.4771	4.2144E-6	
-2.00000	93.00000	40.20000	-0.18949	37.561	-0.060126	-1.5938	4.4717E-6	
-1.00000	93.00000	40.20000	-0.20602	37.561	-0.068519	-1.7150	4.7285E-6	
0.00000	93.00000	40.20000	-0.22267	37.561	-0.077571	-1.8387	4.9802E-6	
1.00000	93.00000	40.20000	-0.23911	37.561	-0.087095	-1.9626	5.2221E-6	
2.00000	93.00000	40.20000	-0.25494	37.561	-0.096821	-2.0835	5.4489E-6	
3.00000	93.00000	40.20000	-0.26974	37.561	-0.10640	-2.1979	5.6556E-6	
4.00000	93.00000	40.20000	-0.28304	37.561	-0.11542	-2.3021	5.8372E-6	
5.00000	93.00000	40.20000	-0.29442	37.561	-0.12345	-2.3923	5.9894E-6	
6.00000	93.00000	40.20000	-0.30346	37.561	-0.13006	-2.4647	6.1082E-6	
7.00000	93.00000	40.20000	-0.30982	37.561	-0.13488	-2.5163	6.1906E-6	
8.00000	93.00000	40.20000	-0.31326	37.561	-0.13764	-2.5450	6.2345E-6	
9.00000	93.00000	40.20000	-0.31364	37.561	-0.13820	-2.5495	6.2388E-6	
10.00000	93.00000	40.20000	-0.31095	37.561	-0.13652	-2.5297	6.2035E-6	
11.00000	93.00000	40.20000	-0.30532	37.561	-0.13273	-2.4866	6.1296E-6	
12.00000	93.00000	40.20000	-0.29698	37.561	-0.12708	-2.4223	6.0194E-6	
13.00000	93.00000	40.20000	-0.28624	37.561	-0.11990	-2.3396	5.8757E-6	
14.00000	93.00000	40.20000	-0.27351	37.561	-0.11160	-2.2421	5.7025E-6	
15.00000	93.00000	40.20000	-0.25923	37.561	-0.10260	-2.1334	5.5042E-6	

16.00000	93.00000	40.20000	-0.24384	37.561	-0.093301	-2.0173	5.2856E-6	
17.00000	93.00000	40.20000	-0.22776	37.561	-0.084067	-1.8974	5.0517E-6	
18.00000	93.00000	40.20000	-0.21140	37.561	-0.075176	-1.7767	4.8074E-6	
19.00000	93.00000	40.20000	-0.19508	37.561	-0.066828	-1.6578	4.5577E-6	
20.00000	93.00000	40.20000	-0.17910	37.561	-0.059148	-1.5425	4.3068E-6	
21.00000	93.00000	40.20000	-0.16365	37.561	-0.052195	-1.4323	4.0586E-6	
22.00000	93.00000	40.20000	-0.14891	37.561	-0.045977	-1.3282	3.8161E-6	
23.00000	93.00000	40.20000	-0.13497	37.561	-0.040465	-1.2305	3.5817E-6	
24.00000	93.00000	40.20000	-0.12191	37.561	-0.035611	-1.1394	3.3573E-6	
25.00000	93.00000	40.20000	-0.10976	37.561	-0.031353	-1.0550	3.1438E-6	
26.00000	93.00000	40.20000	-0.098517	37.561	-0.027628	-0.97706	2.9421E-6	
27.00000	93.00000	40.20000	-0.088164	37.561	-0.024371	-0.90519	2.7523E-6	
28.00000	93.00000	40.20000	-0.078674	37.561	-0.021526	-0.83906	2.5745E-6	
29.00000	93.00000	40.20000	-0.070004	37.561	-0.019038	-0.77829	2.4082E-6	
30.00000	93.00000	40.20000	-0.062109	37.561	-0.016862	-0.72246	2.2531E-6	
31.00000	93.00000	40.20000	-0.054939	37.561	-0.014955	-0.67119	2.1086E-6	
32.00000	93.00000	40.20000	-0.048442	37.561	-0.013282	-0.62409	1.9742E-6	
33.00000	93.00000	40.20000	-0.042568	37.561	-0.011814	-0.58082	1.8493E-6	
34.00000	93.00000	40.20000	-0.037267	37.561	-0.010522	-0.54105	1.7332E-6	
35.00000	93.00000	40.20000	-0.032492	37.561	-0.0093842	-0.50448	1.6253E-6	
36.00000	93.00000	40.20000	-0.028197	37.561	-0.0083813	-0.47082	1.5251E-6	
37.00000	93.00000	40.20000	-0.024340	37.561	-0.0074958	-0.43982	1.4319E-6	
38.00000	93.00000	40.20000	-0.020881	37.561	-0.0067130	-0.41126	1.3453E-6	
39.00000	93.00000	40.20000	-0.017784	37.561	-0.0060203	-0.38491	1.2649E-6	
40.00000	93.00000	40.20000	-0.015014	37.561	-0.0054064	-0.36058	1.1900E-6	
41.00000	93.00000	40.20000	-0.012541	37.561	-0.0048618	-0.33811	1.1204E-6	!
42.00000	93.00000	40.20000	-0.010335	37.561	-0.0043780	-0.31733	1.0555E-6	!
43.00000	93.00000	40.20000	-0.0083715	37.561	-0.0039477	-0.29810	0.0	!
44.00000	93.00000	40.20000	-0.0066255	37.561	-0.0035646	-0.28029	0.0	!
45.00000	93.00000	40.20000	-0.0050755	37.561	-0.0032230	-0.26377	0.0	!
46.00000	93.00000	40.20000	-0.0037019	37.561	-0.0029181	-0.24845	0.0	!
47.00000	93.00000	40.20000	-0.0024868	37.561	-0.0026455	-0.23422	0.0	!
48.00000	93.00000	40.20000	-0.0014141	37.561	-0.0024016	-0.22099	0.0	!
49.00000	93.00000	40.20000	-469.09E-6	37.561	-0.0021831	-0.20868	0.0	!
50.00000	93.00000	40.20000	361.40E-6	37.561	-0.0019870	-0.19722	0.0	!
-10.00000	94.00000	40.20000	-0.073742	37.561	-0.017085	-0.78050	2.4587E-6	
-9.00000	94.00000	40.20000	-0.082611	37.561	-0.019472	-0.84149	2.6280E-6	
-8.00000	94.00000	40.20000	-0.092225	37.561	-0.022215	-0.90749	2.8076E-6	
-7.00000	94.00000	40.20000	-0.10259	37.561	-0.025360	-0.97867	2.9973E-6	
-6.00000	94.00000	40.20000	-0.11369	37.561	-0.028950	-1.0551	3.1965E-6	
-5.00000	94.00000	40.20000	-0.12549	37.561	-0.033022	-1.1368	3.4040E-6	
-4.00000	94.00000	40.20000	-0.13793	37.561	-0.037606	-1.2234	3.6185E-6	
-3.00000	94.00000	40.20000	-0.15091	37.561	-0.042714	-1.3145	3.8377E-6	
-2.00000	94.00000	40.20000	-0.16428	37.561	-0.048333	-1.4093	4.0592E-6	
-1.00000	94.00000	40.20000	-0.17787	37.561	-0.054414	-1.5066	4.2798E-6	
0.00000	94.00000	40.20000	-0.19145	37.561	-0.060870	-1.6050	4.4959E-6	
1.00000	94.00000	40.20000	-0.20475	37.561	-0.067562	-1.7023	4.7034E-6	
2.00000	94.00000	40.20000	-0.21748	37.561	-0.074305	-1.7965	4.8982E-6	
3.00000	94.00000	40.20000	-0.22930	37.561	-0.080870	-1.8849	5.0759E-6	
4.00000	94.00000	40.20000	-0.23987	37.561	-0.086995	-1.9648	5.2324E-6	
5.00000	94.00000	40.20000	-0.24887	37.561	-0.092407	-2.0335	5.3637E-6	
6.00000	94.00000	40.20000	-0.25599	37.561	-0.096846	-2.0885	5.4666E-6	
7.00000	94.00000	40.20000	-0.26100	37.561	-0.10008	-2.1277	5.5383E-6	
8.00000	94.00000	40.20000	-0.26371	37.561	-0.10196	-2.1495	5.5768E-6	

9.00000	94.00000	40.20000	-0.26402	37.561	-0.10236	-2.1532	5.5812E-6	
10.00000	94.00000	40.20000	-0.26194	37.561	-0.10130	-2.1386	5.5514E-6	
11.00000	94.00000	40.20000	-0.25754	37.561	-0.098833	-2.1065	5.4885E-6	
12.00000	94.00000	40.20000	-0.25099	37.561	-0.095112	-2.0581	5.3942E-6	
13.00000	94.00000	40.20000	-0.24253	37.561	-0.090343	-1.9956	5.2712E-6	
14.00000	94.00000	40.20000	-0.23244	37.561	-0.084773	-1.9213	5.1229E-6	
15.00000	94.00000	40.20000	-0.22106	37.561	-0.078666	-1.8378	4.9531E-6	
16.00000	94.00000	40.20000	-0.20871	37.561	-0.072280	-1.7479	4.7659E-6	
17.00000	94.00000	40.20000	-0.19573	37.561	-0.065844	-1.6540	4.5655E-6	
18.00000	94.00000	40.20000	-0.18241	37.561	-0.059550	-1.5585	4.3561E-6	
19.00000	94.00000	40.20000	-0.16902	37.561	-0.053544	-1.4633	4.1416E-6	
20.00000	94.00000	40.20000	-0.15580	37.561	-0.047927	-1.3700	3.9256E-6	
21.00000	94.00000	40.20000	-0.14292	37.561	-0.042755	-1.2799	3.7112E-6	
22.00000	94.00000	40.20000	-0.13053	37.561	-0.038053	-1.1937	3.5009E-6	
23.00000	94.00000	40.20000	-0.11874	37.561	-0.033819	-1.1120	3.2967E-6	
24.00000	94.00000	40.20000	-0.10761	37.561	-0.030034	-1.0351	3.1002E-6	
25.00000	94.00000	40.20000	-0.097176	37.561	-0.026667	-0.96311	2.9125E-6	
26.00000	94.00000	40.20000	-0.087464	37.561	-0.023683	-0.89602	2.7341E-6	
27.00000	94.00000	40.20000	-0.078469	37.561	-0.021044	-0.83367	2.5654E-6	
28.00000	94.00000	40.20000	-0.070178	37.561	-0.018712	-0.77586	2.4065E-6	
29.00000	94.00000	40.20000	-0.062565	37.561	-0.016654	-0.72235	2.2572E-6	
30.00000	94.00000	40.20000	-0.055600	37.561	-0.014837	-0.67288	2.1174E-6	
31.00000	94.00000	40.20000	-0.049246	37.561	-0.013231	-0.62717	1.9865E-6	
32.00000	94.00000	40.20000	-0.043466	37.561	-0.011812	-0.58495	1.8643E-6	
33.00000	94.00000	40.20000	-0.038220	37.561	-0.010557	-0.54596	1.7502E-6	
34.00000	94.00000	40.20000	-0.033470	37.561	-0.0094465	-0.50995	1.6438E-6	
35.00000	94.00000	40.20000	-0.029177	37.561	-0.0084622	-0.47669	1.5446E-6	
36.00000	94.00000	40.20000	-0.025304	37.561	-0.0075892	-0.44595	1.4521E-6	
37.00000	94.00000	40.20000	-0.021817	37.561	-0.0068143	-0.41753	1.3659E-6	
38.00000	94.00000	40.20000	-0.018682	37.561	-0.0061257	-0.39125	1.2856E-6	
39.00000	94.00000	40.20000	-0.015868	37.561	-0.0055133	-0.36692	1.2107E-6	
40.00000	94.00000	40.20000	-0.013346	37.561	-0.0049681	-0.34439	1.1408E-6	
41.00000	94.00000	40.20000	-0.011090	37.561	-0.0044822	-0.32351	1.0757E-6	!
42.00000	94.00000	40.20000	-0.0090739	37.561	-0.0040487	-0.30415	1.0149E-6	!
43.00000	94.00000	40.20000	-0.0072759	37.561	-0.0036616	-0.28618	0.0	!
44.00000	94.00000	40.20000	-0.0056749	37.561	-0.0033156	-0.26949	0.0	!
45.00000	94.00000	40.20000	-0.0042516	37.561	-0.0030059	-0.25399	0.0	!
46.00000	94.00000	40.20000	-0.0029888	37.561	-0.0027285	-0.23956	0.0	!
47.00000	94.00000	40.20000	-0.0018705	37.561	-0.0024797	-0.22614	0.0	!
48.00000	94.00000	40.20000	-882.39E-6	37.561	-0.0022564	-0.21363	0.0	!
49.00000	94.00000	40.20000	-11.244E-6	37.561	-0.0020556	-0.20198	0.0	!
50.00000	94.00000	40.20000	754.75E-6	37.561	-0.0018750	-0.19110	0.0	!
-10.00000	95.00000	40.20000	-0.065496	37.561	-0.014933	-0.72152	2.2916E-6	
-9.00000	95.00000	40.20000	-0.073198	37.561	-0.016889	-0.77464	2.4417E-6	
-8.00000	95.00000	40.20000	-0.081500	37.561	-0.019110	-0.83166	2.6002E-6	
-7.00000	95.00000	40.20000	-0.090396	37.561	-0.021623	-0.89265	2.7667E-6	
-6.00000	95.00000	40.20000	-0.099865	37.561	-0.024454	-0.95758	2.9405E-6	
-5.00000	95.00000	40.20000	-0.10987	37.561	-0.027622	-1.0263	3.1208E-6	
-4.00000	95.00000	40.20000	-0.12033	37.561	-0.031136	-1.0985	3.3062E-6	
-3.00000	95.00000	40.20000	-0.13118	37.561	-0.034996	-1.1737	3.4950E-6	
-2.00000	95.00000	40.20000	-0.14228	37.561	-0.039180	-1.2512	3.6849E-6	
-1.00000	95.00000	40.20000	-0.15348	37.561	-0.043644	-1.3300	3.8734E-6	
0.00000	95.00000	40.20000	-0.16459	37.561	-0.048317	-1.4088	4.0575E-6	
1.00000	95.00000	40.20000	-0.17541	37.561	-0.053101	-1.4861	4.2340E-6	

2.00000	95.00000	40.20000	-0.18570	37.561	-0.057865	-1.5603	4.3995E-6
3.00000	95.00000	40.20000	-0.19520	37.561	-0.062456	-1.6295	4.5503E-6
4.00000	95.00000	40.20000	-0.20366	37.561	-0.066705	-1.6916	4.6830E-6
5.00000	95.00000	40.20000	-0.21083	37.561	-0.070437	-1.7447	4.7944E-6
6.00000	95.00000	40.20000	-0.21650	37.561	-0.073487	-1.7871	4.8818E-6
7.00000	95.00000	40.20000	-0.22047	37.561	-0.075714	-1.8173	4.9428E-6
8.00000	95.00000	40.20000	-0.22263	37.561	-0.077010	-1.8342	4.9759E-6
9.00000	95.00000	40.20000	-0.22289	37.561	-0.077319	-1.8372	4.9802E-6
10.00000	95.00000	40.20000	-0.22125	37.561	-0.076630	-1.8263	4.9556E-6
11.00000	95.00000	40.20000	-0.21778	37.561	-0.074989	-1.8019	4.9030E-6
12.00000	95.00000	40.20000	-0.21260	37.561	-0.072485	-1.7651	4.8238E-6
13.00000	95.00000	40.20000	-0.20588	37.561	-0.069248	-1.7171	4.7203E-6
14.00000	95.00000	40.20000	-0.19783	37.561	-0.065432	-1.6598	4.5953E-6
15.00000	95.00000	40.20000	-0.18870	37.561	-0.061205	-1.5948	4.4519E-6
16.00000	95.00000	40.20000	-0.17874	37.561	-0.056734	-1.5243	4.2934E-6
17.00000	95.00000	40.20000	-0.16820	37.561	-0.052171	-1.4500	4.1234E-6
18.00000	95.00000	40.20000	-0.15732	37.561	-0.047649	-1.3738	3.9452E-6
19.00000	95.00000	40.20000	-0.14630	37.561	-0.043271	-1.2970	3.7621E-6
20.00000	95.00000	40.20000	-0.13534	37.561	-0.039115	-1.2211	3.5770E-6
21.00000	95.00000	40.20000	-0.12459	37.561	-0.035232	-1.1469	3.3925E-6
22.00000	95.00000	40.20000	-0.11418	37.561	-0.031649	-1.0752	3.2107E-6
23.00000	95.00000	40.20000	-0.10420	37.561	-0.028378	-1.0067	3.0333E-6
24.00000	95.00000	40.20000	-0.094717	37.561	-0.025413	-0.94158	2.8617E-6
25.00000	95.00000	40.20000	-0.085774	37.561	-0.022741	-0.88010	2.6968E-6
26.00000	95.00000	40.20000	-0.077399	37.561	-0.020345	-0.82231	2.5394E-6
27.00000	95.00000	40.20000	-0.069598	37.561	-0.018202	-0.76818	2.3897E-6
28.00000	95.00000	40.20000	-0.062370	37.561	-0.016289	-0.71764	2.2480E-6
29.00000	95.00000	40.20000	-0.055701	37.561	-0.014585	-0.67053	2.1143E-6
30.00000	95.00000	40.20000	-0.049571	37.561	-0.013066	-0.62671	1.9884E-6
31.00000	95.00000	40.20000	-0.043955	37.561	-0.011714	-0.58598	1.8701E-6
32.00000	95.00000	40.20000	-0.038826	37.561	-0.010511	-0.54816	1.7592E-6
33.00000	95.00000	40.20000	-0.034154	37.561	-0.0094383	-0.51305	1.6552E-6
34.00000	95.00000	40.20000	-0.029910	37.561	-0.0084830	-0.48048	1.5579E-6
35.00000	95.00000	40.20000	-0.026061	37.561	-0.0076314	-0.45025	1.4668E-6
36.00000	95.00000	40.20000	-0.022579	37.561	-0.0068719	-0.42221	1.3816E-6
37.00000	95.00000	40.20000	-0.019435	37.561	-0.0061940	-0.39618	1.3020E-6
38.00000	95.00000	40.20000	-0.016602	37.561	-0.0055885	-0.37202	1.2275E-6
39.00000	95.00000	40.20000	-0.014052	37.561	-0.0050474	-0.34958	1.1579E-6
40.00000	95.00000	40.20000	-0.011763	37.561	-0.0045635	-0.32873	1.0928E-6
41.00000	95.00000	40.20000	-0.0097099	37.561	-0.0041303	-0.30936	1.0320E-6
42.00000	95.00000	40.20000	-0.0078726	37.561	-0.0037422	-0.29134	0.0 !
43.00000	95.00000	40.20000	-0.0062312	37.561	-0.0033942	-0.27457	0.0 !
44.00000	95.00000	40.20000	-0.0047673	37.561	-0.0030820	-0.25895	0.0 !
45.00000	95.00000	40.20000	-0.0034642	37.561	-0.0028016	-0.24441	0.0 !
46.00000	95.00000	40.20000	-0.0023067	37.561	-0.0025495	-0.23085	0.0 !
47.00000	95.00000	40.20000	-0.0012806	37.561	-0.0023226	-0.21820	0.0 !
48.00000	95.00000	40.20000	-373.11E-6	37.561	-0.0021183	-0.20639	0.0 !
49.00000	95.00000	40.20000	427.45E-6	37.561	-0.0019341	-0.19536	0.0 !
50.00000	95.00000	40.20000	0.0011317	37.561	-0.0017678	-0.18506	0.0 !
-10.00000	96.00000	40.20000	-0.057952	37.561	-0.013066	-0.66727	2.1355E-6
-9.00000	96.00000	40.20000	-0.064629	37.561	-0.014670	-0.71356	2.2685E-6
-8.00000	96.00000	40.20000	-0.071788	37.561	-0.016472	-0.76289	2.4082E-6
-7.00000	96.00000	40.20000	-0.079416	37.561	-0.018488	-0.81525	2.5542E-6
-6.00000	96.00000	40.20000	-0.087489	37.561	-0.020731	-0.87054	2.7059E-6

-5.00000	96.00000	40.20000	-0.095963	37.561	-0.023209	-0.92856	2.8624E-6
-4.00000	96.00000	40.20000	-0.10478	37.561	-0.025924	-0.98901	3.0225E-6
-3.00000	96.00000	40.20000	-0.11385	37.561	-0.028866	-1.0514	3.1848E-6
-2.00000	96.00000	40.20000	-0.12308	37.561	-0.032014	-1.1151	3.3474E-6
-1.00000	96.00000	40.20000	-0.13234	37.561	-0.035331	-1.1794	3.5081E-6
0.00000	96.00000	40.20000	-0.14147	37.561	-0.038763	-1.2431	3.6646E-6
1.00000	96.00000	40.20000	-0.15031	37.561	-0.042235	-1.3052	3.8141E-6
2.00000	96.00000	40.20000	-0.15867	37.561	-0.045659	-1.3642	3.9539E-6
3.00000	96.00000	40.20000	-0.16635	37.561	-0.048930	-1.4189	4.0810E-6
4.00000	96.00000	40.20000	-0.17316	37.561	-0.051936	-1.4678	4.1928E-6
5.00000	96.00000	40.20000	-0.17892	37.561	-0.054562	-1.5094	4.2867E-6
6.00000	96.00000	40.20000	-0.18345	37.561	-0.056702	-1.5425	4.3602E-6
7.00000	96.00000	40.20000	-0.18663	37.561	-0.058265	-1.5661	4.4117E-6
8.00000	96.00000	40.20000	-0.18835	37.561	-0.059183	-1.5794	4.4398E-6
9.00000	96.00000	40.20000	-0.18857	37.561	-0.059419	-1.5819	4.4438E-6
10.00000	96.00000	40.20000	-0.18728	37.561	-0.058966	-1.5736	4.4236E-6
11.00000	96.00000	40.20000	-0.18453	37.561	-0.057852	-1.5549	4.3800E-6
12.00000	96.00000	40.20000	-0.18040	37.561	-0.056133	-1.5264	4.3142E-6
13.00000	96.00000	40.20000	-0.17502	37.561	-0.053892	-1.4892	4.2278E-6
14.00000	96.00000	40.20000	-0.16856	37.561	-0.051228	-1.4443	4.1231E-6
15.00000	96.00000	40.20000	-0.16120	37.561	-0.048250	-1.3933	4.0027E-6
16.00000	96.00000	40.20000	-0.15312	37.561	-0.045066	-1.3374	3.8693E-6
17.00000	96.00000	40.20000	-0.14453	37.561	-0.041781	-1.2780	3.7257E-6
18.00000	96.00000	40.20000	-0.13560	37.561	-0.038485	-1.2166	3.5746E-6
19.00000	96.00000	40.20000	-0.12651	37.561	-0.035254	-1.1542	3.4188E-6
20.00000	96.00000	40.20000	-0.11741	37.561	-0.032146	-1.0920	3.2605E-6
21.00000	96.00000	40.20000	-0.10842	37.561	-0.029204	-1.0306	3.1020E-6
22.00000	96.00000	40.20000	-0.099665	37.561	-0.026454	-0.97081	2.9450E-6
23.00000	96.00000	40.20000	-0.091217	37.561	-0.023910	-0.91310	2.7911E-6
24.00000	96.00000	40.20000	-0.083141	37.561	-0.021576	-0.85782	2.6414E-6
25.00000	96.00000	40.20000	-0.075482	37.561	-0.019448	-0.80519	2.4968E-6
26.00000	96.00000	40.20000	-0.068268	37.561	-0.017518	-0.75534	2.3580E-6
27.00000	96.00000	40.20000	-0.061514	37.561	-0.015774	-0.70831	2.2254E-6
28.00000	96.00000	40.20000	-0.055224	37.561	-0.014202	-0.66409	2.0993E-6
29.00000	96.00000	40.20000	-0.049394	37.561	-0.012789	-0.62261	1.9796E-6
30.00000	96.00000	40.20000	-0.044011	37.561	-0.011519	-0.58379	1.8665E-6
31.00000	96.00000	40.20000	-0.039059	37.561	-0.010380	-0.54751	1.7597E-6
32.00000	96.00000	40.20000	-0.034519	37.561	-0.0093581	-0.51364	1.6591E-6
33.00000	96.00000	40.20000	-0.030369	37.561	-0.0084418	-0.48205	1.5645E-6
34.00000	96.00000	40.20000	-0.026586	37.561	-0.0076203	-0.45260	1.4755E-6
35.00000	96.00000	40.20000	-0.023145	37.561	-0.0068836	-0.42516	1.3921E-6
36.00000	96.00000	40.20000	-0.020023	37.561	-0.0062228	-0.39960	1.3137E-6
37.00000	96.00000	40.20000	-0.017196	37.561	-0.0056300	-0.37578	1.2402E-6
38.00000	96.00000	40.20000	-0.014642	37.561	-0.0050978	-0.35359	1.1714E-6
39.00000	96.00000	40.20000	-0.012339	37.561	-0.0046200	-0.33291	1.1068E-6
40.00000	96.00000	40.20000	-0.010265	37.561	-0.0041906	-0.31364	1.0462E-6
41.00000	96.00000	40.20000	-0.0084032	37.561	-0.0038046	-0.29568	0.0 !
42.00000	96.00000	40.20000	-0.0067334	37.561	-0.0034574	-0.27892	0.0 !
43.00000	96.00000	40.20000	-0.0052391	37.561	-0.0031449	-0.26328	0.0 !
44.00000	96.00000	40.20000	-0.0039045	37.561	-0.0028634	-0.24869	0.0 !
45.00000	96.00000	40.20000	-0.0027150	37.561	-0.0026096	-0.23506	0.0 !
46.00000	96.00000	40.20000	-0.0016571	37.561	-0.0023807	-0.22233	0.0 !
47.00000	96.00000	40.20000	-718.38E-6	37.561	-0.0021740	-0.21042	0.0 !
48.00000	96.00000	40.20000	112.47E-6	37.561	-0.0019873	-0.19928	0.0 !



49.00000	96.00000	40.20000	845.85E-6	37.561	-0.0018184	-0.18886	0.0	!
50.00000	96.00000	40.20000	0.0014913	37.561	-0.0016656	-0.17910	0.0	!
-10.00000	97.00000	40.20000	-0.051079	37.561	-0.011446	-0.61745	1.9901E-6	
-9.00000	97.00000	40.20000	-0.056859	37.561	-0.012765	-0.65784	2.1079E-6	
-8.00000	97.00000	40.20000	-0.063026	37.561	-0.014231	-0.70058	2.2310E-6	
-7.00000	97.00000	40.20000	-0.069562	37.561	-0.015854	-0.74562	2.3590E-6	
-6.00000	97.00000	40.20000	-0.076442	37.561	-0.017640	-0.79283	2.4914E-6	
-5.00000	97.00000	40.20000	-0.083624	37.561	-0.019590	-0.84200	2.6272E-6	
-4.00000	97.00000	40.20000	-0.091053	37.561	-0.021702	-0.89282	2.7656E-6	
-3.00000	97.00000	40.20000	-0.098657	37.561	-0.023965	-0.94487	2.9051E-6	
-2.00000	97.00000	40.20000	-0.10635	37.561	-0.026358	-0.99760	3.0442E-6	
-1.00000	97.00000	40.20000	-0.11402	37.561	-0.028852	-1.0503	3.1812E-6	
0.00000	97.00000	40.20000	-0.12154	37.561	-0.031404	-1.1023	3.3141E-6	
1.00000	97.00000	40.20000	-0.12879	37.561	-0.033961	-1.1525	3.4406E-6	
2.00000	97.00000	40.20000	-0.13561	37.561	-0.036460	-1.2000	3.5586E-6	
3.00000	97.00000	40.20000	-0.14185	37.561	-0.038830	-1.2438	3.6656E-6	
4.00000	97.00000	40.20000	-0.14737	37.561	-0.040993	-1.2827	3.7596E-6	
5.00000	97.00000	40.20000	-0.15202	37.561	-0.042875	-1.3157	3.8383E-6	
6.00000	97.00000	40.20000	-0.15567	37.561	-0.044405	-1.3419	3.9000E-6	
7.00000	97.00000	40.20000	-0.15823	37.561	-0.045524	-1.3605	3.9433E-6	
8.00000	97.00000	40.20000	-0.15962	37.561	-0.046187	-1.3710	3.9670E-6	
9.00000	97.00000	40.20000	-0.15980	37.561	-0.046370	-1.3731	3.9707E-6	
10.00000	97.00000	40.20000	-0.15878	37.561	-0.046067	-1.3668	3.9543E-6	
11.00000	97.00000	40.20000	-0.15657	37.561	-0.045298	-1.3523	3.9183E-6	
12.00000	97.00000	40.20000	-0.15326	37.561	-0.044097	-1.3300	3.8636E-6	
13.00000	97.00000	40.20000	-0.14893	37.561	-0.042517	-1.3007	3.7917E-6	
14.00000	97.00000	40.20000	-0.14372	37.561	-0.040625	-1.2652	3.7043E-6	
15.00000	97.00000	40.20000	-0.13775	37.561	-0.038491	-1.2246	3.6035E-6	
16.00000	97.00000	40.20000	-0.13117	37.561	-0.036189	-1.1799	3.4913E-6	
17.00000	97.00000	40.20000	-0.12413	37.561	-0.033789	-1.1321	3.3702E-6	
18.00000	97.00000	40.20000	-0.11679	37.561	-0.031355	-1.0822	3.2422E-6	
19.00000	97.00000	40.20000	-0.10927	37.561	-0.028943	-1.0311	3.1096E-6	
20.00000	97.00000	40.20000	-0.10169	37.561	-0.026596	-0.97976	2.9744E-6	
21.00000	97.00000	40.20000	-0.094174	37.561	-0.024347	-0.92872	2.8382E-6	
22.00000	97.00000	40.20000	-0.086802	37.561	-0.022220	-0.87860	2.7027E-6	
23.00000	97.00000	40.20000	-0.079650	37.561	-0.020230	-0.82984	2.5692E-6	
24.00000	97.00000	40.20000	-0.072775	37.561	-0.018383	-0.78276	2.4387E-6	
25.00000	97.00000	40.20000	-0.066219	37.561	-0.016681	-0.73761	2.3120E-6	
26.00000	97.00000	40.20000	-0.060013	37.561	-0.015121	-0.69453	2.1897E-6	
27.00000	97.00000	40.20000	-0.054173	37.561	-0.013698	-0.65362	2.0723E-6	
28.00000	97.00000	40.20000	-0.048709	37.561	-0.012404	-0.61490	1.9600E-6	
29.00000	97.00000	40.20000	-0.043620	37.561	-0.011230	-0.57837	1.8531E-6	
30.00000	97.00000	40.20000	-0.038903	37.561	-0.010167	-0.54397	1.7515E-6	
31.00000	97.00000	40.20000	-0.034547	37.561	-0.0092063	-0.51165	1.6552E-6	
32.00000	97.00000	40.20000	-0.030537	37.561	-0.0083384	-0.48133	1.5641E-6	
33.00000	97.00000	40.20000	-0.026860	37.561	-0.0075551	-0.45291	1.4781E-6	
34.00000	97.00000	40.20000	-0.023496	37.561	-0.0068484	-0.42630	1.3969E-6	
35.00000	97.00000	40.20000	-0.020427	37.561	-0.0062110	-0.40139	1.3205E-6	
36.00000	97.00000	40.20000	-0.017634	37.561	-0.0056362	-0.37810	1.2485E-6	
37.00000	97.00000	40.20000	-0.015099	37.561	-0.0051178	-0.35632	1.1808E-6	
38.00000	97.00000	40.20000	-0.012803	37.561	-0.0046501	-0.33596	1.1172E-6	
39.00000	97.00000	40.20000	-0.010728	37.561	-0.0042282	-0.31692	1.0573E-6	
40.00000	97.00000	40.20000	-0.0088558	37.561	-0.0038475	-0.29912	1.0010E-6	
41.00000	97.00000	40.20000	-0.0071710	37.561	-0.0035037	-0.28248	0.0	!

42.00000	97.00000	40.20000	-0.0056576	37.561	-0.0031932	-0.26691	0.0	!
43.00000	97.00000	40.20000	-0.0043012	37.561	-0.0029127	-0.25235	0.0	!
44.00000	97.00000	40.20000	-0.0030879	37.561	-0.0026590	-0.23872	0.0	!
45.00000	97.00000	40.20000	-0.0020051	37.561	-0.0024296	-0.22596	0.0	!
46.00000	97.00000	40.20000	-0.0010411	37.561	-0.0022219	-0.21401	0.0	!
47.00000	97.00000	40.20000	-184.96E-6	37.561	-0.0020337	-0.20281	0.0	!
48.00000	97.00000	40.20000	573.37E-6	37.561	-0.0018632	-0.19232	0.0	!
49.00000	97.00000	40.20000	0.0012431	37.561	-0.0017086	-0.18248	0.0	!
50.00000	97.00000	40.20000	0.0018326	37.561	-0.0015682	-0.17324	0.0	!
-10.00000	98.00000	40.20000	-0.044840	37.561	-0.010041	-0.57175	1.8549E-6	
-9.00000	98.00000	40.20000	-0.049838	37.561	-0.011128	-0.60704	1.9593E-6	
-8.00000	98.00000	40.20000	-0.055145	37.561	-0.012325	-0.64414	2.0678E-6	
-7.00000	98.00000	40.20000	-0.060743	37.561	-0.013637	-0.68298	2.1801E-6	
-6.00000	98.00000	40.20000	-0.066605	37.561	-0.015066	-0.72342	2.2956E-6	
-5.00000	98.00000	40.20000	-0.072693	37.561	-0.016610	-0.76523	2.4137E-6	
-4.00000	98.00000	40.20000	-0.078959	37.561	-0.018265	-0.80814	2.5333E-6	
-3.00000	98.00000	40.20000	-0.085339	37.561	-0.020020	-0.85177	2.6533E-6	
-2.00000	98.00000	40.20000	-0.091758	37.561	-0.021857	-0.89567	2.7725E-6	
-1.00000	98.00000	40.20000	-0.098128	37.561	-0.023752	-0.93927	2.8894E-6	
0.00000	98.00000	40.20000	-0.10435	37.561	-0.025673	-0.98193	3.0023E-6	
1.00000	98.00000	40.20000	-0.11031	37.561	-0.027581	-1.0229	3.1095E-6	
2.00000	98.00000	40.20000	-0.11590	37.561	-0.029432	-1.0615	3.2091E-6	
3.00000	98.00000	40.20000	-0.12100	37.561	-0.031175	-1.0968	3.2993E-6	
4.00000	98.00000	40.20000	-0.12549	37.561	-0.032758	-1.1281	3.3782E-6	
5.00000	98.00000	40.20000	-0.12926	37.561	-0.034129	-1.1545	3.4443E-6	
6.00000	98.00000	40.20000	-0.13222	37.561	-0.035242	-1.1755	3.4961E-6	
7.00000	98.00000	40.20000	-0.13429	37.561	-0.036057	-1.1904	3.5324E-6	
8.00000	98.00000	40.20000	-0.13542	37.561	-0.036544	-1.1989	3.5525E-6	
9.00000	98.00000	40.20000	-0.13557	37.561	-0.036687	-1.2007	3.5559E-6	
10.00000	98.00000	40.20000	-0.13475	37.561	-0.036482	-1.1957	3.5425E-6	
11.00000	98.00000	40.20000	-0.13298	37.561	-0.035941	-1.1843	3.5128E-6	
12.00000	98.00000	40.20000	-0.13031	37.561	-0.035088	-1.1667	3.4674E-6	
13.00000	98.00000	40.20000	-0.12681	37.561	-0.033957	-1.1434	3.4075E-6	
14.00000	98.00000	40.20000	-0.12258	37.561	-0.032591	-1.1150	3.3345E-6	
15.00000	98.00000	40.20000	-0.11771	37.561	-0.031039	-1.0824	3.2500E-6	
16.00000	98.00000	40.20000	-0.11233	37.561	-0.029350	-1.0463	3.1557E-6	
17.00000	98.00000	40.20000	-0.10655	37.561	-0.027574	-1.0074	3.0534E-6	
18.00000	98.00000	40.20000	-0.10049	37.561	-0.025756	-0.96660	2.9449E-6	
19.00000	98.00000	40.20000	-0.094251	37.561	-0.023935	-0.92455	2.8321E-6	
20.00000	98.00000	40.20000	-0.087937	37.561	-0.022144	-0.88191	2.7164E-6	
21.00000	98.00000	40.20000	-0.081636	37.561	-0.020411	-0.83925	2.5994E-6	
22.00000	98.00000	40.20000	-0.075425	37.561	-0.018754	-0.79705	2.4824E-6	
23.00000	98.00000	40.20000	-0.069368	37.561	-0.017187	-0.75569	2.3665E-6	
24.00000	98.00000	40.20000	-0.063516	37.561	-0.015718	-0.71548	2.2527E-6	
25.00000	98.00000	40.20000	-0.057908	37.561	-0.014351	-0.67665	2.1416E-6	
26.00000	98.00000	40.20000	-0.052572	37.561	-0.013086	-0.63935	2.0338E-6	
27.00000	98.00000	40.20000	-0.047528	37.561	-0.011922	-0.60371	1.9299E-6	
28.00000	98.00000	40.20000	-0.042788	37.561	-0.010853	-0.56977	1.8301E-6	
29.00000	98.00000	40.20000	-0.038355	37.561	-0.0098767	-0.53755	1.7345E-6	
30.00000	98.00000	40.20000	-0.034228	37.561	-0.0089856	-0.50706	1.6433E-6	
31.00000	98.00000	40.20000	-0.030403	37.561	-0.0081742	-0.47827	1.5566E-6	
32.00000	98.00000	40.20000	-0.026870	37.561	-0.0074364	-0.45111	1.4741E-6	
33.00000	98.00000	40.20000	-0.023618	37.561	-0.0067663	-0.42555	1.3960E-6	
34.00000	98.00000	40.20000	-0.020633	37.561	-0.0061581	-0.40151	1.3221E-6	

35.00000	98.00000	40.20000	-0.017903	37.561	-0.0056065	-0.37892	1.2521E-6
36.00000	98.00000	40.20000	-0.015412	37.561	-0.0051063	-0.35771	1.1861E-6
37.00000	98.00000	40.20000	-0.013144	37.561	-0.0046530	-0.33780	1.1238E-6
38.00000	98.00000	40.20000	-0.011085	37.561	-0.0042421	-0.31913	1.0650E-6
39.00000	98.00000	40.20000	-0.0092197	37.561	-0.0038697	-0.30161	1.0096E-6
40.00000	98.00000	40.20000	-0.0075339	37.561	-0.0035321	-0.28518	0.0
41.00000	98.00000	40.20000	-0.0060137	37.561	-0.0032261	-0.26977	0.0 !
42.00000	98.00000	40.20000	-0.0046459	37.561	-0.0029485	-0.25532	0.0 !
43.00000	98.00000	40.20000	-0.0034179	37.561	-0.0026968	-0.24177	0.0 !
44.00000	98.00000	40.20000	-0.0023181	37.561	-0.0024684	-0.22905	0.0 !
45.00000	98.00000	40.20000	-0.0013354	37.561	-0.0022610	-0.21711	0.0 !
46.00000	98.00000	40.20000	-459.54E-6	37.561	-0.0020727	-0.20591	0.0 !
47.00000	98.00000	40.20000	318.94E-6	37.561	-0.0019016	-0.19539	0.0 !
48.00000	98.00000	40.20000	0.0010089	37.561	-0.0017460	-0.18551	0.0 !
49.00000	98.00000	40.20000	0.0016185	37.561	-0.0016045	-0.17622	0.0 !
50.00000	98.00000	40.20000	0.0021551	37.561	-0.0014756	-0.16750	0.0 !
-10.00000	99.00000	40.20000	-0.039195	37.561	-0.0088240	-0.52987	1.7295E-6
-9.00000	99.00000	40.20000	-0.043512	37.561	-0.0097222	-0.56075	1.8220E-6
-8.00000	99.00000	40.20000	-0.048076	37.561	-0.010703	-0.59302	1.9177E-6
-7.00000	99.00000	40.20000	-0.052868	37.561	-0.011767	-0.62660	2.0163E-6
-6.00000	99.00000	40.20000	-0.057863	37.561	-0.012916	-0.66133	2.1172E-6
-5.00000	99.00000	40.20000	-0.063026	37.561	-0.014147	-0.69702	2.2199E-6
-4.00000	99.00000	40.20000	-0.068315	37.561	-0.015452	-0.73341	2.3234E-6
-3.00000	99.00000	40.20000	-0.073674	37.561	-0.016824	-0.77017	2.4269E-6
-2.00000	99.00000	40.20000	-0.079042	37.561	-0.018247	-0.80692	2.5292E-6
-1.00000	99.00000	40.20000	-0.084345	37.561	-0.019701	-0.84320	2.6292E-6
0.00000	99.00000	40.20000	-0.089501	37.561	-0.021164	-0.87849	2.7253E-6
1.00000	99.00000	40.20000	-0.094424	37.561	-0.022606	-0.91222	2.8162E-6
2.00000	99.00000	40.20000	-0.099020	37.561	-0.023994	-0.94378	2.9005E-6
3.00000	99.00000	40.20000	-0.10320	37.561	-0.025294	-0.97256	2.9766E-6
4.00000	99.00000	40.20000	-0.10687	37.561	-0.026469	-0.99795	3.0431E-6
5.00000	99.00000	40.20000	-0.10994	37.561	-0.027484	-1.0194	3.0987E-6
6.00000	99.00000	40.20000	-0.11236	37.561	-0.028306	-1.0363	3.1422E-6
7.00000	99.00000	40.20000	-0.11404	37.561	-0.028909	-1.0484	3.1728E-6
8.00000	99.00000	40.20000	-0.11496	37.561	-0.029273	-1.0552	3.1898E-6
9.00000	99.00000	40.20000	-0.11509	37.561	-0.029386	-1.0567	3.1929E-6
10.00000	99.00000	40.20000	-0.11443	37.561	-0.029246	-1.0529	3.1819E-6
11.00000	99.00000	40.20000	-0.11300	37.561	-0.028860	-1.0438	3.1573E-6
12.00000	99.00000	40.20000	-0.11083	37.561	-0.028244	-1.0297	3.1196E-6
13.00000	99.00000	40.20000	-0.10799	37.561	-0.027422	-1.0110	3.0697E-6
14.00000	99.00000	40.20000	-0.10454	37.561	-0.026421	-0.98814	3.0086E-6
15.00000	99.00000	40.20000	-0.10056	37.561	-0.025277	-0.96170	2.9376E-6
16.00000	99.00000	40.20000	-0.096142	37.561	-0.024022	-0.93226	2.8581E-6
17.00000	99.00000	40.20000	-0.091379	37.561	-0.022691	-0.90041	2.7716E-6
18.00000	99.00000	40.20000	-0.086361	37.561	-0.021317	-0.86677	2.6795E-6
19.00000	99.00000	40.20000	-0.081175	37.561	-0.019928	-0.83190	2.5832E-6
20.00000	99.00000	40.20000	-0.075901	37.561	-0.018550	-0.79631	2.4842E-6
21.00000	99.00000	40.20000	-0.070614	37.561	-0.017203	-0.76047	2.3835E-6
22.00000	99.00000	40.20000	-0.065377	37.561	-0.015903	-0.72477	2.2823E-6
23.00000	99.00000	40.20000	-0.060245	37.561	-0.014662	-0.68956	2.1817E-6
24.00000	99.00000	40.20000	-0.055264	37.561	-0.013487	-0.65511	2.0823E-6
25.00000	99.00000	40.20000	-0.050467	37.561	-0.012384	-0.62162	1.9848E-6
26.00000	99.00000	40.20000	-0.045884	37.561	-0.011355	-0.58927	1.8899E-6
27.00000	99.00000	40.20000	-0.041532	37.561	-0.010399	-0.55816	1.7979E-6

28.00000	99.00000	40.20000	-0.037424	37.561	-0.0095152	-0.52837	1.7091E-6
29.00000	99.00000	40.20000	-0.033568	37.561	-0.0087008	-0.49994	1.6237E-6
30.00000	99.00000	40.20000	-0.029964	37.561	-0.0079524	-0.47289	1.5419E-6
31.00000	99.00000	40.20000	-0.026611	37.561	-0.0072664	-0.44722	1.4637E-6
32.00000	99.00000	40.20000	-0.023504	37.561	-0.0066385	-0.42290	1.3892E-6
33.00000	99.00000	40.20000	-0.020634	37.561	-0.0060648	-0.39991	1.3183E-6
34.00000	99.00000	40.20000	-0.017992	37.561	-0.0055410	-0.37819	1.2509E-6
35.00000	99.00000	40.20000	-0.015568	37.561	-0.0050634	-0.35770	1.1870E-6
36.00000	99.00000	40.20000	-0.013351	37.561	-0.0046281	-0.33839	1.1265E-6
37.00000	99.00000	40.20000	-0.011327	37.561	-0.0042316	-0.32021	1.0691E-6
38.00000	99.00000	40.20000	-0.0094853	37.561	-0.0038705	-0.30308	1.0149E-6
39.00000	99.00000	40.20000	-0.0078132	37.561	-0.0035418	-0.28697	0.0
40.00000	99.00000	40.20000	-0.0062990	37.561	-0.0032425	-0.27182	0.0
41.00000	99.00000	40.20000	-0.0049310	37.561	-0.0029701	-0.25756	0.0 !
42.00000	99.00000	40.20000	-0.0036980	37.561	-0.0027222	-0.24416	0.0 !
43.00000	99.00000	40.20000	-0.0025895	37.561	-0.0024964	-0.23155	0.0 !
44.00000	99.00000	40.20000	-0.0015954	37.561	-0.0022908	-0.21969	0.0 !
45.00000	99.00000	40.20000	-706.08E-6	37.561	-0.0021035	-0.20853	0.0 !
46.00000	99.00000	40.20000	87.232E-6	37.561	-0.0019328	-0.19804	0.0 !
47.00000	99.00000	40.20000	792.89E-6	37.561	-0.0017773	-0.18816	0.0 !
48.00000	99.00000	40.20000	0.0014186	37.561	-0.0016354	-0.17887	0.0 !
49.00000	99.00000	40.20000	0.0019716	37.561	-0.0015060	-0.17011	0.0 !
50.00000	99.00000	40.20000	0.0024584	37.561	-0.0013878	-0.16187	0.0 !
-10.00000	100.00000	40.20000	-0.034103	37.561	-0.0077682	-0.49150	1.6134E-6
-9.00000	100.00000	40.20000	-0.037829	37.561	-0.0085126	-0.51857	1.6953E-6
-8.00000	100.00000	40.20000	-0.041751	37.561	-0.0093186	-0.54670	1.7798E-6
-7.00000	100.00000	40.20000	-0.045851	37.561	-0.010186	-0.57580	1.8665E-6
-6.00000	100.00000	40.20000	-0.050108	37.561	-0.011115	-0.60573	1.9548E-6
-5.00000	100.00000	40.20000	-0.054489	37.561	-0.012101	-0.63630	2.0442E-6
-4.00000	100.00000	40.20000	-0.058956	37.561	-0.013138	-0.66729	2.1340E-6
-3.00000	100.00000	40.20000	-0.063464	37.561	-0.014218	-0.69842	2.2234E-6
-2.00000	100.00000	40.20000	-0.067960	37.561	-0.015330	-0.72935	2.3114E-6
-1.00000	100.00000	40.20000	-0.072383	37.561	-0.016457	-0.75972	2.3970E-6
0.00000	100.00000	40.20000	-0.076668	37.561	-0.017583	-0.78910	2.4791E-6
1.00000	100.00000	40.20000	-0.080743	37.561	-0.018684	-0.81705	2.5565E-6
2.00000	100.00000	40.20000	-0.084536	37.561	-0.019739	-0.84309	2.6279E-6
3.00000	100.00000	40.20000	-0.087974	37.561	-0.020721	-0.86674	2.6923E-6
4.00000	100.00000	40.20000	-0.090985	37.561	-0.021605	-0.88753	2.7485E-6
5.00000	100.00000	40.20000	-0.093506	37.561	-0.022366	-0.90503	2.7954E-6
6.00000	100.00000	40.20000	-0.095478	37.561	-0.022983	-0.91886	2.8321E-6
7.00000	100.00000	40.20000	-0.096857	37.561	-0.023435	-0.92870	2.8580E-6
8.00000	100.00000	40.20000	-0.097611	37.561	-0.023711	-0.93433	2.8724E-6
9.00000	100.00000	40.20000	-0.097721	37.561	-0.023801	-0.93563	2.8752E-6
10.00000	100.00000	40.20000	-0.097188	37.561	-0.023704	-0.93258	2.8662E-6
11.00000	100.00000	40.20000	-0.096024	37.561	-0.023425	-0.92527	2.8458E-6
12.00000	100.00000	40.20000	-0.094259	37.561	-0.022974	-0.91389	2.8143E-6
13.00000	100.00000	40.20000	-0.091937	37.561	-0.022368	-0.89872	2.7725E-6
14.00000	100.00000	40.20000	-0.089112	37.561	-0.021625	-0.88013	2.7212E-6
15.00000	100.00000	40.20000	-0.085846	37.561	-0.020770	-0.85851	2.6614E-6
16.00000	100.00000	40.20000	-0.082208	37.561	-0.019826	-0.83433	2.5943E-6
17.00000	100.00000	40.20000	-0.078272	37.561	-0.018818	-0.80805	2.5209E-6
18.00000	100.00000	40.20000	-0.074108	37.561	-0.017768	-0.78014	2.4425E-6
19.00000	100.00000	40.20000	-0.069787	37.561	-0.016699	-0.75103	2.3602E-6
20.00000	100.00000	40.20000	-0.065375	37.561	-0.015629	-0.72116	2.2752E-6

21.00000	100.00000	40.20000	-0.060932	37.561	-0.014574	-0.69090	2.1884E-6
22.00000	100.00000	40.20000	-0.056513	37.561	-0.013547	-0.66058	2.1008E-6
23.00000	100.00000	40.20000	-0.052164	37.561	-0.012558	-0.63050	2.0132E-6
24.00000	100.00000	40.20000	-0.047923	37.561	-0.011614	-0.60088	1.9264E-6
25.00000	100.00000	40.20000	-0.043822	37.561	-0.010720	-0.57193	1.8408E-6
26.00000	100.00000	40.20000	-0.039887	37.561	-0.0098790	-0.54380	1.7571E-6
27.00000	100.00000	40.20000	-0.036135	37.561	-0.0090919	-0.51660	1.6756E-6
28.00000	100.00000	40.20000	-0.032580	37.561	-0.0083586	-0.49041	1.5966E-6
29.00000	100.00000	40.20000	-0.029229	37.561	-0.0076781	-0.46530	1.5203E-6
30.00000	100.00000	40.20000	-0.026087	37.561	-0.0070485	-0.44128	1.4469E-6
31.00000	100.00000	40.20000	-0.023152	37.561	-0.0064676	-0.41838	1.3765E-6
32.00000	100.00000	40.20000	-0.020424	37.561	-0.0059326	-0.39659	1.3091E-6
33.00000	100.00000	40.20000	-0.017897	37.561	-0.0054408	-0.37590	1.2448E-6
34.00000	100.00000	40.20000	-0.015563	37.561	-0.0049895	-0.35628	1.1835E-6
35.00000	100.00000	40.20000	-0.013416	37.561	-0.0045757	-0.33770	1.1251E-6
36.00000	100.00000	40.20000	-0.011447	37.561	-0.0041966	-0.32012	1.0696E-6
37.00000	100.00000	40.20000	-0.0096450	37.561	-0.0038497	-0.30351	1.0169E-6
38.00000	100.00000	40.20000	-0.0080016	37.561	-0.0035324	-0.28782	0.0
39.00000	100.00000	40.20000	-0.0065065	37.561	-0.0032422	-0.27301	0.0
40.00000	100.00000	40.20000	-0.0051498	37.561	-0.0029769	-0.25903	0.0
41.00000	100.00000	40.20000	-0.0039220	37.561	-0.0027345	-0.24585	0.0 !
42.00000	100.00000	40.20000	-0.0028136	37.561	-0.0025130	-0.23342	0.0 !
43.00000	100.00000	40.20000	-0.0018157	37.561	-0.0023105	-0.22170	0.0 !
44.00000	100.00000	40.20000	-919.66E-6	37.561	-0.0021255	-0.21065	0.0 !
45.00000	100.00000	40.20000	-117.28E-6	37.561	-0.0019564	-0.20023	0.0 !
46.00000	100.00000	40.20000	599.10E-6	37.561	-0.0018019	-0.19040	0.0 !
47.00000	100.00000	40.20000	0.0012367	37.561	-0.0016605	-0.18113	0.0 !
48.00000	100.00000	40.20000	0.0018023	37.561	-0.0015312	-0.17239	0.0 !
49.00000	100.00000	40.20000	0.0023022	37.561	-0.0014129	-0.16415	0.0 !
50.00000	100.00000	40.20000	0.0027423	37.561	-0.0013046	-0.15637	0.0 !
Grid formation	-10.00000	40.00000	46.00000	-0.056769	45.958	0.0	0.0 0.0
-9.00000	40.00000	46.00000	-0.063082	45.958	0.0	0.0	0.0
-8.00000	40.00000	46.00000	-0.069813	45.958	0.0	0.0	0.0
-7.00000	40.00000	46.00000	-0.076943	45.958	0.0	0.0	0.0
-6.00000	40.00000	46.00000	-0.084436	45.958	0.0	0.0	0.0
-5.00000	40.00000	46.00000	-0.092237	45.958	0.0	0.0	0.0
-4.00000	40.00000	46.00000	-0.10027	45.958	0.0	0.0	0.0
-3.00000	40.00000	46.00000	-0.10845	45.958	0.0	0.0	0.0
-2.00000	40.00000	46.00000	-0.11664	45.958	0.0	0.0	0.0
-1.00000	40.00000	46.00000	-0.12472	45.958	0.0	0.0	0.0
0.00000	40.00000	46.00000	-0.13251	45.958	0.0	0.0	0.0
1.00000	40.00000	46.00000	-0.13984	45.958	0.0	0.0	0.0
2.00000	40.00000	46.00000	-0.14653	45.958	0.0	0.0	0.0
3.00000	40.00000	46.00000	-0.15241	45.958	0.0	0.0	0.0
4.00000	40.00000	46.00000	-0.15731	45.958	0.0	0.0	0.0
5.00000	40.00000	46.00000	-0.16110	45.958	0.0	0.0	0.0
6.00000	40.00000	46.00000	-0.16369	45.958	0.0	0.0	0.0
7.00000	40.00000	46.00000	-0.16501	45.958	0.0	0.0	0.0
8.00000	40.00000	46.00000	-0.16505	45.958	0.0	0.0	0.0
9.00000	40.00000	46.00000	-0.16384	45.958	0.0	0.0	0.0
10.00000	40.00000	46.00000	-0.16146	45.958	0.0	0.0	0.0
11.00000	40.00000	46.00000	-0.15799	45.958	0.0	0.0	0.0
12.00000	40.00000	46.00000	-0.15355	45.958	0.0	0.0	0.0
13.00000	40.00000	46.00000	-0.14827	45.958	0.0	0.0	0.0

14.00000	40.00000	46.00000	-0.14229	45.958	0.0	0.0	0.0
15.00000	40.00000	46.00000	-0.13576	45.958	0.0	0.0	0.0
16.00000	40.00000	46.00000	-0.12881	45.958	0.0	0.0	0.0
17.00000	40.00000	46.00000	-0.12157	45.958	0.0	0.0	0.0
18.00000	40.00000	46.00000	-0.11416	45.958	0.0	0.0	0.0
19.00000	40.00000	46.00000	-0.10668	45.958	0.0	0.0	0.0
20.00000	40.00000	46.00000	-0.099247	45.958	0.0	0.0	0.0
21.00000	40.00000	46.00000	-0.091928	45.958	0.0	0.0	0.0
22.00000	40.00000	46.00000	-0.084795	45.958	0.0	0.0	0.0
23.00000	40.00000	46.00000	-0.077902	45.958	0.0	0.0	0.0
24.00000	40.00000	46.00000	-0.071292	45.958	0.0	0.0	0.0
25.00000	40.00000	46.00000	-0.064996	45.958	0.0	0.0	0.0
26.00000	40.00000	46.00000	-0.059035	45.958	0.0	0.0	0.0
27.00000	40.00000	46.00000	-0.053422	45.958	0.0	0.0	0.0
28.00000	40.00000	46.00000	-0.048163	45.958	0.0	0.0	0.0
29.00000	40.00000	46.00000	-0.043256	45.958	0.0	0.0	0.0
30.00000	40.00000	46.00000	-0.038696	45.958	0.0	0.0	0.0
31.00000	40.00000	46.00000	-0.034474	45.958	0.0	0.0	0.0
32.00000	40.00000	46.00000	-0.030578	45.958	0.0	0.0	0.0
33.00000	40.00000	46.00000	-0.026994	45.958	0.0	0.0	0.0
34.00000	40.00000	46.00000	-0.023705	45.958	0.0	0.0	0.0
35.00000	40.00000	46.00000	-0.020697	45.958	0.0	0.0	0.0
36.00000	40.00000	46.00000	-0.017950	45.958	0.0	0.0	0.0
37.00000	40.00000	46.00000	-0.015450	45.958	0.0	0.0	0.0
38.00000	40.00000	46.00000	-0.013178	45.958	0.0	0.0	0.0
39.00000	40.00000	46.00000	-0.011119	45.958	0.0	0.0	0.0
40.00000	40.00000	46.00000	-0.0092563	45.958	0.0	0.0	0.0
41.00000	40.00000	46.00000	-0.0075749	45.958	0.0	0.0	0.0 !
42.00000	40.00000	46.00000	-0.0060604	45.958	0.0	0.0	0.0 !
43.00000	40.00000	46.00000	-0.0046990	45.958	0.0	0.0	0.0 !
44.00000	40.00000	46.00000	-0.0034780	45.958	0.0	0.0	0.0 !
45.00000	40.00000	46.00000	-0.0023853	45.958	0.0	0.0	0.0 !
46.00000	40.00000	46.00000	-0.0014097	45.958	0.0	0.0	0.0 !
47.00000	40.00000	46.00000	-540.70E-6	45.958	0.0	0.0	0.0 !
48.00000	40.00000	46.00000	231.21E-6	45.958	0.0	0.0	0.0 !
49.00000	40.00000	46.00000	914.98E-6	45.958	0.0	0.0	0.0 !
50.00000	40.00000	46.00000	0.0015188	45.958	0.0	0.0	0.0 !
-10.00000	41.00000	46.00000	-0.064213	45.958	0.0	0.0	0.0
-9.00000	41.00000	46.00000	-0.071526	45.958	0.0	0.0	0.0
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-7.00000	41.00000	46.00000	-0.087735	45.958	0.0	0.0	0.0
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-1.00000	41.00000	46.00000	-0.14514	45.958	0.0	0.0	0.0
0.00000	41.00000	46.00000	-0.15471	45.958	0.0	0.0	0.0
1.00000	41.00000	46.00000	-0.16376	45.958	0.0	0.0	0.0
2.00000	41.00000	46.00000	-0.17206	45.958	0.0	0.0	0.0
3.00000	41.00000	46.00000	-0.17935	45.958	0.0	0.0	0.0
4.00000	41.00000	46.00000	-0.18543	45.958	0.0	0.0	0.0
5.00000	41.00000	46.00000	-0.19011	45.958	0.0	0.0	0.0
6.00000	41.00000	46.00000	-0.19327	45.958	0.0	0.0	0.0

7.00000	41.00000	46.00000	-0.19482	45.958	0.0	0.0	0.0
8.00000	41.00000	46.00000	-0.19477	45.958	0.0	0.0	0.0
9.00000	41.00000	46.00000	-0.19316	45.958	0.0	0.0	0.0
10.00000	41.00000	46.00000	-0.19008	45.958	0.0	0.0	0.0
11.00000	41.00000	46.00000	-0.18568	45.958	0.0	0.0	0.0
12.00000	41.00000	46.00000	-0.18010	45.958	0.0	0.0	0.0
13.00000	41.00000	46.00000	-0.17353	45.958	0.0	0.0	0.0
14.00000	41.00000	46.00000	-0.16614	45.958	0.0	0.0	0.0
15.00000	41.00000	46.00000	-0.15812	45.958	0.0	0.0	0.0
16.00000	41.00000	46.00000	-0.14964	45.958	0.0	0.0	0.0
17.00000	41.00000	46.00000	-0.14086	45.958	0.0	0.0	0.0
18.00000	41.00000	46.00000	-0.13193	45.958	0.0	0.0	0.0
19.00000	41.00000	46.00000	-0.12297	45.958	0.0	0.0	0.0
20.00000	41.00000	46.00000	-0.11410	45.958	0.0	0.0	0.0
21.00000	41.00000	46.00000	-0.10543	45.958	0.0	0.0	0.0
22.00000	41.00000	46.00000	-0.097011	45.958	0.0	0.0	0.0
23.00000	41.00000	46.00000	-0.088922	45.958	0.0	0.0	0.0
24.00000	41.00000	46.00000	-0.081202	45.958	0.0	0.0	0.0
25.00000	41.00000	46.00000	-0.073884	45.958	0.0	0.0	0.0
26.00000	41.00000	46.00000	-0.066988	45.958	0.0	0.0	0.0
27.00000	41.00000	46.00000	-0.060523	45.958	0.0	0.0	0.0
28.00000	41.00000	46.00000	-0.054490	45.958	0.0	0.0	0.0
29.00000	41.00000	46.00000	-0.048883	45.958	0.0	0.0	0.0
30.00000	41.00000	46.00000	-0.043693	45.958	0.0	0.0	0.0
31.00000	41.00000	46.00000	-0.038905	45.958	0.0	0.0	0.0
32.00000	41.00000	46.00000	-0.034501	45.958	0.0	0.0	0.0
33.00000	41.00000	46.00000	-0.030463	45.958	0.0	0.0	0.0
34.00000	41.00000	46.00000	-0.026769	45.958	0.0	0.0	0.0
35.00000	41.00000	46.00000	-0.023399	45.958	0.0	0.0	0.0
36.00000	41.00000	46.00000	-0.020331	45.958	0.0	0.0	0.0
37.00000	41.00000	46.00000	-0.017545	45.958	0.0	0.0	0.0
38.00000	41.00000	46.00000	-0.015019	45.958	0.0	0.0	0.0
39.00000	41.00000	46.00000	-0.012735	45.958	0.0	0.0	0.0
40.00000	41.00000	46.00000	-0.010673	45.958	0.0	0.0	0.0
41.00000	41.00000	46.00000	-0.0088159	45.958	0.0	0.0	0.0 !
42.00000	41.00000	46.00000	-0.0071457	45.958	0.0	0.0	0.0 !
43.00000	41.00000	46.00000	-0.0056468	45.958	0.0	0.0	0.0 !
44.00000	41.00000	46.00000	-0.0043044	45.958	0.0	0.0	0.0 !
45.00000	41.00000	46.00000	-0.0031046	45.958	0.0	0.0	0.0 !
46.00000	41.00000	46.00000	-0.0020347	45.958	0.0	0.0	0.0 !
47.00000	41.00000	46.00000	-0.0010826	45.958	0.0	0.0	0.0 !
48.00000	41.00000	46.00000	-237.64E-6	45.958	0.0	0.0	0.0 !
49.00000	41.00000	46.00000	510.40E-6	45.958	0.0	0.0	0.0 !
50.00000	41.00000	46.00000	0.0011707	45.958	0.0	0.0	0.0 !
-10.00000	42.00000	46.00000	-0.072374	45.958	0.0	0.0	0.0
-9.00000	42.00000	46.00000	-0.080834	45.958	0.0	0.0	0.0
-8.00000	42.00000	46.00000	-0.089970	45.958	0.0	0.0	0.0
-7.00000	42.00000	46.00000	-0.099775	45.958	0.0	0.0	0.0
-6.00000	42.00000	46.00000	-0.11022	45.958	0.0	0.0	0.0
-5.00000	42.00000	46.00000	-0.12126	45.958	0.0	0.0	0.0
-4.00000	42.00000	46.00000	-0.13280	45.958	0.0	0.0	0.0
-3.00000	42.00000	46.00000	-0.14472	45.958	0.0	0.0	0.0
-2.00000	42.00000	46.00000	-0.15684	45.958	0.0	0.0	0.0
-1.00000	42.00000	46.00000	-0.16895	45.958	0.0	0.0	0.0

0.00000	42.00000	46.00000	-0.18078	45.958	0.0	0.0	0.0
1.00000	42.00000	46.00000	-0.19204	45.958	0.0	0.0	0.0
2.00000	42.00000	46.00000	-0.20239	45.958	0.0	0.0	0.0
3.00000	42.00000	46.00000	-0.21152	45.958	0.0	0.0	0.0
4.00000	42.00000	46.00000	-0.21912	45.958	0.0	0.0	0.0
5.00000	42.00000	46.00000	-0.22494	45.958	0.0	0.0	0.0
6.00000	42.00000	46.00000	-0.22881	45.958	0.0	0.0	0.0
7.00000	42.00000	46.00000	-0.23063	45.958	0.0	0.0	0.0
8.00000	42.00000	46.00000	-0.23041	45.958	0.0	0.0	0.0
9.00000	42.00000	46.00000	-0.22822	45.958	0.0	0.0	0.0
10.00000	42.00000	46.00000	-0.22421	45.958	0.0	0.0	0.0
11.00000	42.00000	46.00000	-0.21856	45.958	0.0	0.0	0.0
12.00000	42.00000	46.00000	-0.21150	45.958	0.0	0.0	0.0
13.00000	42.00000	46.00000	-0.20327	45.958	0.0	0.0	0.0
14.00000	42.00000	46.00000	-0.19410	45.958	0.0	0.0	0.0
15.00000	42.00000	46.00000	-0.18421	45.958	0.0	0.0	0.0
16.00000	42.00000	46.00000	-0.17382	45.958	0.0	0.0	0.0
17.00000	42.00000	46.00000	-0.16314	45.958	0.0	0.0	0.0
18.00000	42.00000	46.00000	-0.15235	45.958	0.0	0.0	0.0
19.00000	42.00000	46.00000	-0.14159	45.958	0.0	0.0	0.0
20.00000	42.00000	46.00000	-0.13100	45.958	0.0	0.0	0.0
21.00000	42.00000	46.00000	-0.12070	45.958	0.0	0.0	0.0
22.00000	42.00000	46.00000	-0.11077	45.958	0.0	0.0	0.0
23.00000	42.00000	46.00000	-0.10127	45.958	0.0	0.0	0.0
24.00000	42.00000	46.00000	-0.092260	45.958	0.0	0.0	0.0
25.00000	42.00000	46.00000	-0.083759	45.958	0.0	0.0	0.0
26.00000	42.00000	46.00000	-0.075786	45.958	0.0	0.0	0.0
27.00000	42.00000	46.00000	-0.068347	45.958	0.0	0.0	0.0
28.00000	42.00000	46.00000	-0.061435	45.958	0.0	0.0	0.0
29.00000	42.00000	46.00000	-0.055039	45.958	0.0	0.0	0.0
30.00000	42.00000	46.00000	-0.049141	45.958	0.0	0.0	0.0
31.00000	42.00000	46.00000	-0.043720	45.958	0.0	0.0	0.0
32.00000	42.00000	46.00000	-0.038751	45.958	0.0	0.0	0.0
33.00000	42.00000	46.00000	-0.034210	45.958	0.0	0.0	0.0
34.00000	42.00000	46.00000	-0.030069	45.958	0.0	0.0	0.0
35.00000	42.00000	46.00000	-0.026302	45.958	0.0	0.0	0.0
36.00000	42.00000	46.00000	-0.022883	45.958	0.0	0.0	0.0
37.00000	42.00000	46.00000	-0.019785	45.958	0.0	0.0	0.0
38.00000	42.00000	46.00000	-0.016985	45.958	0.0	0.0	0.0
39.00000	42.00000	46.00000	-0.014457	45.958	0.0	0.0	0.0
40.00000	42.00000	46.00000	-0.012180	45.958	0.0	0.0	0.0
41.00000	42.00000	46.00000	-0.010133	45.958	0.0	0.0	0.0 !
42.00000	42.00000	46.00000	-0.0082959	45.958	0.0	0.0	0.0 !
43.00000	42.00000	46.00000	-0.0066498	45.958	0.0	0.0	0.0 !
44.00000	42.00000	46.00000	-0.0051779	45.958	0.0	0.0	0.0 !
45.00000	42.00000	46.00000	-0.0038641	45.958	0.0	0.0	0.0 !
46.00000	42.00000	46.00000	-0.0026939	45.958	0.0	0.0	0.0 !
47.00000	42.00000	46.00000	-0.0016538	45.958	0.0	0.0	0.0 !
48.00000	42.00000	46.00000	-731.51E-6	45.958	0.0	0.0	0.0 !
49.00000	42.00000	46.00000	84.397E-6	45.958	0.0	0.0	0.0 !
50.00000	42.00000	46.00000	804.23E-6	45.958	0.0	0.0	0.0 !
-10.00000	43.00000	46.00000	-0.081279	45.958	0.0	0.0	0.0
-9.00000	43.00000	46.00000	-0.091050	45.958	0.0	0.0	0.0
-8.00000	43.00000	46.00000	-0.10167	45.958	0.0	0.0	0.0



-7.00000	43.00000	46.00000	-0.11316	45.958	0.0	0.0	0.0
-6.00000	43.00000	46.00000	-0.12550	45.958	0.0	0.0	0.0
-5.00000	43.00000	46.00000	-0.13865	45.958	0.0	0.0	0.0
-4.00000	43.00000	46.00000	-0.15252	45.958	0.0	0.0	0.0
-3.00000	43.00000	46.00000	-0.16697	45.958	0.0	0.0	0.0
-2.00000	43.00000	46.00000	-0.18180	45.958	0.0	0.0	0.0
-1.00000	43.00000	46.00000	-0.19676	45.958	0.0	0.0	0.0
0.00000	43.00000	46.00000	-0.21149	45.958	0.0	0.0	0.0
1.00000	43.00000	46.00000	-0.22561	45.958	0.0	0.0	0.0
2.00000	43.00000	46.00000	-0.23866	45.958	0.0	0.0	0.0
3.00000	43.00000	46.00000	-0.25019	45.958	0.0	0.0	0.0
4.00000	43.00000	46.00000	-0.25978	45.958	0.0	0.0	0.0
5.00000	43.00000	46.00000	-0.26708	45.958	0.0	0.0	0.0
6.00000	43.00000	46.00000	-0.27184	45.958	0.0	0.0	0.0
7.00000	43.00000	46.00000	-0.27395	45.958	0.0	0.0	0.0
8.00000	43.00000	46.00000	-0.27343	45.958	0.0	0.0	0.0
9.00000	43.00000	46.00000	-0.27040	45.958	0.0	0.0	0.0
10.00000	43.00000	46.00000	-0.26510	45.958	0.0	0.0	0.0
11.00000	43.00000	46.00000	-0.25779	45.958	0.0	0.0	0.0
12.00000	43.00000	46.00000	-0.24879	45.958	0.0	0.0	0.0
13.00000	43.00000	46.00000	-0.23840	45.958	0.0	0.0	0.0
14.00000	43.00000	46.00000	-0.22694	45.958	0.0	0.0	0.0
15.00000	43.00000	46.00000	-0.21469	45.958	0.0	0.0	0.0
16.00000	43.00000	46.00000	-0.20193	45.958	0.0	0.0	0.0
17.00000	43.00000	46.00000	-0.18890	45.958	0.0	0.0	0.0
18.00000	43.00000	46.00000	-0.17581	45.958	0.0	0.0	0.0
19.00000	43.00000	46.00000	-0.16287	45.958	0.0	0.0	0.0
20.00000	43.00000	46.00000	-0.15021	45.958	0.0	0.0	0.0
21.00000	43.00000	46.00000	-0.13797	45.958	0.0	0.0	0.0
22.00000	43.00000	46.00000	-0.12624	45.958	0.0	0.0	0.0
23.00000	43.00000	46.00000	-0.11509	45.958	0.0	0.0	0.0
24.00000	43.00000	46.00000	-0.10457	45.958	0.0	0.0	0.0
25.00000	43.00000	46.00000	-0.094701	45.958	0.0	0.0	0.0
26.00000	43.00000	46.00000	-0.085493	45.958	0.0	0.0	0.0
27.00000	43.00000	46.00000	-0.076943	45.958	0.0	0.0	0.0
28.00000	43.00000	46.00000	-0.069036	45.958	0.0	0.0	0.0
29.00000	43.00000	46.00000	-0.061750	45.958	0.0	0.0	0.0
30.00000	43.00000	46.00000	-0.055060	45.958	0.0	0.0	0.0
31.00000	43.00000	46.00000	-0.048934	45.958	0.0	0.0	0.0
32.00000	43.00000	46.00000	-0.043340	45.958	0.0	0.0	0.0
33.00000	43.00000	46.00000	-0.038244	45.958	0.0	0.0	0.0
34.00000	43.00000	46.00000	-0.033612	45.958	0.0	0.0	0.0
35.00000	43.00000	46.00000	-0.029411	45.958	0.0	0.0	0.0
36.00000	43.00000	46.00000	-0.025609	45.958	0.0	0.0	0.0
37.00000	43.00000	46.00000	-0.022173	45.958	0.0	0.0	0.0
38.00000	43.00000	46.00000	-0.019074	45.958	0.0	0.0	0.0
39.00000	43.00000	46.00000	-0.016284	45.958	0.0	0.0	0.0
40.00000	43.00000	46.00000	-0.013776	45.958	0.0	0.0	0.0
41.00000	43.00000	46.00000	-0.011526	45.958	0.0	0.0	0.0 !
42.00000	43.00000	46.00000	-0.0095102	45.958	0.0	0.0	0.0 !
43.00000	43.00000	46.00000	-0.0077072	45.958	0.0	0.0	0.0 !
44.00000	43.00000	46.00000	-0.0060974	45.958	0.0	0.0	0.0 !
45.00000	43.00000	46.00000	-0.0046627	45.958	0.0	0.0	0.0 !
46.00000	43.00000	46.00000	-0.0033864	45.958	0.0	0.0	0.0 !

47.00000	43.00000	46.00000	-0.0022533	45.958	0.0	0.0	0.0	!
48.00000	43.00000	46.00000	-0.0012495	45.958	0.0	0.0	0.0	!
49.00000	43.00000	46.00000	-362.14E-6	45.958	0.0	0.0	0.0	!
50.00000	43.00000	46.00000	420.20E-6	45.958	0.0	0.0	0.0	!
-10.00000	44.00000	46.00000	-0.090946	45.958	0.0	0.0	0.0	
-9.00000	44.00000	46.00000	-0.10221	45.958	0.0	0.0	0.0	
-8.00000	44.00000	46.00000	-0.11454	45.958	0.0	0.0	0.0	
-7.00000	44.00000	46.00000	-0.12799	45.958	0.0	0.0	0.0	
-6.00000	44.00000	46.00000	-0.14255	45.958	0.0	0.0	0.0	
-5.00000	44.00000	46.00000	-0.15822	45.958	0.0	0.0	0.0	
-4.00000	44.00000	46.00000	-0.17491	45.958	0.0	0.0	0.0	
-3.00000	44.00000	46.00000	-0.19250	45.958	0.0	0.0	0.0	
-2.00000	44.00000	46.00000	-0.21074	45.958	0.0	0.0	0.0	
-1.00000	44.00000	46.00000	-0.22933	45.958	0.0	0.0	0.0	
0.00000	44.00000	46.00000	-0.24783	45.958	0.0	0.0	0.0	
1.00000	44.00000	46.00000	-0.26570	45.958	0.0	0.0	0.0	
2.00000	44.00000	46.00000	-0.28234	45.958	0.0	0.0	0.0	
3.00000	44.00000	46.00000	-0.29709	45.958	0.0	0.0	0.0	
4.00000	44.00000	46.00000	-0.30933	45.958	0.0	0.0	0.0	
5.00000	44.00000	46.00000	-0.31856	45.958	0.0	0.0	0.0	
6.00000	44.00000	46.00000	-0.32444	45.958	0.0	0.0	0.0	
7.00000	44.00000	46.00000	-0.32683	45.958	0.0	0.0	0.0	
8.00000	44.00000	46.00000	-0.32578	45.958	0.0	0.0	0.0	
9.00000	44.00000	46.00000	-0.32153	45.958	0.0	0.0	0.0	
10.00000	44.00000	46.00000	-0.31441	45.958	0.0	0.0	0.0	
11.00000	44.00000	46.00000	-0.30484	45.958	0.0	0.0	0.0	
12.00000	44.00000	46.00000	-0.29325	45.958	0.0	0.0	0.0	
13.00000	44.00000	46.00000	-0.28005	45.958	0.0	0.0	0.0	
14.00000	44.00000	46.00000	-0.26564	45.958	0.0	0.0	0.0	
15.00000	44.00000	46.00000	-0.25040	45.958	0.0	0.0	0.0	
16.00000	44.00000	46.00000	-0.23465	45.958	0.0	0.0	0.0	
17.00000	44.00000	46.00000	-0.21870	45.958	0.0	0.0	0.0	
18.00000	44.00000	46.00000	-0.20280	45.958	0.0	0.0	0.0	
19.00000	44.00000	46.00000	-0.18718	45.958	0.0	0.0	0.0	
20.00000	44.00000	46.00000	-0.17202	45.958	0.0	0.0	0.0	
21.00000	44.00000	46.00000	-0.15746	45.958	0.0	0.0	0.0	
22.00000	44.00000	46.00000	-0.14360	45.958	0.0	0.0	0.0	
23.00000	44.00000	46.00000	-0.13052	45.958	0.0	0.0	0.0	
24.00000	44.00000	46.00000	-0.11824	45.958	0.0	0.0	0.0	
25.00000	44.00000	46.00000	-0.10679	45.958	0.0	0.0	0.0	
26.00000	44.00000	46.00000	-0.096171	45.958	0.0	0.0	0.0	
27.00000	44.00000	46.00000	-0.086358	45.958	0.0	0.0	0.0	
28.00000	44.00000	46.00000	-0.077326	45.958	0.0	0.0	0.0	
29.00000	44.00000	46.00000	-0.069043	45.958	0.0	0.0	0.0	
30.00000	44.00000	46.00000	-0.061468	45.958	0.0	0.0	0.0	
31.00000	44.00000	46.00000	-0.054560	45.958	0.0	0.0	0.0	
32.00000	44.00000	46.00000	-0.048275	45.958	0.0	0.0	0.0	
33.00000	44.00000	46.00000	-0.042569	45.958	0.0	0.0	0.0	
34.00000	44.00000	46.00000	-0.037401	45.958	0.0	0.0	0.0	
35.00000	44.00000	46.00000	-0.032727	45.958	0.0	0.0	0.0	
36.00000	44.00000	46.00000	-0.028508	45.958	0.0	0.0	0.0	
37.00000	44.00000	46.00000	-0.024707	45.958	0.0	0.0	0.0	
38.00000	44.00000	46.00000	-0.021287	45.958	0.0	0.0	0.0	
39.00000	44.00000	46.00000	-0.018215	45.958	0.0	0.0	0.0	

40.00000	44.00000	46.00000	-0.015460	45.958	0.0	0.0	0.0
41.00000	44.00000	46.00000	-0.012993	45.958	0.0	0.0	0.0 !
42.00000	44.00000	46.00000	-0.010787	45.958	0.0	0.0	0.0 !
43.00000	44.00000	46.00000	-0.0088170	45.958	0.0	0.0	0.0 !
44.00000	44.00000	46.00000	-0.0070613	45.958	0.0	0.0	0.0 !
45.00000	44.00000	46.00000	-0.0054988	45.958	0.0	0.0	0.0 !
46.00000	44.00000	46.00000	-0.0041106	45.958	0.0	0.0	0.0 !
47.00000	44.00000	46.00000	-0.0028797	45.958	0.0	0.0	0.0 !
48.00000	44.00000	46.00000	-0.0017902	45.958	0.0	0.0	0.0 !
49.00000	44.00000	46.00000	-828.07E-6	45.958	0.0	0.0	0.0 !
50.00000	44.00000	46.00000	19.664E-6	45.958	0.0	0.0	0.0 !
-10.00000	45.00000	46.00000	-0.10138	45.958	0.0	0.0	0.0
-9.00000	45.00000	46.00000	-0.11432	45.958	0.0	0.0	0.0
-8.00000	45.00000	46.00000	-0.12861	45.958	0.0	0.0	0.0
-7.00000	45.00000	46.00000	-0.14431	45.958	0.0	0.0	0.0
-6.00000	45.00000	46.00000	-0.16150	45.958	0.0	0.0	0.0
-5.00000	45.00000	46.00000	-0.18017	45.958	0.0	0.0	0.0
-4.00000	45.00000	46.00000	-0.20029	45.958	0.0	0.0	0.0
-3.00000	45.00000	46.00000	-0.22174	45.958	0.0	0.0	0.0
-2.00000	45.00000	46.00000	-0.24429	45.958	0.0	0.0	0.0
-1.00000	45.00000	46.00000	-0.26756	45.958	0.0	0.0	0.0
0.00000	45.00000	46.00000	-0.29100	45.958	0.0	0.0	0.0
1.00000	45.00000	46.00000	-0.31391	45.958	0.0	0.0	0.0
2.00000	45.00000	46.00000	-0.33541	45.958	0.0	0.0	0.0
3.00000	45.00000	46.00000	-0.35454	45.958	0.0	0.0	0.0
4.00000	45.00000	46.00000	-0.37040	45.958	0.0	0.0	0.0
5.00000	45.00000	46.00000	-0.38222	45.958	0.0	0.0	0.0
6.00000	45.00000	46.00000	-0.38950	45.958	0.0	0.0	0.0
7.00000	45.00000	46.00000	-0.39209	45.958	0.0	0.0	0.0
8.00000	45.00000	46.00000	-0.39012	45.958	0.0	0.0	0.0
9.00000	45.00000	46.00000	-0.38400	45.958	0.0	0.0	0.0
10.00000	45.00000	46.00000	-0.37429	45.958	0.0	0.0	0.0
11.00000	45.00000	46.00000	-0.36160	45.958	0.0	0.0	0.0
12.00000	45.00000	46.00000	-0.34652	45.958	0.0	0.0	0.0
13.00000	45.00000	46.00000	-0.32962	45.958	0.0	0.0	0.0
14.00000	45.00000	46.00000	-0.31141	45.958	0.0	0.0	0.0
15.00000	45.00000	46.00000	-0.29234	45.958	0.0	0.0	0.0
16.00000	45.00000	46.00000	-0.27282	45.958	0.0	0.0	0.0
17.00000	45.00000	46.00000	-0.25321	45.958	0.0	0.0	0.0
18.00000	45.00000	46.00000	-0.23384	45.958	0.0	0.0	0.0
19.00000	45.00000	46.00000	-0.21496	45.958	0.0	0.0	0.0
20.00000	45.00000	46.00000	-0.19677	45.958	0.0	0.0	0.0
21.00000	45.00000	46.00000	-0.17944	45.958	0.0	0.0	0.0
22.00000	45.00000	46.00000	-0.16306	45.958	0.0	0.0	0.0
23.00000	45.00000	46.00000	-0.14769	45.958	0.0	0.0	0.0
24.00000	45.00000	46.00000	-0.13338	45.958	0.0	0.0	0.0
25.00000	45.00000	46.00000	-0.12011	45.958	0.0	0.0	0.0
26.00000	45.00000	46.00000	-0.10788	45.958	0.0	0.0	0.0
27.00000	45.00000	46.00000	-0.096633	45.958	0.0	0.0	0.0
28.00000	45.00000	46.00000	-0.086337	45.958	0.0	0.0	0.0
29.00000	45.00000	46.00000	-0.076937	45.958	0.0	0.0	0.0
30.00000	45.00000	46.00000	-0.068380	45.958	0.0	0.0	0.0
31.00000	45.00000	46.00000	-0.060607	45.958	0.0	0.0	0.0
32.00000	45.00000	46.00000	-0.053562	45.958	0.0	0.0	0.0

33.00000	45.00000	46.00000	-0.047190	45.958	0.0	0.0	0.0
34.00000	45.00000	46.00000	-0.041436	45.958	0.0	0.0	0.0
35.00000	45.00000	46.00000	-0.036249	45.958	0.0	0.0	0.0
36.00000	45.00000	46.00000	-0.031581	45.958	0.0	0.0	0.0
37.00000	45.00000	46.00000	-0.027386	45.958	0.0	0.0	0.0
38.00000	45.00000	46.00000	-0.023621	45.958	0.0	0.0	0.0
39.00000	45.00000	46.00000	-0.020248	45.958	0.0	0.0	0.0
40.00000	45.00000	46.00000	-0.017229	45.958	0.0	0.0	0.0
41.00000	45.00000	46.00000	-0.014531	45.958	0.0	0.0	0.0 !
42.00000	45.00000	46.00000	-0.012123	45.958	0.0	0.0	0.0 !
43.00000	45.00000	46.00000	-0.0099770	45.958	0.0	0.0	0.0 !
44.00000	45.00000	46.00000	-0.0080673	45.958	0.0	0.0	0.0 !
45.00000	45.00000	46.00000	-0.0063703	45.958	0.0	0.0	0.0 !
46.00000	45.00000	46.00000	-0.0048647	45.958	0.0	0.0	0.0 !
47.00000	45.00000	46.00000	-0.0035312	45.958	0.0	0.0	0.0 !
48.00000	45.00000	46.00000	-0.0023522	45.958	0.0	0.0	0.0 !
49.00000	45.00000	46.00000	-0.0013120	45.958	0.0	0.0	0.0 !
50.00000	45.00000	46.00000	-396.13E-6	45.958	0.0	0.0	0.0 !
-10.00000	46.00000	46.00000	-0.11256	45.958	0.0	0.0	0.0
-9.00000	46.00000	46.00000	-0.12738	45.958	0.0	0.0	0.0
-8.00000	46.00000	46.00000	-0.14388	45.958	0.0	0.0	0.0
-7.00000	46.00000	46.00000	-0.16219	45.958	0.0	0.0	0.0
-6.00000	46.00000	46.00000	-0.18242	45.958	0.0	0.0	0.0
-5.00000	46.00000	46.00000	-0.20466	45.958	0.0	0.0	0.0
-4.00000	46.00000	46.00000	-0.22893	45.958	0.0	0.0	0.0
-3.00000	46.00000	46.00000	-0.25517	45.958	0.0	0.0	0.0
-2.00000	46.00000	46.00000	-0.28317	45.958	0.0	0.0	0.0
-1.00000	46.00000	46.00000	-0.31252	45.958	0.0	0.0	0.0
0.00000	46.00000	46.00000	-0.34256	45.958	0.0	0.0	0.0
1.00000	46.00000	46.00000	-0.37233	45.958	0.0	0.0	0.0
2.00000	46.00000	46.00000	-0.40058	45.958	0.0	0.0	0.0
3.00000	46.00000	46.00000	-0.42587	45.958	0.0	0.0	0.0
4.00000	46.00000	46.00000	-0.44678	45.958	0.0	0.0	0.0
5.00000	46.00000	46.00000	-0.46213	45.958	0.0	0.0	0.0
6.00000	46.00000	46.00000	-0.47117	45.958	0.0	0.0	0.0
7.00000	46.00000	46.00000	-0.47372	45.958	0.0	0.0	0.0
8.00000	46.00000	46.00000	-0.47013	45.958	0.0	0.0	0.0
9.00000	46.00000	46.00000	-0.46112	45.958	0.0	0.0	0.0
10.00000	46.00000	46.00000	-0.44760	45.958	0.0	0.0	0.0
11.00000	46.00000	46.00000	-0.43052	45.958	0.0	0.0	0.0
12.00000	46.00000	46.00000	-0.41070	45.958	0.0	0.0	0.0
13.00000	46.00000	46.00000	-0.38890	45.958	0.0	0.0	0.0
14.00000	46.00000	46.00000	-0.36572	45.958	0.0	0.0	0.0
15.00000	46.00000	46.00000	-0.34174	45.958	0.0	0.0	0.0
16.00000	46.00000	46.00000	-0.31743	45.958	0.0	0.0	0.0
17.00000	46.00000	46.00000	-0.29325	45.958	0.0	0.0	0.0
18.00000	46.00000	46.00000	-0.26956	45.958	0.0	0.0	0.0
19.00000	46.00000	46.00000	-0.24668	45.958	0.0	0.0	0.0
20.00000	46.00000	46.00000	-0.22482	45.958	0.0	0.0	0.0
21.00000	46.00000	46.00000	-0.20416	45.958	0.0	0.0	0.0
22.00000	46.00000	46.00000	-0.18479	45.958	0.0	0.0	0.0
23.00000	46.00000	46.00000	-0.16677	45.958	0.0	0.0	0.0
24.00000	46.00000	46.00000	-0.15009	45.958	0.0	0.0	0.0
25.00000	46.00000	46.00000	-0.13474	45.958	0.0	0.0	0.0

26.00000	46.00000	46.00000	-0.12066	45.958	0.0	0.0	0.0
27.00000	46.00000	46.00000	-0.10780	45.958	0.0	0.0	0.0
28.00000	46.00000	46.00000	-0.096090	45.958	0.0	0.0	0.0
29.00000	46.00000	46.00000	-0.085449	45.958	0.0	0.0	0.0
30.00000	46.00000	46.00000	-0.075804	45.958	0.0	0.0	0.0
31.00000	46.00000	46.00000	-0.067079	45.958	0.0	0.0	0.0
32.00000	46.00000	46.00000	-0.059203	45.958	0.0	0.0	0.0
33.00000	46.00000	46.00000	-0.052104	45.958	0.0	0.0	0.0
34.00000	46.00000	46.00000	-0.045715	45.958	0.0	0.0	0.0
35.00000	46.00000	46.00000	-0.039974	45.958	0.0	0.0	0.0
36.00000	46.00000	46.00000	-0.034822	45.958	0.0	0.0	0.0
37.00000	46.00000	46.00000	-0.030205	45.958	0.0	0.0	0.0
38.00000	46.00000	46.00000	-0.026072	45.958	0.0	0.0	0.0
39.00000	46.00000	46.00000	-0.022377	45.958	0.0	0.0	0.0
40.00000	46.00000	46.00000	-0.019078	45.958	0.0	0.0	0.0
41.00000	46.00000	46.00000	-0.016136	45.958	0.0	0.0	0.0 !
42.00000	46.00000	46.00000	-0.013515	45.958	0.0	0.0	0.0 !
43.00000	46.00000	46.00000	-0.011184	45.958	0.0	0.0	0.0 !
44.00000	46.00000	46.00000	-0.0091124	45.958	0.0	0.0	0.0 !
45.00000	46.00000	46.00000	-0.0072745	45.958	0.0	0.0	0.0 !
46.00000	46.00000	46.00000	-0.0056461	45.958	0.0	0.0	0.0 !
47.00000	46.00000	46.00000	-0.0042057	45.958	0.0	0.0	0.0 !
48.00000	46.00000	46.00000	-0.0029336	45.958	0.0	0.0	0.0 !
49.00000	46.00000	46.00000	-0.0018122	45.958	0.0	0.0	0.0 !
50.00000	46.00000	46.00000	-825.67E-6	45.958	0.0	0.0	0.0 !
-10.00000	47.00000	46.00000	-0.12445	45.958	0.0	0.0	0.0
-9.00000	47.00000	46.00000	-0.14136	45.958	0.0	0.0	0.0
-8.00000	47.00000	46.00000	-0.16034	45.958	0.0	0.0	0.0
-7.00000	47.00000	46.00000	-0.18161	45.958	0.0	0.0	0.0
-6.00000	47.00000	46.00000	-0.20536	45.958	0.0	0.0	0.0
-5.00000	47.00000	46.00000	-0.23181	45.958	0.0	0.0	0.0
-4.00000	47.00000	46.00000	-0.26108	45.958	0.0	0.0	0.0
-3.00000	47.00000	46.00000	-0.29323	45.958	0.0	0.0	0.0
-2.00000	47.00000	46.00000	-0.32816	45.958	0.0	0.0	0.0
-1.00000	47.00000	46.00000	-0.36548	45.958	0.0	0.0	0.0
0.00000	47.00000	46.00000	-0.40445	45.958	0.0	0.0	0.0
1.00000	47.00000	46.00000	-0.44379	45.958	0.0	0.0	0.0
2.00000	47.00000	46.00000	-0.48169	45.958	0.0	0.0	0.0
3.00000	47.00000	46.00000	-0.51592	45.958	0.0	0.0	0.0
4.00000	47.00000	46.00000	-0.54414	45.958	0.0	0.0	0.0
5.00000	47.00000	46.00000	-0.56444	45.958	0.0	0.0	0.0
6.00000	47.00000	46.00000	-0.57565	45.958	0.0	0.0	0.0
7.00000	47.00000	46.00000	-0.57761	45.958	0.0	0.0	0.0
8.00000	47.00000	46.00000	-0.57107	45.958	0.0	0.0	0.0
9.00000	47.00000	46.00000	-0.55741	45.958	0.0	0.0	0.0
10.00000	47.00000	46.00000	-0.53818	45.958	0.0	0.0	0.0
11.00000	47.00000	46.00000	-0.51483	45.958	0.0	0.0	0.0
12.00000	47.00000	46.00000	-0.48851	45.958	0.0	0.0	0.0
13.00000	47.00000	46.00000	-0.46015	45.958	0.0	0.0	0.0
14.00000	47.00000	46.00000	-0.43048	45.958	0.0	0.0	0.0
15.00000	47.00000	46.00000	-0.40014	45.958	0.0	0.0	0.0
16.00000	47.00000	46.00000	-0.36973	45.958	0.0	0.0	0.0
17.00000	47.00000	46.00000	-0.33977	45.958	0.0	0.0	0.0
18.00000	47.00000	46.00000	-0.31070	45.958	0.0	0.0	0.0

19.00000	47.00000	46.00000	-0.28288	45.958	0.0	0.0	0.0
20.00000	47.00000	46.00000	-0.25657	45.958	0.0	0.0	0.0
21.00000	47.00000	46.00000	-0.23192	45.958	0.0	0.0	0.0
22.00000	47.00000	46.00000	-0.20902	45.958	0.0	0.0	0.0
23.00000	47.00000	46.00000	-0.18788	45.958	0.0	0.0	0.0
24.00000	47.00000	46.00000	-0.16847	45.958	0.0	0.0	0.0
25.00000	47.00000	46.00000	-0.15073	45.958	0.0	0.0	0.0
26.00000	47.00000	46.00000	-0.13457	45.958	0.0	0.0	0.0
27.00000	47.00000	46.00000	-0.11990	45.958	0.0	0.0	0.0
28.00000	47.00000	46.00000	-0.10660	45.958	0.0	0.0	0.0
29.00000	47.00000	46.00000	-0.094585	45.958	0.0	0.0	0.0
30.00000	47.00000	46.00000	-0.083742	45.958	0.0	0.0	0.0
31.00000	47.00000	46.00000	-0.073976	45.958	0.0	0.0	0.0
32.00000	47.00000	46.00000	-0.065194	45.958	0.0	0.0	0.0
33.00000	47.00000	46.00000	-0.057306	45.958	0.0	0.0	0.0
34.00000	47.00000	46.00000	-0.050232	45.958	0.0	0.0	0.0
35.00000	47.00000	46.00000	-0.043895	45.958	0.0	0.0	0.0
36.00000	47.00000	46.00000	-0.038225	45.958	0.0	0.0	0.0
37.00000	47.00000	46.00000	-0.033158	45.958	0.0	0.0	0.0
38.00000	47.00000	46.00000	-0.028633	45.958	0.0	0.0	0.0
39.00000	47.00000	46.00000	-0.024598	45.958	0.0	0.0	0.0
40.00000	47.00000	46.00000	-0.021003	45.958	0.0	0.0	0.0
41.00000	47.00000	46.00000	-0.017804	45.958	0.0	0.0	0.0 !
42.00000	47.00000	46.00000	-0.014959	45.958	0.0	0.0	0.0 !
43.00000	47.00000	46.00000	-0.012434	45.958	0.0	0.0	0.0 !
44.00000	47.00000	46.00000	-0.010193	45.958	0.0	0.0	0.0 !
45.00000	47.00000	46.00000	-0.0082083	45.958	0.0	0.0	0.0 !
46.00000	47.00000	46.00000	-0.0064521	45.958	0.0	0.0	0.0 !
47.00000	47.00000	46.00000	-0.0049006	45.958	0.0	0.0	0.0 !
48.00000	47.00000	46.00000	-0.0035320	45.958	0.0	0.0	0.0 !
49.00000	47.00000	46.00000	-0.0023267	45.958	0.0	0.0	0.0 !
50.00000	47.00000	46.00000	-0.0012672	45.958	0.0	0.0	0.0 !
-10.00000	48.00000	46.00000	-0.13698	45.958	0.0	0.0	0.0
-9.00000	48.00000	46.00000	-0.15618	45.958	0.0	0.0	0.0
-8.00000	48.00000	46.00000	-0.17792	45.958	0.0	0.0	0.0
-7.00000	48.00000	46.00000	-0.20251	45.958	0.0	0.0	0.0
-6.00000	48.00000	46.00000	-0.23030	45.958	0.0	0.0	0.0
-5.00000	48.00000	46.00000	-0.26165	45.958	0.0	0.0	0.0
-4.00000	48.00000	46.00000	-0.29689	45.958	0.0	0.0	0.0
-3.00000	48.00000	46.00000	-0.33630	45.958	0.0	0.0	0.0
-2.00000	48.00000	46.00000	-0.38001	45.958	0.0	0.0	0.0
-1.00000	48.00000	46.00000	-0.42784	45.958	0.0	0.0	0.0
0.00000	48.00000	46.00000	-0.47906	45.958	0.0	0.0	0.0
1.00000	48.00000	46.00000	-0.53209	45.958	0.0	0.0	0.0
2.00000	48.00000	46.00000	-0.58428	45.958	0.0	0.0	0.0
3.00000	48.00000	46.00000	-0.63200	45.958	0.0	0.0	0.0
4.00000	48.00000	46.00000	-0.67127	45.958	0.0	0.0	0.0
5.00000	48.00000	46.00000	-0.69874	45.958	0.0	0.0	0.0
6.00000	48.00000	46.00000	-0.71255	45.958	0.0	0.0	0.0
7.00000	48.00000	46.00000	-0.71264	45.958	0.0	0.0	0.0
8.00000	48.00000	46.00000	-0.70067	45.958	0.0	0.0	0.0
9.00000	48.00000	46.00000	-0.67928	45.958	0.0	0.0	0.0
10.00000	48.00000	46.00000	-0.65124	45.958	0.0	0.0	0.0
11.00000	48.00000	46.00000	-0.61880	45.958	0.0	0.0	0.0

12.00000	48.00000	46.00000	-0.58349	45.958	0.0	0.0	0.0
13.00000	48.00000	46.00000	-0.54633	45.958	0.0	0.0	0.0
14.00000	48.00000	46.00000	-0.50811	45.958	0.0	0.0	0.0
15.00000	48.00000	46.00000	-0.46953	45.958	0.0	0.0	0.0
16.00000	48.00000	46.00000	-0.43125	45.958	0.0	0.0	0.0
17.00000	48.00000	46.00000	-0.39393	45.958	0.0	0.0	0.0
18.00000	48.00000	46.00000	-0.35810	45.958	0.0	0.0	0.0
19.00000	48.00000	46.00000	-0.32418	45.958	0.0	0.0	0.0
20.00000	48.00000	46.00000	-0.29243	45.958	0.0	0.0	0.0
21.00000	48.00000	46.00000	-0.26300	45.958	0.0	0.0	0.0
22.00000	48.00000	46.00000	-0.23592	45.958	0.0	0.0	0.0
23.00000	48.00000	46.00000	-0.21116	45.958	0.0	0.0	0.0
24.00000	48.00000	46.00000	-0.18861	45.958	0.0	0.0	0.0
25.00000	48.00000	46.00000	-0.16815	45.958	0.0	0.0	0.0
26.00000	48.00000	46.00000	-0.14964	45.958	0.0	0.0	0.0
27.00000	48.00000	46.00000	-0.13293	45.958	0.0	0.0	0.0
28.00000	48.00000	46.00000	-0.11788	45.958	0.0	0.0	0.0
29.00000	48.00000	46.00000	-0.10435	45.958	0.0	0.0	0.0
30.00000	48.00000	46.00000	-0.092192	45.958	0.0	0.0	0.0
31.00000	48.00000	46.00000	-0.081290	45.958	0.0	0.0	0.0
32.00000	48.00000	46.00000	-0.071525	45.958	0.0	0.0	0.0
33.00000	48.00000	46.00000	-0.062788	45.958	0.0	0.0	0.0
34.00000	48.00000	46.00000	-0.054978	45.958	0.0	0.0	0.0
35.00000	48.00000	46.00000	-0.048004	45.958	0.0	0.0	0.0
36.00000	48.00000	46.00000	-0.041782	45.958	0.0	0.0	0.0
37.00000	48.00000	46.00000	-0.036236	45.958	0.0	0.0	0.0
38.00000	48.00000	46.00000	-0.031297	45.958	0.0	0.0	0.0
39.00000	48.00000	46.00000	-0.026903	45.958	0.0	0.0	0.0
40.00000	48.00000	46.00000	-0.022997	45.958	0.0	0.0	0.0
41.00000	48.00000	46.00000	-0.019528	45.958	0.0	0.0	0.0 !
42.00000	48.00000	46.00000	-0.016450	45.958	0.0	0.0	0.0 !
43.00000	48.00000	46.00000	-0.013721	45.958	0.0	0.0	0.0 !
44.00000	48.00000	46.00000	-0.011305	45.958	0.0	0.0	0.0 !
45.00000	48.00000	46.00000	-0.0091677	45.958	0.0	0.0	0.0 !
46.00000	48.00000	46.00000	-0.0072793	45.958	0.0	0.0	0.0 !
47.00000	48.00000	46.00000	-0.0056130	45.958	0.0	0.0	0.0 !
48.00000	48.00000	46.00000	-0.0041448	45.958	0.0	0.0	0.0 !
49.00000	48.00000	46.00000	-0.0028531	45.958	0.0	0.0	0.0 !
50.00000	48.00000	46.00000	-0.0017188	45.958	0.0	0.0	0.0 !
-10.00000	49.00000	46.00000	-0.15006	45.958	0.0	0.0	0.0
-9.00000	49.00000	46.00000	-0.17173	45.958	0.0	0.0	0.0
-8.00000	49.00000	46.00000	-0.19648	45.958	0.0	0.0	0.0
-7.00000	49.00000	46.00000	-0.22476	45.958	0.0	0.0	0.0
-6.00000	49.00000	46.00000	-0.25709	45.958	0.0	0.0	0.0
-5.00000	49.00000	46.00000	-0.29407	45.958	0.0	0.0	0.0
-4.00000	49.00000	46.00000	-0.33634	45.958	0.0	0.0	0.0
-3.00000	49.00000	46.00000	-0.38457	45.958	0.0	0.0	0.0
-2.00000	49.00000	46.00000	-0.43936	45.958	0.0	0.0	0.0
-1.00000	49.00000	46.00000	-0.50103	45.958	0.0	0.0	0.0
0.00000	49.00000	46.00000	-0.56925	45.958	0.0	0.0	0.0
1.00000	49.00000	46.00000	-0.64233	45.958	0.0	0.0	0.0
2.00000	49.00000	46.00000	-0.71646	45.958	0.0	0.0	0.0
3.00000	49.00000	46.00000	-0.78551	45.958	0.0	0.0	0.0
4.00000	49.00000	46.00000	-0.84226	45.958	0.0	0.0	0.0

5.00000	49.00000	46.00000	-0.88060	45.958	0.0	0.0	0.0
6.00000	49.00000	46.00000	-0.89732	45.958	0.0	0.0	0.0
7.00000	49.00000	46.00000	-0.89276	45.958	0.0	0.0	0.0
8.00000	49.00000	46.00000	-0.87045	45.958	0.0	0.0	0.0
9.00000	49.00000	46.00000	-0.83580	45.958	0.0	0.0	0.0
10.00000	49.00000	46.00000	-0.79390	45.958	0.0	0.0	0.0
11.00000	49.00000	46.00000	-0.74817	45.958	0.0	0.0	0.0
12.00000	49.00000	46.00000	-0.70040	45.958	0.0	0.0	0.0
13.00000	49.00000	46.00000	-0.65144	45.958	0.0	0.0	0.0
14.00000	49.00000	46.00000	-0.60190	45.958	0.0	0.0	0.0
15.00000	49.00000	46.00000	-0.55247	45.958	0.0	0.0	0.0
16.00000	49.00000	46.00000	-0.50395	45.958	0.0	0.0	0.0
17.00000	49.00000	46.00000	-0.45715	45.958	0.0	0.0	0.0
18.00000	49.00000	46.00000	-0.41275	45.958	0.0	0.0	0.0
19.00000	49.00000	46.00000	-0.37123	45.958	0.0	0.0	0.0
20.00000	49.00000	46.00000	-0.33284	45.958	0.0	0.0	0.0
21.00000	49.00000	46.00000	-0.29768	45.958	0.0	0.0	0.0
22.00000	49.00000	46.00000	-0.26568	45.958	0.0	0.0	0.0
23.00000	49.00000	46.00000	-0.23670	45.958	0.0	0.0	0.0
24.00000	49.00000	46.00000	-0.21055	45.958	0.0	0.0	0.0
25.00000	49.00000	46.00000	-0.18701	45.958	0.0	0.0	0.0
26.00000	49.00000	46.00000	-0.16587	45.958	0.0	0.0	0.0
27.00000	49.00000	46.00000	-0.14691	45.958	0.0	0.0	0.0
28.00000	49.00000	46.00000	-0.12992	45.958	0.0	0.0	0.0
29.00000	49.00000	46.00000	-0.11472	45.958	0.0	0.0	0.0
30.00000	49.00000	46.00000	-0.10114	45.958	0.0	0.0	0.0
31.00000	49.00000	46.00000	-0.089007	45.958	0.0	0.0	0.0
32.00000	49.00000	46.00000	-0.078184	45.958	0.0	0.0	0.0
33.00000	49.00000	46.00000	-0.068534	45.958	0.0	0.0	0.0
34.00000	49.00000	46.00000	-0.059938	45.958	0.0	0.0	0.0
35.00000	49.00000	46.00000	-0.052286	45.958	0.0	0.0	0.0
36.00000	49.00000	46.00000	-0.045479	45.958	0.0	0.0	0.0
37.00000	49.00000	46.00000	-0.039428	45.958	0.0	0.0	0.0
38.00000	49.00000	46.00000	-0.034054	45.958	0.0	0.0	0.0
39.00000	49.00000	46.00000	-0.029283	45.958	0.0	0.0	0.0
40.00000	49.00000	46.00000	-0.025052	45.958	0.0	0.0	0.0
41.00000	49.00000	46.00000	-0.021301	45.958	0.0	0.0	0.0 !
42.00000	49.00000	46.00000	-0.017980	45.958	0.0	0.0	0.0 !
43.00000	49.00000	46.00000	-0.015041	45.958	0.0	0.0	0.0 !
44.00000	49.00000	46.00000	-0.012443	45.958	0.0	0.0	0.0 !
45.00000	49.00000	46.00000	-0.010148	45.958	0.0	0.0	0.0 !
46.00000	49.00000	46.00000	-0.0081237	45.958	0.0	0.0	0.0 !
47.00000	49.00000	46.00000	-0.0063395	45.958	0.0	0.0	0.0 !
48.00000	49.00000	46.00000	-0.0047692	45.958	0.0	0.0	0.0 !
49.00000	49.00000	46.00000	-0.0033890	45.958	0.0	0.0	0.0 !
50.00000	49.00000	46.00000	-0.0021780	45.958	0.0	0.0	0.0 !
-10.00000	50.00000	46.00000	-0.16355	45.958	0.0	0.0	0.0
-9.00000	50.00000	46.00000	-0.18786	45.958	0.0	0.0	0.0
-8.00000	50.00000	46.00000	-0.21585	45.958	0.0	0.0	0.0
-7.00000	50.00000	46.00000	-0.24814	45.958	0.0	0.0	0.0
-6.00000	50.00000	46.00000	-0.28549	45.958	0.0	0.0	0.0
-5.00000	50.00000	46.00000	-0.32882	45.958	0.0	0.0	0.0
-4.00000	50.00000	46.00000	-0.37920	45.958	0.0	0.0	0.0
-3.00000	50.00000	46.00000	-0.43792	45.958	0.0	0.0	0.0



-2.00000	50.00000	46.00000	-0.50643	45.958	0.0	0.0	0.0
-1.00000	50.00000	46.00000	-0.58615	45.958	0.0	0.0	0.0
0.00000	50.00000	46.00000	-0.67796	45.958	0.0	0.0	0.0
1.00000	50.00000	46.00000	-0.78092	45.958	0.0	0.0	0.0
2.00000	50.00000	46.00000	-0.89009	45.958	0.0	0.0	0.0
3.00000	50.00000	46.00000	-0.99477	45.958	0.0	0.0	0.0
4.00000	50.00000	46.00000	-1.0806	45.958	0.0	0.0	0.0
5.00000	50.00000	46.00000	-1.1361	45.958	0.0	0.0	0.0
6.00000	50.00000	46.00000	-1.1557	45.958	0.0	0.0	0.0
7.00000	50.00000	46.00000	-1.1405	45.958	0.0	0.0	0.0
8.00000	50.00000	46.00000	-1.0980	45.958	0.0	0.0	0.0
9.00000	50.00000	46.00000	-1.0398	45.958	0.0	0.0	0.0
10.00000	50.00000	46.00000	-0.97581	45.958	0.0	0.0	0.0
11.00000	50.00000	46.00000	-0.91075	45.958	0.0	0.0	0.0
12.00000	50.00000	46.00000	-0.84586	45.958	0.0	0.0	0.0
13.00000	50.00000	46.00000	-0.78109	45.958	0.0	0.0	0.0
14.00000	50.00000	46.00000	-0.71646	45.958	0.0	0.0	0.0
15.00000	50.00000	46.00000	-0.65256	45.958	0.0	0.0	0.0
16.00000	50.00000	46.00000	-0.59044	45.958	0.0	0.0	0.0
17.00000	50.00000	46.00000	-0.53121	45.958	0.0	0.0	0.0
18.00000	50.00000	46.00000	-0.47580	45.958	0.0	0.0	0.0
19.00000	50.00000	46.00000	-0.42474	45.958	0.0	0.0	0.0
20.00000	50.00000	46.00000	-0.37823	45.958	0.0	0.0	0.0
21.00000	50.00000	46.00000	-0.33620	45.958	0.0	0.0	0.0
22.00000	50.00000	46.00000	-0.29842	45.958	0.0	0.0	0.0
23.00000	50.00000	46.00000	-0.26458	45.958	0.0	0.0	0.0
24.00000	50.00000	46.00000	-0.23434	45.958	0.0	0.0	0.0
25.00000	50.00000	46.00000	-0.20734	45.958	0.0	0.0	0.0
26.00000	50.00000	46.00000	-0.18326	45.958	0.0	0.0	0.0
27.00000	50.00000	46.00000	-0.16181	45.958	0.0	0.0	0.0
28.00000	50.00000	46.00000	-0.14270	45.958	0.0	0.0	0.0
29.00000	50.00000	46.00000	-0.12569	45.958	0.0	0.0	0.0
30.00000	50.00000	46.00000	-0.11056	45.958	0.0	0.0	0.0
31.00000	50.00000	46.00000	-0.097105	45.958	0.0	0.0	0.0
32.00000	50.00000	46.00000	-0.085147	45.958	0.0	0.0	0.0
33.00000	50.00000	46.00000	-0.074524	45.958	0.0	0.0	0.0
34.00000	50.00000	46.00000	-0.065093	45.958	0.0	0.0	0.0
35.00000	50.00000	46.00000	-0.056724	45.958	0.0	0.0	0.0
36.00000	50.00000	46.00000	-0.049301	45.958	0.0	0.0	0.0
37.00000	50.00000	46.00000	-0.042720	45.958	0.0	0.0	0.0
38.00000	50.00000	46.00000	-0.036890	45.958	0.0	0.0	0.0
39.00000	50.00000	46.00000	-0.031726	45.958	0.0	0.0	0.0
40.00000	50.00000	46.00000	-0.027157	45.958	0.0	0.0	0.0
41.00000	50.00000	46.00000	-0.023115	45.958	0.0	0.0	0.0 !
42.00000	50.00000	46.00000	-0.019543	45.958	0.0	0.0	0.0 !
43.00000	50.00000	46.00000	-0.016387	45.958	0.0	0.0	0.0 !
44.00000	50.00000	46.00000	-0.013602	45.958	0.0	0.0	0.0 !
45.00000	50.00000	46.00000	-0.011145	45.958	0.0	0.0	0.0 !
46.00000	50.00000	46.00000	-0.0089811	45.958	0.0	0.0	0.0 !
47.00000	50.00000	46.00000	-0.0070763	45.958	0.0	0.0	0.0 !
48.00000	50.00000	46.00000	-0.0054017	45.958	0.0	0.0	0.0 !
49.00000	50.00000	46.00000	-0.0039315	45.958	0.0	0.0	0.0 !
50.00000	50.00000	46.00000	-0.0026426	45.958	0.0	0.0	0.0 !
-10.00000	51.00000	46.00000	-0.17731	45.958	0.0	0.0	0.0

-9.00000	51.00000	46.00000	-0.20436	45.958	0.0	0.0	0.0
-8.00000	51.00000	46.00000	-0.23576	45.958	0.0	0.0	0.0
-7.00000	51.00000	46.00000	-0.27233	45.958	0.0	0.0	0.0
-6.00000	51.00000	46.00000	-0.31510	45.958	0.0	0.0	0.0
-5.00000	51.00000	46.00000	-0.36540	45.958	0.0	0.0	0.0
-4.00000	51.00000	46.00000	-0.42488	45.958	0.0	0.0	0.0
-3.00000	51.00000	46.00000	-0.49573	45.958	0.0	0.0	0.0
-2.00000	51.00000	46.00000	-0.58071	45.958	0.0	0.0	0.0
-1.00000	51.00000	46.00000	-0.68327	45.958	0.0	0.0	0.0
0.00000	51.00000	46.00000	-0.80713	45.958	0.0	0.0	0.0
1.00000	51.00000	46.00000	-0.95492	45.958	0.0	0.0	0.0
2.00000	51.00000	46.00000	-1.1253	45.958	0.0	0.0	0.0
3.00000	51.00000	46.00000	-1.3004	45.958	0.0	0.0	0.0
4.00000	51.00000	46.00000	-1.4406	45.958	0.0	0.0	0.0
5.00000	51.00000	46.00000	-1.5243	45.958	0.0	0.0	0.0
6.00000	51.00000	46.00000	-1.5460	45.958	0.0	0.0	0.0
7.00000	51.00000	46.00000	-1.5053	45.958	0.0	0.0	0.0
8.00000	51.00000	46.00000	-1.4148	45.958	0.0	0.0	0.0
9.00000	51.00000	46.00000	-1.3095	45.958	0.0	0.0	0.0
10.00000	51.00000	46.00000	-1.2099	45.958	0.0	0.0	0.0
11.00000	51.00000	46.00000	-1.1176	45.958	0.0	0.0	0.0
12.00000	51.00000	46.00000	-1.0298	45.958	0.0	0.0	0.0
13.00000	51.00000	46.00000	-0.94391	45.958	0.0	0.0	0.0
14.00000	51.00000	46.00000	-0.85883	45.958	0.0	0.0	0.0
15.00000	51.00000	46.00000	-0.77506	45.958	0.0	0.0	0.0
16.00000	51.00000	46.00000	-0.69429	45.958	0.0	0.0	0.0
17.00000	51.00000	46.00000	-0.61836	45.958	0.0	0.0	0.0
18.00000	51.00000	46.00000	-0.54855	45.958	0.0	0.0	0.0
19.00000	51.00000	46.00000	-0.48543	45.958	0.0	0.0	0.0
20.00000	51.00000	46.00000	-0.42896	45.958	0.0	0.0	0.0
21.00000	51.00000	46.00000	-0.37874	45.958	0.0	0.0	0.0
22.00000	51.00000	46.00000	-0.33423	45.958	0.0	0.0	0.0
23.00000	51.00000	46.00000	-0.29483	45.958	0.0	0.0	0.0
24.00000	51.00000	46.00000	-0.25996	45.958	0.0	0.0	0.0
25.00000	51.00000	46.00000	-0.22910	45.958	0.0	0.0	0.0
26.00000	51.00000	46.00000	-0.20179	45.958	0.0	0.0	0.0
27.00000	51.00000	46.00000	-0.17760	45.958	0.0	0.0	0.0
28.00000	51.00000	46.00000	-0.15619	45.958	0.0	0.0	0.0
29.00000	51.00000	46.00000	-0.13722	45.958	0.0	0.0	0.0
30.00000	51.00000	46.00000	-0.12042	45.958	0.0	0.0	0.0
31.00000	51.00000	46.00000	-0.10555	45.958	0.0	0.0	0.0
32.00000	51.00000	46.00000	-0.092386	45.958	0.0	0.0	0.0
33.00000	51.00000	46.00000	-0.080733	45.958	0.0	0.0	0.0
34.00000	51.00000	46.00000	-0.070420	45.958	0.0	0.0	0.0
35.00000	51.00000	46.00000	-0.061297	45.958	0.0	0.0	0.0
36.00000	51.00000	46.00000	-0.053229	45.958	0.0	0.0	0.0
37.00000	51.00000	46.00000	-0.046095	45.958	0.0	0.0	0.0
38.00000	51.00000	46.00000	-0.039791	45.958	0.0	0.0	0.0
39.00000	51.00000	46.00000	-0.034221	45.958	0.0	0.0	0.0
40.00000	51.00000	46.00000	-0.029301	45.958	0.0	0.0	0.0
41.00000	51.00000	46.00000	-0.024959	45.958	0.0	0.0	0.0 !
42.00000	51.00000	46.00000	-0.021128	45.958	0.0	0.0	0.0 !
43.00000	51.00000	46.00000	-0.017750	45.958	0.0	0.0	0.0 !
44.00000	51.00000	46.00000	-0.014774	45.958	0.0	0.0	0.0 !

45.00000	51.00000	46.00000	-0.012153	45.958	0.0	0.0	0.0	!
46.00000	51.00000	46.00000	-0.0098464	45.958	0.0	0.0	0.0	!
47.00000	51.00000	46.00000	-0.0078191	45.958	0.0	0.0	0.0	!
48.00000	51.00000	46.00000	-0.0060388	45.958	0.0	0.0	0.0	!
49.00000	51.00000	46.00000	-0.0044774	45.958	0.0	0.0	0.0	!
50.00000	51.00000	46.00000	-0.0031098	45.958	0.0	0.0	0.0	!
-10.00000	52.00000	46.00000	-0.19114	45.958	0.0	0.0	0.0	
-9.00000	52.00000	46.00000	-0.22101	45.958	0.0	0.0	0.0	
-8.00000	52.00000	46.00000	-0.25592	45.958	0.0	0.0	0.0	
-7.00000	52.00000	46.00000	-0.29693	45.958	0.0	0.0	0.0	
-6.00000	52.00000	46.00000	-0.34539	45.958	0.0	0.0	0.0	
-5.00000	52.00000	46.00000	-0.40309	45.958	0.0	0.0	0.0	
-4.00000	52.00000	46.00000	-0.47243	45.958	0.0	0.0	0.0	
-3.00000	52.00000	46.00000	-0.55672	45.958	0.0	0.0	0.0	
-2.00000	52.00000	46.00000	-0.66058	45.958	0.0	0.0	0.0	
-1.00000	52.00000	46.00000	-0.79053	45.958	0.0	0.0	0.0	
0.00000	52.00000	46.00000	-0.95553	45.958	0.0	0.0	0.0	
1.00000	52.00000	46.00000	-1.1708	45.958	0.0	0.0	0.0	
2.00000	52.00000	46.00000	-1.5017	45.958	0.0	0.0	0.0	
3.00000	52.00000	46.00000	-2.0043	45.958	0.0	0.0	0.0	
4.00000	52.00000	46.00000	-2.3044	45.958	0.0	0.0	0.0	
5.00000	52.00000	46.00000	-2.4375	45.958	0.0	0.0	0.0	
6.00000	52.00000	46.00000	-2.4585	45.958	0.0	0.0	0.0	
7.00000	52.00000	46.00000	-2.3287	45.958	0.0	0.0	0.0	
8.00000	52.00000	46.00000	-1.9522	45.958	0.0	0.0	0.0	
9.00000	52.00000	46.00000	-1.6728	45.958	0.0	0.0	0.0	
10.00000	52.00000	46.00000	-1.5139	45.958	0.0	0.0	0.0	
11.00000	52.00000	46.00000	-1.3855	45.958	0.0	0.0	0.0	
12.00000	52.00000	46.00000	-1.2683	45.958	0.0	0.0	0.0	
13.00000	52.00000	46.00000	-1.1544	45.958	0.0	0.0	0.0	
14.00000	52.00000	46.00000	-1.0407	45.958	0.0	0.0	0.0	
15.00000	52.00000	46.00000	-0.92828	45.958	0.0	0.0	0.0	
16.00000	52.00000	46.00000	-0.82067	45.958	0.0	0.0	0.0	
17.00000	52.00000	46.00000	-0.72141	45.958	0.0	0.0	0.0	
18.00000	52.00000	46.00000	-0.63241	45.958	0.0	0.0	0.0	
19.00000	52.00000	46.00000	-0.55393	45.958	0.0	0.0	0.0	
20.00000	52.00000	46.00000	-0.48528	45.958	0.0	0.0	0.0	
21.00000	52.00000	46.00000	-0.42538	45.958	0.0	0.0	0.0	
22.00000	52.00000	46.00000	-0.37310	45.958	0.0	0.0	0.0	
23.00000	52.00000	46.00000	-0.32741	45.958	0.0	0.0	0.0	
24.00000	52.00000	46.00000	-0.28738	45.958	0.0	0.0	0.0	
25.00000	52.00000	46.00000	-0.25226	45.958	0.0	0.0	0.0	
26.00000	52.00000	46.00000	-0.22140	45.958	0.0	0.0	0.0	
27.00000	52.00000	46.00000	-0.19425	45.958	0.0	0.0	0.0	
28.00000	52.00000	46.00000	-0.17033	45.958	0.0	0.0	0.0	
29.00000	52.00000	46.00000	-0.14926	45.958	0.0	0.0	0.0	
30.00000	52.00000	46.00000	-0.13069	45.958	0.0	0.0	0.0	
31.00000	52.00000	46.00000	-0.11431	45.958	0.0	0.0	0.0	
32.00000	52.00000	46.00000	-0.099867	45.958	0.0	0.0	0.0	
33.00000	52.00000	46.00000	-0.087127	45.958	0.0	0.0	0.0	
34.00000	52.00000	46.00000	-0.075891	45.958	0.0	0.0	0.0	
35.00000	52.00000	46.00000	-0.065980	45.958	0.0	0.0	0.0	
36.00000	52.00000	46.00000	-0.057241	45.958	0.0	0.0	0.0	
37.00000	52.00000	46.00000	-0.049534	45.958	0.0	0.0	0.0	

38.00000	52.00000	46.00000	-0.042739	45.958	0.0	0.0	0.0
39.00000	52.00000	46.00000	-0.036750	45.958	0.0	0.0	0.0
40.00000	52.00000	46.00000	-0.031472	45.958	0.0	0.0	0.0
41.00000	52.00000	46.00000	-0.026823	45.958	0.0	0.0	0.0 !
42.00000	52.00000	46.00000	-0.022728	45.958	0.0	0.0	0.0 !
43.00000	52.00000	46.00000	-0.019124	45.958	0.0	0.0	0.0 !
44.00000	52.00000	46.00000	-0.015953	45.958	0.0	0.0	0.0 !
45.00000	52.00000	46.00000	-0.013164	45.958	0.0	0.0	0.0 !
46.00000	52.00000	46.00000	-0.010714	45.958	0.0	0.0	0.0 !
47.00000	52.00000	46.00000	-0.0085633	45.958	0.0	0.0	0.0 !
48.00000	52.00000	46.00000	-0.0066765	45.958	0.0	0.0	0.0 !
49.00000	52.00000	46.00000	-0.0050233	45.958	0.0	0.0	0.0 !
50.00000	52.00000	46.00000	-0.0035766	45.958	0.0	0.0	0.0 !
-10.00000	53.00000	46.00000	-0.20484	45.958	0.0	0.0	0.0
-9.00000	53.00000	46.00000	-0.23752	45.958	0.0	0.0	0.0
-8.00000	53.00000	46.00000	-0.27596	45.958	0.0	0.0	0.0
-7.00000	53.00000	46.00000	-0.32145	45.958	0.0	0.0	0.0
-6.00000	53.00000	46.00000	-0.37568	45.958	0.0	0.0	0.0
-5.00000	53.00000	46.00000	-0.44098	45.958	0.0	0.0	0.0
-4.00000	53.00000	46.00000	-0.52054	45.958	0.0	0.0	0.0
-3.00000	53.00000	46.00000	-0.61897	45.958	0.0	0.0	0.0
-2.00000	53.00000	46.00000	-0.74313	45.958	0.0	0.0	0.0
-1.00000	53.00000	46.00000	-0.90343	45.958	0.0	0.0	0.0
0.00000	53.00000	46.00000	-1.1162	45.958	0.0	0.0	0.0
1.00000	53.00000	46.00000	-1.4217	45.958	0.0	0.0	0.0
2.00000	53.00000	46.00000	-2.1873	45.958	0.0	0.0	0.0
3.00000	53.00000	46.00000	-4.3277	45.958	0.0	0.0	0.0
4.00000	53.00000	46.00000	-5.0967	45.958	0.0	0.0	0.0
5.00000	53.00000	46.00000	-5.3065	45.958	0.0	0.0	0.0
6.00000	53.00000	46.00000	-5.3284	45.958	0.0	0.0	0.0
7.00000	53.00000	46.00000	-4.9522	45.958	0.0	0.0	0.0
8.00000	53.00000	46.00000	-3.0608	45.958	0.0	0.0	0.0
9.00000	53.00000	46.00000	-2.1568	45.958	0.0	0.0	0.0
10.00000	53.00000	46.00000	-1.9129	45.958	0.0	0.0	0.0
11.00000	53.00000	46.00000	-1.7430	45.958	0.0	0.0	0.0
12.00000	53.00000	46.00000	-1.5900	45.958	0.0	0.0	0.0
13.00000	53.00000	46.00000	-1.4384	45.958	0.0	0.0	0.0
14.00000	53.00000	46.00000	-1.2825	45.958	0.0	0.0	0.0
15.00000	53.00000	46.00000	-1.1257	45.958	0.0	0.0	0.0
16.00000	53.00000	46.00000	-0.97698	45.958	0.0	0.0	0.0
17.00000	53.00000	46.00000	-0.84377	45.958	0.0	0.0	0.0
18.00000	53.00000	46.00000	-0.72865	45.958	0.0	0.0	0.0
19.00000	53.00000	46.00000	-0.63060	45.958	0.0	0.0	0.0
20.00000	53.00000	46.00000	-0.54721	45.958	0.0	0.0	0.0
21.00000	53.00000	46.00000	-0.47604	45.958	0.0	0.0	0.0
22.00000	53.00000	46.00000	-0.41494	45.958	0.0	0.0	0.0
23.00000	53.00000	46.00000	-0.36222	45.958	0.0	0.0	0.0
24.00000	53.00000	46.00000	-0.31651	45.958	0.0	0.0	0.0
25.00000	53.00000	46.00000	-0.27674	45.958	0.0	0.0	0.0
26.00000	53.00000	46.00000	-0.24203	45.958	0.0	0.0	0.0
27.00000	53.00000	46.00000	-0.21167	45.958	0.0	0.0	0.0
28.00000	53.00000	46.00000	-0.18508	45.958	0.0	0.0	0.0
29.00000	53.00000	46.00000	-0.16176	45.958	0.0	0.0	0.0
30.00000	53.00000	46.00000	-0.14130	45.958	0.0	0.0	0.0

31.00000	53.00000	46.00000	-0.12333	45.958	0.0	0.0	0.0	
32.00000	53.00000	46.00000	-0.10754	45.958	0.0	0.0	0.0	
33.00000	53.00000	46.00000	-0.093668	45.958	0.0	0.0	0.0	
34.00000	53.00000	46.00000	-0.081470	45.958	0.0	0.0	0.0	
35.00000	53.00000	46.00000	-0.070743	45.958	0.0	0.0	0.0	
36.00000	53.00000	46.00000	-0.061310	45.958	0.0	0.0	0.0	
37.00000	53.00000	46.00000	-0.053013	45.958	0.0	0.0	0.0	
38.00000	53.00000	46.00000	-0.045716	45.958	0.0	0.0	0.0	
39.00000	53.00000	46.00000	-0.039299	45.958	0.0	0.0	0.0	
40.00000	53.00000	46.00000	-0.033655	45.958	0.0	0.0	0.0	
41.00000	53.00000	46.00000	-0.028693	45.958	0.0	0.0	0.0	!
42.00000	53.00000	46.00000	-0.024331	45.958	0.0	0.0	0.0	!
43.00000	53.00000	46.00000	-0.020498	45.958	0.0	0.0	0.0	!
44.00000	53.00000	46.00000	-0.017130	45.958	0.0	0.0	0.0	!
45.00000	53.00000	46.00000	-0.014174	45.958	0.0	0.0	0.0	!
46.00000	53.00000	46.00000	-0.011579	45.958	0.0	0.0	0.0	!
47.00000	53.00000	46.00000	-0.0093040	45.958	0.0	0.0	0.0	!
48.00000	53.00000	46.00000	-0.0073106	45.958	0.0	0.0	0.0	!
49.00000	53.00000	46.00000	-0.0055657	45.958	0.0	0.0	0.0	!
50.00000	53.00000	46.00000	-0.0040401	45.958	0.0	0.0	0.0	!
-10.00000	54.00000	46.00000	-0.21820	45.958	0.0	0.0	0.0	
-9.00000	54.00000	46.00000	-0.25363	45.958	0.0	0.0	0.0	
-8.00000	54.00000	46.00000	-0.29551	45.958	0.0	0.0	0.0	
-7.00000	54.00000	46.00000	-0.34537	45.958	0.0	0.0	0.0	
-6.00000	54.00000	46.00000	-0.40526	45.958	0.0	0.0	0.0	
-5.00000	54.00000	46.00000	-0.47800	45.958	0.0	0.0	0.0	
-4.00000	54.00000	46.00000	-0.56762	45.958	0.0	0.0	0.0	
-3.00000	54.00000	46.00000	-0.68007	45.958	0.0	0.0	0.0	
-2.00000	54.00000	46.00000	-0.82453	45.958	0.0	0.0	0.0	
-1.00000	54.00000	46.00000	-1.0155	45.958	0.0	0.0	0.0	
0.00000	54.00000	46.00000	-1.2769	45.958	0.0	0.0	0.0	
1.00000	54.00000	46.00000	-1.6687	45.958	0.0	0.0	0.0	
2.00000	54.00000	46.00000	-2.6901	45.958	0.0	0.0	0.0	
3.00000	54.00000	46.00000	-5.4872	45.958	0.0	0.0	0.0	
4.00000	54.00000	46.00000	-6.5284	45.958	0.0	0.0	0.0	
5.00000	54.00000	46.00000	-6.8222	45.958	0.0	0.0	0.0	
6.00000	54.00000	46.00000	-6.8676	45.958	0.0	0.0	0.0	
7.00000	54.00000	46.00000	-6.3776	45.958	0.0	0.0	0.0	
8.00000	54.00000	46.00000	-3.9330	45.958	0.0	0.0	0.0	
9.00000	54.00000	46.00000	-2.7509	45.958	0.0	0.0	0.0	
10.00000	54.00000	46.00000	-2.4452	45.958	0.0	0.0	0.0	
11.00000	54.00000	46.00000	-2.2353	45.958	0.0	0.0	0.0	
12.00000	54.00000	46.00000	-2.0402	45.958	0.0	0.0	0.0	
13.00000	54.00000	46.00000	-1.8376	45.958	0.0	0.0	0.0	
14.00000	54.00000	46.00000	-1.6171	45.958	0.0	0.0	0.0	
15.00000	54.00000	46.00000	-1.3876	45.958	0.0	0.0	0.0	
16.00000	54.00000	46.00000	-1.1725	45.958	0.0	0.0	0.0	
17.00000	54.00000	46.00000	-0.98855	45.958	0.0	0.0	0.0	
18.00000	54.00000	46.00000	-0.83785	45.958	0.0	0.0	0.0	
19.00000	54.00000	46.00000	-0.71522	45.958	0.0	0.0	0.0	
20.00000	54.00000	46.00000	-0.61443	45.958	0.0	0.0	0.0	
21.00000	54.00000	46.00000	-0.53043	45.958	0.0	0.0	0.0	
22.00000	54.00000	46.00000	-0.45956	45.958	0.0	0.0	0.0	
23.00000	54.00000	46.00000	-0.39914	45.958	0.0	0.0	0.0	

24.00000	54.00000	46.00000	-0.34725	45.958	0.0	0.0	0.0
25.00000	54.00000	46.00000	-0.30244	45.958	0.0	0.0	0.0
26.00000	54.00000	46.00000	-0.26358	45.958	0.0	0.0	0.0
27.00000	54.00000	46.00000	-0.22979	45.958	0.0	0.0	0.0
28.00000	54.00000	46.00000	-0.20035	45.958	0.0	0.0	0.0
29.00000	54.00000	46.00000	-0.17465	45.958	0.0	0.0	0.0
30.00000	54.00000	46.00000	-0.15220	45.958	0.0	0.0	0.0
31.00000	54.00000	46.00000	-0.13256	45.958	0.0	0.0	0.0
32.00000	54.00000	46.00000	-0.11537	45.958	0.0	0.0	0.0
33.00000	54.00000	46.00000	-0.10031	45.958	0.0	0.0	0.0
34.00000	54.00000	46.00000	-0.087118	45.958	0.0	0.0	0.0
35.00000	54.00000	46.00000	-0.075551	45.958	0.0	0.0	0.0
36.00000	54.00000	46.00000	-0.065407	45.958	0.0	0.0	0.0
37.00000	54.00000	46.00000	-0.056508	45.958	0.0	0.0	0.0
38.00000	54.00000	46.00000	-0.048699	45.958	0.0	0.0	0.0
39.00000	54.00000	46.00000	-0.041847	45.958	0.0	0.0	0.0
40.00000	54.00000	46.00000	-0.035833	45.958	0.0	0.0	0.0
41.00000	54.00000	46.00000	-0.030556	45.958	0.0	0.0	0.0 !
42.00000	54.00000	46.00000	-0.025925	45.958	0.0	0.0	0.0 !
43.00000	54.00000	46.00000	-0.021862	45.958	0.0	0.0	0.0 !
44.00000	54.00000	46.00000	-0.018298	45.958	0.0	0.0	0.0 !
45.00000	54.00000	46.00000	-0.015173	45.958	0.0	0.0	0.0 !
46.00000	54.00000	46.00000	-0.012435	45.958	0.0	0.0	0.0 !
47.00000	54.00000	46.00000	-0.010036	45.958	0.0	0.0	0.0 !
48.00000	54.00000	46.00000	-0.0079366	45.958	0.0	0.0	0.0 !
49.00000	54.00000	46.00000	-0.0061007	45.958	0.0	0.0	0.0 !
50.00000	54.00000	46.00000	-0.0044968	45.958	0.0	0.0	0.0 !
-10.00000	55.00000	46.00000	-0.23101	45.958	0.0	0.0	0.0
-9.00000	55.00000	46.00000	-0.26904	45.958	0.0	0.0	0.0
-8.00000	55.00000	46.00000	-0.31418	45.958	0.0	0.0	0.0
-7.00000	55.00000	46.00000	-0.36817	45.958	0.0	0.0	0.0
-6.00000	55.00000	46.00000	-0.43337	45.958	0.0	0.0	0.0
-5.00000	55.00000	46.00000	-0.51308	45.958	0.0	0.0	0.0
-4.00000	55.00000	46.00000	-0.61208	45.958	0.0	0.0	0.0
-3.00000	55.00000	46.00000	-0.73753	45.958	0.0	0.0	0.0
-2.00000	55.00000	46.00000	-0.90071	45.958	0.0	0.0	0.0
-1.00000	55.00000	46.00000	-1.1200	45.958	0.0	0.0	0.0
0.00000	55.00000	46.00000	-1.4261	45.958	0.0	0.0	0.0
1.00000	55.00000	46.00000	-1.8905	45.958	0.0	0.0	0.0
2.00000	55.00000	46.00000	-3.0283	45.958	0.0	0.0	0.0
3.00000	55.00000	46.00000	-5.9773	45.958	0.0	0.0	0.0
4.00000	55.00000	46.00000	-7.1449	45.958	0.0	0.0	0.0
5.00000	55.00000	46.00000	-7.5252	45.958	0.0	0.0	0.0
6.00000	55.00000	46.00000	-7.6273	45.958	0.0	0.0	0.0
7.00000	55.00000	46.00000	-7.1532	45.958	0.0	0.0	0.0
8.00000	55.00000	46.00000	-4.6793	45.958	0.0	0.0	0.0
9.00000	55.00000	46.00000	-3.4689	45.958	0.0	0.0	0.0
10.00000	55.00000	46.00000	-3.1443	45.958	0.0	0.0	0.0
11.00000	55.00000	46.00000	-2.9027	45.958	0.0	0.0	0.0
12.00000	55.00000	46.00000	-2.6595	45.958	0.0	0.0	0.0
13.00000	55.00000	46.00000	-2.3935	45.958	0.0	0.0	0.0
14.00000	55.00000	46.00000	-2.0800	45.958	0.0	0.0	0.0
15.00000	55.00000	46.00000	-1.7338	45.958	0.0	0.0	0.0
16.00000	55.00000	46.00000	-1.4136	45.958	0.0	0.0	0.0

17.00000	55.00000	46.00000	-1.1559	45.958	0.0	0.0	0.0
18.00000	55.00000	46.00000	-0.95870	45.958	0.0	0.0	0.0
19.00000	55.00000	46.00000	-0.80664	45.958	0.0	0.0	0.0
20.00000	55.00000	46.00000	-0.68618	45.958	0.0	0.0	0.0
21.00000	55.00000	46.00000	-0.58816	45.958	0.0	0.0	0.0
22.00000	55.00000	46.00000	-0.50671	45.958	0.0	0.0	0.0
23.00000	55.00000	46.00000	-0.43801	45.958	0.0	0.0	0.0
24.00000	55.00000	46.00000	-0.37948	45.958	0.0	0.0	0.0
25.00000	55.00000	46.00000	-0.32926	45.958	0.0	0.0	0.0
26.00000	55.00000	46.00000	-0.28596	45.958	0.0	0.0	0.0
27.00000	55.00000	46.00000	-0.24852	45.958	0.0	0.0	0.0
28.00000	55.00000	46.00000	-0.21605	45.958	0.0	0.0	0.0
29.00000	55.00000	46.00000	-0.18784	45.958	0.0	0.0	0.0
30.00000	55.00000	46.00000	-0.16330	45.958	0.0	0.0	0.0
31.00000	55.00000	46.00000	-0.14192	45.958	0.0	0.0	0.0
32.00000	55.00000	46.00000	-0.12328	45.958	0.0	0.0	0.0
33.00000	55.00000	46.00000	-0.10700	45.958	0.0	0.0	0.0
34.00000	55.00000	46.00000	-0.092791	45.958	0.0	0.0	0.0
35.00000	55.00000	46.00000	-0.080366	45.958	0.0	0.0	0.0
36.00000	55.00000	46.00000	-0.069498	45.958	0.0	0.0	0.0
37.00000	55.00000	46.00000	-0.059989	45.958	0.0	0.0	0.0
38.00000	55.00000	46.00000	-0.051664	45.958	0.0	0.0	0.0
39.00000	55.00000	46.00000	-0.044375	45.958	0.0	0.0	0.0
40.00000	55.00000	46.00000	-0.037990	45.958	0.0	0.0	0.0
41.00000	55.00000	46.00000	-0.032397	45.958	0.0	0.0	0.0 !
42.00000	55.00000	46.00000	-0.027498	45.958	0.0	0.0	0.0 !
43.00000	55.00000	46.00000	-0.023206	45.958	0.0	0.0	0.0 !
44.00000	55.00000	46.00000	-0.019447	45.958	0.0	0.0	0.0 !
45.00000	55.00000	46.00000	-0.016156	45.958	0.0	0.0	0.0 !
46.00000	55.00000	46.00000	-0.013274	45.958	0.0	0.0	0.0 !
47.00000	55.00000	46.00000	-0.010754	45.958	0.0	0.0	0.0 !
48.00000	55.00000	46.00000	-0.0085499	45.958	0.0	0.0	0.0 !
49.00000	55.00000	46.00000	-0.0066243	45.958	0.0	0.0	0.0 !
50.00000	55.00000	46.00000	-0.0049436	45.958	0.0	0.0	0.0 !
-10.00000	56.00000	46.00000	-0.24307	45.958	0.0	0.0	0.0
-9.00000	56.00000	46.00000	-0.28351	45.958	0.0	0.0	0.0
-8.00000	56.00000	46.00000	-0.33162	45.958	0.0	0.0	0.0
-7.00000	56.00000	46.00000	-0.38935	45.958	0.0	0.0	0.0
-6.00000	56.00000	46.00000	-0.45932	45.958	0.0	0.0	0.0
-5.00000	56.00000	46.00000	-0.54523	45.958	0.0	0.0	0.0
-4.00000	56.00000	46.00000	-0.65243	45.958	0.0	0.0	0.0
-3.00000	56.00000	46.00000	-0.78907	45.958	0.0	0.0	0.0
-2.00000	56.00000	46.00000	-0.96811	45.958	0.0	0.0	0.0
-1.00000	56.00000	46.00000	-1.2110	45.958	0.0	0.0	0.0
0.00000	56.00000	46.00000	-1.5543	45.958	0.0	0.0	0.0
1.00000	56.00000	46.00000	-2.0768	45.958	0.0	0.0	0.0
2.00000	56.00000	46.00000	-3.2810	45.958	0.0	0.0	0.0
3.00000	56.00000	46.00000	-6.2752	45.958	0.0	0.0	0.0
4.00000	56.00000	46.00000	-7.5126	45.958	0.0	0.0	0.0
5.00000	56.00000	46.00000	-7.9672	45.958	0.0	0.0	0.0
6.00000	56.00000	46.00000	-8.1417	45.958	0.0	0.0	0.0
7.00000	56.00000	46.00000	-7.7294	45.958	0.0	0.0	0.0
8.00000	56.00000	46.00000	-5.3404	45.958	0.0	0.0	0.0
9.00000	56.00000	46.00000	-4.1999	45.958	0.0	0.0	0.0

10.00000	56.00000	46.00000	-3.9214	45.958	0.0	0.0	0.0
11.00000	56.00000	46.00000	-3.6837	45.958	0.0	0.0	0.0
12.00000	56.00000	46.00000	-3.4028	45.958	0.0	0.0	0.0
13.00000	56.00000	46.00000	-3.0796	45.958	0.0	0.0	0.0
14.00000	56.00000	46.00000	-2.6587	45.958	0.0	0.0	0.0
15.00000	56.00000	46.00000	-2.1540	45.958	0.0	0.0	0.0
16.00000	56.00000	46.00000	-1.6901	45.958	0.0	0.0	0.0
17.00000	56.00000	46.00000	-1.3385	45.958	0.0	0.0	0.0
18.00000	56.00000	46.00000	-1.0868	45.958	0.0	0.0	0.0
19.00000	56.00000	46.00000	-0.90264	45.958	0.0	0.0	0.0
20.00000	56.00000	46.00000	-0.76148	45.958	0.0	0.0	0.0
21.00000	56.00000	46.00000	-0.64881	45.958	0.0	0.0	0.0
22.00000	56.00000	46.00000	-0.55625	45.958	0.0	0.0	0.0
23.00000	56.00000	46.00000	-0.47876	45.958	0.0	0.0	0.0
24.00000	56.00000	46.00000	-0.41312	45.958	0.0	0.0	0.0
25.00000	56.00000	46.00000	-0.35711	45.958	0.0	0.0	0.0
26.00000	56.00000	46.00000	-0.30908	45.958	0.0	0.0	0.0
27.00000	56.00000	46.00000	-0.26774	45.958	0.0	0.0	0.0
28.00000	56.00000	46.00000	-0.23207	45.958	0.0	0.0	0.0
29.00000	56.00000	46.00000	-0.20123	45.958	0.0	0.0	0.0
30.00000	56.00000	46.00000	-0.17452	45.958	0.0	0.0	0.0
31.00000	56.00000	46.00000	-0.15134	45.958	0.0	0.0	0.0
32.00000	56.00000	46.00000	-0.13120	45.958	0.0	0.0	0.0
33.00000	56.00000	46.00000	-0.11369	45.958	0.0	0.0	0.0
34.00000	56.00000	46.00000	-0.098437	45.958	0.0	0.0	0.0
35.00000	56.00000	46.00000	-0.085144	45.958	0.0	0.0	0.0
36.00000	56.00000	46.00000	-0.073548	45.958	0.0	0.0	0.0
37.00000	56.00000	46.00000	-0.063426	45.958	0.0	0.0	0.0
38.00000	56.00000	46.00000	-0.054585	45.958	0.0	0.0	0.0
39.00000	56.00000	46.00000	-0.046860	45.958	0.0	0.0	0.0
40.00000	56.00000	46.00000	-0.040107	45.958	0.0	0.0	0.0
41.00000	56.00000	46.00000	-0.034201	45.958	0.0	0.0	0.0 !
42.00000	56.00000	46.00000	-0.029037	45.958	0.0	0.0	0.0 !
43.00000	56.00000	46.00000	-0.024519	45.958	0.0	0.0	0.0 !
44.00000	56.00000	46.00000	-0.020568	45.958	0.0	0.0	0.0 !
45.00000	56.00000	46.00000	-0.017113	45.958	0.0	0.0	0.0 !
46.00000	56.00000	46.00000	-0.014092	45.958	0.0	0.0	0.0 !
47.00000	56.00000	46.00000	-0.011452	45.958	0.0	0.0	0.0 !
48.00000	56.00000	46.00000	-0.0091456	45.958	0.0	0.0	0.0 !
49.00000	56.00000	46.00000	-0.0071326	45.958	0.0	0.0	0.0 !
50.00000	56.00000	46.00000	-0.0053769	45.958	0.0	0.0	0.0 !
-10.00000	57.00000	46.00000	-0.25422	45.958	0.0	0.0	0.0
-9.00000	57.00000	46.00000	-0.29680	45.958	0.0	0.0	0.0
-8.00000	57.00000	46.00000	-0.34754	45.958	0.0	0.0	0.0
-7.00000	57.00000	46.00000	-0.40853	45.958	0.0	0.0	0.0
-6.00000	57.00000	46.00000	-0.48258	45.958	0.0	0.0	0.0
-5.00000	57.00000	46.00000	-0.57366	45.958	0.0	0.0	0.0
-4.00000	57.00000	46.00000	-0.68755	45.958	0.0	0.0	0.0
-3.00000	57.00000	46.00000	-0.83302	45.958	0.0	0.0	0.0
-2.00000	57.00000	46.00000	-1.0241	45.958	0.0	0.0	0.0
-1.00000	57.00000	46.00000	-1.2843	45.958	0.0	0.0	0.0
0.00000	57.00000	46.00000	-1.6539	45.958	0.0	0.0	0.0
1.00000	57.00000	46.00000	-2.2072	45.958	0.0	0.0	0.0
2.00000	57.00000	46.00000	-3.2445	45.958	0.0	0.0	0.0



3.00000	57.00000	46.00000	-5.3204	45.958	0.0	0.0	0.0
4.00000	57.00000	46.00000	-6.3617	45.958	0.0	0.0	0.0
5.00000	57.00000	46.00000	-6.8375	45.958	0.0	0.0	0.0
6.00000	57.00000	46.00000	-7.0228	45.958	0.0	0.0	0.0
7.00000	57.00000	46.00000	-6.6994	45.958	0.0	0.0	0.0
8.00000	57.00000	46.00000	-5.2061	45.958	0.0	0.0	0.0
9.00000	57.00000	46.00000	-4.5162	45.958	0.0	0.0	0.0
10.00000	57.00000	46.00000	-4.4408	45.958	0.0	0.0	0.0
11.00000	57.00000	46.00000	-4.3490	45.958	0.0	0.0	0.0
12.00000	57.00000	46.00000	-4.1096	45.958	0.0	0.0	0.0
13.00000	57.00000	46.00000	-3.7647	45.958	0.0	0.0	0.0
14.00000	57.00000	46.00000	-3.2468	45.958	0.0	0.0	0.0
15.00000	57.00000	46.00000	-2.5780	45.958	0.0	0.0	0.0
16.00000	57.00000	46.00000	-1.9651	45.958	0.0	0.0	0.0
17.00000	57.00000	46.00000	-1.5192	45.958	0.0	0.0	0.0
18.00000	57.00000	46.00000	-1.2152	45.958	0.0	0.0	0.0
19.00000	57.00000	46.00000	-1.0006	45.958	0.0	0.0	0.0
20.00000	57.00000	46.00000	-0.83961	45.958	0.0	0.0	0.0
21.00000	57.00000	46.00000	-0.71236	45.958	0.0	0.0	0.0
22.00000	57.00000	46.00000	-0.60829	45.958	0.0	0.0	0.0
23.00000	57.00000	46.00000	-0.52145	45.958	0.0	0.0	0.0
24.00000	57.00000	46.00000	-0.44818	45.958	0.0	0.0	0.0
25.00000	57.00000	46.00000	-0.38593	45.958	0.0	0.0	0.0
26.00000	57.00000	46.00000	-0.33282	45.958	0.0	0.0	0.0
27.00000	57.00000	46.00000	-0.28735	45.958	0.0	0.0	0.0
28.00000	57.00000	46.00000	-0.24831	45.958	0.0	0.0	0.0
29.00000	57.00000	46.00000	-0.21472	45.958	0.0	0.0	0.0
30.00000	57.00000	46.00000	-0.18576	45.958	0.0	0.0	0.0
31.00000	57.00000	46.00000	-0.16073	45.958	0.0	0.0	0.0
32.00000	57.00000	46.00000	-0.13907	45.958	0.0	0.0	0.0
33.00000	57.00000	46.00000	-0.12030	45.958	0.0	0.0	0.0
34.00000	57.00000	46.00000	-0.10400	45.958	0.0	0.0	0.0
35.00000	57.00000	46.00000	-0.089839	45.958	0.0	0.0	0.0
36.00000	57.00000	46.00000	-0.077517	45.958	0.0	0.0	0.0
37.00000	57.00000	46.00000	-0.066786	45.958	0.0	0.0	0.0
38.00000	57.00000	46.00000	-0.057435	45.958	0.0	0.0	0.0
39.00000	57.00000	46.00000	-0.049280	45.958	0.0	0.0	0.0
40.00000	57.00000	46.00000	-0.042164	45.958	0.0	0.0	0.0
41.00000	57.00000	46.00000	-0.035952	45.958	0.0	0.0	0.0 !
42.00000	57.00000	46.00000	-0.030527	45.958	0.0	0.0	0.0 !
43.00000	57.00000	46.00000	-0.025789	45.958	0.0	0.0	0.0 !
44.00000	57.00000	46.00000	-0.021651	45.958	0.0	0.0	0.0 !
45.00000	57.00000	46.00000	-0.018036	45.958	0.0	0.0	0.0 !
46.00000	57.00000	46.00000	-0.014880	45.958	0.0	0.0	0.0 !
47.00000	57.00000	46.00000	-0.012124	45.958	0.0	0.0	0.0 !
48.00000	57.00000	46.00000	-0.0097188	45.958	0.0	0.0	0.0 !
49.00000	57.00000	46.00000	-0.0076213	45.958	0.0	0.0	0.0 !
50.00000	57.00000	46.00000	-0.0057933	45.958	0.0	0.0	0.0 !
-10.00000	58.00000	46.00000	-0.26434	45.958	0.0	0.0	0.0
-9.00000	58.00000	46.00000	-0.30876	45.958	0.0	0.0	0.0
-8.00000	58.00000	46.00000	-0.36172	45.958	0.0	0.0	0.0
-7.00000	58.00000	46.00000	-0.42540	45.958	0.0	0.0	0.0
-6.00000	58.00000	46.00000	-0.50273	45.958	0.0	0.0	0.0
-5.00000	58.00000	46.00000	-0.59785	45.958	0.0	0.0	0.0

-4.00000	58.00000	46.00000	-0.71673	45.958	0.0	0.0	0.0
-3.00000	58.00000	46.00000	-0.86842	45.958	0.0	0.0	0.0
-2.00000	58.00000	46.00000	-1.0674	45.958	0.0	0.0	0.0
-1.00000	58.00000	46.00000	-1.3380	45.958	0.0	0.0	0.0
0.00000	58.00000	46.00000	-1.7216	45.958	0.0	0.0	0.0
1.00000	58.00000	46.00000	-2.2836	45.958	0.0	0.0	0.0
2.00000	58.00000	46.00000	-3.0994	45.958	0.0	0.0	0.0
3.00000	58.00000	46.00000	-4.1024	45.958	0.0	0.0	0.0
4.00000	58.00000	46.00000	-4.9115	45.958	0.0	0.0	0.0
5.00000	58.00000	46.00000	-5.3665	45.958	0.0	0.0	0.0
6.00000	58.00000	46.00000	-5.4145	45.958	0.0	0.0	0.0
7.00000	58.00000	46.00000	-4.9548	45.958	0.0	0.0	0.0
8.00000	58.00000	46.00000	-4.2872	45.958	0.0	0.0	0.0
9.00000	58.00000	46.00000	-4.0913	45.958	0.0	0.0	0.0
10.00000	58.00000	46.00000	-4.4129	45.958	0.0	0.0	0.0
11.00000	58.00000	46.00000	-4.7064	45.958	0.0	0.0	0.0
12.00000	58.00000	46.00000	-4.6522	45.958	0.0	0.0	0.0
13.00000	58.00000	46.00000	-4.3190	45.958	0.0	0.0	0.0
14.00000	58.00000	46.00000	-3.7106	45.958	0.0	0.0	0.0
15.00000	58.00000	46.00000	-2.9125	45.958	0.0	0.0	0.0
16.00000	58.00000	46.00000	-2.1917	45.958	0.0	0.0	0.0
17.00000	58.00000	46.00000	-1.6790	45.958	0.0	0.0	0.0
18.00000	58.00000	46.00000	-1.3373	45.958	0.0	0.0	0.0
19.00000	58.00000	46.00000	-1.0995	45.958	0.0	0.0	0.0
20.00000	58.00000	46.00000	-0.92128	45.958	0.0	0.0	0.0
21.00000	58.00000	46.00000	-0.77973	45.958	0.0	0.0	0.0
22.00000	58.00000	46.00000	-0.66349	45.958	0.0	0.0	0.0
23.00000	58.00000	46.00000	-0.56643	45.958	0.0	0.0	0.0
24.00000	58.00000	46.00000	-0.48474	45.958	0.0	0.0	0.0
25.00000	58.00000	46.00000	-0.41567	45.958	0.0	0.0	0.0
26.00000	58.00000	46.00000	-0.35706	45.958	0.0	0.0	0.0
27.00000	58.00000	46.00000	-0.30719	45.958	0.0	0.0	0.0
28.00000	58.00000	46.00000	-0.26461	45.958	0.0	0.0	0.0
29.00000	58.00000	46.00000	-0.22817	45.958	0.0	0.0	0.0
30.00000	58.00000	46.00000	-0.19689	45.958	0.0	0.0	0.0
31.00000	58.00000	46.00000	-0.16999	45.958	0.0	0.0	0.0
32.00000	58.00000	46.00000	-0.14680	45.958	0.0	0.0	0.0
33.00000	58.00000	46.00000	-0.12676	45.958	0.0	0.0	0.0
34.00000	58.00000	46.00000	-0.10942	45.958	0.0	0.0	0.0
35.00000	58.00000	46.00000	-0.094399	45.958	0.0	0.0	0.0
36.00000	58.00000	46.00000	-0.081362	45.958	0.0	0.0	0.0
37.00000	58.00000	46.00000	-0.070034	45.958	0.0	0.0	0.0
38.00000	58.00000	46.00000	-0.060183	45.958	0.0	0.0	0.0
39.00000	58.00000	46.00000	-0.051609	45.958	0.0	0.0	0.0
40.00000	58.00000	46.00000	-0.044140	45.958	0.0	0.0	0.0
41.00000	58.00000	46.00000	-0.037631	45.958	0.0	0.0	0.0 !
42.00000	58.00000	46.00000	-0.031955	45.958	0.0	0.0	0.0 !
43.00000	58.00000	46.00000	-0.027005	45.958	0.0	0.0	0.0 !
44.00000	58.00000	46.00000	-0.022686	45.958	0.0	0.0	0.0 !
45.00000	58.00000	46.00000	-0.018918	45.958	0.0	0.0	0.0 !
46.00000	58.00000	46.00000	-0.015631	45.958	0.0	0.0	0.0 !
47.00000	58.00000	46.00000	-0.012764	45.958	0.0	0.0	0.0 !
48.00000	58.00000	46.00000	-0.010265	45.958	0.0	0.0	0.0 !
49.00000	58.00000	46.00000	-0.0080863	45.958	0.0	0.0	0.0 !

50.00000	58.00000	46.00000	-0.0061892	45.958	0.0	0.0	0.0	!
-10.00000	59.00000	46.00000	-0.27332	45.958	0.0	0.0	0.0	
-9.00000	59.00000	46.00000	-0.31927	45.958	0.0	0.0	0.0	
-8.00000	59.00000	46.00000	-0.37403	45.958	0.0	0.0	0.0	
-7.00000	59.00000	46.00000	-0.43981	45.958	0.0	0.0	0.0	
-6.00000	59.00000	46.00000	-0.51960	45.958	0.0	0.0	0.0	
-5.00000	59.00000	46.00000	-0.61757	45.958	0.0	0.0	0.0	
-4.00000	59.00000	46.00000	-0.73973	45.958	0.0	0.0	0.0	
-3.00000	59.00000	46.00000	-0.89510	45.958	0.0	0.0	0.0	
-2.00000	59.00000	46.00000	-1.0980	45.958	0.0	0.0	0.0	
-1.00000	59.00000	46.00000	-1.3723	45.958	0.0	0.0	0.0	
0.00000	59.00000	46.00000	-1.7587	45.958	0.0	0.0	0.0	
1.00000	59.00000	46.00000	-2.3185	45.958	0.0	0.0	0.0	
2.00000	59.00000	46.00000	-3.1022	45.958	0.0	0.0	0.0	
3.00000	59.00000	46.00000	-4.0315	45.958	0.0	0.0	0.0	
4.00000	59.00000	46.00000	-4.8378	45.958	0.0	0.0	0.0	
5.00000	59.00000	46.00000	-5.2775	45.958	0.0	0.0	0.0	
6.00000	59.00000	46.00000	-5.1663	45.958	0.0	0.0	0.0	
7.00000	59.00000	46.00000	-4.4082	45.958	0.0	0.0	0.0	
8.00000	59.00000	46.00000	-3.5577	45.958	0.0	0.0	0.0	
9.00000	59.00000	46.00000	-3.4542	45.958	0.0	0.0	0.0	
10.00000	59.00000	46.00000	-4.1280	45.958	0.0	0.0	0.0	
11.00000	59.00000	46.00000	-4.7911	45.958	0.0	0.0	0.0	
12.00000	59.00000	46.00000	-4.9158	45.958	0.0	0.0	0.0	
13.00000	59.00000	46.00000	-4.5964	45.958	0.0	0.0	0.0	
14.00000	59.00000	46.00000	-3.9388	45.958	0.0	0.0	0.0	
15.00000	59.00000	46.00000	-3.0922	45.958	0.0	0.0	0.0	
16.00000	59.00000	46.00000	-2.3389	45.958	0.0	0.0	0.0	
17.00000	59.00000	46.00000	-1.8078	45.958	0.0	0.0	0.0	
18.00000	59.00000	46.00000	-1.4540	45.958	0.0	0.0	0.0	
19.00000	59.00000	46.00000	-1.2034	45.958	0.0	0.0	0.0	
20.00000	59.00000	46.00000	-1.0104	45.958	0.0	0.0	0.0	
21.00000	59.00000	46.00000	-0.85351	45.958	0.0	0.0	0.0	
22.00000	59.00000	46.00000	-0.72322	45.958	0.0	0.0	0.0	
23.00000	59.00000	46.00000	-0.61427	45.958	0.0	0.0	0.0	
24.00000	59.00000	46.00000	-0.52295	45.958	0.0	0.0	0.0	
25.00000	59.00000	46.00000	-0.44624	45.958	0.0	0.0	0.0	
26.00000	59.00000	46.00000	-0.38165	45.958	0.0	0.0	0.0	
27.00000	59.00000	46.00000	-0.32707	45.958	0.0	0.0	0.0	
28.00000	59.00000	46.00000	-0.28080	45.958	0.0	0.0	0.0	
29.00000	59.00000	46.00000	-0.24142	45.958	0.0	0.0	0.0	
30.00000	59.00000	46.00000	-0.20779	45.958	0.0	0.0	0.0	
31.00000	59.00000	46.00000	-0.17900	45.958	0.0	0.0	0.0	
32.00000	59.00000	46.00000	-0.15428	45.958	0.0	0.0	0.0	
33.00000	59.00000	46.00000	-0.13300	45.958	0.0	0.0	0.0	
34.00000	59.00000	46.00000	-0.11464	45.958	0.0	0.0	0.0	
35.00000	59.00000	46.00000	-0.098772	45.958	0.0	0.0	0.0	
36.00000	59.00000	46.00000	-0.085039	45.958	0.0	0.0	0.0	
37.00000	59.00000	46.00000	-0.073134	45.958	0.0	0.0	0.0	
38.00000	59.00000	46.00000	-0.062801	45.958	0.0	0.0	0.0	
39.00000	59.00000	46.00000	-0.053824	45.958	0.0	0.0	0.0	
40.00000	59.00000	46.00000	-0.046017	45.958	0.0	0.0	0.0	
41.00000	59.00000	46.00000	-0.039223	45.958	0.0	0.0	0.0	!
42.00000	59.00000	46.00000	-0.033307	45.958	0.0	0.0	0.0	!

43.00000	59.00000	46.00000	-0.028154	45.958	0.0	0.0	0.0	!
44.00000	59.00000	46.00000	-0.023664	45.958	0.0	0.0	0.0	!
45.00000	59.00000	46.00000	-0.019751	45.958	0.0	0.0	0.0	!
46.00000	59.00000	46.00000	-0.016340	45.958	0.0	0.0	0.0	!
47.00000	59.00000	46.00000	-0.013368	45.958	0.0	0.0	0.0	!
48.00000	59.00000	46.00000	-0.010778	45.958	0.0	0.0	0.0	!
49.00000	59.00000	46.00000	-0.0085236	45.958	0.0	0.0	0.0	!
50.00000	59.00000	46.00000	-0.0065613	45.958	0.0	0.0	0.0	!
-10.00000	60.00000	46.00000	-0.28114	45.958	0.0	0.0	0.0	
-9.00000	60.00000	46.00000	-0.32830	45.958	0.0	0.0	0.0	
-8.00000	60.00000	46.00000	-0.38442	45.958	0.0	0.0	0.0	
-7.00000	60.00000	46.00000	-0.45172	45.958	0.0	0.0	0.0	
-6.00000	60.00000	46.00000	-0.53317	45.958	0.0	0.0	0.0	
-5.00000	60.00000	46.00000	-0.63288	45.958	0.0	0.0	0.0	
-4.00000	60.00000	46.00000	-0.75674	45.958	0.0	0.0	0.0	
-3.00000	60.00000	46.00000	-0.91350	45.958	0.0	0.0	0.0	
-2.00000	60.00000	46.00000	-1.1169	45.958	0.0	0.0	0.0	
-1.00000	60.00000	46.00000	-1.3896	45.958	0.0	0.0	0.0	
0.00000	60.00000	46.00000	-1.7692	45.958	0.0	0.0	0.0	
1.00000	60.00000	46.00000	-2.3095	45.958	0.0	0.0	0.0	
2.00000	60.00000	46.00000	-3.0458	45.958	0.0	0.0	0.0	
3.00000	60.00000	46.00000	-3.8886	45.958	0.0	0.0	0.0	
4.00000	60.00000	46.00000	-4.6081	45.958	0.0	0.0	0.0	
5.00000	60.00000	46.00000	-5.0470	45.958	0.0	0.0	0.0	
6.00000	60.00000	46.00000	-5.0380	45.958	0.0	0.0	0.0	
7.00000	60.00000	46.00000	-4.3961	45.958	0.0	0.0	0.0	
8.00000	60.00000	46.00000	-3.6173	45.958	0.0	0.0	0.0	
9.00000	60.00000	46.00000	-3.5385	45.958	0.0	0.0	0.0	
10.00000	60.00000	46.00000	-4.1754	45.958	0.0	0.0	0.0	
11.00000	60.00000	46.00000	-4.7237	45.958	0.0	0.0	0.0	
12.00000	60.00000	46.00000	-4.7296	45.958	0.0	0.0	0.0	
13.00000	60.00000	46.00000	-4.3999	45.958	0.0	0.0	0.0	
14.00000	60.00000	46.00000	-3.8298	45.958	0.0	0.0	0.0	
15.00000	60.00000	46.00000	-3.0806	45.958	0.0	0.0	0.0	
16.00000	60.00000	46.00000	-2.3997	45.958	0.0	0.0	0.0	
17.00000	60.00000	46.00000	-1.9167	45.958	0.0	0.0	0.0	
18.00000	60.00000	46.00000	-1.5841	45.958	0.0	0.0	0.0	
19.00000	60.00000	46.00000	-1.3296	45.958	0.0	0.0	0.0	
20.00000	60.00000	46.00000	-1.1177	45.958	0.0	0.0	0.0	
21.00000	60.00000	46.00000	-0.93887	45.958	0.0	0.0	0.0	
22.00000	60.00000	46.00000	-0.78958	45.958	0.0	0.0	0.0	
23.00000	60.00000	46.00000	-0.66562	45.958	0.0	0.0	0.0	
24.00000	60.00000	46.00000	-0.56283	45.958	0.0	0.0	0.0	
25.00000	60.00000	46.00000	-0.47746	45.958	0.0	0.0	0.0	
26.00000	60.00000	46.00000	-0.40632	45.958	0.0	0.0	0.0	
27.00000	60.00000	46.00000	-0.34676	45.958	0.0	0.0	0.0	
28.00000	60.00000	46.00000	-0.29664	45.958	0.0	0.0	0.0	
29.00000	60.00000	46.00000	-0.25427	45.958	0.0	0.0	0.0	
30.00000	60.00000	46.00000	-0.21830	45.958	0.0	0.0	0.0	
31.00000	60.00000	46.00000	-0.18763	45.958	0.0	0.0	0.0	
32.00000	60.00000	46.00000	-0.16141	45.958	0.0	0.0	0.0	
33.00000	60.00000	46.00000	-0.13892	45.958	0.0	0.0	0.0	
34.00000	60.00000	46.00000	-0.11957	45.958	0.0	0.0	0.0	
35.00000	60.00000	46.00000	-0.10290	45.958	0.0	0.0	0.0	

36.00000	60.00000	46.00000	-0.088503	45.958	0.0	0.0	0.0
37.00000	60.00000	46.00000	-0.076048	45.958	0.0	0.0	0.0
38.00000	60.00000	46.00000	-0.065257	45.958	0.0	0.0	0.0
39.00000	60.00000	46.00000	-0.055898	45.958	0.0	0.0	0.0
40.00000	60.00000	46.00000	-0.047772	45.958	0.0	0.0	0.0
41.00000	60.00000	46.00000	-0.040710	45.958	0.0	0.0	0.0 !
42.00000	60.00000	46.00000	-0.034569	45.958	0.0	0.0	0.0 !
43.00000	60.00000	46.00000	-0.029226	45.958	0.0	0.0	0.0 !
44.00000	60.00000	46.00000	-0.024574	45.958	0.0	0.0	0.0 !
45.00000	60.00000	46.00000	-0.020525	45.958	0.0	0.0	0.0 !
46.00000	60.00000	46.00000	-0.016998	45.958	0.0	0.0	0.0 !
47.00000	60.00000	46.00000	-0.013928	45.958	0.0	0.0	0.0 !
48.00000	60.00000	46.00000	-0.011255	45.958	0.0	0.0	0.0 !
49.00000	60.00000	46.00000	-0.0089293	45.958	0.0	0.0	0.0 !
50.00000	60.00000	46.00000	-0.0069063	45.958	0.0	0.0	0.0 !
-10.00000	61.00000	46.00000	-0.28779	45.958	0.0	0.0	0.0
-9.00000	61.00000	46.00000	-0.33586	45.958	0.0	0.0	0.0
-8.00000	61.00000	46.00000	-0.39295	45.958	0.0	0.0	0.0
-7.00000	61.00000	46.00000	-0.46122	45.958	0.0	0.0	0.0
-6.00000	61.00000	46.00000	-0.54360	45.958	0.0	0.0	0.0
-5.00000	61.00000	46.00000	-0.64406	45.958	0.0	0.0	0.0
-4.00000	61.00000	46.00000	-0.76825	45.958	0.0	0.0	0.0
-3.00000	61.00000	46.00000	-0.92455	45.958	0.0	0.0	0.0
-2.00000	61.00000	46.00000	-1.1259	45.958	0.0	0.0	0.0
-1.00000	61.00000	46.00000	-1.3934	45.958	0.0	0.0	0.0
0.00000	61.00000	46.00000	-1.7605	45.958	0.0	0.0	0.0
1.00000	61.00000	46.00000	-2.2695	45.958	0.0	0.0	0.0
2.00000	61.00000	46.00000	-2.9254	45.958	0.0	0.0	0.0
3.00000	61.00000	46.00000	-3.5956	45.958	0.0	0.0	0.0
4.00000	61.00000	46.00000	-4.1060	45.958	0.0	0.0	0.0
5.00000	61.00000	46.00000	-4.5612	45.958	0.0	0.0	0.0
6.00000	61.00000	46.00000	-4.9619	45.958	0.0	0.0	0.0
7.00000	61.00000	46.00000	-4.9372	45.958	0.0	0.0	0.0
8.00000	61.00000	46.00000	-4.6144	45.958	0.0	0.0	0.0
9.00000	61.00000	46.00000	-4.5511	45.958	0.0	0.0	0.0
10.00000	61.00000	46.00000	-4.7488	45.958	0.0	0.0	0.0
11.00000	61.00000	46.00000	-4.6663	45.958	0.0	0.0	0.0
12.00000	61.00000	46.00000	-4.2190	45.958	0.0	0.0	0.0
13.00000	61.00000	46.00000	-3.8082	45.958	0.0	0.0	0.0
14.00000	61.00000	46.00000	-3.4099	45.958	0.0	0.0	0.0
15.00000	61.00000	46.00000	-2.8805	45.958	0.0	0.0	0.0
16.00000	61.00000	46.00000	-2.4051	45.958	0.0	0.0	0.0
17.00000	61.00000	46.00000	-2.0831	45.958	0.0	0.0	0.0
18.00000	61.00000	46.00000	-1.8208	45.958	0.0	0.0	0.0
19.00000	61.00000	46.00000	-1.5463	45.958	0.0	0.0	0.0
20.00000	61.00000	46.00000	-1.2732	45.958	0.0	0.0	0.0
21.00000	61.00000	46.00000	-1.0450	45.958	0.0	0.0	0.0
22.00000	61.00000	46.00000	-0.86482	45.958	0.0	0.0	0.0
23.00000	61.00000	46.00000	-0.72070	45.958	0.0	0.0	0.0
24.00000	61.00000	46.00000	-0.60404	45.958	0.0	0.0	0.0
25.00000	61.00000	46.00000	-0.50887	45.958	0.0	0.0	0.0
26.00000	61.00000	46.00000	-0.43065	45.958	0.0	0.0	0.0
27.00000	61.00000	46.00000	-0.36587	45.958	0.0	0.0	0.0
28.00000	61.00000	46.00000	-0.31185	45.958	0.0	0.0	0.0

29.00000	61.00000	46.00000	-0.26650	45.958	0.0	0.0	0.0
30.00000	61.00000	46.00000	-0.22822	45.958	0.0	0.0	0.0
31.00000	61.00000	46.00000	-0.19575	45.958	0.0	0.0	0.0
32.00000	61.00000	46.00000	-0.16809	45.958	0.0	0.0	0.0
33.00000	61.00000	46.00000	-0.14444	45.958	0.0	0.0	0.0
34.00000	61.00000	46.00000	-0.12416	45.958	0.0	0.0	0.0
35.00000	61.00000	46.00000	-0.10673	45.958	0.0	0.0	0.0
36.00000	61.00000	46.00000	-0.091709	45.958	0.0	0.0	0.0
37.00000	61.00000	46.00000	-0.078738	45.958	0.0	0.0	0.0
38.00000	61.00000	46.00000	-0.067522	45.958	0.0	0.0	0.0
39.00000	61.00000	46.00000	-0.057808	45.958	0.0	0.0	0.0
40.00000	61.00000	46.00000	-0.049386	45.958	0.0	0.0	0.0
41.00000	61.00000	46.00000	-0.042076	45.958	0.0	0.0	0.0 !
42.00000	61.00000	46.00000	-0.035726	45.958	0.0	0.0	0.0 !
43.00000	61.00000	46.00000	-0.030207	45.958	0.0	0.0	0.0 !
44.00000	61.00000	46.00000	-0.025408	45.958	0.0	0.0	0.0 !
45.00000	61.00000	46.00000	-0.021233	45.958	0.0	0.0	0.0 !
46.00000	61.00000	46.00000	-0.017601	45.958	0.0	0.0	0.0 !
47.00000	61.00000	46.00000	-0.014440	45.958	0.0	0.0	0.0 !
48.00000	61.00000	46.00000	-0.011691	45.958	0.0	0.0	0.0 !
49.00000	61.00000	46.00000	-0.0092995	45.958	0.0	0.0	0.0 !
50.00000	61.00000	46.00000	-0.0072209	45.958	0.0	0.0	0.0 !
-10.00000	62.00000	46.00000	-0.29332	45.958	0.0	0.0	0.0
-9.00000	62.00000	46.00000	-0.34202	45.958	0.0	0.0	0.0
-8.00000	62.00000	46.00000	-0.39972	45.958	0.0	0.0	0.0
-7.00000	62.00000	46.00000	-0.46850	45.958	0.0	0.0	0.0
-6.00000	62.00000	46.00000	-0.55118	45.958	0.0	0.0	0.0
-5.00000	62.00000	46.00000	-0.65154	45.958	0.0	0.0	0.0
-4.00000	62.00000	46.00000	-0.77496	45.958	0.0	0.0	0.0
-3.00000	62.00000	46.00000	-0.92936	45.958	0.0	0.0	0.0
-2.00000	62.00000	46.00000	-1.1270	45.958	0.0	0.0	0.0
-1.00000	62.00000	46.00000	-1.3875	45.958	0.0	0.0	0.0
0.00000	62.00000	46.00000	-1.7418	45.958	0.0	0.0	0.0
1.00000	62.00000	46.00000	-2.2253	45.958	0.0	0.0	0.0
2.00000	62.00000	46.00000	-2.8266	45.958	0.0	0.0	0.0
3.00000	62.00000	46.00000	-3.3914	45.958	0.0	0.0	0.0
4.00000	62.00000	46.00000	-3.7889	45.958	0.0	0.0	0.0
5.00000	62.00000	46.00000	-4.3075	45.958	0.0	0.0	0.0
6.00000	62.00000	46.00000	-5.0959	45.958	0.0	0.0	0.0
7.00000	62.00000	46.00000	-5.6817	45.958	0.0	0.0	0.0
8.00000	62.00000	46.00000	-5.8426	45.958	0.0	0.0	0.0
9.00000	62.00000	46.00000	-5.7974	45.958	0.0	0.0	0.0
10.00000	62.00000	46.00000	-5.5333	45.958	0.0	0.0	0.0
11.00000	62.00000	46.00000	-4.8244	45.958	0.0	0.0	0.0
12.00000	62.00000	46.00000	-3.9016	45.958	0.0	0.0	0.0
13.00000	62.00000	46.00000	-3.2511	45.958	0.0	0.0	0.0
14.00000	62.00000	46.00000	-2.8330	45.958	0.0	0.0	0.0
15.00000	62.00000	46.00000	-2.5242	45.958	0.0	0.0	0.0
16.00000	62.00000	46.00000	-2.5064	45.958	0.0	0.0	0.0
17.00000	62.00000	46.00000	-2.6669	45.958	0.0	0.0	0.0
18.00000	62.00000	46.00000	-2.5716	45.958	0.0	0.0	0.0
19.00000	62.00000	46.00000	-2.1258	45.958	0.0	0.0	0.0
20.00000	62.00000	46.00000	-1.5593	45.958	0.0	0.0	0.0
21.00000	62.00000	46.00000	-1.1859	45.958	0.0	0.0	0.0

22.00000	62.00000	46.00000	-0.94987	45.958	0.0	0.0	0.0
23.00000	62.00000	46.00000	-0.77851	45.958	0.0	0.0	0.0
24.00000	62.00000	46.00000	-0.64554	45.958	0.0	0.0	0.0
25.00000	62.00000	46.00000	-0.53963	45.958	0.0	0.0	0.0
26.00000	62.00000	46.00000	-0.45401	45.958	0.0	0.0	0.0
27.00000	62.00000	46.00000	-0.38397	45.958	0.0	0.0	0.0
28.00000	62.00000	46.00000	-0.32609	45.958	0.0	0.0	0.0
29.00000	62.00000	46.00000	-0.27786	45.958	0.0	0.0	0.0
30.00000	62.00000	46.00000	-0.23738	45.958	0.0	0.0	0.0
31.00000	62.00000	46.00000	-0.20320	45.958	0.0	0.0	0.0
32.00000	62.00000	46.00000	-0.17419	45.958	0.0	0.0	0.0
33.00000	62.00000	46.00000	-0.14948	45.958	0.0	0.0	0.0
34.00000	62.00000	46.00000	-0.12834	45.958	0.0	0.0	0.0
35.00000	62.00000	46.00000	-0.11020	45.958	0.0	0.0	0.0
36.00000	62.00000	46.00000	-0.094610	45.958	0.0	0.0	0.0
37.00000	62.00000	46.00000	-0.081171	45.958	0.0	0.0	0.0
38.00000	62.00000	46.00000	-0.069566	45.958	0.0	0.0	0.0
39.00000	62.00000	46.00000	-0.059530	45.958	0.0	0.0	0.0
40.00000	62.00000	46.00000	-0.050839	45.958	0.0	0.0	0.0
41.00000	62.00000	46.00000	-0.043305	45.958	0.0	0.0	0.0 !
42.00000	62.00000	46.00000	-0.036767	45.958	0.0	0.0	0.0 !
43.00000	62.00000	46.00000	-0.031089	45.958	0.0	0.0	0.0 !
44.00000	62.00000	46.00000	-0.026156	45.958	0.0	0.0	0.0 !
45.00000	62.00000	46.00000	-0.021869	45.958	0.0	0.0	0.0 !
46.00000	62.00000	46.00000	-0.018140	45.958	0.0	0.0	0.0 !
47.00000	62.00000	46.00000	-0.014899	45.958	0.0	0.0	0.0 !
48.00000	62.00000	46.00000	-0.012081	45.958	0.0	0.0	0.0 !
49.00000	62.00000	46.00000	-0.0096307	45.958	0.0	0.0	0.0 !
50.00000	62.00000	46.00000	-0.0075023	45.958	0.0	0.0	0.0 !
-10.00000	63.00000	46.00000	-0.29779	45.958	0.0	0.0	0.0
-9.00000	63.00000	46.00000	-0.34690	45.958	0.0	0.0	0.0
-8.00000	63.00000	46.00000	-0.40491	45.958	0.0	0.0	0.0
-7.00000	63.00000	46.00000	-0.47382	45.958	0.0	0.0	0.0
-6.00000	63.00000	46.00000	-0.55630	45.958	0.0	0.0	0.0
-5.00000	63.00000	46.00000	-0.65591	45.958	0.0	0.0	0.0
-4.00000	63.00000	46.00000	-0.77769	45.958	0.0	0.0	0.0
-3.00000	63.00000	46.00000	-0.92906	45.958	0.0	0.0	0.0
-2.00000	63.00000	46.00000	-1.1216	45.958	0.0	0.0	0.0
-1.00000	63.00000	46.00000	-1.3742	45.958	0.0	0.0	0.0
0.00000	63.00000	46.00000	-1.7174	45.958	0.0	0.0	0.0
1.00000	63.00000	46.00000	-2.1890	45.958	0.0	0.0	0.0
2.00000	63.00000	46.00000	-2.7904	45.958	0.0	0.0	0.0
3.00000	63.00000	46.00000	-3.3983	45.958	0.0	0.0	0.0
4.00000	63.00000	46.00000	-3.8921	45.958	0.0	0.0	0.0
5.00000	63.00000	46.00000	-4.5011	45.958	0.0	0.0	0.0
6.00000	63.00000	46.00000	-5.3888	45.958	0.0	0.0	0.0
7.00000	63.00000	46.00000	-6.1887	45.958	0.0	0.0	0.0
8.00000	63.00000	46.00000	-6.5864	45.958	0.0	0.0	0.0
9.00000	63.00000	46.00000	-6.5721	45.958	0.0	0.0	0.0
10.00000	63.00000	46.00000	-6.0961	45.958	0.0	0.0	0.0
11.00000	63.00000	46.00000	-5.1019	45.958	0.0	0.0	0.0
12.00000	63.00000	46.00000	-3.8888	45.958	0.0	0.0	0.0
13.00000	63.00000	46.00000	-2.8688	45.958	0.0	0.0	0.0
14.00000	63.00000	46.00000	-2.1846	45.958	0.0	0.0	0.0

15.00000	63.00000	46.00000	-2.1138	45.958	0.0	0.0	0.0
16.00000	63.00000	46.00000	-2.9153	45.958	0.0	0.0	0.0
17.00000	63.00000	46.00000	-4.0192	45.958	0.0	0.0	0.0
18.00000	63.00000	46.00000	-4.1881	45.958	0.0	0.0	0.0
19.00000	63.00000	46.00000	-3.3204	45.958	0.0	0.0	0.0
20.00000	63.00000	46.00000	-2.0437	45.958	0.0	0.0	0.0
21.00000	63.00000	46.00000	-1.3684	45.958	0.0	0.0	0.0
22.00000	63.00000	46.00000	-1.0416	45.958	0.0	0.0	0.0
23.00000	63.00000	46.00000	-0.83608	45.958	0.0	0.0	0.0
24.00000	63.00000	46.00000	-0.68538	45.958	0.0	0.0	0.0
25.00000	63.00000	46.00000	-0.56850	45.958	0.0	0.0	0.0
26.00000	63.00000	46.00000	-0.47559	45.958	0.0	0.0	0.0
27.00000	63.00000	46.00000	-0.40048	45.958	0.0	0.0	0.0
28.00000	63.00000	46.00000	-0.33898	45.958	0.0	0.0	0.0
29.00000	63.00000	46.00000	-0.28807	45.958	0.0	0.0	0.0
30.00000	63.00000	46.00000	-0.24557	45.958	0.0	0.0	0.0
31.00000	63.00000	46.00000	-0.20983	45.958	0.0	0.0	0.0
32.00000	63.00000	46.00000	-0.17961	45.958	0.0	0.0	0.0
33.00000	63.00000	46.00000	-0.15393	45.958	0.0	0.0	0.0
34.00000	63.00000	46.00000	-0.13202	45.958	0.0	0.0	0.0
35.00000	63.00000	46.00000	-0.11327	45.958	0.0	0.0	0.0
36.00000	63.00000	46.00000	-0.097165	45.958	0.0	0.0	0.0
37.00000	63.00000	46.00000	-0.083310	45.958	0.0	0.0	0.0
38.00000	63.00000	46.00000	-0.071362	45.958	0.0	0.0	0.0
39.00000	63.00000	46.00000	-0.061042	45.958	0.0	0.0	0.0
40.00000	63.00000	46.00000	-0.052114	45.958	0.0	0.0	0.0
41.00000	63.00000	46.00000	-0.044382	45.958	0.0	0.0	0.0 !
42.00000	63.00000	46.00000	-0.037678	45.958	0.0	0.0	0.0 !
43.00000	63.00000	46.00000	-0.031862	45.958	0.0	0.0	0.0 !
44.00000	63.00000	46.00000	-0.026811	45.958	0.0	0.0	0.0 !
45.00000	63.00000	46.00000	-0.022424	45.958	0.0	0.0	0.0 !
46.00000	63.00000	46.00000	-0.018612	45.958	0.0	0.0	0.0 !
47.00000	63.00000	46.00000	-0.015300	45.958	0.0	0.0	0.0 !
48.00000	63.00000	46.00000	-0.012421	45.958	0.0	0.0	0.0 !
49.00000	63.00000	46.00000	-0.0099199	45.958	0.0	0.0	0.0 !
50.00000	63.00000	46.00000	-0.0077478	45.958	0.0	0.0	0.0 !
-10.00000	64.00000	46.00000	-0.30129	45.958	0.0	0.0	0.0
-9.00000	64.00000	46.00000	-0.35063	45.958	0.0	0.0	0.0
-8.00000	64.00000	46.00000	-0.40874	45.958	0.0	0.0	0.0
-7.00000	64.00000	46.00000	-0.47751	45.958	0.0	0.0	0.0
-6.00000	64.00000	46.00000	-0.55943	45.958	0.0	0.0	0.0
-5.00000	64.00000	46.00000	-0.65782	45.958	0.0	0.0	0.0
-4.00000	64.00000	46.00000	-0.77734	45.958	0.0	0.0	0.0
-3.00000	64.00000	46.00000	-0.92481	45.958	0.0	0.0	0.0
-2.00000	64.00000	46.00000	-1.1111	45.958	0.0	0.0	0.0
-1.00000	64.00000	46.00000	-1.3541	45.958	0.0	0.0	0.0
0.00000	64.00000	46.00000	-1.6843	45.958	0.0	0.0	0.0
1.00000	64.00000	46.00000	-2.1435	45.958	0.0	0.0	0.0
2.00000	64.00000	46.00000	-2.7483	45.958	0.0	0.0	0.0
3.00000	64.00000	46.00000	-3.4016	45.958	0.0	0.0	0.0
4.00000	64.00000	46.00000	-3.9613	45.958	0.0	0.0	0.0
5.00000	64.00000	46.00000	-4.5545	45.958	0.0	0.0	0.0
6.00000	64.00000	46.00000	-5.3562	45.958	0.0	0.0	0.0
7.00000	64.00000	46.00000	-6.1665	45.958	0.0	0.0	0.0



8.00000	64.00000	46.00000	-6.6923	45.958	0.0	0.0	0.0
9.00000	64.00000	46.00000	-6.7653	45.958	0.0	0.0	0.0
10.00000	64.00000	46.00000	-6.2494	45.958	0.0	0.0	0.0
11.00000	64.00000	46.00000	-5.1284	45.958	0.0	0.0	0.0
12.00000	64.00000	46.00000	-3.7350	45.958	0.0	0.0	0.0
13.00000	64.00000	46.00000	-2.4887	45.958	0.0	0.0	0.0
14.00000	64.00000	46.00000	-1.7263	45.958	0.0	0.0	0.0
15.00000	64.00000	46.00000	-2.0709	45.958	0.0	0.0	0.0
16.00000	64.00000	46.00000	-3.3590	45.958	0.0	0.0	0.0
17.00000	64.00000	46.00000	-4.5497	45.958	0.0	0.0	0.0
18.00000	64.00000	46.00000	-4.7870	45.958	0.0	0.0	0.0
19.00000	64.00000	46.00000	-4.0098	45.958	0.0	0.0	0.0
20.00000	64.00000	46.00000	-2.5709	45.958	0.0	0.0	0.0
21.00000	64.00000	46.00000	-1.5708	45.958	0.0	0.0	0.0
22.00000	64.00000	46.00000	-1.1297	45.958	0.0	0.0	0.0
23.00000	64.00000	46.00000	-0.88854	45.958	0.0	0.0	0.0
24.00000	64.00000	46.00000	-0.72096	45.958	0.0	0.0	0.0
25.00000	64.00000	46.00000	-0.59399	45.958	0.0	0.0	0.0
26.00000	64.00000	46.00000	-0.49446	45.958	0.0	0.0	0.0
27.00000	64.00000	46.00000	-0.41482	45.958	0.0	0.0	0.0
28.00000	64.00000	46.00000	-0.35010	45.958	0.0	0.0	0.0
29.00000	64.00000	46.00000	-0.29684	45.958	0.0	0.0	0.0
30.00000	64.00000	46.00000	-0.25257	45.958	0.0	0.0	0.0
31.00000	64.00000	46.00000	-0.21549	45.958	0.0	0.0	0.0
32.00000	64.00000	46.00000	-0.18423	45.958	0.0	0.0	0.0
33.00000	64.00000	46.00000	-0.15772	45.958	0.0	0.0	0.0
34.00000	64.00000	46.00000	-0.13516	45.958	0.0	0.0	0.0
35.00000	64.00000	46.00000	-0.11587	45.958	0.0	0.0	0.0
36.00000	64.00000	46.00000	-0.099335	45.958	0.0	0.0	0.0
37.00000	64.00000	46.00000	-0.085126	45.958	0.0	0.0	0.0
38.00000	64.00000	46.00000	-0.072886	45.958	0.0	0.0	0.0
39.00000	64.00000	46.00000	-0.062324	45.958	0.0	0.0	0.0
40.00000	64.00000	46.00000	-0.053195	45.958	0.0	0.0	0.0
41.00000	64.00000	46.00000	-0.045295	45.958	0.0	0.0	0.0 !
42.00000	64.00000	46.00000	-0.038450	45.958	0.0	0.0	0.0 !
43.00000	64.00000	46.00000	-0.032515	45.958	0.0	0.0	0.0 !
44.00000	64.00000	46.00000	-0.027365	45.958	0.0	0.0	0.0 !
45.00000	64.00000	46.00000	-0.022894	45.958	0.0	0.0	0.0 !
46.00000	64.00000	46.00000	-0.019011	45.958	0.0	0.0	0.0 !
47.00000	64.00000	46.00000	-0.015638	45.958	0.0	0.0	0.0 !
48.00000	64.00000	46.00000	-0.012709	45.958	0.0	0.0	0.0 !
49.00000	64.00000	46.00000	-0.010164	45.958	0.0	0.0	0.0 !
50.00000	64.00000	46.00000	-0.0079550	45.958	0.0	0.0	0.0 !
-10.00000	65.00000	46.00000	-0.30394	45.958	0.0	0.0	0.0
-9.00000	65.00000	46.00000	-0.35339	45.958	0.0	0.0	0.0
-8.00000	65.00000	46.00000	-0.41145	45.958	0.0	0.0	0.0
-7.00000	65.00000	46.00000	-0.47991	45.958	0.0	0.0	0.0
-6.00000	65.00000	46.00000	-0.56109	45.958	0.0	0.0	0.0
-5.00000	65.00000	46.00000	-0.65803	45.958	0.0	0.0	0.0
-4.00000	65.00000	46.00000	-0.77493	45.958	0.0	0.0	0.0
-3.00000	65.00000	46.00000	-0.91795	45.958	0.0	0.0	0.0
-2.00000	65.00000	46.00000	-1.0968	45.958	0.0	0.0	0.0
-1.00000	65.00000	46.00000	-1.3278	45.958	0.0	0.0	0.0
0.00000	65.00000	46.00000	-1.6385	45.958	0.0	0.0	0.0

1.00000	65.00000	46.00000	-2.0671	45.958	0.0	0.0	0.0
2.00000	65.00000	46.00000	-2.6237	45.958	0.0	0.0	0.0
3.00000	65.00000	46.00000	-3.1921	45.958	0.0	0.0	0.0
4.00000	65.00000	46.00000	-3.5892	45.958	0.0	0.0	0.0
5.00000	65.00000	46.00000	-3.9490	45.958	0.0	0.0	0.0
6.00000	65.00000	46.00000	-4.5823	45.958	0.0	0.0	0.0
7.00000	65.00000	46.00000	-5.4431	45.958	0.0	0.0	0.0
8.00000	65.00000	46.00000	-6.2151	45.958	0.0	0.0	0.0
9.00000	65.00000	46.00000	-6.5135	45.958	0.0	0.0	0.0
10.00000	65.00000	46.00000	-6.0512	45.958	0.0	0.0	0.0
11.00000	65.00000	46.00000	-4.8366	45.958	0.0	0.0	0.0
12.00000	65.00000	46.00000	-3.3408	45.958	0.0	0.0	0.0
13.00000	65.00000	46.00000	-2.1371	45.958	0.0	0.0	0.0
14.00000	65.00000	46.00000	-1.6550	45.958	0.0	0.0	0.0
15.00000	65.00000	46.00000	-2.4109	45.958	0.0	0.0	0.0
16.00000	65.00000	46.00000	-3.6038	45.958	0.0	0.0	0.0
17.00000	65.00000	46.00000	-4.3814	45.958	0.0	0.0	0.0
18.00000	65.00000	46.00000	-4.5733	45.958	0.0	0.0	0.0
19.00000	65.00000	46.00000	-4.1181	45.958	0.0	0.0	0.0
20.00000	65.00000	46.00000	-2.8816	45.958	0.0	0.0	0.0
21.00000	65.00000	46.00000	-1.7189	45.958	0.0	0.0	0.0
22.00000	65.00000	46.00000	-1.1987	45.958	0.0	0.0	0.0
23.00000	65.00000	46.00000	-0.93057	45.958	0.0	0.0	0.0
24.00000	65.00000	46.00000	-0.74972	45.958	0.0	0.0	0.0
25.00000	65.00000	46.00000	-0.61464	45.958	0.0	0.0	0.0
26.00000	65.00000	46.00000	-0.50975	45.958	0.0	0.0	0.0
27.00000	65.00000	46.00000	-0.42642	45.958	0.0	0.0	0.0
28.00000	65.00000	46.00000	-0.35908	45.958	0.0	0.0	0.0
29.00000	65.00000	46.00000	-0.30391	45.958	0.0	0.0	0.0
30.00000	65.00000	46.00000	-0.25823	45.958	0.0	0.0	0.0
31.00000	65.00000	46.00000	-0.22006	45.958	0.0	0.0	0.0
32.00000	65.00000	46.00000	-0.18795	45.958	0.0	0.0	0.0
33.00000	65.00000	46.00000	-0.16078	45.958	0.0	0.0	0.0
34.00000	65.00000	46.00000	-0.13768	45.958	0.0	0.0	0.0
35.00000	65.00000	46.00000	-0.11797	45.958	0.0	0.0	0.0
36.00000	65.00000	46.00000	-0.10109	45.958	0.0	0.0	0.0
37.00000	65.00000	46.00000	-0.086591	45.958	0.0	0.0	0.0
38.00000	65.00000	46.00000	-0.074116	45.958	0.0	0.0	0.0
39.00000	65.00000	46.00000	-0.063359	45.958	0.0	0.0	0.0
40.00000	65.00000	46.00000	-0.054068	45.958	0.0	0.0	0.0
41.00000	65.00000	46.00000	-0.046032	45.958	0.0	0.0	0.0 !
42.00000	65.00000	46.00000	-0.039074	45.958	0.0	0.0	0.0 !
43.00000	65.00000	46.00000	-0.033043	45.958	0.0	0.0	0.0 !
44.00000	65.00000	46.00000	-0.027813	45.958	0.0	0.0	0.0 !
45.00000	65.00000	46.00000	-0.023274	45.958	0.0	0.0	0.0 !
46.00000	65.00000	46.00000	-0.019333	45.958	0.0	0.0	0.0 !
47.00000	65.00000	46.00000	-0.015911	45.958	0.0	0.0	0.0 !
48.00000	65.00000	46.00000	-0.012940	45.958	0.0	0.0	0.0 !
49.00000	65.00000	46.00000	-0.010361	45.958	0.0	0.0	0.0 !
50.00000	65.00000	46.00000	-0.0081219	45.958	0.0	0.0	0.0 !
-10.00000	66.00000	46.00000	-0.30584	45.958	0.0	0.0	0.0
-9.00000	66.00000	46.00000	-0.35532	45.958	0.0	0.0	0.0
-8.00000	66.00000	46.00000	-0.41327	45.958	0.0	0.0	0.0
-7.00000	66.00000	46.00000	-0.48139	45.958	0.0	0.0	0.0

-6.00000	66.00000	46.00000	-0.56181	45.958	0.0	0.0	0.0
-5.00000	66.00000	46.00000	-0.65731	45.958	0.0	0.0	0.0
-4.00000	66.00000	46.00000	-0.77164	45.958	0.0	0.0	0.0
-3.00000	66.00000	46.00000	-0.91014	45.958	0.0	0.0	0.0
-2.00000	66.00000	46.00000	-1.0810	45.958	0.0	0.0	0.0
-1.00000	66.00000	46.00000	-1.2978	45.958	0.0	0.0	0.0
0.00000	66.00000	46.00000	-1.5818	45.958	0.0	0.0	0.0
1.00000	66.00000	46.00000	-1.9574	45.958	0.0	0.0	0.0
2.00000	66.00000	46.00000	-2.4060	45.958	0.0	0.0	0.0
3.00000	66.00000	46.00000	-2.7652	45.958	0.0	0.0	0.0
4.00000	66.00000	46.00000	-2.8190	45.958	0.0	0.0	0.0
5.00000	66.00000	46.00000	-2.7850	45.958	0.0	0.0	0.0
6.00000	66.00000	46.00000	-3.1921	45.958	0.0	0.0	0.0
7.00000	66.00000	46.00000	-4.1671	45.958	0.0	0.0	0.0
8.00000	66.00000	46.00000	-5.3372	45.958	0.0	0.0	0.0
9.00000	66.00000	46.00000	-6.0002	45.958	0.0	0.0	0.0
10.00000	66.00000	46.00000	-5.6688	45.958	0.0	0.0	0.0
11.00000	66.00000	46.00000	-4.4164	45.958	0.0	0.0	0.0
12.00000	66.00000	46.00000	-2.8634	45.958	0.0	0.0	0.0
13.00000	66.00000	46.00000	-1.6609	45.958	0.0	0.0	0.0
14.00000	66.00000	46.00000	-1.2617	45.958	0.0	0.0	0.0
15.00000	66.00000	46.00000	-2.1281	45.958	0.0	0.0	0.0
16.00000	66.00000	46.00000	-3.3857	45.958	0.0	0.0	0.0
17.00000	66.00000	46.00000	-4.2136	45.958	0.0	0.0	0.0
18.00000	66.00000	46.00000	-4.4750	45.958	0.0	0.0	0.0
19.00000	66.00000	46.00000	-4.1365	45.958	0.0	0.0	0.0
20.00000	66.00000	46.00000	-2.9710	45.958	0.0	0.0	0.0
21.00000	66.00000	46.00000	-1.7864	45.958	0.0	0.0	0.0
22.00000	66.00000	46.00000	-1.2409	45.958	0.0	0.0	0.0
23.00000	66.00000	46.00000	-0.95900	45.958	0.0	0.0	0.0
24.00000	66.00000	46.00000	-0.76989	45.958	0.0	0.0	0.0
25.00000	66.00000	46.00000	-0.62935	45.958	0.0	0.0	0.0
26.00000	66.00000	46.00000	-0.52074	45.958	0.0	0.0	0.0
27.00000	66.00000	46.00000	-0.43481	45.958	0.0	0.0	0.0
28.00000	66.00000	46.00000	-0.36561	45.958	0.0	0.0	0.0
29.00000	66.00000	46.00000	-0.30908	45.958	0.0	0.0	0.0
30.00000	66.00000	46.00000	-0.26238	45.958	0.0	0.0	0.0
31.00000	66.00000	46.00000	-0.22343	45.958	0.0	0.0	0.0
32.00000	66.00000	46.00000	-0.19070	45.958	0.0	0.0	0.0
33.00000	66.00000	46.00000	-0.16305	45.958	0.0	0.0	0.0
34.00000	66.00000	46.00000	-0.13956	45.958	0.0	0.0	0.0
35.00000	66.00000	46.00000	-0.11953	45.958	0.0	0.0	0.0
36.00000	66.00000	46.00000	-0.10239	45.958	0.0	0.0	0.0
37.00000	66.00000	46.00000	-0.087686	45.958	0.0	0.0	0.0
38.00000	66.00000	46.00000	-0.075036	45.958	0.0	0.0	0.0
39.00000	66.00000	46.00000	-0.064134	45.958	0.0	0.0	0.0
40.00000	66.00000	46.00000	-0.054722	45.958	0.0	0.0	0.0
41.00000	66.00000	46.00000	-0.046584	45.958	0.0	0.0	0.0 !
42.00000	66.00000	46.00000	-0.039541	45.958	0.0	0.0	0.0 !
43.00000	66.00000	46.00000	-0.033439	45.958	0.0	0.0	0.0 !
44.00000	66.00000	46.00000	-0.028148	45.958	0.0	0.0	0.0 !
45.00000	66.00000	46.00000	-0.023558	45.958	0.0	0.0	0.0 !
46.00000	66.00000	46.00000	-0.019575	45.958	0.0	0.0	0.0 !
47.00000	66.00000	46.00000	-0.016116	45.958	0.0	0.0	0.0 !

48.00000	66.00000	46.00000	-0.013114	45.958	0.0	0.0	0.0	!
49.00000	66.00000	46.00000	-0.010508	45.958	0.0	0.0	0.0	!
50.00000	66.00000	46.00000	-0.0082470	45.958	0.0	0.0	0.0	!
-10.00000	67.00000	46.00000	-0.30707	45.958	0.0	0.0	0.0	
-9.00000	67.00000	46.00000	-0.35656	45.958	0.0	0.0	0.0	
-8.00000	67.00000	46.00000	-0.41442	45.958	0.0	0.0	0.0	
-7.00000	67.00000	46.00000	-0.48226	45.958	0.0	0.0	0.0	
-6.00000	67.00000	46.00000	-0.56209	45.958	0.0	0.0	0.0	
-5.00000	67.00000	46.00000	-0.65645	45.958	0.0	0.0	0.0	
-4.00000	67.00000	46.00000	-0.76868	45.958	0.0	0.0	0.0	
-3.00000	67.00000	46.00000	-0.90335	45.958	0.0	0.0	0.0	
-2.00000	67.00000	46.00000	-1.0671	45.958	0.0	0.0	0.0	
-1.00000	67.00000	46.00000	-1.2699	45.958	0.0	0.0	0.0	
0.00000	67.00000	46.00000	-1.5247	45.958	0.0	0.0	0.0	
1.00000	67.00000	46.00000	-1.8344	45.958	0.0	0.0	0.0	
2.00000	67.00000	46.00000	-2.1368	45.958	0.0	0.0	0.0	
3.00000	67.00000	46.00000	-2.2219	45.958	0.0	0.0	0.0	
4.00000	67.00000	46.00000	-1.9186	45.958	0.0	0.0	0.0	
5.00000	67.00000	46.00000	-1.5894	45.958	0.0	0.0	0.0	
6.00000	67.00000	46.00000	-1.8728	45.958	0.0	0.0	0.0	
7.00000	67.00000	46.00000	-2.9740	45.958	0.0	0.0	0.0	
8.00000	67.00000	46.00000	-4.4885	45.958	0.0	0.0	0.0	
9.00000	67.00000	46.00000	-5.4683	45.958	0.0	0.0	0.0	
10.00000	67.00000	46.00000	-5.2532	45.958	0.0	0.0	0.0	
11.00000	67.00000	46.00000	-3.9925	45.958	0.0	0.0	0.0	
12.00000	67.00000	46.00000	-2.3924	45.958	0.0	0.0	0.0	
13.00000	67.00000	46.00000	-1.0357	45.958	0.0	0.0	0.0	
14.00000	67.00000	46.00000	-0.36256	45.958	0.0	0.0	0.0	
15.00000	67.00000	46.00000	-1.0844	45.958	0.0	0.0	0.0	
16.00000	67.00000	46.00000	-2.8199	45.958	0.0	0.0	0.0	
17.00000	67.00000	46.00000	-4.0201	45.958	0.0	0.0	0.0	
18.00000	67.00000	46.00000	-4.4158	45.958	0.0	0.0	0.0	
19.00000	67.00000	46.00000	-4.1336	45.958	0.0	0.0	0.0	
20.00000	67.00000	46.00000	-2.9923	45.958	0.0	0.0	0.0	
21.00000	67.00000	46.00000	-1.8102	45.958	0.0	0.0	0.0	
22.00000	67.00000	46.00000	-1.2600	45.958	0.0	0.0	0.0	
23.00000	67.00000	46.00000	-0.97343	45.958	0.0	0.0	0.0	
24.00000	67.00000	46.00000	-0.78068	45.958	0.0	0.0	0.0	
25.00000	67.00000	46.00000	-0.63750	45.958	0.0	0.0	0.0	
26.00000	67.00000	46.00000	-0.52699	45.958	0.0	0.0	0.0	
27.00000	67.00000	46.00000	-0.43969	45.958	0.0	0.0	0.0	
28.00000	67.00000	46.00000	-0.36949	45.958	0.0	0.0	0.0	
29.00000	67.00000	46.00000	-0.31220	45.958	0.0	0.0	0.0	
30.00000	67.00000	46.00000	-0.26491	45.958	0.0	0.0	0.0	
31.00000	67.00000	46.00000	-0.22551	45.958	0.0	0.0	0.0	
32.00000	67.00000	46.00000	-0.19243	45.958	0.0	0.0	0.0	
33.00000	67.00000	46.00000	-0.16448	45.958	0.0	0.0	0.0	
34.00000	67.00000	46.00000	-0.14076	45.958	0.0	0.0	0.0	
35.00000	67.00000	46.00000	-0.12053	45.958	0.0	0.0	0.0	
36.00000	67.00000	46.00000	-0.10323	45.958	0.0	0.0	0.0	
37.00000	67.00000	46.00000	-0.088395	45.958	0.0	0.0	0.0	
38.00000	67.00000	46.00000	-0.075634	45.958	0.0	0.0	0.0	
39.00000	67.00000	46.00000	-0.064639	45.958	0.0	0.0	0.0	
40.00000	67.00000	46.00000	-0.055149	45.958	0.0	0.0	0.0	

41.00000	67.00000	46.00000	-0.046946	45.958	0.0	0.0	0.0	!
42.00000	67.00000	46.00000	-0.039847	45.958	0.0	0.0	0.0	!
43.00000	67.00000	46.00000	-0.033699	45.958	0.0	0.0	0.0	!
44.00000	67.00000	46.00000	-0.028368	45.958	0.0	0.0	0.0	!
45.00000	67.00000	46.00000	-0.023745	45.958	0.0	0.0	0.0	!
46.00000	67.00000	46.00000	-0.019733	45.958	0.0	0.0	0.0	!
47.00000	67.00000	46.00000	-0.016251	45.958	0.0	0.0	0.0	!
48.00000	67.00000	46.00000	-0.013228	45.958	0.0	0.0	0.0	!
49.00000	67.00000	46.00000	-0.010605	45.958	0.0	0.0	0.0	!
50.00000	67.00000	46.00000	-0.0083289	45.958	0.0	0.0	0.0	!
-10.00000	68.00000	46.00000	-0.30769	45.958	0.0	0.0	0.0	
-9.00000	68.00000	46.00000	-0.35720	45.958	0.0	0.0	0.0	
-8.00000	68.00000	46.00000	-0.41504	45.958	0.0	0.0	0.0	
-7.00000	68.00000	46.00000	-0.48277	45.958	0.0	0.0	0.0	
-6.00000	68.00000	46.00000	-0.56232	45.958	0.0	0.0	0.0	
-5.00000	68.00000	46.00000	-0.65609	45.958	0.0	0.0	0.0	
-4.00000	68.00000	46.00000	-0.76716	45.958	0.0	0.0	0.0	
-3.00000	68.00000	46.00000	-0.89955	45.958	0.0	0.0	0.0	
-2.00000	68.00000	46.00000	-1.0587	45.958	0.0	0.0	0.0	
-1.00000	68.00000	46.00000	-1.2517	45.958	0.0	0.0	0.0	
0.00000	68.00000	46.00000	-1.4839	45.958	0.0	0.0	0.0	
1.00000	68.00000	46.00000	-1.7383	45.958	0.0	0.0	0.0	
2.00000	68.00000	46.00000	-1.9108	45.958	0.0	0.0	0.0	
3.00000	68.00000	46.00000	-1.7630	45.958	0.0	0.0	0.0	
4.00000	68.00000	46.00000	-1.2420	45.958	0.0	0.0	0.0	
5.00000	68.00000	46.00000	-0.87655	45.958	0.0	0.0	0.0	
6.00000	68.00000	46.00000	-1.2371	45.958	0.0	0.0	0.0	
7.00000	68.00000	46.00000	-2.4384	45.958	0.0	0.0	0.0	
8.00000	68.00000	46.00000	-4.0721	45.958	0.0	0.0	0.0	
9.00000	68.00000	46.00000	-5.1480	45.958	0.0	0.0	0.0	
10.00000	68.00000	46.00000	-4.9476	45.958	0.0	0.0	0.0	
11.00000	68.00000	46.00000	-3.7010	45.958	0.0	0.0	0.0	
12.00000	68.00000	46.00000	-2.1771	45.958	0.0	0.0	0.0	
13.00000	68.00000	46.00000	-0.85413	45.958	0.0	0.0	0.0	
14.00000	68.00000	46.00000	-0.12190	45.958	0.0	0.0	0.0	
15.00000	68.00000	46.00000	-0.79622	45.958	0.0	0.0	0.0	
16.00000	68.00000	46.00000	-2.6621	45.958	0.0	0.0	0.0	
17.00000	68.00000	46.00000	-3.9632	45.958	0.0	0.0	0.0	
18.00000	68.00000	46.00000	-4.3915	45.958	0.0	0.0	0.0	
19.00000	68.00000	46.00000	-4.1217	45.958	0.0	0.0	0.0	
20.00000	68.00000	46.00000	-2.9874	45.958	0.0	0.0	0.0	
21.00000	68.00000	46.00000	-1.8090	45.958	0.0	0.0	0.0	
22.00000	68.00000	46.00000	-1.2605	45.958	0.0	0.0	0.0	
23.00000	68.00000	46.00000	-0.97453	45.958	0.0	0.0	0.0	
24.00000	68.00000	46.00000	-0.78203	45.958	0.0	0.0	0.0	
25.00000	68.00000	46.00000	-0.63890	45.958	0.0	0.0	0.0	
26.00000	68.00000	46.00000	-0.52833	45.958	0.0	0.0	0.0	
27.00000	68.00000	46.00000	-0.44093	45.958	0.0	0.0	0.0	
28.00000	68.00000	46.00000	-0.37061	45.958	0.0	0.0	0.0	
29.00000	68.00000	46.00000	-0.31320	45.958	0.0	0.0	0.0	
30.00000	68.00000	46.00000	-0.26579	45.958	0.0	0.0	0.0	
31.00000	68.00000	46.00000	-0.22628	45.958	0.0	0.0	0.0	
32.00000	68.00000	46.00000	-0.19309	45.958	0.0	0.0	0.0	
33.00000	68.00000	46.00000	-0.16506	45.958	0.0	0.0	0.0	

34.00000	68.00000	46.00000	-0.14125	45.958	0.0	0.0	0.0
35.00000	68.00000	46.00000	-0.12096	45.958	0.0	0.0	0.0
36.00000	68.00000	46.00000	-0.10360	45.958	0.0	0.0	0.0
37.00000	68.00000	46.00000	-0.088708	45.958	0.0	0.0	0.0
38.00000	68.00000	46.00000	-0.075902	45.958	0.0	0.0	0.0
39.00000	68.00000	46.00000	-0.064868	45.958	0.0	0.0	0.0
40.00000	68.00000	46.00000	-0.055344	45.958	0.0	0.0	0.0
41.00000	68.00000	46.00000	-0.047112	45.958	0.0	0.0	0.0 !
42.00000	68.00000	46.00000	-0.039989	45.958	0.0	0.0	0.0 !
43.00000	68.00000	46.00000	-0.033819	45.958	0.0	0.0	0.0 !
44.00000	68.00000	46.00000	-0.028471	45.958	0.0	0.0	0.0 !
45.00000	68.00000	46.00000	-0.023832	45.958	0.0	0.0	0.0 !
46.00000	68.00000	46.00000	-0.019807	45.958	0.0	0.0	0.0 !
47.00000	68.00000	46.00000	-0.016314	45.958	0.0	0.0	0.0 !
48.00000	68.00000	46.00000	-0.013282	45.958	0.0	0.0	0.0 !
49.00000	68.00000	46.00000	-0.010650	45.958	0.0	0.0	0.0 !
50.00000	68.00000	46.00000	-0.0083669	45.958	0.0	0.0	0.0 !
-10.00000	69.00000	46.00000	-0.30772	45.958	0.0	0.0	0.0
-9.00000	69.00000	46.00000	-0.35729	45.958	0.0	0.0	0.0
-8.00000	69.00000	46.00000	-0.41521	45.958	0.0	0.0	0.0
-7.00000	69.00000	46.00000	-0.48304	45.958	0.0	0.0	0.0
-6.00000	69.00000	46.00000	-0.56271	45.958	0.0	0.0	0.0
-5.00000	69.00000	46.00000	-0.65662	45.958	0.0	0.0	0.0
-4.00000	69.00000	46.00000	-0.76778	45.958	0.0	0.0	0.0
-3.00000	69.00000	46.00000	-0.90009	45.958	0.0	0.0	0.0
-2.00000	69.00000	46.00000	-1.0587	45.958	0.0	0.0	0.0
-1.00000	69.00000	46.00000	-1.2495	45.958	0.0	0.0	0.0
0.00000	69.00000	46.00000	-1.4753	45.958	0.0	0.0	0.0
1.00000	69.00000	46.00000	-1.7117	45.958	0.0	0.0	0.0
2.00000	69.00000	46.00000	-1.8408	45.958	0.0	0.0	0.0
3.00000	69.00000	46.00000	-1.6259	45.958	0.0	0.0	0.0
4.00000	69.00000	46.00000	-1.0991	45.958	0.0	0.0	0.0
5.00000	69.00000	46.00000	-0.89176	45.958	0.0	0.0	0.0
6.00000	69.00000	46.00000	-1.4721	45.958	0.0	0.0	0.0
7.00000	69.00000	46.00000	-2.7401	45.958	0.0	0.0	0.0
8.00000	69.00000	46.00000	-4.2471	45.958	0.0	0.0	0.0
9.00000	69.00000	46.00000	-5.1616	45.958	0.0	0.0	0.0
10.00000	69.00000	46.00000	-4.8795	45.958	0.0	0.0	0.0
11.00000	69.00000	46.00000	-3.6859	45.958	0.0	0.0	0.0
12.00000	69.00000	46.00000	-2.3783	45.958	0.0	0.0	0.0
13.00000	69.00000	46.00000	-1.3713	45.958	0.0	0.0	0.0
14.00000	69.00000	46.00000	-0.95317	45.958	0.0	0.0	0.0
15.00000	69.00000	46.00000	-1.7426	45.958	0.0	0.0	0.0
16.00000	69.00000	46.00000	-3.1480	45.958	0.0	0.0	0.0
17.00000	69.00000	46.00000	-4.0945	45.958	0.0	0.0	0.0
18.00000	69.00000	46.00000	-4.4017	45.958	0.0	0.0	0.0
19.00000	69.00000	46.00000	-4.0983	45.958	0.0	0.0	0.0
20.00000	69.00000	46.00000	-2.9593	45.958	0.0	0.0	0.0
21.00000	69.00000	46.00000	-1.7856	45.958	0.0	0.0	0.0
22.00000	69.00000	46.00000	-1.2434	45.958	0.0	0.0	0.0
23.00000	69.00000	46.00000	-0.96275	45.958	0.0	0.0	0.0
24.00000	69.00000	46.00000	-0.77412	45.958	0.0	0.0	0.0
25.00000	69.00000	46.00000	-0.63362	45.958	0.0	0.0	0.0
26.00000	69.00000	46.00000	-0.52481	45.958	0.0	0.0	0.0

27.00000	69.00000	46.00000	-0.43856	45.958	0.0	0.0	0.0
28.00000	69.00000	46.00000	-0.36900	45.958	0.0	0.0	0.0
29.00000	69.00000	46.00000	-0.31209	45.958	0.0	0.0	0.0
30.00000	69.00000	46.00000	-0.26502	45.958	0.0	0.0	0.0
31.00000	69.00000	46.00000	-0.22574	45.958	0.0	0.0	0.0
32.00000	69.00000	46.00000	-0.19271	45.958	0.0	0.0	0.0
33.00000	69.00000	46.00000	-0.16478	45.958	0.0	0.0	0.0
34.00000	69.00000	46.00000	-0.14105	45.958	0.0	0.0	0.0
35.00000	69.00000	46.00000	-0.12081	45.958	0.0	0.0	0.0
36.00000	69.00000	46.00000	-0.10349	45.958	0.0	0.0	0.0
37.00000	69.00000	46.00000	-0.088625	45.958	0.0	0.0	0.0
38.00000	69.00000	46.00000	-0.075839	45.958	0.0	0.0	0.0
39.00000	69.00000	46.00000	-0.064819	45.958	0.0	0.0	0.0
40.00000	69.00000	46.00000	-0.055306	45.958	0.0	0.0	0.0
41.00000	69.00000	46.00000	-0.047083	45.958	0.0	0.0	0.0 !
42.00000	69.00000	46.00000	-0.039965	45.958	0.0	0.0	0.0 !
43.00000	69.00000	46.00000	-0.033800	45.958	0.0	0.0	0.0 !
44.00000	69.00000	46.00000	-0.028455	45.958	0.0	0.0	0.0 !
45.00000	69.00000	46.00000	-0.023819	45.958	0.0	0.0	0.0 !
46.00000	69.00000	46.00000	-0.019796	45.958	0.0	0.0	0.0 !
47.00000	69.00000	46.00000	-0.016304	45.958	0.0	0.0	0.0 !
48.00000	69.00000	46.00000	-0.013274	45.958	0.0	0.0	0.0 !
49.00000	69.00000	46.00000	-0.010643	45.958	0.0	0.0	0.0 !
50.00000	69.00000	46.00000	-0.0083608	45.958	0.0	0.0	0.0 !
-10.00000	70.00000	46.00000	-0.30716	45.958	0.0	0.0	0.0
-9.00000	70.00000	46.00000	-0.35681	45.958	0.0	0.0	0.0
-8.00000	70.00000	46.00000	-0.41490	45.958	0.0	0.0	0.0
-7.00000	70.00000	46.00000	-0.48304	45.958	0.0	0.0	0.0
-6.00000	70.00000	46.00000	-0.56325	45.958	0.0	0.0	0.0
-5.00000	70.00000	46.00000	-0.65804	45.958	0.0	0.0	0.0
-4.00000	70.00000	46.00000	-0.77063	45.958	0.0	0.0	0.0
-3.00000	70.00000	46.00000	-0.90528	45.958	0.0	0.0	0.0
-2.00000	70.00000	46.00000	-1.0677	45.958	0.0	0.0	0.0
-1.00000	70.00000	46.00000	-1.2655	45.958	0.0	0.0	0.0
0.00000	70.00000	46.00000	-1.5045	45.958	0.0	0.0	0.0
1.00000	70.00000	46.00000	-1.7697	45.958	0.0	0.0	0.0
2.00000	70.00000	46.00000	-1.9637	45.958	0.0	0.0	0.0
3.00000	70.00000	46.00000	-1.8755	45.958	0.0	0.0	0.0
4.00000	70.00000	46.00000	-1.5412	45.958	0.0	0.0	0.0
5.00000	70.00000	46.00000	-1.5982	45.958	0.0	0.0	0.0
6.00000	70.00000	46.00000	-2.4362	45.958	0.0	0.0	0.0
7.00000	70.00000	46.00000	-3.6855	45.958	0.0	0.0	0.0
8.00000	70.00000	46.00000	-4.8375	45.958	0.0	0.0	0.0
9.00000	70.00000	46.00000	-5.4026	45.958	0.0	0.0	0.0
10.00000	70.00000	46.00000	-5.0306	45.958	0.0	0.0	0.0
11.00000	70.00000	46.00000	-3.9518	45.958	0.0	0.0	0.0
12.00000	70.00000	46.00000	-2.8461	45.958	0.0	0.0	0.0
13.00000	70.00000	46.00000	-2.0433	45.958	0.0	0.0	0.0
14.00000	70.00000	46.00000	-1.7595	45.958	0.0	0.0	0.0
15.00000	70.00000	46.00000	-2.5469	45.958	0.0	0.0	0.0
16.00000	70.00000	46.00000	-3.5781	45.958	0.0	0.0	0.0
17.00000	70.00000	46.00000	-4.2011	45.958	0.0	0.0	0.0
18.00000	70.00000	46.00000	-4.3728	45.958	0.0	0.0	0.0
19.00000	70.00000	46.00000	-4.0285	45.958	0.0	0.0	0.0

20.00000	70.00000	46.00000	-2.8911	45.958	0.0	0.0	0.0	
21.00000	70.00000	46.00000	-1.7337	45.958	0.0	0.0	0.0	
22.00000	70.00000	46.00000	-1.2072	45.958	0.0	0.0	0.0	
23.00000	70.00000	46.00000	-0.93814	45.958	0.0	0.0	0.0	
24.00000	70.00000	46.00000	-0.75733	45.958	0.0	0.0	0.0	
25.00000	70.00000	46.00000	-0.62205	45.958	0.0	0.0	0.0	
26.00000	70.00000	46.00000	-0.51670	45.958	0.0	0.0	0.0	
27.00000	70.00000	46.00000	-0.43277	45.958	0.0	0.0	0.0	
28.00000	70.00000	46.00000	-0.36478	45.958	0.0	0.0	0.0	
29.00000	70.00000	46.00000	-0.30896	45.958	0.0	0.0	0.0	
30.00000	70.00000	46.00000	-0.26266	45.958	0.0	0.0	0.0	
31.00000	70.00000	46.00000	-0.22392	45.958	0.0	0.0	0.0	
32.00000	70.00000	46.00000	-0.19130	45.958	0.0	0.0	0.0	
33.00000	70.00000	46.00000	-0.16367	45.958	0.0	0.0	0.0	
34.00000	70.00000	46.00000	-0.14017	45.958	0.0	0.0	0.0	
35.00000	70.00000	46.00000	-0.12010	45.958	0.0	0.0	0.0	
36.00000	70.00000	46.00000	-0.10291	45.958	0.0	0.0	0.0	
37.00000	70.00000	46.00000	-0.088151	45.958	0.0	0.0	0.0	
38.00000	70.00000	46.00000	-0.075449	45.958	0.0	0.0	0.0	
39.00000	70.00000	46.00000	-0.064496	45.958	0.0	0.0	0.0	
40.00000	70.00000	46.00000	-0.055038	45.958	0.0	0.0	0.0	
41.00000	70.00000	46.00000	-0.046858	45.958	0.0	0.0	0.0	!
42.00000	70.00000	46.00000	-0.039777	45.958	0.0	0.0	0.0	!
43.00000	70.00000	46.00000	-0.033642	45.958	0.0	0.0	0.0	!
44.00000	70.00000	46.00000	-0.028322	45.958	0.0	0.0	0.0	!
45.00000	70.00000	46.00000	-0.023706	45.958	0.0	0.0	0.0	!
46.00000	70.00000	46.00000	-0.019700	45.958	0.0	0.0	0.0	!
47.00000	70.00000	46.00000	-0.016223	45.958	0.0	0.0	0.0	!
48.00000	70.00000	46.00000	-0.013204	45.958	0.0	0.0	0.0	!
49.00000	70.00000	46.00000	-0.010584	45.958	0.0	0.0	0.0	!
50.00000	70.00000	46.00000	-0.0083106	45.958	0.0	0.0	0.0	!
-10.00000	71.00000	46.00000	-0.30594	45.958	0.0	0.0	0.0	
-9.00000	71.00000	46.00000	-0.35568	45.958	0.0	0.0	0.0	
-8.00000	71.00000	46.00000	-0.41399	45.958	0.0	0.0	0.0	
-7.00000	71.00000	46.00000	-0.48260	45.958	0.0	0.0	0.0	
-6.00000	71.00000	46.00000	-0.56367	45.958	0.0	0.0	0.0	
-5.00000	71.00000	46.00000	-0.65996	45.958	0.0	0.0	0.0	
-4.00000	71.00000	46.00000	-0.77511	45.958	0.0	0.0	0.0	
-3.00000	71.00000	46.00000	-0.91415	45.958	0.0	0.0	0.0	
-2.00000	71.00000	46.00000	-1.0843	45.958	0.0	0.0	0.0	
-1.00000	71.00000	46.00000	-1.2962	45.958	0.0	0.0	0.0	
0.00000	71.00000	46.00000	-1.5637	45.958	0.0	0.0	0.0	
1.00000	71.00000	46.00000	-1.8913	45.958	0.0	0.0	0.0	
2.00000	71.00000	46.00000	-2.2233	45.958	0.0	0.0	0.0	
3.00000	71.00000	46.00000	-2.3924	45.958	0.0	0.0	0.0	
4.00000	71.00000	46.00000	-2.3867	45.958	0.0	0.0	0.0	
5.00000	71.00000	46.00000	-2.7077	45.958	0.0	0.0	0.0	
6.00000	71.00000	46.00000	-3.6233	45.958	0.0	0.0	0.0	
7.00000	71.00000	46.00000	-4.6255	45.958	0.0	0.0	0.0	
8.00000	71.00000	46.00000	-5.2763	45.958	0.0	0.0	0.0	
9.00000	71.00000	46.00000	-5.4981	45.958	0.0	0.0	0.0	
10.00000	71.00000	46.00000	-5.1877	45.958	0.0	0.0	0.0	
11.00000	71.00000	46.00000	-4.3678	45.958	0.0	0.0	0.0	
12.00000	71.00000	46.00000	-3.4046	45.958	0.0	0.0	0.0	



13.00000	71.00000	46.00000	-2.4928	45.958	0.0	0.0	0.0			
14.00000	71.00000	46.00000	-1.8769	45.958	0.0	0.0	0.0			
15.00000	71.00000	46.00000	-2.3959	45.958	0.0	0.0	0.0			
16.00000	71.00000	46.00000	-3.4682	45.958	0.0	0.0	0.0			
17.00000	71.00000	46.00000	-4.0414	45.958	0.0	0.0	0.0			
18.00000	71.00000	46.00000	-4.1507	45.958	0.0	0.0	0.0			
19.00000	71.00000	46.00000	-3.8003	45.958	0.0	0.0	0.0			
20.00000	71.00000	46.00000	-2.7204	45.958	0.0	0.0	0.0			
21.00000	71.00000	46.00000	-1.6340	45.958	0.0	0.0	0.0			
22.00000	71.00000	46.00000	-1.1489	45.958	0.0	0.0	0.0			
23.00000	71.00000	46.00000	-0.90105	45.958	0.0	0.0	0.0			
24.00000	71.00000	46.00000	-0.73249	45.958	0.0	0.0	0.0			
25.00000	71.00000	46.00000	-0.60488	45.958	0.0	0.0	0.0			
26.00000	71.00000	46.00000	-0.50452	45.958	0.0	0.0	0.0			
27.00000	71.00000	46.00000	-0.42392	45.958	0.0	0.0	0.0			
28.00000	71.00000	46.00000	-0.35820	45.958	0.0	0.0	0.0			
29.00000	71.00000	46.00000	-0.30398	45.958	0.0	0.0	0.0			
30.00000	71.00000	46.00000	-0.25881	45.958	0.0	0.0	0.0			
31.00000	71.00000	46.00000	-0.22091	45.958	0.0	0.0	0.0			
32.00000	71.00000	46.00000	-0.18891	45.958	0.0	0.0	0.0			
33.00000	71.00000	46.00000	-0.16176	45.958	0.0	0.0	0.0			
34.00000	71.00000	46.00000	-0.13862	45.958	0.0	0.0	0.0			
35.00000	71.00000	46.00000	-0.11884	45.958	0.0	0.0	0.0			
36.00000	71.00000	46.00000	-0.10188	45.958	0.0	0.0	0.0			
37.00000	71.00000	46.00000	-0.087297	45.958	0.0	0.0	0.0			
38.00000	71.00000	46.00000	-0.074740	45.958	0.0	0.0	0.0			
39.00000	71.00000	46.00000	-0.063905	45.958	0.0	0.0	0.0			
40.00000	71.00000	46.00000	-0.054543	45.958	0.0	0.0	0.0			
41.00000	71.00000	46.00000	-0.046443	45.958	0.0	0.0	0.0	!		
42.00000	71.00000	46.00000	-0.039428	45.958	0.0	0.0	0.0	!		
43.00000	71.00000	46.00000	-0.033347	45.958	0.0	0.0	0.0	!		
44.00000	71.00000	46.00000	-0.028073	45.958	0.0	0.0	0.0	!		
45.00000	71.00000	46.00000	-0.023495	45.958	0.0	0.0	0.0	!		
46.00000	71.00000	46.00000	-0.019521	45.958	0.0	0.0	0.0	!		
47.00000	71.00000	46.00000	-0.016071	45.958	0.0	0.0	0.0	!		
48.00000	71.00000	46.00000	-0.013075	45.958	0.0	0.0	0.0	!		
49.00000	71.00000	46.00000	-0.010474	45.958	0.0	0.0	0.0	!		
50.00000	71.00000	46.00000	-0.0082170	45.958	0.0	0.0	0.0	!		
-10.00000	72.00000	46.00000	-0.30397	45.958	0.0	0.0	0.0			
-9.00000	72.00000	46.00000	-0.35374	45.958	0.0	0.0	0.0			
-8.00000	72.00000	46.00000	-0.41226	45.958	0.0	0.0	0.0			
-7.00000	72.00000	46.00000	-0.48139	45.958	0.0	0.0	0.0			
-6.00000	72.00000	46.00000	-0.56347	45.958	0.0	0.0	0.0			
-5.00000	72.00000	46.00000	-0.66161	45.958	0.0	0.0	0.0			
-4.00000	72.00000	46.00000	-0.78000	45.958	0.0	0.0	0.0			
-3.00000	72.00000	46.00000	-0.92466	45.958	0.0	0.0	0.0			
-2.00000	72.00000	46.00000	-1.1047	45.958	0.0	0.0	0.0			
-1.00000	72.00000	46.00000	-1.3346	45.958	0.0	0.0	0.0			
0.00000	72.00000	46.00000	-1.6369	45.958	0.0	0.0	0.0			
1.00000	72.00000	46.00000	-2.0366	45.958	0.0	0.0	0.0			
2.00000	72.00000	46.00000	-2.5201	45.958	0.0	0.0	0.0			
3.00000	72.00000	46.00000	-2.9682	45.958	0.0	0.0	0.0			
4.00000	72.00000	46.00000	-3.3068	45.958	0.0	0.0	0.0			
5.00000	72.00000	46.00000	-3.8020	45.958	0.0	0.0	0.0			

6.00000	72.00000	46.00000	-4.5513	45.958	0.0	0.0	0.0
7.00000	72.00000	46.00000	-5.0779	45.958	0.0	0.0	0.0
8.00000	72.00000	46.00000	-5.1717	45.958	0.0	0.0	0.0
9.00000	72.00000	46.00000	-5.1718	45.958	0.0	0.0	0.0
10.00000	72.00000	46.00000	-5.1342	45.958	0.0	0.0	0.0
11.00000	72.00000	46.00000	-4.7356	45.958	0.0	0.0	0.0
12.00000	72.00000	46.00000	-3.9519	45.958	0.0	0.0	0.0
13.00000	72.00000	46.00000	-2.9369	45.958	0.0	0.0	0.0
14.00000	72.00000	46.00000	-2.0096	45.958	0.0	0.0	0.0
15.00000	72.00000	46.00000	-2.0777	45.958	0.0	0.0	0.0
16.00000	72.00000	46.00000	-2.8818	45.958	0.0	0.0	0.0
17.00000	72.00000	46.00000	-3.3217	45.958	0.0	0.0	0.0
18.00000	72.00000	46.00000	-3.3716	45.958	0.0	0.0	0.0
19.00000	72.00000	46.00000	-3.0771	45.958	0.0	0.0	0.0
20.00000	72.00000	46.00000	-2.2666	45.958	0.0	0.0	0.0
21.00000	72.00000	46.00000	-1.4538	45.958	0.0	0.0	0.0
22.00000	72.00000	46.00000	-1.0679	45.958	0.0	0.0	0.0
23.00000	72.00000	46.00000	-0.85365	45.958	0.0	0.0	0.0
24.00000	72.00000	46.00000	-0.70128	45.958	0.0	0.0	0.0
25.00000	72.00000	46.00000	-0.58323	45.958	0.0	0.0	0.0
26.00000	72.00000	46.00000	-0.48899	45.958	0.0	0.0	0.0
27.00000	72.00000	46.00000	-0.41248	45.958	0.0	0.0	0.0
28.00000	72.00000	46.00000	-0.34958	45.958	0.0	0.0	0.0
29.00000	72.00000	46.00000	-0.29735	45.958	0.0	0.0	0.0
30.00000	72.00000	46.00000	-0.25364	45.958	0.0	0.0	0.0
31.00000	72.00000	46.00000	-0.21681	45.958	0.0	0.0	0.0
32.00000	72.00000	46.00000	-0.18563	45.958	0.0	0.0	0.0
33.00000	72.00000	46.00000	-0.15910	45.958	0.0	0.0	0.0
34.00000	72.00000	46.00000	-0.13646	45.958	0.0	0.0	0.0
35.00000	72.00000	46.00000	-0.11706	45.958	0.0	0.0	0.0
36.00000	72.00000	46.00000	-0.10041	45.958	0.0	0.0	0.0
37.00000	72.00000	46.00000	-0.086079	45.958	0.0	0.0	0.0
38.00000	72.00000	46.00000	-0.073725	45.958	0.0	0.0	0.0
39.00000	72.00000	46.00000	-0.063056	45.958	0.0	0.0	0.0
40.00000	72.00000	46.00000	-0.053831	45.958	0.0	0.0	0.0
41.00000	72.00000	46.00000	-0.045844	45.958	0.0	0.0	0.0 !
42.00000	72.00000	46.00000	-0.038922	45.958	0.0	0.0	0.0 !
43.00000	72.00000	46.00000	-0.032920	45.958	0.0	0.0	0.0 !
44.00000	72.00000	46.00000	-0.027711	45.958	0.0	0.0	0.0 !
45.00000	72.00000	46.00000	-0.023189	45.958	0.0	0.0	0.0 !
46.00000	72.00000	46.00000	-0.019261	45.958	0.0	0.0	0.0 !
47.00000	72.00000	46.00000	-0.015850	45.958	0.0	0.0	0.0 !
48.00000	72.00000	46.00000	-0.012887	45.958	0.0	0.0	0.0 !
49.00000	72.00000	46.00000	-0.010314	45.958	0.0	0.0	0.0 !
50.00000	72.00000	46.00000	-0.0080809	45.958	0.0	0.0	0.0 !
-10.00000	73.00000	46.00000	-0.30113	45.958	0.0	0.0	0.0
-9.00000	73.00000	46.00000	-0.35082	45.958	0.0	0.0	0.0
-8.00000	73.00000	46.00000	-0.40945	45.958	0.0	0.0	0.0
-7.00000	73.00000	46.00000	-0.47899	45.958	0.0	0.0	0.0
-6.00000	73.00000	46.00000	-0.56201	45.958	0.0	0.0	0.0
-5.00000	73.00000	46.00000	-0.66198	45.958	0.0	0.0	0.0
-4.00000	73.00000	46.00000	-0.78369	45.958	0.0	0.0	0.0
-3.00000	73.00000	46.00000	-0.93418	45.958	0.0	0.0	0.0
-2.00000	73.00000	46.00000	-1.1244	45.958	0.0	0.0	0.0

-1.00000	73.00000	46.00000	-1.3724	45.958	0.0	0.0	0.0
0.00000	73.00000	46.00000	-1.7077	45.958	0.0	0.0	0.0
1.00000	73.00000	46.00000	-2.1695	45.958	0.0	0.0	0.0
2.00000	73.00000	46.00000	-2.7690	45.958	0.0	0.0	0.0
3.00000	73.00000	46.00000	-3.4051	45.958	0.0	0.0	0.0
4.00000	73.00000	46.00000	-3.9504	45.958	0.0	0.0	0.0
5.00000	73.00000	46.00000	-4.5187	45.958	0.0	0.0	0.0
6.00000	73.00000	46.00000	-5.0932	45.958	0.0	0.0	0.0
7.00000	73.00000	46.00000	-5.2189	45.958	0.0	0.0	0.0
8.00000	73.00000	46.00000	-4.8800	45.958	0.0	0.0	0.0
9.00000	73.00000	46.00000	-4.7561	45.958	0.0	0.0	0.0
10.00000	73.00000	46.00000	-4.9926	45.958	0.0	0.0	0.0
11.00000	73.00000	46.00000	-4.9481	45.958	0.0	0.0	0.0
12.00000	73.00000	46.00000	-4.3542	45.958	0.0	0.0	0.0
13.00000	73.00000	46.00000	-3.4489	45.958	0.0	0.0	0.0
14.00000	73.00000	46.00000	-2.5004	45.958	0.0	0.0	0.0
15.00000	73.00000	46.00000	-2.0529	45.958	0.0	0.0	0.0
16.00000	73.00000	46.00000	-2.1599	45.958	0.0	0.0	0.0
17.00000	73.00000	46.00000	-2.2737	45.958	0.0	0.0	0.0
18.00000	73.00000	46.00000	-2.2219	45.958	0.0	0.0	0.0
19.00000	73.00000	46.00000	-2.0093	45.958	0.0	0.0	0.0
20.00000	73.00000	46.00000	-1.6231	45.958	0.0	0.0	0.0
21.00000	73.00000	46.00000	-1.2319	45.958	0.0	0.0	0.0
22.00000	73.00000	46.00000	-0.97660	45.958	0.0	0.0	0.0
23.00000	73.00000	46.00000	-0.80099	45.958	0.0	0.0	0.0
24.00000	73.00000	46.00000	-0.66628	45.958	0.0	0.0	0.0
25.00000	73.00000	46.00000	-0.55859	45.958	0.0	0.0	0.0
26.00000	73.00000	46.00000	-0.47103	45.958	0.0	0.0	0.0
27.00000	73.00000	46.00000	-0.39903	45.958	0.0	0.0	0.0
28.00000	73.00000	46.00000	-0.33929	45.958	0.0	0.0	0.0
29.00000	73.00000	46.00000	-0.28934	45.958	0.0	0.0	0.0
30.00000	73.00000	46.00000	-0.24730	45.958	0.0	0.0	0.0
31.00000	73.00000	46.00000	-0.21175	45.958	0.0	0.0	0.0
32.00000	73.00000	46.00000	-0.18154	45.958	0.0	0.0	0.0
33.00000	73.00000	46.00000	-0.15577	45.958	0.0	0.0	0.0
34.00000	73.00000	46.00000	-0.13372	45.958	0.0	0.0	0.0
35.00000	73.00000	46.00000	-0.11480	45.958	0.0	0.0	0.0
36.00000	73.00000	46.00000	-0.098537	45.958	0.0	0.0	0.0
37.00000	73.00000	46.00000	-0.084520	45.958	0.0	0.0	0.0
38.00000	73.00000	46.00000	-0.072421	45.958	0.0	0.0	0.0
39.00000	73.00000	46.00000	-0.061963	45.958	0.0	0.0	0.0
40.00000	73.00000	46.00000	-0.052911	45.958	0.0	0.0	0.0
41.00000	73.00000	46.00000	-0.045069	45.958	0.0	0.0	0.0 !
42.00000	73.00000	46.00000	-0.038268	45.958	0.0	0.0	0.0 !
43.00000	73.00000	46.00000	-0.032366	45.958	0.0	0.0	0.0 !
44.00000	73.00000	46.00000	-0.027241	45.958	0.0	0.0	0.0 !
45.00000	73.00000	46.00000	-0.022790	45.958	0.0	0.0	0.0 !
46.00000	73.00000	46.00000	-0.018923	45.958	0.0	0.0	0.0 !
47.00000	73.00000	46.00000	-0.015562	45.958	0.0	0.0	0.0 !
48.00000	73.00000	46.00000	-0.012642	45.958	0.0	0.0	0.0 !
49.00000	73.00000	46.00000	-0.010106	45.958	0.0	0.0	0.0 !
50.00000	73.00000	46.00000	-0.0079037	45.958	0.0	0.0	0.0 !
-10.00000	74.00000	46.00000	-0.29729	45.958	0.0	0.0	0.0
-9.00000	74.00000	46.00000	-0.34673	45.958	0.0	0.0	0.0

-8.00000	74.00000	46.00000	-0.40524	45.958	0.0	0.0	0.0
-7.00000	74.00000	46.00000	-0.47493	45.958	0.0	0.0	0.0
-6.00000	74.00000	46.00000	-0.55858	45.958	0.0	0.0	0.0
-5.00000	74.00000	46.00000	-0.65997	45.958	0.0	0.0	0.0
-4.00000	74.00000	46.00000	-0.78446	45.958	0.0	0.0	0.0
-3.00000	74.00000	46.00000	-0.93998	45.958	0.0	0.0	0.0
-2.00000	74.00000	46.00000	-1.1391	45.958	0.0	0.0	0.0
-1.00000	74.00000	46.00000	-1.4025	45.958	0.0	0.0	0.0
0.00000	74.00000	46.00000	-1.7648	45.958	0.0	0.0	0.0
1.00000	74.00000	46.00000	-2.2735	45.958	0.0	0.0	0.0
2.00000	74.00000	46.00000	-2.9503	45.958	0.0	0.0	0.0
3.00000	74.00000	46.00000	-3.6949	45.958	0.0	0.0	0.0
4.00000	74.00000	46.00000	-4.3469	45.958	0.0	0.0	0.0
5.00000	74.00000	46.00000	-4.9603	45.958	0.0	0.0	0.0
6.00000	74.00000	46.00000	-5.4839	45.958	0.0	0.0	0.0
7.00000	74.00000	46.00000	-5.4837	45.958	0.0	0.0	0.0
8.00000	74.00000	46.00000	-5.0088	45.958	0.0	0.0	0.0
9.00000	74.00000	46.00000	-4.8320	45.958	0.0	0.0	0.0
10.00000	74.00000	46.00000	-5.1348	45.958	0.0	0.0	0.0
11.00000	74.00000	46.00000	-5.1982	45.958	0.0	0.0	0.0
12.00000	74.00000	46.00000	-4.7034	45.958	0.0	0.0	0.0
13.00000	74.00000	46.00000	-3.9241	45.958	0.0	0.0	0.0
14.00000	74.00000	46.00000	-3.0246	45.958	0.0	0.0	0.0
15.00000	74.00000	46.00000	-2.3159	45.958	0.0	0.0	0.0
16.00000	74.00000	46.00000	-2.0034	45.958	0.0	0.0	0.0
17.00000	74.00000	46.00000	-1.8544	45.958	0.0	0.0	0.0
18.00000	74.00000	46.00000	-1.6990	45.958	0.0	0.0	0.0
19.00000	74.00000	46.00000	-1.5079	45.958	0.0	0.0	0.0
20.00000	74.00000	46.00000	-1.2884	45.958	0.0	0.0	0.0
21.00000	74.00000	46.00000	-1.0743	45.958	0.0	0.0	0.0
22.00000	74.00000	46.00000	-0.89471	45.958	0.0	0.0	0.0
23.00000	74.00000	46.00000	-0.74918	45.958	0.0	0.0	0.0
24.00000	74.00000	46.00000	-0.63030	45.958	0.0	0.0	0.0
25.00000	74.00000	46.00000	-0.53249	45.958	0.0	0.0	0.0
26.00000	74.00000	46.00000	-0.45153	45.958	0.0	0.0	0.0
27.00000	74.00000	46.00000	-0.38414	45.958	0.0	0.0	0.0
28.00000	74.00000	46.00000	-0.32770	45.958	0.0	0.0	0.0
29.00000	74.00000	46.00000	-0.28019	45.958	0.0	0.0	0.0
30.00000	74.00000	46.00000	-0.23999	45.958	0.0	0.0	0.0
31.00000	74.00000	46.00000	-0.20585	45.958	0.0	0.0	0.0
32.00000	74.00000	46.00000	-0.17673	45.958	0.0	0.0	0.0
33.00000	74.00000	46.00000	-0.15183	45.958	0.0	0.0	0.0
34.00000	74.00000	46.00000	-0.13047	45.958	0.0	0.0	0.0
35.00000	74.00000	46.00000	-0.11211	45.958	0.0	0.0	0.0
36.00000	74.00000	46.00000	-0.096294	45.958	0.0	0.0	0.0
37.00000	74.00000	46.00000	-0.082645	45.958	0.0	0.0	0.0
38.00000	74.00000	46.00000	-0.070849	45.958	0.0	0.0	0.0
39.00000	74.00000	46.00000	-0.060641	45.958	0.0	0.0	0.0
40.00000	74.00000	46.00000	-0.051797	45.958	0.0	0.0	0.0
41.00000	74.00000	46.00000	-0.044128	45.958	0.0	0.0	0.0 !
42.00000	74.00000	46.00000	-0.037472	45.958	0.0	0.0	0.0 !
43.00000	74.00000	46.00000	-0.031692	45.958	0.0	0.0	0.0 !
44.00000	74.00000	46.00000	-0.026670	45.958	0.0	0.0	0.0 !
45.00000	74.00000	46.00000	-0.022305	45.958	0.0	0.0	0.0 !

46.00000	74.00000	46.00000	-0.018510	45.958	0.0	0.0	0.0	!
47.00000	74.00000	46.00000	-0.015211	45.958	0.0	0.0	0.0	!
48.00000	74.00000	46.00000	-0.012344	45.958	0.0	0.0	0.0	!
49.00000	74.00000	46.00000	-0.0098518	45.958	0.0	0.0	0.0	!
50.00000	74.00000	46.00000	-0.0076874	45.958	0.0	0.0	0.0	!
-10.00000	75.00000	46.00000	-0.29234	45.958	0.0	0.0	0.0	
-9.00000	75.00000	46.00000	-0.34127	45.958	0.0	0.0	0.0	
-8.00000	75.00000	46.00000	-0.39935	45.958	0.0	0.0	0.0	
-7.00000	75.00000	46.00000	-0.46878	45.958	0.0	0.0	0.0	
-6.00000	75.00000	46.00000	-0.55249	45.958	0.0	0.0	0.0	
-5.00000	75.00000	46.00000	-0.65453	45.958	0.0	0.0	0.0	
-4.00000	75.00000	46.00000	-0.78068	45.958	0.0	0.0	0.0	
-3.00000	75.00000	46.00000	-0.93959	45.958	0.0	0.0	0.0	
-2.00000	75.00000	46.00000	-1.1450	45.958	0.0	0.0	0.0	
-1.00000	75.00000	46.00000	-1.4197	45.958	0.0	0.0	0.0	
0.00000	75.00000	46.00000	-1.8018	45.958	0.0	0.0	0.0	
1.00000	75.00000	46.00000	-2.3452	45.958	0.0	0.0	0.0	
2.00000	75.00000	46.00000	-3.0815	45.958	0.0	0.0	0.0	
3.00000	75.00000	46.00000	-3.9184	45.958	0.0	0.0	0.0	
4.00000	75.00000	46.00000	-4.6774	45.958	0.0	0.0	0.0	
5.00000	75.00000	46.00000	-5.3611	45.958	0.0	0.0	0.0	
6.00000	75.00000	46.00000	-5.9169	45.958	0.0	0.0	0.0	
7.00000	75.00000	46.00000	-5.9837	45.958	0.0	0.0	0.0	
8.00000	75.00000	46.00000	-5.5953	45.958	0.0	0.0	0.0	
9.00000	75.00000	46.00000	-5.4135	45.958	0.0	0.0	0.0	
10.00000	75.00000	46.00000	-5.6225	45.958	0.0	0.0	0.0	
11.00000	75.00000	46.00000	-5.6161	45.958	0.0	0.0	0.0	
12.00000	75.00000	46.00000	-5.1185	45.958	0.0	0.0	0.0	
13.00000	75.00000	46.00000	-4.3514	45.958	0.0	0.0	0.0	
14.00000	75.00000	46.00000	-3.4146	45.958	0.0	0.0	0.0	
15.00000	75.00000	46.00000	-2.5704	45.958	0.0	0.0	0.0	
16.00000	75.00000	46.00000	-2.0700	45.958	0.0	0.0	0.0	
17.00000	75.00000	46.00000	-1.7750	45.958	0.0	0.0	0.0	
18.00000	75.00000	46.00000	-1.5444	45.958	0.0	0.0	0.0	
19.00000	75.00000	46.00000	-1.3382	45.958	0.0	0.0	0.0	
20.00000	75.00000	46.00000	-1.1486	45.958	0.0	0.0	0.0	
21.00000	75.00000	46.00000	-0.97747	45.958	0.0	0.0	0.0	
22.00000	75.00000	46.00000	-0.82846	45.958	0.0	0.0	0.0	
23.00000	75.00000	46.00000	-0.70184	45.958	0.0	0.0	0.0	
24.00000	75.00000	46.00000	-0.59537	45.958	0.0	0.0	0.0	
25.00000	75.00000	46.00000	-0.50613	45.958	0.0	0.0	0.0	
26.00000	75.00000	46.00000	-0.43127	45.958	0.0	0.0	0.0	
27.00000	75.00000	46.00000	-0.36832	45.958	0.0	0.0	0.0	
28.00000	75.00000	46.00000	-0.31518	45.958	0.0	0.0	0.0	
29.00000	75.00000	46.00000	-0.27016	45.958	0.0	0.0	0.0	
30.00000	75.00000	46.00000	-0.23189	45.958	0.0	0.0	0.0	
31.00000	75.00000	46.00000	-0.19924	45.958	0.0	0.0	0.0	
32.00000	75.00000	46.00000	-0.17131	45.958	0.0	0.0	0.0	
33.00000	75.00000	46.00000	-0.14736	45.958	0.0	0.0	0.0	
34.00000	75.00000	46.00000	-0.12676	45.958	0.0	0.0	0.0	
35.00000	75.00000	46.00000	-0.10902	45.958	0.0	0.0	0.0	
36.00000	75.00000	46.00000	-0.093714	45.958	0.0	0.0	0.0	
37.00000	75.00000	46.00000	-0.080482	45.958	0.0	0.0	0.0	
38.00000	75.00000	46.00000	-0.069031	45.958	0.0	0.0	0.0	

39.00000	75.00000	46.00000	-0.059110	45.958	0.0	0.0	0.0
40.00000	75.00000	46.00000	-0.050504	45.958	0.0	0.0	0.0
41.00000	75.00000	46.00000	-0.043034	45.958	0.0	0.0	0.0 !
42.00000	75.00000	46.00000	-0.036545	45.958	0.0	0.0	0.0 !
43.00000	75.00000	46.00000	-0.030906	45.958	0.0	0.0	0.0 !
44.00000	75.00000	46.00000	-0.026002	45.958	0.0	0.0	0.0 !
45.00000	75.00000	46.00000	-0.021737	45.958	0.0	0.0	0.0 !
46.00000	75.00000	46.00000	-0.018027	45.958	0.0	0.0	0.0 !
47.00000	75.00000	46.00000	-0.014800	45.958	0.0	0.0	0.0 !
48.00000	75.00000	46.00000	-0.011994	45.958	0.0	0.0	0.0 !
49.00000	75.00000	46.00000	-0.0095541	45.958	0.0	0.0	0.0 !
50.00000	75.00000	46.00000	-0.0074339	45.958	0.0	0.0	0.0 !
-10.00000	76.00000	46.00000	-0.28616	45.958	0.0	0.0	0.0
-9.00000	76.00000	46.00000	-0.33429	45.958	0.0	0.0	0.0
-8.00000	76.00000	46.00000	-0.39155	45.958	0.0	0.0	0.0
-7.00000	76.00000	46.00000	-0.46017	45.958	0.0	0.0	0.0
-6.00000	76.00000	46.00000	-0.54318	45.958	0.0	0.0	0.0
-5.00000	76.00000	46.00000	-0.64478	45.958	0.0	0.0	0.0
-4.00000	76.00000	46.00000	-0.77102	45.958	0.0	0.0	0.0
-3.00000	76.00000	46.00000	-0.93099	45.958	0.0	0.0	0.0
-2.00000	76.00000	46.00000	-1.1392	45.958	0.0	0.0	0.0
-1.00000	76.00000	46.00000	-1.4198	45.958	0.0	0.0	0.0
0.00000	76.00000	46.00000	-1.8135	45.958	0.0	0.0	0.0
1.00000	76.00000	46.00000	-2.3799	45.958	0.0	0.0	0.0
2.00000	76.00000	46.00000	-3.1622	45.958	0.0	0.0	0.0
3.00000	76.00000	46.00000	-4.0821	45.958	0.0	0.0	0.0
4.00000	76.00000	46.00000	-4.9482	45.958	0.0	0.0	0.0
5.00000	76.00000	46.00000	-5.7118	45.958	0.0	0.0	0.0
6.00000	76.00000	46.00000	-6.3331	45.958	0.0	0.0	0.0
7.00000	76.00000	46.00000	-6.5443	45.958	0.0	0.0	0.0
8.00000	76.00000	46.00000	-6.3408	45.958	0.0	0.0	0.0
9.00000	76.00000	46.00000	-6.1924	45.958	0.0	0.0	0.0
10.00000	76.00000	46.00000	-6.2512	45.958	0.0	0.0	0.0
11.00000	76.00000	46.00000	-6.0926	45.958	0.0	0.0	0.0
12.00000	76.00000	46.00000	-5.5291	45.958	0.0	0.0	0.0
13.00000	76.00000	46.00000	-4.7107	45.958	0.0	0.0	0.0
14.00000	76.00000	46.00000	-3.6955	45.958	0.0	0.0	0.0
15.00000	76.00000	46.00000	-2.7516	45.958	0.0	0.0	0.0
16.00000	76.00000	46.00000	-2.1447	45.958	0.0	0.0	0.0
17.00000	76.00000	46.00000	-1.7637	45.958	0.0	0.0	0.0
18.00000	76.00000	46.00000	-1.4821	45.958	0.0	0.0	0.0
19.00000	76.00000	46.00000	-1.2563	45.958	0.0	0.0	0.0
20.00000	76.00000	46.00000	-1.0687	45.958	0.0	0.0	0.0
21.00000	76.00000	46.00000	-0.90975	45.958	0.0	0.0	0.0
22.00000	76.00000	46.00000	-0.77445	45.958	0.0	0.0	0.0
23.00000	76.00000	46.00000	-0.65958	45.958	0.0	0.0	0.0
24.00000	76.00000	46.00000	-0.56236	45.958	0.0	0.0	0.0
25.00000	76.00000	46.00000	-0.48022	45.958	0.0	0.0	0.0
26.00000	76.00000	46.00000	-0.41076	45.958	0.0	0.0	0.0
27.00000	76.00000	46.00000	-0.35194	45.958	0.0	0.0	0.0
28.00000	76.00000	46.00000	-0.30199	45.958	0.0	0.0	0.0
29.00000	76.00000	46.00000	-0.25946	45.958	0.0	0.0	0.0
30.00000	76.00000	46.00000	-0.22314	45.958	0.0	0.0	0.0
31.00000	76.00000	46.00000	-0.19205	45.958	0.0	0.0	0.0

32.00000	76.00000	46.00000	-0.16537	45.958	0.0	0.0	0.0
33.00000	76.00000	46.00000	-0.14243	45.958	0.0	0.0	0.0
34.00000	76.00000	46.00000	-0.12266	45.958	0.0	0.0	0.0
35.00000	76.00000	46.00000	-0.10559	45.958	0.0	0.0	0.0
36.00000	76.00000	46.00000	-0.090835	45.958	0.0	0.0	0.0
37.00000	76.00000	46.00000	-0.078062	45.958	0.0	0.0	0.0
38.00000	76.00000	46.00000	-0.066992	45.958	0.0	0.0	0.0
39.00000	76.00000	46.00000	-0.057387	45.958	0.0	0.0	0.0
40.00000	76.00000	46.00000	-0.049047	45.958	0.0	0.0	0.0
41.00000	76.00000	46.00000	-0.041800	45.958	0.0	0.0	0.0 !
42.00000	76.00000	46.00000	-0.035498	45.958	0.0	0.0	0.0 !
43.00000	76.00000	46.00000	-0.030016	45.958	0.0	0.0	0.0 !
44.00000	76.00000	46.00000	-0.025246	45.958	0.0	0.0	0.0 !
45.00000	76.00000	46.00000	-0.021094	45.958	0.0	0.0	0.0 !
46.00000	76.00000	46.00000	-0.017480	45.958	0.0	0.0	0.0 !
47.00000	76.00000	46.00000	-0.014334	45.958	0.0	0.0	0.0 !
48.00000	76.00000	46.00000	-0.011597	45.958	0.0	0.0	0.0 !
49.00000	76.00000	46.00000	-0.0092158	45.958	0.0	0.0	0.0 !
50.00000	76.00000	46.00000	-0.0071458	45.958	0.0	0.0	0.0 !
-10.00000	77.00000	46.00000	-0.27872	45.958	0.0	0.0	0.0
-9.00000	77.00000	46.00000	-0.32570	45.958	0.0	0.0	0.0
-8.00000	77.00000	46.00000	-0.38166	45.958	0.0	0.0	0.0
-7.00000	77.00000	46.00000	-0.44883	45.958	0.0	0.0	0.0
-6.00000	77.00000	46.00000	-0.53024	45.958	0.0	0.0	0.0
-5.00000	77.00000	46.00000	-0.63012	45.958	0.0	0.0	0.0
-4.00000	77.00000	46.00000	-0.75455	45.958	0.0	0.0	0.0
-3.00000	77.00000	46.00000	-0.91276	45.958	0.0	0.0	0.0
-2.00000	77.00000	46.00000	-1.1195	45.958	0.0	0.0	0.0
-1.00000	77.00000	46.00000	-1.3994	45.958	0.0	0.0	0.0
0.00000	77.00000	46.00000	-1.7947	45.958	0.0	0.0	0.0
1.00000	77.00000	46.00000	-2.3684	45.958	0.0	0.0	0.0
2.00000	77.00000	46.00000	-3.1711	45.958	0.0	0.0	0.0
3.00000	77.00000	46.00000	-4.1333	45.958	0.0	0.0	0.0
4.00000	77.00000	46.00000	-5.0564	45.958	0.0	0.0	0.0
5.00000	77.00000	46.00000	-5.8724	45.958	0.0	0.0	0.0
6.00000	77.00000	46.00000	-6.5775	45.958	0.0	0.0	0.0
7.00000	77.00000	46.00000	-6.9792	45.958	0.0	0.0	0.0
8.00000	77.00000	46.00000	-7.0149	45.958	0.0	0.0	0.0
9.00000	77.00000	46.00000	-6.9287	45.958	0.0	0.0	0.0
10.00000	77.00000	46.00000	-6.8078	45.958	0.0	0.0	0.0
11.00000	77.00000	46.00000	-6.4390	45.958	0.0	0.0	0.0
12.00000	77.00000	46.00000	-5.7753	45.958	0.0	0.0	0.0
13.00000	77.00000	46.00000	-4.9254	45.958	0.0	0.0	0.0
14.00000	77.00000	46.00000	-3.8890	45.958	0.0	0.0	0.0
15.00000	77.00000	46.00000	-2.8948	45.958	0.0	0.0	0.0
16.00000	77.00000	46.00000	-2.2089	45.958	0.0	0.0	0.0
17.00000	77.00000	46.00000	-1.7610	45.958	0.0	0.0	0.0
18.00000	77.00000	46.00000	-1.4411	45.958	0.0	0.0	0.0
19.00000	77.00000	46.00000	-1.1994	45.958	0.0	0.0	0.0
20.00000	77.00000	46.00000	-1.0096	45.958	0.0	0.0	0.0
21.00000	77.00000	46.00000	-0.85571	45.958	0.0	0.0	0.0
22.00000	77.00000	46.00000	-0.72821	45.958	0.0	0.0	0.0
23.00000	77.00000	46.00000	-0.62133	45.958	0.0	0.0	0.0
24.00000	77.00000	46.00000	-0.53120	45.958	0.0	0.0	0.0

25.00000	77.00000	46.00000	-0.45494	45.958	0.0	0.0	0.0
26.00000	77.00000	46.00000	-0.39026	45.958	0.0	0.0	0.0
27.00000	77.00000	46.00000	-0.33524	45.958	0.0	0.0	0.0
28.00000	77.00000	46.00000	-0.28834	45.958	0.0	0.0	0.0
29.00000	77.00000	46.00000	-0.24824	45.958	0.0	0.0	0.0
30.00000	77.00000	46.00000	-0.21389	45.958	0.0	0.0	0.0
31.00000	77.00000	46.00000	-0.18439	45.958	0.0	0.0	0.0
32.00000	77.00000	46.00000	-0.15900	45.958	0.0	0.0	0.0
33.00000	77.00000	46.00000	-0.13711	45.958	0.0	0.0	0.0
34.00000	77.00000	46.00000	-0.11821	45.958	0.0	0.0	0.0
35.00000	77.00000	46.00000	-0.10186	45.958	0.0	0.0	0.0
36.00000	77.00000	46.00000	-0.087695	45.958	0.0	0.0	0.0
37.00000	77.00000	46.00000	-0.075415	45.958	0.0	0.0	0.0
38.00000	77.00000	46.00000	-0.064756	45.958	0.0	0.0	0.0
39.00000	77.00000	46.00000	-0.055495	45.958	0.0	0.0	0.0
40.00000	77.00000	46.00000	-0.047444	45.958	0.0	0.0	0.0
41.00000	77.00000	46.00000	-0.040439	45.958	0.0	0.0	0.0 !
42.00000	77.00000	46.00000	-0.034343	45.958	0.0	0.0	0.0 !
43.00000	77.00000	46.00000	-0.029034	45.958	0.0	0.0	0.0 !
44.00000	77.00000	46.00000	-0.024410	45.958	0.0	0.0	0.0 !
45.00000	77.00000	46.00000	-0.020382	45.958	0.0	0.0	0.0 !
46.00000	77.00000	46.00000	-0.016873	45.958	0.0	0.0	0.0 !
47.00000	77.00000	46.00000	-0.013817	45.958	0.0	0.0	0.0 !
48.00000	77.00000	46.00000	-0.011156	45.958	0.0	0.0	0.0 !
49.00000	77.00000	46.00000	-0.0088402	45.958	0.0	0.0	0.0 !
50.00000	77.00000	46.00000	-0.0068257	45.958	0.0	0.0	0.0 !
-10.00000	78.00000	46.00000	-0.26999	45.958	0.0	0.0	0.0
-9.00000	78.00000	46.00000	-0.31547	45.958	0.0	0.0	0.0
-8.00000	78.00000	46.00000	-0.36964	45.958	0.0	0.0	0.0
-7.00000	78.00000	46.00000	-0.43468	45.958	0.0	0.0	0.0
-6.00000	78.00000	46.00000	-0.51352	45.958	0.0	0.0	0.0
-5.00000	78.00000	46.00000	-0.61027	45.958	0.0	0.0	0.0
-4.00000	78.00000	46.00000	-0.73084	45.958	0.0	0.0	0.0
-3.00000	78.00000	46.00000	-0.88419	45.958	0.0	0.0	0.0
-2.00000	78.00000	46.00000	-1.0847	45.958	0.0	0.0	0.0
-1.00000	78.00000	46.00000	-1.3565	45.958	0.0	0.0	0.0
0.00000	78.00000	46.00000	-1.7414	45.958	0.0	0.0	0.0
1.00000	78.00000	46.00000	-2.3024	45.958	0.0	0.0	0.0
2.00000	78.00000	46.00000	-3.0907	45.958	0.0	0.0	0.0
3.00000	78.00000	46.00000	-4.0341	45.958	0.0	0.0	0.0
4.00000	78.00000	46.00000	-4.9328	45.958	0.0	0.0	0.0
5.00000	78.00000	46.00000	-5.7525	45.958	0.0	0.0	0.0
6.00000	78.00000	46.00000	-6.5439	45.958	0.0	0.0	0.0
7.00000	78.00000	46.00000	-7.1249	45.958	0.0	0.0	0.0
8.00000	78.00000	46.00000	-7.3571	45.958	0.0	0.0	0.0
9.00000	78.00000	46.00000	-7.3240	45.958	0.0	0.0	0.0
10.00000	78.00000	46.00000	-7.0608	45.958	0.0	0.0	0.0
11.00000	78.00000	46.00000	-6.5019	45.958	0.0	0.0	0.0
12.00000	78.00000	46.00000	-5.7454	45.958	0.0	0.0	0.0
13.00000	78.00000	46.00000	-4.9294	45.958	0.0	0.0	0.0
14.00000	78.00000	46.00000	-3.9798	45.958	0.0	0.0	0.0
15.00000	78.00000	46.00000	-3.0018	45.958	0.0	0.0	0.0
16.00000	78.00000	46.00000	-2.2525	45.958	0.0	0.0	0.0
17.00000	78.00000	46.00000	-1.7463	45.958	0.0	0.0	0.0



18.00000	78.00000	46.00000	-1.3980	45.958	0.0	0.0	0.0
19.00000	78.00000	46.00000	-1.1469	45.958	0.0	0.0	0.0
20.00000	78.00000	46.00000	-0.95704	45.958	0.0	0.0	0.0
21.00000	78.00000	46.00000	-0.80749	45.958	0.0	0.0	0.0
22.00000	78.00000	46.00000	-0.68608	45.958	0.0	0.0	0.0
23.00000	78.00000	46.00000	-0.58557	45.958	0.0	0.0	0.0
24.00000	78.00000	46.00000	-0.50134	45.958	0.0	0.0	0.0
25.00000	78.00000	46.00000	-0.43020	45.958	0.0	0.0	0.0
26.00000	78.00000	46.00000	-0.36981	45.958	0.0	0.0	0.0
27.00000	78.00000	46.00000	-0.31836	45.958	0.0	0.0	0.0
28.00000	78.00000	46.00000	-0.27436	45.958	0.0	0.0	0.0
29.00000	78.00000	46.00000	-0.23666	45.958	0.0	0.0	0.0
30.00000	78.00000	46.00000	-0.20425	45.958	0.0	0.0	0.0
31.00000	78.00000	46.00000	-0.17635	45.958	0.0	0.0	0.0
32.00000	78.00000	46.00000	-0.15228	45.958	0.0	0.0	0.0
33.00000	78.00000	46.00000	-0.13148	45.958	0.0	0.0	0.0
34.00000	78.00000	46.00000	-0.11347	45.958	0.0	0.0	0.0
35.00000	78.00000	46.00000	-0.097870	45.958	0.0	0.0	0.0
36.00000	78.00000	46.00000	-0.084332	45.958	0.0	0.0	0.0
37.00000	78.00000	46.00000	-0.072572	45.958	0.0	0.0	0.0
38.00000	78.00000	46.00000	-0.062349	45.958	0.0	0.0	0.0
39.00000	78.00000	46.00000	-0.053455	45.958	0.0	0.0	0.0
40.00000	78.00000	46.00000	-0.045712	45.958	0.0	0.0	0.0
41.00000	78.00000	46.00000	-0.038968	45.958	0.0	0.0	0.0 !
42.00000	78.00000	46.00000	-0.033090	45.958	0.0	0.0	0.0 !
43.00000	78.00000	46.00000	-0.027968	45.958	0.0	0.0	0.0 !
44.00000	78.00000	46.00000	-0.023501	45.958	0.0	0.0	0.0 !
45.00000	78.00000	46.00000	-0.019608	45.958	0.0	0.0	0.0 !
46.00000	78.00000	46.00000	-0.016213	45.958	0.0	0.0	0.0 !
47.00000	78.00000	46.00000	-0.013254	45.958	0.0	0.0	0.0 !
48.00000	78.00000	46.00000	-0.010676	45.958	0.0	0.0	0.0 !
49.00000	78.00000	46.00000	-0.0084307	45.958	0.0	0.0	0.0 !
50.00000	78.00000	46.00000	-0.0064766	45.958	0.0	0.0	0.0 !
-10.00000	79.00000	46.00000	-0.26003	45.958	0.0	0.0	0.0
-9.00000	79.00000	46.00000	-0.30365	45.958	0.0	0.0	0.0
-8.00000	79.00000	46.00000	-0.35555	45.958	0.0	0.0	0.0
-7.00000	79.00000	46.00000	-0.41777	45.958	0.0	0.0	0.0
-6.00000	79.00000	46.00000	-0.49309	45.958	0.0	0.0	0.0
-5.00000	79.00000	46.00000	-0.58533	45.958	0.0	0.0	0.0
-4.00000	79.00000	46.00000	-0.70000	45.958	0.0	0.0	0.0
-3.00000	79.00000	46.00000	-0.84539	45.958	0.0	0.0	0.0
-2.00000	79.00000	46.00000	-1.0348	45.958	0.0	0.0	0.0
-1.00000	79.00000	46.00000	-1.2905	45.958	0.0	0.0	0.0
0.00000	79.00000	46.00000	-1.6516	45.958	0.0	0.0	0.0
1.00000	79.00000	46.00000	-2.1781	45.958	0.0	0.0	0.0
2.00000	79.00000	46.00000	-2.9216	45.958	0.0	0.0	0.0
3.00000	79.00000	46.00000	-3.8199	45.958	0.0	0.0	0.0
4.00000	79.00000	46.00000	-4.6864	45.958	0.0	0.0	0.0
5.00000	79.00000	46.00000	-5.4917	45.958	0.0	0.0	0.0
6.00000	79.00000	46.00000	-6.2925	45.958	0.0	0.0	0.0
7.00000	79.00000	46.00000	-6.9217	45.958	0.0	0.0	0.0
8.00000	79.00000	46.00000	-7.2233	45.958	0.0	0.0	0.0
9.00000	79.00000	46.00000	-7.2165	45.958	0.0	0.0	0.0
10.00000	79.00000	46.00000	-6.9142	45.958	0.0	0.0	0.0

11.00000	79.00000	46.00000	-6.3089	45.958	0.0	0.0	0.0
12.00000	79.00000	46.00000	-5.5496	45.958	0.0	0.0	0.0
13.00000	79.00000	46.00000	-4.7879	45.958	0.0	0.0	0.0
14.00000	79.00000	46.00000	-3.9303	45.958	0.0	0.0	0.0
15.00000	79.00000	46.00000	-2.9987	45.958	0.0	0.0	0.0
16.00000	79.00000	46.00000	-2.2276	45.958	0.0	0.0	0.0
17.00000	79.00000	46.00000	-1.6955	45.958	0.0	0.0	0.0
18.00000	79.00000	46.00000	-1.3386	45.958	0.0	0.0	0.0
19.00000	79.00000	46.00000	-1.0888	45.958	0.0	0.0	0.0
20.00000	79.00000	46.00000	-0.90384	45.958	0.0	0.0	0.0
21.00000	79.00000	46.00000	-0.76043	45.958	0.0	0.0	0.0
22.00000	79.00000	46.00000	-0.64539	45.958	0.0	0.0	0.0
23.00000	79.00000	46.00000	-0.55092	45.958	0.0	0.0	0.0
24.00000	79.00000	46.00000	-0.47214	45.958	0.0	0.0	0.0
25.00000	79.00000	46.00000	-0.40575	45.958	0.0	0.0	0.0
26.00000	79.00000	46.00000	-0.34940	45.958	0.0	0.0	0.0
27.00000	79.00000	46.00000	-0.30133	45.958	0.0	0.0	0.0
28.00000	79.00000	46.00000	-0.26016	45.958	0.0	0.0	0.0
29.00000	79.00000	46.00000	-0.22478	45.958	0.0	0.0	0.0
30.00000	79.00000	46.00000	-0.19432	45.958	0.0	0.0	0.0
31.00000	79.00000	46.00000	-0.16802	45.958	0.0	0.0	0.0
32.00000	79.00000	46.00000	-0.14528	45.958	0.0	0.0	0.0
33.00000	79.00000	46.00000	-0.12559	45.958	0.0	0.0	0.0
34.00000	79.00000	46.00000	-0.10851	45.958	0.0	0.0	0.0
35.00000	79.00000	46.00000	-0.093676	45.958	0.0	0.0	0.0
36.00000	79.00000	46.00000	-0.080783	45.958	0.0	0.0	0.0
37.00000	79.00000	46.00000	-0.069566	45.958	0.0	0.0	0.0
38.00000	79.00000	46.00000	-0.059798	45.958	0.0	0.0	0.0
39.00000	79.00000	46.00000	-0.051288	45.958	0.0	0.0	0.0
40.00000	79.00000	46.00000	-0.043870	45.958	0.0	0.0	0.0
41.00000	79.00000	46.00000	-0.037399	45.958	0.0	0.0	0.0 !
42.00000	79.00000	46.00000	-0.031754	45.958	0.0	0.0	0.0 !
43.00000	79.00000	46.00000	-0.026829	45.958	0.0	0.0	0.0 !
44.00000	79.00000	46.00000	-0.022530	45.958	0.0	0.0	0.0 !
45.00000	79.00000	46.00000	-0.018779	45.958	0.0	0.0	0.0 !
46.00000	79.00000	46.00000	-0.015506	45.958	0.0	0.0	0.0 !
47.00000	79.00000	46.00000	-0.012650	45.958	0.0	0.0	0.0 !
48.00000	79.00000	46.00000	-0.010161	45.958	0.0	0.0	0.0 !
49.00000	79.00000	46.00000	-0.0079911	45.958	0.0	0.0	0.0 !
50.00000	79.00000	46.00000	-0.0061016	45.958	0.0	0.0	0.0 !
-10.00000	80.00000	46.00000	-0.24893	45.958	0.0	0.0	0.0
-9.00000	80.00000	46.00000	-0.29037	45.958	0.0	0.0	0.0
-8.00000	80.00000	46.00000	-0.33955	45.958	0.0	0.0	0.0
-7.00000	80.00000	46.00000	-0.39836	45.958	0.0	0.0	0.0
-6.00000	80.00000	46.00000	-0.46930	45.958	0.0	0.0	0.0
-5.00000	80.00000	46.00000	-0.55579	45.958	0.0	0.0	0.0
-4.00000	80.00000	46.00000	-0.66274	45.958	0.0	0.0	0.0
-3.00000	80.00000	46.00000	-0.79740	45.958	0.0	0.0	0.0
-2.00000	80.00000	46.00000	-0.97121	45.958	0.0	0.0	0.0
-1.00000	80.00000	46.00000	-1.2034	45.958	0.0	0.0	0.0
0.00000	80.00000	46.00000	-1.5270	45.958	0.0	0.0	0.0
1.00000	80.00000	46.00000	-1.9946	45.958	0.0	0.0	0.0
2.00000	80.00000	46.00000	-2.6575	45.958	0.0	0.0	0.0
3.00000	80.00000	46.00000	-3.4834	45.958	0.0	0.0	0.0

4.00000	80.00000	46.00000	-4.3231	45.958	0.0	0.0	0.0
5.00000	80.00000	46.00000	-5.0971	45.958	0.0	0.0	0.0
6.00000	80.00000	46.00000	-5.8017	45.958	0.0	0.0	0.0
7.00000	80.00000	46.00000	-6.3327	45.958	0.0	0.0	0.0
8.00000	80.00000	46.00000	-6.5976	45.958	0.0	0.0	0.0
9.00000	80.00000	46.00000	-6.5999	45.958	0.0	0.0	0.0
10.00000	80.00000	46.00000	-6.3453	45.958	0.0	0.0	0.0
11.00000	80.00000	46.00000	-5.8389	45.958	0.0	0.0	0.0
12.00000	80.00000	46.00000	-5.1786	45.958	0.0	0.0	0.0
13.00000	80.00000	46.00000	-4.4642	45.958	0.0	0.0	0.0
14.00000	80.00000	46.00000	-3.6585	45.958	0.0	0.0	0.0
15.00000	80.00000	46.00000	-2.8052	45.958	0.0	0.0	0.0
16.00000	80.00000	46.00000	-2.0916	45.958	0.0	0.0	0.0
17.00000	80.00000	46.00000	-1.5917	45.958	0.0	0.0	0.0
18.00000	80.00000	46.00000	-1.2553	45.958	0.0	0.0	0.0
19.00000	80.00000	46.00000	-1.0201	45.958	0.0	0.0	0.0
20.00000	80.00000	46.00000	-0.84640	45.958	0.0	0.0	0.0
21.00000	80.00000	46.00000	-0.71199	45.958	0.0	0.0	0.0
22.00000	80.00000	46.00000	-0.60448	45.958	0.0	0.0	0.0
23.00000	80.00000	46.00000	-0.51643	45.958	0.0	0.0	0.0
24.00000	80.00000	46.00000	-0.44312	45.958	0.0	0.0	0.0
25.00000	80.00000	46.00000	-0.38139	45.958	0.0	0.0	0.0
26.00000	80.00000	46.00000	-0.32897	45.958	0.0	0.0	0.0
27.00000	80.00000	46.00000	-0.28419	45.958	0.0	0.0	0.0
28.00000	80.00000	46.00000	-0.24578	45.958	0.0	0.0	0.0
29.00000	80.00000	46.00000	-0.21271	45.958	0.0	0.0	0.0
30.00000	80.00000	46.00000	-0.18417	45.958	0.0	0.0	0.0
31.00000	80.00000	46.00000	-0.15948	45.958	0.0	0.0	0.0
32.00000	80.00000	46.00000	-0.13808	45.958	0.0	0.0	0.0
33.00000	80.00000	46.00000	-0.11950	45.958	0.0	0.0	0.0
34.00000	80.00000	46.00000	-0.10336	45.958	0.0	0.0	0.0
35.00000	80.00000	46.00000	-0.089315	45.958	0.0	0.0	0.0
36.00000	80.00000	46.00000	-0.077085	45.958	0.0	0.0	0.0
37.00000	80.00000	46.00000	-0.066425	45.958	0.0	0.0	0.0
38.00000	80.00000	46.00000	-0.057129	45.958	0.0	0.0	0.0
39.00000	80.00000	46.00000	-0.049017	45.958	0.0	0.0	0.0
40.00000	80.00000	46.00000	-0.041935	45.958	0.0	0.0	0.0
41.00000	80.00000	46.00000	-0.035750	45.958	0.0	0.0	0.0 !
42.00000	80.00000	46.00000	-0.030347	45.958	0.0	0.0	0.0 !
43.00000	80.00000	46.00000	-0.025628	45.958	0.0	0.0	0.0 !
44.00000	80.00000	46.00000	-0.021505	45.958	0.0	0.0	0.0 !
45.00000	80.00000	46.00000	-0.017903	45.958	0.0	0.0	0.0 !
46.00000	80.00000	46.00000	-0.014758	45.958	0.0	0.0	0.0 !
47.00000	80.00000	46.00000	-0.012011	45.958	0.0	0.0	0.0 !
48.00000	80.00000	46.00000	-0.0096149	45.958	0.0	0.0	0.0 !
49.00000	80.00000	46.00000	-0.0075250	45.958	0.0	0.0	0.0 !
50.00000	80.00000	46.00000	-0.0057039	45.958	0.0	0.0	0.0 !
-10.00000	81.00000	46.00000	-0.23684	45.958	0.0	0.0	0.0
-9.00000	81.00000	46.00000	-0.27582	45.958	0.0	0.0	0.0
-8.00000	81.00000	46.00000	-0.32193	45.958	0.0	0.0	0.0
-7.00000	81.00000	46.00000	-0.37682	45.958	0.0	0.0	0.0
-6.00000	81.00000	46.00000	-0.44268	45.958	0.0	0.0	0.0
-5.00000	81.00000	46.00000	-0.52247	45.958	0.0	0.0	0.0
-4.00000	81.00000	46.00000	-0.62029	45.958	0.0	0.0	0.0

-3.00000	81.00000	46.00000	-0.74212	45.958	0.0	0.0	0.0
-2.00000	81.00000	46.00000	-0.89707	45.958	0.0	0.0	0.0
-1.00000	81.00000	46.00000	-1.0999	45.958	0.0	0.0	0.0
0.00000	81.00000	46.00000	-1.3754	45.958	0.0	0.0	0.0
1.00000	81.00000	46.00000	-1.7616	45.958	0.0	0.0	0.0
2.00000	81.00000	46.00000	-2.2986	45.958	0.0	0.0	0.0
3.00000	81.00000	46.00000	-2.9761	45.958	0.0	0.0	0.0
4.00000	81.00000	46.00000	-3.6985	45.958	0.0	0.0	0.0
5.00000	81.00000	46.00000	-4.3677	45.958	0.0	0.0	0.0
6.00000	81.00000	46.00000	-4.9270	45.958	0.0	0.0	0.0
7.00000	81.00000	46.00000	-5.3194	45.958	0.0	0.0	0.0
8.00000	81.00000	46.00000	-5.5152	45.958	0.0	0.0	0.0
9.00000	81.00000	46.00000	-5.5196	45.958	0.0	0.0	0.0
10.00000	81.00000	46.00000	-5.3355	45.958	0.0	0.0	0.0
11.00000	81.00000	46.00000	-4.9634	45.958	0.0	0.0	0.0
12.00000	81.00000	46.00000	-4.4400	45.958	0.0	0.0	0.0
13.00000	81.00000	46.00000	-3.8200	45.958	0.0	0.0	0.0
14.00000	81.00000	46.00000	-3.1289	45.958	0.0	0.0	0.0
15.00000	81.00000	46.00000	-2.4350	45.958	0.0	0.0	0.0
16.00000	81.00000	46.00000	-1.8577	45.958	0.0	0.0	0.0
17.00000	81.00000	46.00000	-1.4406	45.958	0.0	0.0	0.0
18.00000	81.00000	46.00000	-1.1498	45.958	0.0	0.0	0.0
19.00000	81.00000	46.00000	-0.94096	45.958	0.0	0.0	0.0
20.00000	81.00000	46.00000	-0.78398	45.958	0.0	0.0	0.0
21.00000	81.00000	46.00000	-0.66133	45.958	0.0	0.0	0.0
22.00000	81.00000	46.00000	-0.56267	45.958	0.0	0.0	0.0
23.00000	81.00000	46.00000	-0.48163	45.958	0.0	0.0	0.0
24.00000	81.00000	46.00000	-0.41402	45.958	0.0	0.0	0.0
25.00000	81.00000	46.00000	-0.35700	45.958	0.0	0.0	0.0
26.00000	81.00000	46.00000	-0.30849	45.958	0.0	0.0	0.0
27.00000	81.00000	46.00000	-0.26698	45.958	0.0	0.0	0.0
28.00000	81.00000	46.00000	-0.23130	45.958	0.0	0.0	0.0
29.00000	81.00000	46.00000	-0.20051	45.958	0.0	0.0	0.0
30.00000	81.00000	46.00000	-0.17387	45.958	0.0	0.0	0.0
31.00000	81.00000	46.00000	-0.15078	45.958	0.0	0.0	0.0
32.00000	81.00000	46.00000	-0.13072	45.958	0.0	0.0	0.0
33.00000	81.00000	46.00000	-0.11327	45.958	0.0	0.0	0.0
34.00000	81.00000	46.00000	-0.098077	45.958	0.0	0.0	0.0
35.00000	81.00000	46.00000	-0.084830	45.958	0.0	0.0	0.0
36.00000	81.00000	46.00000	-0.073272	45.958	0.0	0.0	0.0
37.00000	81.00000	46.00000	-0.063181	45.958	0.0	0.0	0.0
38.00000	81.00000	46.00000	-0.054366	45.958	0.0	0.0	0.0
39.00000	81.00000	46.00000	-0.046661	45.958	0.0	0.0	0.0
40.00000	81.00000	46.00000	-0.039925	45.958	0.0	0.0	0.0
41.00000	81.00000	46.00000	-0.034034	45.958	0.0	0.0	0.0 !
42.00000	81.00000	46.00000	-0.028882	45.958	0.0	0.0	0.0 !
43.00000	81.00000	46.00000	-0.024376	45.958	0.0	0.0	0.0 !
44.00000	81.00000	46.00000	-0.020435	45.958	0.0	0.0	0.0 !
45.00000	81.00000	46.00000	-0.016988	45.958	0.0	0.0	0.0 !
46.00000	81.00000	46.00000	-0.013975	45.958	0.0	0.0	0.0 !
47.00000	81.00000	46.00000	-0.011342	45.958	0.0	0.0	0.0 !
48.00000	81.00000	46.00000	-0.0090432	45.958	0.0	0.0	0.0 !
49.00000	81.00000	46.00000	-0.0070365	45.958	0.0	0.0	0.0 !
50.00000	81.00000	46.00000	-0.0052868	45.958	0.0	0.0	0.0 !

-10.00000	82.00000	46.00000	-0.22396	45.958	0.0	0.0	0.0
-9.00000	82.00000	46.00000	-0.26027	45.958	0.0	0.0	0.0
-8.00000	82.00000	46.00000	-0.30302	45.958	0.0	0.0	0.0
-7.00000	82.00000	46.00000	-0.35364	45.958	0.0	0.0	0.0
-6.00000	82.00000	46.00000	-0.41396	45.958	0.0	0.0	0.0
-5.00000	82.00000	46.00000	-0.48640	45.958	0.0	0.0	0.0
-4.00000	82.00000	46.00000	-0.57425	45.958	0.0	0.0	0.0
-3.00000	82.00000	46.00000	-0.68209	45.958	0.0	0.0	0.0
-2.00000	82.00000	46.00000	-0.81658	45.958	0.0	0.0	0.0
-1.00000	82.00000	46.00000	-0.98782	45.958	0.0	0.0	0.0
0.00000	82.00000	46.00000	-1.2114	45.958	0.0	0.0	0.0
1.00000	82.00000	46.00000	-1.5093	45.958	0.0	0.0	0.0
2.00000	82.00000	46.00000	-1.9025	45.958	0.0	0.0	0.0
3.00000	82.00000	46.00000	-2.3858	45.958	0.0	0.0	0.0
4.00000	82.00000	46.00000	-2.9088	45.958	0.0	0.0	0.0
5.00000	82.00000	46.00000	-3.4014	45.958	0.0	0.0	0.0
6.00000	82.00000	46.00000	-3.8037	45.958	0.0	0.0	0.0
7.00000	82.00000	46.00000	-4.0773	45.958	0.0	0.0	0.0
8.00000	82.00000	46.00000	-4.2135	45.958	0.0	0.0	0.0
9.00000	82.00000	46.00000	-4.2178	45.958	0.0	0.0	0.0
10.00000	82.00000	46.00000	-4.0915	45.958	0.0	0.0	0.0
11.00000	82.00000	46.00000	-3.8326	45.958	0.0	0.0	0.0
12.00000	82.00000	46.00000	-3.4537	45.958	0.0	0.0	0.0
13.00000	82.00000	46.00000	-2.9908	45.958	0.0	0.0	0.0
14.00000	82.00000	46.00000	-2.4871	45.958	0.0	0.0	0.0
15.00000	82.00000	46.00000	-1.9976	45.958	0.0	0.0	0.0
16.00000	82.00000	46.00000	-1.5831	45.958	0.0	0.0	0.0
17.00000	82.00000	46.00000	-1.2663	45.958	0.0	0.0	0.0
18.00000	82.00000	46.00000	-1.0315	45.958	0.0	0.0	0.0
19.00000	82.00000	46.00000	-0.85481	45.958	0.0	0.0	0.0
20.00000	82.00000	46.00000	-0.71789	45.958	0.0	0.0	0.0
21.00000	82.00000	46.00000	-0.60882	45.958	0.0	0.0	0.0
22.00000	82.00000	46.00000	-0.52002	45.958	0.0	0.0	0.0
23.00000	82.00000	46.00000	-0.44649	45.958	0.0	0.0	0.0
24.00000	82.00000	46.00000	-0.38482	45.958	0.0	0.0	0.0
25.00000	82.00000	46.00000	-0.33259	45.958	0.0	0.0	0.0
26.00000	82.00000	46.00000	-0.28802	45.958	0.0	0.0	0.0
27.00000	82.00000	46.00000	-0.24976	45.958	0.0	0.0	0.0
28.00000	82.00000	46.00000	-0.21678	45.958	0.0	0.0	0.0
29.00000	82.00000	46.00000	-0.18825	45.958	0.0	0.0	0.0
30.00000	82.00000	46.00000	-0.16351	45.958	0.0	0.0	0.0
31.00000	82.00000	46.00000	-0.14200	45.958	0.0	0.0	0.0
32.00000	82.00000	46.00000	-0.12328	45.958	0.0	0.0	0.0
33.00000	82.00000	46.00000	-0.10695	45.958	0.0	0.0	0.0
34.00000	82.00000	46.00000	-0.092705	45.958	0.0	0.0	0.0
35.00000	82.00000	46.00000	-0.080259	45.958	0.0	0.0	0.0
36.00000	82.00000	46.00000	-0.069379	45.958	0.0	0.0	0.0
37.00000	82.00000	46.00000	-0.059862	45.958	0.0	0.0	0.0
38.00000	82.00000	46.00000	-0.051534	45.958	0.0	0.0	0.0
39.00000	82.00000	46.00000	-0.044243	45.958	0.0	0.0	0.0
40.00000	82.00000	46.00000	-0.037859	45.958	0.0	0.0	0.0
41.00000	82.00000	46.00000	-0.032268	45.958	0.0	0.0	0.0 !
42.00000	82.00000	46.00000	-0.027371	45.958	0.0	0.0	0.0 !
43.00000	82.00000	46.00000	-0.023083	45.958	0.0	0.0	0.0 !

44.00000	82.00000	46.00000	-0.019328	45.958	0.0	0.0	0.0	!
45.00000	82.00000	46.00000	-0.016041	45.958	0.0	0.0	0.0	!
46.00000	82.00000	46.00000	-0.013165	45.958	0.0	0.0	0.0	!
47.00000	82.00000	46.00000	-0.010649	45.958	0.0	0.0	0.0	!
48.00000	82.00000	46.00000	-0.0084501	45.958	0.0	0.0	0.0	!
49.00000	82.00000	46.00000	-0.0065295	45.958	0.0	0.0	0.0	!
50.00000	82.00000	46.00000	-0.0048536	45.958	0.0	0.0	0.0	!
-10.00000	83.00000	46.00000	-0.21048	45.958	0.0	0.0	0.0	
-9.00000	83.00000	46.00000	-0.24399	45.958	0.0	0.0	0.0	
-8.00000	83.00000	46.00000	-0.28323	45.958	0.0	0.0	0.0	
-7.00000	83.00000	46.00000	-0.32938	45.958	0.0	0.0	0.0	
-6.00000	83.00000	46.00000	-0.38392	45.958	0.0	0.0	0.0	
-5.00000	83.00000	46.00000	-0.44875	45.958	0.0	0.0	0.0	
-4.00000	83.00000	46.00000	-0.52637	45.958	0.0	0.0	0.0	
-3.00000	83.00000	46.00000	-0.62005	45.958	0.0	0.0	0.0	
-2.00000	83.00000	46.00000	-0.73426	45.958	0.0	0.0	0.0	
-1.00000	83.00000	46.00000	-0.87513	45.958	0.0	0.0	0.0	
0.00000	83.00000	46.00000	-1.0510	45.958	0.0	0.0	0.0	
1.00000	83.00000	46.00000	-1.2717	45.958	0.0	0.0	0.0	
2.00000	83.00000	46.00000	-1.5445	45.958	0.0	0.0	0.0	
3.00000	83.00000	46.00000	-1.8635	45.958	0.0	0.0	0.0	
4.00000	83.00000	46.00000	-2.2029	45.958	0.0	0.0	0.0	
5.00000	83.00000	46.00000	-2.5239	45.958	0.0	0.0	0.0	
6.00000	83.00000	46.00000	-2.7877	45.958	0.0	0.0	0.0	
7.00000	83.00000	46.00000	-2.9690	45.958	0.0	0.0	0.0	
8.00000	83.00000	46.00000	-3.0609	45.958	0.0	0.0	0.0	
9.00000	83.00000	46.00000	-3.0646	45.958	0.0	0.0	0.0	
10.00000	83.00000	46.00000	-2.9806	45.958	0.0	0.0	0.0	
11.00000	83.00000	46.00000	-2.8094	45.958	0.0	0.0	0.0	
12.00000	83.00000	46.00000	-2.5593	45.958	0.0	0.0	0.0	
13.00000	83.00000	46.00000	-2.2537	45.958	0.0	0.0	0.0	
14.00000	83.00000	46.00000	-1.9243	45.958	0.0	0.0	0.0	
15.00000	83.00000	46.00000	-1.6045	45.958	0.0	0.0	0.0	
16.00000	83.00000	46.00000	-1.3233	45.958	0.0	0.0	0.0	
17.00000	83.00000	46.00000	-1.0935	45.958	0.0	0.0	0.0	
18.00000	83.00000	46.00000	-0.91125	45.958	0.0	0.0	0.0	
19.00000	83.00000	46.00000	-0.76667	45.958	0.0	0.0	0.0	
20.00000	83.00000	46.00000	-0.65045	45.958	0.0	0.0	0.0	
21.00000	83.00000	46.00000	-0.55559	45.958	0.0	0.0	0.0	
22.00000	83.00000	46.00000	-0.47706	45.958	0.0	0.0	0.0	
23.00000	83.00000	46.00000	-0.41130	45.958	0.0	0.0	0.0	
24.00000	83.00000	46.00000	-0.35568	45.958	0.0	0.0	0.0	
25.00000	83.00000	46.00000	-0.30829	45.958	0.0	0.0	0.0	
26.00000	83.00000	46.00000	-0.26765	45.958	0.0	0.0	0.0	
27.00000	83.00000	46.00000	-0.23262	45.958	0.0	0.0	0.0	
28.00000	83.00000	46.00000	-0.20232	45.958	0.0	0.0	0.0	
29.00000	83.00000	46.00000	-0.17602	45.958	0.0	0.0	0.0	
30.00000	83.00000	46.00000	-0.15314	45.958	0.0	0.0	0.0	
31.00000	83.00000	46.00000	-0.13321	45.958	0.0	0.0	0.0	
32.00000	83.00000	46.00000	-0.11580	45.958	0.0	0.0	0.0	
33.00000	83.00000	46.00000	-0.10059	45.958	0.0	0.0	0.0	
34.00000	83.00000	46.00000	-0.087288	45.958	0.0	0.0	0.0	
35.00000	83.00000	46.00000	-0.075640	45.958	0.0	0.0	0.0	
36.00000	83.00000	46.00000	-0.065437	45.958	0.0	0.0	0.0	

37.00000	83.00000	46.00000	-0.056495	45.958	0.0	0.0	0.0
38.00000	83.00000	46.00000	-0.048656	45.958	0.0	0.0	0.0
39.00000	83.00000	46.00000	-0.041782	45.958	0.0	0.0	0.0
40.00000	83.00000	46.00000	-0.035753	45.958	0.0	0.0	0.0
41.00000	83.00000	46.00000	-0.030465	45.958	0.0	0.0	0.0 !
42.00000	83.00000	46.00000	-0.025827	45.958	0.0	0.0	0.0 !
43.00000	83.00000	46.00000	-0.021761	45.958	0.0	0.0	0.0 !
44.00000	83.00000	46.00000	-0.018195	45.958	0.0	0.0	0.0 !
45.00000	83.00000	46.00000	-0.015070	45.958	0.0	0.0	0.0 !
46.00000	83.00000	46.00000	-0.012333	45.958	0.0	0.0	0.0 !
47.00000	83.00000	46.00000	-0.0099368	45.958	0.0	0.0	0.0 !
48.00000	83.00000	46.00000	-0.0078403	45.958	0.0	0.0	0.0 !
49.00000	83.00000	46.00000	-0.0060078	45.958	0.0	0.0	0.0 !
50.00000	83.00000	46.00000	-0.0044076	45.958	0.0	0.0	0.0 !
-10.00000	84.00000	46.00000	-0.19664	45.958	0.0	0.0	0.0
-9.00000	84.00000	46.00000	-0.22730	45.958	0.0	0.0	0.0
-8.00000	84.00000	46.00000	-0.26297	45.958	0.0	0.0	0.0
-7.00000	84.00000	46.00000	-0.30460	45.958	0.0	0.0	0.0
-6.00000	84.00000	46.00000	-0.35334	45.958	0.0	0.0	0.0
-5.00000	84.00000	46.00000	-0.41064	45.958	0.0	0.0	0.0
-4.00000	84.00000	46.00000	-0.47827	45.958	0.0	0.0	0.0
-3.00000	84.00000	46.00000	-0.55845	45.958	0.0	0.0	0.0
-2.00000	84.00000	46.00000	-0.65393	45.958	0.0	0.0	0.0
-1.00000	84.00000	46.00000	-0.76803	45.958	0.0	0.0	0.0
0.00000	84.00000	46.00000	-0.90455	45.958	0.0	0.0	0.0
1.00000	84.00000	46.00000	-1.0668	45.958	0.0	0.0	0.0
2.00000	84.00000	46.00000	-1.2555	45.958	0.0	0.0	0.0
3.00000	84.00000	46.00000	-1.4650	45.958	0.0	0.0	0.0
4.00000	84.00000	46.00000	-1.6811	45.958	0.0	0.0	0.0
5.00000	84.00000	46.00000	-1.8833	45.958	0.0	0.0	0.0
6.00000	84.00000	46.00000	-2.0506	45.958	0.0	0.0	0.0
7.00000	84.00000	46.00000	-2.1681	45.958	0.0	0.0	0.0
8.00000	84.00000	46.00000	-2.2291	45.958	0.0	0.0	0.0
9.00000	84.00000	46.00000	-2.2320	45.958	0.0	0.0	0.0
10.00000	84.00000	46.00000	-2.1772	45.958	0.0	0.0	0.0
11.00000	84.00000	46.00000	-2.0668	45.958	0.0	0.0	0.0
12.00000	84.00000	46.00000	-1.9075	45.958	0.0	0.0	0.0
13.00000	84.00000	46.00000	-1.7132	45.958	0.0	0.0	0.0
14.00000	84.00000	46.00000	-1.5026	45.958	0.0	0.0	0.0
15.00000	84.00000	46.00000	-1.2941	45.958	0.0	0.0	0.0
16.00000	84.00000	46.00000	-1.1028	45.958	0.0	0.0	0.0
17.00000	84.00000	46.00000	-0.93685	45.958	0.0	0.0	0.0
18.00000	84.00000	46.00000	-0.79722	45.958	0.0	0.0	0.0
19.00000	84.00000	46.00000	-0.68096	45.958	0.0	0.0	0.0
20.00000	84.00000	46.00000	-0.58410	45.958	0.0	0.0	0.0
21.00000	84.00000	46.00000	-0.50298	45.958	0.0	0.0	0.0
22.00000	84.00000	46.00000	-0.43457	45.958	0.0	0.0	0.0
23.00000	84.00000	46.00000	-0.37650	45.958	0.0	0.0	0.0
24.00000	84.00000	46.00000	-0.32690	45.958	0.0	0.0	0.0
25.00000	84.00000	46.00000	-0.28429	45.958	0.0	0.0	0.0
26.00000	84.00000	46.00000	-0.24752	45.958	0.0	0.0	0.0
27.00000	84.00000	46.00000	-0.21567	45.958	0.0	0.0	0.0
28.00000	84.00000	46.00000	-0.18800	45.958	0.0	0.0	0.0
29.00000	84.00000	46.00000	-0.16389	45.958	0.0	0.0	0.0

30.00000	84.00000	46.00000	-0.14285	45.958	0.0	0.0	0.0
31.00000	84.00000	46.00000	-0.12445	45.958	0.0	0.0	0.0
32.00000	84.00000	46.00000	-0.10835	45.958	0.0	0.0	0.0
33.00000	84.00000	46.00000	-0.094239	45.958	0.0	0.0	0.0
34.00000	84.00000	46.00000	-0.081865	45.958	0.0	0.0	0.0
35.00000	84.00000	46.00000	-0.071008	45.958	0.0	0.0	0.0
36.00000	84.00000	46.00000	-0.061477	45.958	0.0	0.0	0.0
37.00000	84.00000	46.00000	-0.053107	45.958	0.0	0.0	0.0
38.00000	84.00000	46.00000	-0.045755	45.958	0.0	0.0	0.0
39.00000	84.00000	46.00000	-0.039297	45.958	0.0	0.0	0.0
40.00000	84.00000	46.00000	-0.033623	45.958	0.0	0.0	0.0
41.00000	84.00000	46.00000	-0.028639	45.958	0.0	0.0	0.0 !
42.00000	84.00000	46.00000	-0.024262	45.958	0.0	0.0	0.0 !
43.00000	84.00000	46.00000	-0.020418	45.958	0.0	0.0	0.0 !
44.00000	84.00000	46.00000	-0.017043	45.958	0.0	0.0	0.0 !
45.00000	84.00000	46.00000	-0.014083	45.958	0.0	0.0	0.0 !
46.00000	84.00000	46.00000	-0.011486	45.958	0.0	0.0	0.0 !
47.00000	84.00000	46.00000	-0.0092109	45.958	0.0	0.0	0.0 !
48.00000	84.00000	46.00000	-0.0072184	45.958	0.0	0.0	0.0 !
49.00000	84.00000	46.00000	-0.0054753	45.958	0.0	0.0	0.0 !
50.00000	84.00000	46.00000	-0.0039521	45.958	0.0	0.0	0.0 !
-10.00000	85.00000	46.00000	-0.18265	45.958	0.0	0.0	0.0
-9.00000	85.00000	46.00000	-0.21047	45.958	0.0	0.0	0.0
-8.00000	85.00000	46.00000	-0.24262	45.958	0.0	0.0	0.0
-7.00000	85.00000	46.00000	-0.27982	45.958	0.0	0.0	0.0
-6.00000	85.00000	46.00000	-0.32295	45.958	0.0	0.0	0.0
-5.00000	85.00000	46.00000	-0.37306	45.958	0.0	0.0	0.0
-4.00000	85.00000	46.00000	-0.43135	45.958	0.0	0.0	0.0
-3.00000	85.00000	46.00000	-0.49922	45.958	0.0	0.0	0.0
-2.00000	85.00000	46.00000	-0.57823	45.958	0.0	0.0	0.0
-1.00000	85.00000	46.00000	-0.66999	45.958	0.0	0.0	0.0
0.00000	85.00000	46.00000	-0.77584	45.958	0.0	0.0	0.0
1.00000	85.00000	46.00000	-0.89629	45.958	0.0	0.0	0.0
2.00000	85.00000	46.00000	-1.0299	45.958	0.0	0.0	0.0
3.00000	85.00000	46.00000	-1.1719	45.958	0.0	0.0	0.0
4.00000	85.00000	46.00000	-1.3139	45.958	0.0	0.0	0.0
5.00000	85.00000	46.00000	-1.4447	45.958	0.0	0.0	0.0
6.00000	85.00000	46.00000	-1.5532	45.958	0.0	0.0	0.0
7.00000	85.00000	46.00000	-1.6303	45.958	0.0	0.0	0.0
8.00000	85.00000	46.00000	-1.6711	45.958	0.0	0.0	0.0
9.00000	85.00000	46.00000	-1.6734	45.958	0.0	0.0	0.0
10.00000	85.00000	46.00000	-1.6374	45.958	0.0	0.0	0.0
11.00000	85.00000	46.00000	-1.5652	45.958	0.0	0.0	0.0
12.00000	85.00000	46.00000	-1.4618	45.958	0.0	0.0	0.0
13.00000	85.00000	46.00000	-1.3355	45.958	0.0	0.0	0.0
14.00000	85.00000	46.00000	-1.1968	45.958	0.0	0.0	0.0
15.00000	85.00000	46.00000	-1.0562	45.958	0.0	0.0	0.0
16.00000	85.00000	46.00000	-0.92229	45.958	0.0	0.0	0.0
17.00000	85.00000	46.00000	-0.80064	45.958	0.0	0.0	0.0
18.00000	85.00000	46.00000	-0.69346	45.958	0.0	0.0	0.0
19.00000	85.00000	46.00000	-0.60061	45.958	0.0	0.0	0.0
20.00000	85.00000	46.00000	-0.52075	45.958	0.0	0.0	0.0
21.00000	85.00000	46.00000	-0.45221	45.958	0.0	0.0	0.0
22.00000	85.00000	46.00000	-0.39333	45.958	0.0	0.0	0.0



23.00000	85.00000	46.00000	-0.34261	45.958	0.0	0.0	0.0
24.00000	85.00000	46.00000	-0.29879	45.958	0.0	0.0	0.0
25.00000	85.00000	46.00000	-0.26081	45.958	0.0	0.0	0.0
26.00000	85.00000	46.00000	-0.22781	45.958	0.0	0.0	0.0
27.00000	85.00000	46.00000	-0.19905	45.958	0.0	0.0	0.0
28.00000	85.00000	46.00000	-0.17393	45.958	0.0	0.0	0.0
29.00000	85.00000	46.00000	-0.15195	45.958	0.0	0.0	0.0
30.00000	85.00000	46.00000	-0.13270	45.958	0.0	0.0	0.0
31.00000	85.00000	46.00000	-0.11581	45.958	0.0	0.0	0.0
32.00000	85.00000	46.00000	-0.10097	45.958	0.0	0.0	0.0
33.00000	85.00000	46.00000	-0.087938	45.958	0.0	0.0	0.0
34.00000	85.00000	46.00000	-0.076478	45.958	0.0	0.0	0.0
35.00000	85.00000	46.00000	-0.066397	45.958	0.0	0.0	0.0
36.00000	85.00000	46.00000	-0.057527	45.958	0.0	0.0	0.0
37.00000	85.00000	46.00000	-0.049722	45.958	0.0	0.0	0.0
38.00000	85.00000	46.00000	-0.042852	45.958	0.0	0.0	0.0
39.00000	85.00000	46.00000	-0.036806	45.958	0.0	0.0	0.0
40.00000	85.00000	46.00000	-0.031486	45.958	0.0	0.0	0.0
41.00000	85.00000	46.00000	-0.026804	45.958	0.0	0.0	0.0 !
42.00000	85.00000	46.00000	-0.022686	45.958	0.0	0.0	0.0 !
43.00000	85.00000	46.00000	-0.019065	45.958	0.0	0.0	0.0 !
44.00000	85.00000	46.00000	-0.015882	45.958	0.0	0.0	0.0 !
45.00000	85.00000	46.00000	-0.013085	45.958	0.0	0.0	0.0 !
46.00000	85.00000	46.00000	-0.010630	45.958	0.0	0.0	0.0 !
47.00000	85.00000	46.00000	-0.0084764	45.958	0.0	0.0	0.0 !
48.00000	85.00000	46.00000	-0.0065886	45.958	0.0	0.0	0.0 !
49.00000	85.00000	46.00000	-0.0049357	45.958	0.0	0.0	0.0 !
50.00000	85.00000	46.00000	-0.0034904	45.958	0.0	0.0	0.0 !
-10.00000	86.00000	46.00000	-0.16873	45.958	0.0	0.0	0.0
-9.00000	86.00000	46.00000	-0.19379	45.958	0.0	0.0	0.0
-8.00000	86.00000	46.00000	-0.22253	45.958	0.0	0.0	0.0
-7.00000	86.00000	46.00000	-0.25550	45.958	0.0	0.0	0.0
-6.00000	86.00000	46.00000	-0.29335	45.958	0.0	0.0	0.0
-5.00000	86.00000	46.00000	-0.33679	45.958	0.0	0.0	0.0
-4.00000	86.00000	46.00000	-0.38661	45.958	0.0	0.0	0.0
-3.00000	86.00000	46.00000	-0.44363	45.958	0.0	0.0	0.0
-2.00000	86.00000	46.00000	-0.50864	45.958	0.0	0.0	0.0
-1.00000	86.00000	46.00000	-0.58226	45.958	0.0	0.0	0.0
0.00000	86.00000	46.00000	-0.66472	45.958	0.0	0.0	0.0
1.00000	86.00000	46.00000	-0.75542	45.958	0.0	0.0	0.0
2.00000	86.00000	46.00000	-0.85253	45.958	0.0	0.0	0.0
3.00000	86.00000	46.00000	-0.95246	45.958	0.0	0.0	0.0
4.00000	86.00000	46.00000	-1.0499	45.958	0.0	0.0	0.0
5.00000	86.00000	46.00000	-1.1384	45.958	0.0	0.0	0.0
6.00000	86.00000	46.00000	-1.2115	45.958	0.0	0.0	0.0
7.00000	86.00000	46.00000	-1.2637	45.958	0.0	0.0	0.0
8.00000	86.00000	46.00000	-1.2915	45.958	0.0	0.0	0.0
9.00000	86.00000	46.00000	-1.2933	45.958	0.0	0.0	0.0
10.00000	86.00000	46.00000	-1.2691	45.958	0.0	0.0	0.0
11.00000	86.00000	46.00000	-1.2204	45.958	0.0	0.0	0.0
12.00000	86.00000	46.00000	-1.1509	45.958	0.0	0.0	0.0
13.00000	86.00000	46.00000	-1.0654	45.958	0.0	0.0	0.0
14.00000	86.00000	46.00000	-0.97025	45.958	0.0	0.0	0.0
15.00000	86.00000	46.00000	-0.87165	45.958	0.0	0.0	0.0

16.00000	86.00000	46.00000	-0.77498	45.958	0.0	0.0	0.0
17.00000	86.00000	46.00000	-0.68411	45.958	0.0	0.0	0.0
18.00000	86.00000	46.00000	-0.60123	45.958	0.0	0.0	0.0
19.00000	86.00000	46.00000	-0.52713	45.958	0.0	0.0	0.0
20.00000	86.00000	46.00000	-0.46167	45.958	0.0	0.0	0.0
21.00000	86.00000	46.00000	-0.40422	45.958	0.0	0.0	0.0
22.00000	86.00000	46.00000	-0.35398	45.958	0.0	0.0	0.0
23.00000	86.00000	46.00000	-0.31007	45.958	0.0	0.0	0.0
24.00000	86.00000	46.00000	-0.27169	45.958	0.0	0.0	0.0
25.00000	86.00000	46.00000	-0.23810	45.958	0.0	0.0	0.0
26.00000	86.00000	46.00000	-0.20868	45.958	0.0	0.0	0.0
27.00000	86.00000	46.00000	-0.18288	45.958	0.0	0.0	0.0
28.00000	86.00000	46.00000	-0.16022	45.958	0.0	0.0	0.0
29.00000	86.00000	46.00000	-0.14029	45.958	0.0	0.0	0.0
30.00000	86.00000	46.00000	-0.12276	45.958	0.0	0.0	0.0
31.00000	86.00000	46.00000	-0.10732	45.958	0.0	0.0	0.0
32.00000	86.00000	46.00000	-0.093721	45.958	0.0	0.0	0.0
33.00000	86.00000	46.00000	-0.081732	45.958	0.0	0.0	0.0
34.00000	86.00000	46.00000	-0.071161	45.958	0.0	0.0	0.0
35.00000	86.00000	46.00000	-0.061838	45.958	0.0	0.0	0.0
36.00000	86.00000	46.00000	-0.053616	45.958	0.0	0.0	0.0
37.00000	86.00000	46.00000	-0.046364	45.958	0.0	0.0	0.0
38.00000	86.00000	46.00000	-0.039968	45.958	0.0	0.0	0.0
39.00000	86.00000	46.00000	-0.034328	45.958	0.0	0.0	0.0
40.00000	86.00000	46.00000	-0.029355	45.958	0.0	0.0	0.0
41.00000	86.00000	46.00000	-0.024972	45.958	0.0	0.0	0.0 !
42.00000	86.00000	46.00000	-0.021111	45.958	0.0	0.0	0.0 !
43.00000	86.00000	46.00000	-0.017711	45.958	0.0	0.0	0.0 !
44.00000	86.00000	46.00000	-0.014718	45.958	0.0	0.0	0.0 !
45.00000	86.00000	46.00000	-0.012085	45.958	0.0	0.0	0.0 !
46.00000	86.00000	46.00000	-0.0097707	45.958	0.0	0.0	0.0 !
47.00000	86.00000	46.00000	-0.0077383	45.958	0.0	0.0	0.0 !
48.00000	86.00000	46.00000	-0.0059553	45.958	0.0	0.0	0.0 !
49.00000	86.00000	46.00000	-0.0043928	45.958	0.0	0.0	0.0 !
50.00000	86.00000	46.00000	-0.0030254	45.958	0.0	0.0	0.0 !
-10.00000	87.00000	46.00000	-0.15507	45.958	0.0	0.0	0.0
-9.00000	87.00000	46.00000	-0.17749	45.958	0.0	0.0	0.0
-8.00000	87.00000	46.00000	-0.20300	45.958	0.0	0.0	0.0
-7.00000	87.00000	46.00000	-0.23203	45.958	0.0	0.0	0.0
-6.00000	87.00000	46.00000	-0.26500	45.958	0.0	0.0	0.0
-5.00000	87.00000	46.00000	-0.30241	45.958	0.0	0.0	0.0
-4.00000	87.00000	46.00000	-0.34473	45.958	0.0	0.0	0.0
-3.00000	87.00000	46.00000	-0.39239	45.958	0.0	0.0	0.0
-2.00000	87.00000	46.00000	-0.44573	45.958	0.0	0.0	0.0
-1.00000	87.00000	46.00000	-0.50485	45.958	0.0	0.0	0.0
0.00000	87.00000	46.00000	-0.56949	45.958	0.0	0.0	0.0
1.00000	87.00000	46.00000	-0.63876	45.958	0.0	0.0	0.0
2.00000	87.00000	46.00000	-0.71098	45.958	0.0	0.0	0.0
3.00000	87.00000	46.00000	-0.78353	45.958	0.0	0.0	0.0
4.00000	87.00000	46.00000	-0.85290	45.958	0.0	0.0	0.0
5.00000	87.00000	46.00000	-0.91510	45.958	0.0	0.0	0.0
6.00000	87.00000	46.00000	-0.96611	45.958	0.0	0.0	0.0
7.00000	87.00000	46.00000	-1.0026	45.958	0.0	0.0	0.0
8.00000	87.00000	46.00000	-1.0221	45.958	0.0	0.0	0.0

9.00000	87.00000	46.00000	-1.0235	45.958	0.0	0.0	0.0
10.00000	87.00000	46.00000	-1.0067	45.958	0.0	0.0	0.0
11.00000	87.00000	46.00000	-0.97293	45.958	0.0	0.0	0.0
12.00000	87.00000	46.00000	-0.92444	45.958	0.0	0.0	0.0
13.00000	87.00000	46.00000	-0.86446	45.958	0.0	0.0	0.0
14.00000	87.00000	46.00000	-0.79683	45.958	0.0	0.0	0.0
15.00000	87.00000	46.00000	-0.72547	45.958	0.0	0.0	0.0
16.00000	87.00000	46.00000	-0.65392	45.958	0.0	0.0	0.0
17.00000	87.00000	46.00000	-0.58492	45.958	0.0	0.0	0.0
18.00000	87.00000	46.00000	-0.52030	45.958	0.0	0.0	0.0
19.00000	87.00000	46.00000	-0.46104	45.958	0.0	0.0	0.0
20.00000	87.00000	46.00000	-0.40751	45.958	0.0	0.0	0.0
21.00000	87.00000	46.00000	-0.35960	45.958	0.0	0.0	0.0
22.00000	87.00000	46.00000	-0.31700	45.958	0.0	0.0	0.0
23.00000	87.00000	46.00000	-0.27924	45.958	0.0	0.0	0.0
24.00000	87.00000	46.00000	-0.24585	45.958	0.0	0.0	0.0
25.00000	87.00000	46.00000	-0.21635	45.958	0.0	0.0	0.0
26.00000	87.00000	46.00000	-0.19030	45.958	0.0	0.0	0.0
27.00000	87.00000	46.00000	-0.16728	45.958	0.0	0.0	0.0
28.00000	87.00000	46.00000	-0.14695	45.958	0.0	0.0	0.0
29.00000	87.00000	46.00000	-0.12898	45.958	0.0	0.0	0.0
30.00000	87.00000	46.00000	-0.11310	45.958	0.0	0.0	0.0
31.00000	87.00000	46.00000	-0.099059	45.958	0.0	0.0	0.0
32.00000	87.00000	46.00000	-0.086641	45.958	0.0	0.0	0.0
33.00000	87.00000	46.00000	-0.075660	45.958	0.0	0.0	0.0
34.00000	87.00000	46.00000	-0.065948	45.958	0.0	0.0	0.0
35.00000	87.00000	46.00000	-0.057360	45.958	0.0	0.0	0.0
36.00000	87.00000	46.00000	-0.049766	45.958	0.0	0.0	0.0
37.00000	87.00000	46.00000	-0.043053	45.958	0.0	0.0	0.0
38.00000	87.00000	46.00000	-0.037119	45.958	0.0	0.0	0.0
39.00000	87.00000	46.00000	-0.031876	45.958	0.0	0.0	0.0
40.00000	87.00000	46.00000	-0.027245	45.958	0.0	0.0	0.0
41.00000	87.00000	46.00000	-0.023156	45.958	0.0	0.0	0.0 !
42.00000	87.00000	46.00000	-0.019547	45.958	0.0	0.0	0.0 !
43.00000	87.00000	46.00000	-0.016364	45.958	0.0	0.0	0.0 !
44.00000	87.00000	46.00000	-0.013559	45.958	0.0	0.0	0.0 !
45.00000	87.00000	46.00000	-0.011088	45.958	0.0	0.0	0.0 !
46.00000	87.00000	46.00000	-0.0089132	45.958	0.0	0.0	0.0 !
47.00000	87.00000	46.00000	-0.0070014	45.958	0.0	0.0	0.0 !
48.00000	87.00000	46.00000	-0.0053224	45.958	0.0	0.0	0.0 !
49.00000	87.00000	46.00000	-0.0038499	45.958	0.0	0.0	0.0 !
50.00000	87.00000	46.00000	-0.0025602	45.958	0.0	0.0	0.0 !
-10.00000	88.00000	46.00000	-0.14181	45.958	0.0	0.0	0.0
-9.00000	88.00000	46.00000	-0.16175	45.958	0.0	0.0	0.0
-8.00000	88.00000	46.00000	-0.18427	45.958	0.0	0.0	0.0
-7.00000	88.00000	46.00000	-0.20967	45.958	0.0	0.0	0.0
-6.00000	88.00000	46.00000	-0.23824	45.958	0.0	0.0	0.0
-5.00000	88.00000	46.00000	-0.27029	45.958	0.0	0.0	0.0
-4.00000	88.00000	46.00000	-0.30608	45.958	0.0	0.0	0.0
-3.00000	88.00000	46.00000	-0.34580	45.958	0.0	0.0	0.0
-2.00000	88.00000	46.00000	-0.38953	45.958	0.0	0.0	0.0
-1.00000	88.00000	46.00000	-0.43712	45.958	0.0	0.0	0.0
0.00000	88.00000	46.00000	-0.48812	45.958	0.0	0.0	0.0
1.00000	88.00000	46.00000	-0.54166	45.958	0.0	0.0	0.0

2.00000	88.00000	46.00000	-0.59635	45.958	0.0	0.0	0.0
3.00000	88.00000	46.00000	-0.65027	45.958	0.0	0.0	0.0
4.00000	88.00000	46.00000	-0.70105	45.958	0.0	0.0	0.0
5.00000	88.00000	46.00000	-0.74606	45.958	0.0	0.0	0.0
6.00000	88.00000	46.00000	-0.78274	45.958	0.0	0.0	0.0
7.00000	88.00000	46.00000	-0.80888	45.958	0.0	0.0	0.0
8.00000	88.00000	46.00000	-0.82291	45.958	0.0	0.0	0.0
9.00000	88.00000	46.00000	-0.82399	45.958	0.0	0.0	0.0
10.00000	88.00000	46.00000	-0.81209	45.958	0.0	0.0	0.0
11.00000	88.00000	46.00000	-0.78801	45.958	0.0	0.0	0.0
12.00000	88.00000	46.00000	-0.75325	45.958	0.0	0.0	0.0
13.00000	88.00000	46.00000	-0.70993	45.958	0.0	0.0	0.0
14.00000	88.00000	46.00000	-0.66054	45.958	0.0	0.0	0.0
15.00000	88.00000	46.00000	-0.60766	45.958	0.0	0.0	0.0
16.00000	88.00000	46.00000	-0.55368	45.958	0.0	0.0	0.0
17.00000	88.00000	46.00000	-0.50057	45.958	0.0	0.0	0.0
18.00000	88.00000	46.00000	-0.44978	45.958	0.0	0.0	0.0
19.00000	88.00000	46.00000	-0.40225	45.958	0.0	0.0	0.0
20.00000	88.00000	46.00000	-0.35849	45.958	0.0	0.0	0.0
21.00000	88.00000	46.00000	-0.31865	45.958	0.0	0.0	0.0
22.00000	88.00000	46.00000	-0.28268	45.958	0.0	0.0	0.0
23.00000	88.00000	46.00000	-0.25038	45.958	0.0	0.0	0.0
24.00000	88.00000	46.00000	-0.22150	45.958	0.0	0.0	0.0
25.00000	88.00000	46.00000	-0.19574	45.958	0.0	0.0	0.0
26.00000	88.00000	46.00000	-0.17279	45.958	0.0	0.0	0.0
27.00000	88.00000	46.00000	-0.15237	45.958	0.0	0.0	0.0
28.00000	88.00000	46.00000	-0.13423	45.958	0.0	0.0	0.0
29.00000	88.00000	46.00000	-0.11810	45.958	0.0	0.0	0.0
30.00000	88.00000	46.00000	-0.10378	45.958	0.0	0.0	0.0
31.00000	88.00000	46.00000	-0.091062	45.958	0.0	0.0	0.0
32.00000	88.00000	46.00000	-0.079775	45.958	0.0	0.0	0.0
33.00000	88.00000	46.00000	-0.069758	45.958	0.0	0.0	0.0
34.00000	88.00000	46.00000	-0.060871	45.958	0.0	0.0	0.0
35.00000	88.00000	46.00000	-0.052990	45.958	0.0	0.0	0.0
36.00000	88.00000	46.00000	-0.046002	45.958	0.0	0.0	0.0
37.00000	88.00000	46.00000	-0.039810	45.958	0.0	0.0	0.0
38.00000	88.00000	46.00000	-0.034324	45.958	0.0	0.0	0.0
39.00000	88.00000	46.00000	-0.029466	45.958	0.0	0.0	0.0
40.00000	88.00000	46.00000	-0.025167	45.958	0.0	0.0	0.0
41.00000	88.00000	46.00000	-0.021364	45.958	0.0	0.0	0.0 !
42.00000	88.00000	46.00000	-0.018003	45.958	0.0	0.0	0.0 !
43.00000	88.00000	46.00000	-0.015033	45.958	0.0	0.0	0.0 !
44.00000	88.00000	46.00000	-0.012412	45.958	0.0	0.0	0.0 !
45.00000	88.00000	46.00000	-0.010100	45.958	0.0	0.0	0.0 !
46.00000	88.00000	46.00000	-0.0080628	45.958	0.0	0.0	0.0 !
47.00000	88.00000	46.00000	-0.0062699	45.958	0.0	0.0	0.0 !
48.00000	88.00000	46.00000	-0.0046938	45.958	0.0	0.0	0.0 !
49.00000	88.00000	46.00000	-0.0033102	45.958	0.0	0.0	0.0 !
50.00000	88.00000	46.00000	-0.0020975	45.958	0.0	0.0	0.0 !
-10.00000	89.00000	46.00000	-0.12908	45.958	0.0	0.0	0.0
-9.00000	89.00000	46.00000	-0.14673	45.958	0.0	0.0	0.0
-8.00000	89.00000	46.00000	-0.16651	45.958	0.0	0.0	0.0
-7.00000	89.00000	46.00000	-0.18862	45.958	0.0	0.0	0.0
-6.00000	89.00000	46.00000	-0.21327	45.958	0.0	0.0	0.0

-5.00000	89.00000	46.00000	-0.24062	45.958	0.0	0.0	0.0
-4.00000	89.00000	46.00000	-0.27081	45.958	0.0	0.0	0.0
-3.00000	89.00000	46.00000	-0.30386	45.958	0.0	0.0	0.0
-2.00000	89.00000	46.00000	-0.33973	45.958	0.0	0.0	0.0
-1.00000	89.00000	46.00000	-0.37815	45.958	0.0	0.0	0.0
0.00000	89.00000	46.00000	-0.41865	45.958	0.0	0.0	0.0
1.00000	89.00000	46.00000	-0.46045	45.958	0.0	0.0	0.0
2.00000	89.00000	46.00000	-0.50246	45.958	0.0	0.0	0.0
3.00000	89.00000	46.00000	-0.54327	45.958	0.0	0.0	0.0
4.00000	89.00000	46.00000	-0.58122	45.958	0.0	0.0	0.0
5.00000	89.00000	46.00000	-0.61454	45.958	0.0	0.0	0.0
6.00000	89.00000	46.00000	-0.64152	45.958	0.0	0.0	0.0
7.00000	89.00000	46.00000	-0.66069	45.958	0.0	0.0	0.0
8.00000	89.00000	46.00000	-0.67099	45.958	0.0	0.0	0.0
9.00000	89.00000	46.00000	-0.67184	45.958	0.0	0.0	0.0
10.00000	89.00000	46.00000	-0.66322	45.958	0.0	0.0	0.0
11.00000	89.00000	46.00000	-0.64567	45.958	0.0	0.0	0.0
12.00000	89.00000	46.00000	-0.62019	45.958	0.0	0.0	0.0
13.00000	89.00000	46.00000	-0.58821	45.958	0.0	0.0	0.0
14.00000	89.00000	46.00000	-0.55139	45.958	0.0	0.0	0.0
15.00000	89.00000	46.00000	-0.51148	45.958	0.0	0.0	0.0
16.00000	89.00000	46.00000	-0.47013	45.958	0.0	0.0	0.0
17.00000	89.00000	46.00000	-0.42880	45.958	0.0	0.0	0.0
18.00000	89.00000	46.00000	-0.38859	45.958	0.0	0.0	0.0
19.00000	89.00000	46.00000	-0.35033	45.958	0.0	0.0	0.0
20.00000	89.00000	46.00000	-0.31453	45.958	0.0	0.0	0.0
21.00000	89.00000	46.00000	-0.28144	45.958	0.0	0.0	0.0
22.00000	89.00000	46.00000	-0.25116	45.958	0.0	0.0	0.0
23.00000	89.00000	46.00000	-0.22364	45.958	0.0	0.0	0.0
24.00000	89.00000	46.00000	-0.19876	45.958	0.0	0.0	0.0
25.00000	89.00000	46.00000	-0.17636	45.958	0.0	0.0	0.0
26.00000	89.00000	46.00000	-0.15625	45.958	0.0	0.0	0.0
27.00000	89.00000	46.00000	-0.13823	45.958	0.0	0.0	0.0
28.00000	89.00000	46.00000	-0.12211	45.958	0.0	0.0	0.0
29.00000	89.00000	46.00000	-0.10770	45.958	0.0	0.0	0.0
30.00000	89.00000	46.00000	-0.094843	45.958	0.0	0.0	0.0
31.00000	89.00000	46.00000	-0.083376	45.958	0.0	0.0	0.0
32.00000	89.00000	46.00000	-0.073157	45.958	0.0	0.0	0.0
33.00000	89.00000	46.00000	-0.064056	45.958	0.0	0.0	0.0
34.00000	89.00000	46.00000	-0.055955	45.958	0.0	0.0	0.0
35.00000	89.00000	46.00000	-0.048749	45.958	0.0	0.0	0.0
36.00000	89.00000	46.00000	-0.042343	45.958	0.0	0.0	0.0
37.00000	89.00000	46.00000	-0.036651	45.958	0.0	0.0	0.0
38.00000	89.00000	46.00000	-0.031596	45.958	0.0	0.0	0.0
39.00000	89.00000	46.00000	-0.027111	45.958	0.0	0.0	0.0
40.00000	89.00000	46.00000	-0.023133	45.958	0.0	0.0	0.0
41.00000	89.00000	46.00000	-0.019608	45.958	0.0	0.0	0.0 !
42.00000	89.00000	46.00000	-0.016487	45.958	0.0	0.0	0.0 !
43.00000	89.00000	46.00000	-0.013725	45.958	0.0	0.0	0.0 !
44.00000	89.00000	46.00000	-0.011283	45.958	0.0	0.0	0.0 !
45.00000	89.00000	46.00000	-0.0091267	45.958	0.0	0.0	0.0 !
46.00000	89.00000	46.00000	-0.0072243	45.958	0.0	0.0	0.0 !
47.00000	89.00000	46.00000	-0.0055479	45.958	0.0	0.0	0.0 !
48.00000	89.00000	46.00000	-0.0040728	45.958	0.0	0.0	0.0 !

49.00000	89.00000	46.00000	-0.0027767	45.958	0.0	0.0	0.0	!
50.00000	89.00000	46.00000	-0.0016399	45.958	0.0	0.0	0.0	!
-10.00000	90.00000	46.00000	-0.11699	45.958	0.0	0.0	0.0	
-9.00000	90.00000	46.00000	-0.13253	45.958	0.0	0.0	0.0	
-8.00000	90.00000	46.00000	-0.14983	45.958	0.0	0.0	0.0	
-7.00000	90.00000	46.00000	-0.16901	45.958	0.0	0.0	0.0	
-6.00000	90.00000	46.00000	-0.19020	45.958	0.0	0.0	0.0	
-5.00000	90.00000	46.00000	-0.21348	45.958	0.0	0.0	0.0	
-4.00000	90.00000	46.00000	-0.23888	45.958	0.0	0.0	0.0	
-3.00000	90.00000	46.00000	-0.26638	45.958	0.0	0.0	0.0	
-2.00000	90.00000	46.00000	-0.29583	45.958	0.0	0.0	0.0	
-1.00000	90.00000	46.00000	-0.32696	45.958	0.0	0.0	0.0	
0.00000	90.00000	46.00000	-0.35931	45.958	0.0	0.0	0.0	
1.00000	90.00000	46.00000	-0.39224	45.958	0.0	0.0	0.0	
2.00000	90.00000	46.00000	-0.42490	45.958	0.0	0.0	0.0	
3.00000	90.00000	46.00000	-0.45623	45.958	0.0	0.0	0.0	
4.00000	90.00000	46.00000	-0.48507	45.958	0.0	0.0	0.0	
5.00000	90.00000	46.00000	-0.51018	45.958	0.0	0.0	0.0	
6.00000	90.00000	46.00000	-0.53039	45.958	0.0	0.0	0.0	
7.00000	90.00000	46.00000	-0.54471	45.958	0.0	0.0	0.0	
8.00000	90.00000	46.00000	-0.55240	45.958	0.0	0.0	0.0	
9.00000	90.00000	46.00000	-0.55308	45.958	0.0	0.0	0.0	
10.00000	90.00000	46.00000	-0.54673	45.958	0.0	0.0	0.0	
11.00000	90.00000	46.00000	-0.53369	45.958	0.0	0.0	0.0	
12.00000	90.00000	46.00000	-0.51468	45.958	0.0	0.0	0.0	
13.00000	90.00000	46.00000	-0.49065	45.958	0.0	0.0	0.0	
14.00000	90.00000	46.00000	-0.46275	45.958	0.0	0.0	0.0	
15.00000	90.00000	46.00000	-0.43218	45.958	0.0	0.0	0.0	
16.00000	90.00000	46.00000	-0.40014	45.958	0.0	0.0	0.0	
17.00000	90.00000	46.00000	-0.36766	45.958	0.0	0.0	0.0	
18.00000	90.00000	46.00000	-0.33563	45.958	0.0	0.0	0.0	
19.00000	90.00000	46.00000	-0.30471	45.958	0.0	0.0	0.0	
20.00000	90.00000	46.00000	-0.27537	45.958	0.0	0.0	0.0	
21.00000	90.00000	46.00000	-0.24789	45.958	0.0	0.0	0.0	
22.00000	90.00000	46.00000	-0.22244	45.958	0.0	0.0	0.0	
23.00000	90.00000	46.00000	-0.19906	45.958	0.0	0.0	0.0	
24.00000	90.00000	46.00000	-0.17771	45.958	0.0	0.0	0.0	
25.00000	90.00000	46.00000	-0.15831	45.958	0.0	0.0	0.0	
26.00000	90.00000	46.00000	-0.14075	45.958	0.0	0.0	0.0	
27.00000	90.00000	46.00000	-0.12491	45.958	0.0	0.0	0.0	
28.00000	90.00000	46.00000	-0.11065	45.958	0.0	0.0	0.0	
29.00000	90.00000	46.00000	-0.097830	45.958	0.0	0.0	0.0	
30.00000	90.00000	46.00000	-0.086334	45.958	0.0	0.0	0.0	
31.00000	90.00000	46.00000	-0.076035	45.958	0.0	0.0	0.0	
32.00000	90.00000	46.00000	-0.066819	45.958	0.0	0.0	0.0	
33.00000	90.00000	46.00000	-0.058581	45.958	0.0	0.0	0.0	
34.00000	90.00000	46.00000	-0.051224	45.958	0.0	0.0	0.0	
35.00000	90.00000	46.00000	-0.044659	45.958	0.0	0.0	0.0	
36.00000	90.00000	46.00000	-0.038805	45.958	0.0	0.0	0.0	
37.00000	90.00000	46.00000	-0.033591	45.958	0.0	0.0	0.0	
38.00000	90.00000	46.00000	-0.028950	45.958	0.0	0.0	0.0	
39.00000	90.00000	46.00000	-0.024822	45.958	0.0	0.0	0.0	
40.00000	90.00000	46.00000	-0.021154	45.958	0.0	0.0	0.0	
41.00000	90.00000	46.00000	-0.017896	45.958	0.0	0.0	0.0	!

42.00000	90.00000	46.00000	-0.015007	45.958	0.0	0.0	0.0	!
43.00000	90.00000	46.00000	-0.012446	45.958	0.0	0.0	0.0	!
44.00000	90.00000	46.00000	-0.010178	45.958	0.0	0.0	0.0	!
45.00000	90.00000	46.00000	-0.0081731	45.958	0.0	0.0	0.0	!
46.00000	90.00000	46.00000	-0.0064018	45.958	0.0	0.0	0.0	!
47.00000	90.00000	46.00000	-0.0048392	45.958	0.0	0.0	0.0	!
48.00000	90.00000	46.00000	-0.0034628	45.958	0.0	0.0	0.0	!
49.00000	90.00000	46.00000	-0.0022524	45.958	0.0	0.0	0.0	!
50.00000	90.00000	46.00000	-0.0011898	45.958	0.0	0.0	0.0	!
-10.00000	91.00000	46.00000	-0.10559	45.958	0.0	0.0	0.0	
-9.00000	91.00000	46.00000	-0.11923	45.958	0.0	0.0	0.0	
-8.00000	91.00000	46.00000	-0.13430	45.958	0.0	0.0	0.0	
-7.00000	91.00000	46.00000	-0.15088	45.958	0.0	0.0	0.0	
-6.00000	91.00000	46.00000	-0.16905	45.958	0.0	0.0	0.0	
-5.00000	91.00000	46.00000	-0.18882	45.958	0.0	0.0	0.0	
-4.00000	91.00000	46.00000	-0.21019	45.958	0.0	0.0	0.0	
-3.00000	91.00000	46.00000	-0.23307	45.958	0.0	0.0	0.0	
-2.00000	91.00000	46.00000	-0.25730	45.958	0.0	0.0	0.0	
-1.00000	91.00000	46.00000	-0.28260	45.958	0.0	0.0	0.0	
0.00000	91.00000	46.00000	-0.30859	45.958	0.0	0.0	0.0	
1.00000	91.00000	46.00000	-0.33473	45.958	0.0	0.0	0.0	
2.00000	91.00000	46.00000	-0.36037	45.958	0.0	0.0	0.0	
3.00000	91.00000	46.00000	-0.38472	45.958	0.0	0.0	0.0	
4.00000	91.00000	46.00000	-0.40693	45.958	0.0	0.0	0.0	
5.00000	91.00000	46.00000	-0.42613	45.958	0.0	0.0	0.0	
6.00000	91.00000	46.00000	-0.44151	45.958	0.0	0.0	0.0	
7.00000	91.00000	46.00000	-0.45237	45.958	0.0	0.0	0.0	
8.00000	91.00000	46.00000	-0.45821	45.958	0.0	0.0	0.0	
9.00000	91.00000	46.00000	-0.45876	45.958	0.0	0.0	0.0	
10.00000	91.00000	46.00000	-0.45400	45.958	0.0	0.0	0.0	
11.00000	91.00000	46.00000	-0.44417	45.958	0.0	0.0	0.0	
12.00000	91.00000	46.00000	-0.42976	45.958	0.0	0.0	0.0	
13.00000	91.00000	46.00000	-0.41145	45.958	0.0	0.0	0.0	
14.00000	91.00000	46.00000	-0.39001	45.958	0.0	0.0	0.0	
15.00000	91.00000	46.00000	-0.36632	45.958	0.0	0.0	0.0	
16.00000	91.00000	46.00000	-0.34123	45.958	0.0	0.0	0.0	
17.00000	91.00000	46.00000	-0.31551	45.958	0.0	0.0	0.0	
18.00000	91.00000	46.00000	-0.28983	45.958	0.0	0.0	0.0	
19.00000	91.00000	46.00000	-0.26475	45.958	0.0	0.0	0.0	
20.00000	91.00000	46.00000	-0.24066	45.958	0.0	0.0	0.0	
21.00000	91.00000	46.00000	-0.21784	45.958	0.0	0.0	0.0	
22.00000	91.00000	46.00000	-0.19647	45.958	0.0	0.0	0.0	
23.00000	91.00000	46.00000	-0.17663	45.958	0.0	0.0	0.0	
24.00000	91.00000	46.00000	-0.15835	45.958	0.0	0.0	0.0	
25.00000	91.00000	46.00000	-0.14160	45.958	0.0	0.0	0.0	
26.00000	91.00000	46.00000	-0.12633	45.958	0.0	0.0	0.0	
27.00000	91.00000	46.00000	-0.11245	45.958	0.0	0.0	0.0	
28.00000	91.00000	46.00000	-0.099879	45.958	0.0	0.0	0.0	
29.00000	91.00000	46.00000	-0.088521	45.958	0.0	0.0	0.0	
30.00000	91.00000	46.00000	-0.078281	45.958	0.0	0.0	0.0	
31.00000	91.00000	46.00000	-0.069065	45.958	0.0	0.0	0.0	
32.00000	91.00000	46.00000	-0.060784	45.958	0.0	0.0	0.0	
33.00000	91.00000	46.00000	-0.053354	45.958	0.0	0.0	0.0	
34.00000	91.00000	46.00000	-0.046695	45.958	0.0	0.0	0.0	

35.00000	91.00000	46.00000	-0.040734	45.958	0.0	0.0	0.0
36.00000	91.00000	46.00000	-0.035405	45.958	0.0	0.0	0.0
37.00000	91.00000	46.00000	-0.030644	45.958	0.0	0.0	0.0
38.00000	91.00000	46.00000	-0.026396	45.958	0.0	0.0	0.0
39.00000	91.00000	46.00000	-0.022609	45.958	0.0	0.0	0.0
40.00000	91.00000	46.00000	-0.019236	45.958	0.0	0.0	0.0
41.00000	91.00000	46.00000	-0.016236	45.958	0.0	0.0	0.0 !
42.00000	91.00000	46.00000	-0.013569	45.958	0.0	0.0	0.0 !
43.00000	91.00000	46.00000	-0.011202	45.958	0.0	0.0	0.0 !
44.00000	91.00000	46.00000	-0.0091027	45.958	0.0	0.0	0.0 !
45.00000	91.00000	46.00000	-0.0072436	45.958	0.0	0.0	0.0 !
46.00000	91.00000	46.00000	-0.0055993	45.958	0.0	0.0	0.0 !
47.00000	91.00000	46.00000	-0.0041471	45.958	0.0	0.0	0.0 !
48.00000	91.00000	46.00000	-0.0028666	45.958	0.0	0.0	0.0 !
49.00000	91.00000	46.00000	-0.0017395	45.958	0.0	0.0	0.0 !
50.00000	91.00000	46.00000	-749.47E-6	45.958	0.0	0.0	0.0 !
-10.00000	92.00000	46.00000	-0.094920	45.958	0.0	0.0	0.0
-9.00000	92.00000	46.00000	-0.10685	45.958	0.0	0.0	0.0
-8.00000	92.00000	46.00000	-0.11994	45.958	0.0	0.0	0.0
-7.00000	92.00000	46.00000	-0.13425	45.958	0.0	0.0	0.0
-6.00000	92.00000	46.00000	-0.14979	45.958	0.0	0.0	0.0
-5.00000	92.00000	46.00000	-0.16657	45.958	0.0	0.0	0.0
-4.00000	92.00000	46.00000	-0.18453	45.958	0.0	0.0	0.0
-3.00000	92.00000	46.00000	-0.20358	45.958	0.0	0.0	0.0
-2.00000	92.00000	46.00000	-0.22355	45.958	0.0	0.0	0.0
-1.00000	92.00000	46.00000	-0.24419	45.958	0.0	0.0	0.0
0.00000	92.00000	46.00000	-0.26518	45.958	0.0	0.0	0.0
1.00000	92.00000	46.00000	-0.28608	45.958	0.0	0.0	0.0
2.00000	92.00000	46.00000	-0.30637	45.958	0.0	0.0	0.0
3.00000	92.00000	46.00000	-0.32549	45.958	0.0	0.0	0.0
4.00000	92.00000	46.00000	-0.34279	45.958	0.0	0.0	0.0
5.00000	92.00000	46.00000	-0.35766	45.958	0.0	0.0	0.0
6.00000	92.00000	46.00000	-0.36952	45.958	0.0	0.0	0.0
7.00000	92.00000	46.00000	-0.37787	45.958	0.0	0.0	0.0
8.00000	92.00000	46.00000	-0.38236	45.958	0.0	0.0	0.0
9.00000	92.00000	46.00000	-0.38280	45.958	0.0	0.0	0.0
10.00000	92.00000	46.00000	-0.37919	45.958	0.0	0.0	0.0
11.00000	92.00000	46.00000	-0.37168	45.958	0.0	0.0	0.0
12.00000	92.00000	46.00000	-0.36062	45.958	0.0	0.0	0.0
13.00000	92.00000	46.00000	-0.34648	45.958	0.0	0.0	0.0
14.00000	92.00000	46.00000	-0.32983	45.958	0.0	0.0	0.0
15.00000	92.00000	46.00000	-0.31128	45.958	0.0	0.0	0.0
16.00000	92.00000	46.00000	-0.29146	45.958	0.0	0.0	0.0
17.00000	92.00000	46.00000	-0.27094	45.958	0.0	0.0	0.0
18.00000	92.00000	46.00000	-0.25026	45.958	0.0	0.0	0.0
19.00000	92.00000	46.00000	-0.22983	45.958	0.0	0.0	0.0
20.00000	92.00000	46.00000	-0.21000	45.958	0.0	0.0	0.0
21.00000	92.00000	46.00000	-0.19103	45.958	0.0	0.0	0.0
22.00000	92.00000	46.00000	-0.17309	45.958	0.0	0.0	0.0
23.00000	92.00000	46.00000	-0.15629	45.958	0.0	0.0	0.0
24.00000	92.00000	46.00000	-0.14067	45.958	0.0	0.0	0.0
25.00000	92.00000	46.00000	-0.12624	45.958	0.0	0.0	0.0
26.00000	92.00000	46.00000	-0.11299	45.958	0.0	0.0	0.0
27.00000	92.00000	46.00000	-0.10087	45.958	0.0	0.0	0.0



28.00000	92.00000	46.00000	-0.089828	45.958	0.0	0.0	0.0
29.00000	92.00000	46.00000	-0.079794	45.958	0.0	0.0	0.0
30.00000	92.00000	46.00000	-0.070703	45.958	0.0	0.0	0.0
31.00000	92.00000	46.00000	-0.062485	45.958	0.0	0.0	0.0
32.00000	92.00000	46.00000	-0.055069	45.958	0.0	0.0	0.0
33.00000	92.00000	46.00000	-0.048390	45.958	0.0	0.0	0.0
34.00000	92.00000	46.00000	-0.042383	45.958	0.0	0.0	0.0
35.00000	92.00000	46.00000	-0.036989	45.958	0.0	0.0	0.0
36.00000	92.00000	46.00000	-0.032152	45.958	0.0	0.0	0.0
37.00000	92.00000	46.00000	-0.027819	45.958	0.0	0.0	0.0
38.00000	92.00000	46.00000	-0.023943	45.958	0.0	0.0	0.0
39.00000	92.00000	46.00000	-0.020480	45.958	0.0	0.0	0.0
40.00000	92.00000	46.00000	-0.017389	45.958	0.0	0.0	0.0
41.00000	92.00000	46.00000	-0.014633	45.958	0.0	0.0	0.0 !
42.00000	92.00000	46.00000	-0.012180	45.958	0.0	0.0	0.0 !
43.00000	92.00000	46.00000	-0.0099981	45.958	0.0	0.0	0.0 !
44.00000	92.00000	46.00000	-0.0080604	45.958	0.0	0.0	0.0 !
45.00000	92.00000	46.00000	-0.0063419	45.958	0.0	0.0	0.0 !
46.00000	92.00000	46.00000	-0.0048201	45.958	0.0	0.0	0.0 !
47.00000	92.00000	46.00000	-0.0034745	45.958	0.0	0.0	0.0 !
48.00000	92.00000	46.00000	-0.0022868	45.958	0.0	0.0	0.0 !
49.00000	92.00000	46.00000	-0.0012405	45.958	0.0	0.0	0.0 !
50.00000	92.00000	46.00000	-320.79E-6	45.958	0.0	0.0	0.0 !
-10.00000	93.00000	46.00000	-0.085007	45.958	0.0	0.0	0.0
-9.00000	93.00000	46.00000	-0.095413	45.958	0.0	0.0	0.0
-8.00000	93.00000	46.00000	-0.10676	45.958	0.0	0.0	0.0
-7.00000	93.00000	46.00000	-0.11908	45.958	0.0	0.0	0.0
-6.00000	93.00000	46.00000	-0.13235	45.958	0.0	0.0	0.0
-5.00000	93.00000	46.00000	-0.14658	45.958	0.0	0.0	0.0
-4.00000	93.00000	46.00000	-0.16168	45.958	0.0	0.0	0.0
-3.00000	93.00000	46.00000	-0.17755	45.958	0.0	0.0	0.0
-2.00000	93.00000	46.00000	-0.19405	45.958	0.0	0.0	0.0
-1.00000	93.00000	46.00000	-0.21095	45.958	0.0	0.0	0.0
0.00000	93.00000	46.00000	-0.22797	45.958	0.0	0.0	0.0
1.00000	93.00000	46.00000	-0.24478	45.958	0.0	0.0	0.0
2.00000	93.00000	46.00000	-0.26097	45.958	0.0	0.0	0.0
3.00000	93.00000	46.00000	-0.27611	45.958	0.0	0.0	0.0
4.00000	93.00000	46.00000	-0.28972	45.958	0.0	0.0	0.0
5.00000	93.00000	46.00000	-0.30136	45.958	0.0	0.0	0.0
6.00000	93.00000	46.00000	-0.31060	45.958	0.0	0.0	0.0
7.00000	93.00000	46.00000	-0.31710	45.958	0.0	0.0	0.0
8.00000	93.00000	46.00000	-0.32060	45.958	0.0	0.0	0.0
9.00000	93.00000	46.00000	-0.32096	45.958	0.0	0.0	0.0
10.00000	93.00000	46.00000	-0.31818	45.958	0.0	0.0	0.0
11.00000	93.00000	46.00000	-0.31238	45.958	0.0	0.0	0.0
12.00000	93.00000	46.00000	-0.30380	45.958	0.0	0.0	0.0
13.00000	93.00000	46.00000	-0.29277	45.958	0.0	0.0	0.0
14.00000	93.00000	46.00000	-0.27970	45.958	0.0	0.0	0.0
15.00000	93.00000	46.00000	-0.26505	45.958	0.0	0.0	0.0
16.00000	93.00000	46.00000	-0.24927	45.958	0.0	0.0	0.0
17.00000	93.00000	46.00000	-0.23280	45.958	0.0	0.0	0.0
18.00000	93.00000	46.00000	-0.21605	45.958	0.0	0.0	0.0
19.00000	93.00000	46.00000	-0.19935	45.958	0.0	0.0	0.0
20.00000	93.00000	46.00000	-0.18300	45.958	0.0	0.0	0.0

21.00000	93.00000	46.00000	-0.16722	45.958	0.0	0.0	0.0
22.00000	93.00000	46.00000	-0.15215	45.958	0.0	0.0	0.0
23.00000	93.00000	46.00000	-0.13793	45.958	0.0	0.0	0.0
24.00000	93.00000	46.00000	-0.12460	45.958	0.0	0.0	0.0
25.00000	93.00000	46.00000	-0.11220	45.958	0.0	0.0	0.0
26.00000	93.00000	46.00000	-0.10073	45.958	0.0	0.0	0.0
27.00000	93.00000	46.00000	-0.090170	45.958	0.0	0.0	0.0
28.00000	93.00000	46.00000	-0.080495	45.958	0.0	0.0	0.0
29.00000	93.00000	46.00000	-0.071658	45.958	0.0	0.0	0.0
30.00000	93.00000	46.00000	-0.063612	45.958	0.0	0.0	0.0
31.00000	93.00000	46.00000	-0.056306	45.958	0.0	0.0	0.0
32.00000	93.00000	46.00000	-0.049686	45.958	0.0	0.0	0.0
33.00000	93.00000	46.00000	-0.043701	45.958	0.0	0.0	0.0
34.00000	93.00000	46.00000	-0.038299	45.958	0.0	0.0	0.0
35.00000	93.00000	46.00000	-0.033433	45.958	0.0	0.0	0.0
36.00000	93.00000	46.00000	-0.029056	45.958	0.0	0.0	0.0
37.00000	93.00000	46.00000	-0.025125	45.958	0.0	0.0	0.0
38.00000	93.00000	46.00000	-0.021599	45.958	0.0	0.0	0.0
39.00000	93.00000	46.00000	-0.018442	45.958	0.0	0.0	0.0
40.00000	93.00000	46.00000	-0.015617	45.958	0.0	0.0	0.0
41.00000	93.00000	46.00000	-0.013094	45.958	0.0	0.0	0.0 !
42.00000	93.00000	46.00000	-0.010843	45.958	0.0	0.0	0.0 !
43.00000	93.00000	46.00000	-0.0088386	45.958	0.0	0.0	0.0 !
44.00000	93.00000	46.00000	-0.0070553	45.958	0.0	0.0	0.0 !
45.00000	93.00000	46.00000	-0.0054715	45.958	0.0	0.0	0.0 !
46.00000	93.00000	46.00000	-0.0040671	45.958	0.0	0.0	0.0 !
47.00000	93.00000	46.00000	-0.0028239	45.958	0.0	0.0	0.0 !
48.00000	93.00000	46.00000	-0.0017256	45.958	0.0	0.0	0.0 !
49.00000	93.00000	46.00000	-757.31E-6	45.958	0.0	0.0	0.0 !
50.00000	93.00000	46.00000	94.467E-6	45.958	0.0	0.0	0.0 !
-10.00000	94.00000	46.00000	-0.075847	45.958	0.0	0.0	0.0
-9.00000	94.00000	46.00000	-0.084904	45.958	0.0	0.0	0.0
-8.00000	94.00000	46.00000	-0.094720	45.958	0.0	0.0	0.0
-7.00000	94.00000	46.00000	-0.10530	45.958	0.0	0.0	0.0
-6.00000	94.00000	46.00000	-0.11664	45.958	0.0	0.0	0.0
-5.00000	94.00000	46.00000	-0.12869	45.958	0.0	0.0	0.0
-4.00000	94.00000	46.00000	-0.14139	45.958	0.0	0.0	0.0
-3.00000	94.00000	46.00000	-0.15463	45.958	0.0	0.0	0.0
-2.00000	94.00000	46.00000	-0.16829	45.958	0.0	0.0	0.0
-1.00000	94.00000	46.00000	-0.18217	45.958	0.0	0.0	0.0
0.00000	94.00000	46.00000	-0.19604	45.958	0.0	0.0	0.0
1.00000	94.00000	46.00000	-0.20964	45.958	0.0	0.0	0.0
2.00000	94.00000	46.00000	-0.22264	45.958	0.0	0.0	0.0
3.00000	94.00000	46.00000	-0.23472	45.958	0.0	0.0	0.0
4.00000	94.00000	46.00000	-0.24552	45.958	0.0	0.0	0.0
5.00000	94.00000	46.00000	-0.25471	45.958	0.0	0.0	0.0
6.00000	94.00000	46.00000	-0.26199	45.958	0.0	0.0	0.0
7.00000	94.00000	46.00000	-0.26709	45.958	0.0	0.0	0.0
8.00000	94.00000	46.00000	-0.26984	45.958	0.0	0.0	0.0
9.00000	94.00000	46.00000	-0.27014	45.958	0.0	0.0	0.0
10.00000	94.00000	46.00000	-0.26798	45.958	0.0	0.0	0.0
11.00000	94.00000	46.00000	-0.26346	45.958	0.0	0.0	0.0
12.00000	94.00000	46.00000	-0.25673	45.958	0.0	0.0	0.0
13.00000	94.00000	46.00000	-0.24804	45.958	0.0	0.0	0.0

14.00000	94.00000	46.00000	-0.23771	45.958	0.0	0.0	0.0
15.00000	94.00000	46.00000	-0.22604	45.958	0.0	0.0	0.0
16.00000	94.00000	46.00000	-0.21340	45.958	0.0	0.0	0.0
17.00000	94.00000	46.00000	-0.20010	45.958	0.0	0.0	0.0
18.00000	94.00000	46.00000	-0.18647	45.958	0.0	0.0	0.0
19.00000	94.00000	46.00000	-0.17278	45.958	0.0	0.0	0.0
20.00000	94.00000	46.00000	-0.15927	45.958	0.0	0.0	0.0
21.00000	94.00000	46.00000	-0.14611	45.958	0.0	0.0	0.0
22.00000	94.00000	46.00000	-0.13346	45.958	0.0	0.0	0.0
23.00000	94.00000	46.00000	-0.12142	45.958	0.0	0.0	0.0
24.00000	94.00000	46.00000	-0.11005	45.958	0.0	0.0	0.0
25.00000	94.00000	46.00000	-0.099411	45.958	0.0	0.0	0.0
26.00000	94.00000	46.00000	-0.089502	45.958	0.0	0.0	0.0
27.00000	94.00000	46.00000	-0.080329	45.958	0.0	0.0	0.0
28.00000	94.00000	46.00000	-0.071873	45.958	0.0	0.0	0.0
29.00000	94.00000	46.00000	-0.064111	45.958	0.0	0.0	0.0
30.00000	94.00000	46.00000	-0.057010	45.958	0.0	0.0	0.0
31.00000	94.00000	46.00000	-0.050532	45.958	0.0	0.0	0.0
32.00000	94.00000	46.00000	-0.044640	45.958	0.0	0.0	0.0
33.00000	94.00000	46.00000	-0.039293	45.958	0.0	0.0	0.0
34.00000	94.00000	46.00000	-0.034450	45.958	0.0	0.0	0.0
35.00000	94.00000	46.00000	-0.030073	45.958	0.0	0.0	0.0
36.00000	94.00000	46.00000	-0.026124	45.958	0.0	0.0	0.0
37.00000	94.00000	46.00000	-0.022568	45.958	0.0	0.0	0.0
38.00000	94.00000	46.00000	-0.019370	45.958	0.0	0.0	0.0
39.00000	94.00000	46.00000	-0.016499	45.958	0.0	0.0	0.0
40.00000	94.00000	46.00000	-0.013926	45.958	0.0	0.0	0.0
41.00000	94.00000	46.00000	-0.011622	45.958	0.0	0.0	0.0 !
42.00000	94.00000	46.00000	-0.0095638	45.958	0.0	0.0	0.0 !
43.00000	94.00000	46.00000	-0.0077269	45.958	0.0	0.0	0.0 !
44.00000	94.00000	46.00000	-0.0060905	45.958	0.0	0.0	0.0 !
45.00000	94.00000	46.00000	-0.0046350	45.958	0.0	0.0	0.0 !
46.00000	94.00000	46.00000	-0.0033428	45.958	0.0	0.0	0.0 !
47.00000	94.00000	46.00000	-0.0021977	45.958	0.0	0.0	0.0 !
48.00000	94.00000	46.00000	-0.0011851	45.958	0.0	0.0	0.0 !
49.00000	94.00000	46.00000	-291.61E-6	45.958	0.0	0.0	0.0 !
50.00000	94.00000	46.00000	494.80E-6	45.958	0.0	0.0	0.0 !
-10.00000	95.00000	46.00000	-0.067428	45.958	0.0	0.0	0.0
-9.00000	95.00000	46.00000	-0.075294	45.958	0.0	0.0	0.0
-8.00000	95.00000	46.00000	-0.083771	45.958	0.0	0.0	0.0
-7.00000	95.00000	46.00000	-0.092854	45.958	0.0	0.0	0.0
-6.00000	95.00000	46.00000	-0.10252	45.958	0.0	0.0	0.0
-5.00000	95.00000	46.00000	-0.11273	45.958	0.0	0.0	0.0
-4.00000	95.00000	46.00000	-0.12342	45.958	0.0	0.0	0.0
-3.00000	95.00000	46.00000	-0.13449	45.958	0.0	0.0	0.0
-2.00000	95.00000	46.00000	-0.14582	45.958	0.0	0.0	0.0
-1.00000	95.00000	46.00000	-0.15725	45.958	0.0	0.0	0.0
0.00000	95.00000	46.00000	-0.16860	45.958	0.0	0.0	0.0
1.00000	95.00000	46.00000	-0.17965	45.958	0.0	0.0	0.0
2.00000	95.00000	46.00000	-0.19015	45.958	0.0	0.0	0.0
3.00000	95.00000	46.00000	-0.19985	45.958	0.0	0.0	0.0
4.00000	95.00000	46.00000	-0.20849	45.958	0.0	0.0	0.0
5.00000	95.00000	46.00000	-0.21581	45.958	0.0	0.0	0.0
6.00000	95.00000	46.00000	-0.22159	45.958	0.0	0.0	0.0

7.00000	95.00000	46.00000	-0.22563	45.958	0.0	0.0	0.0
8.00000	95.00000	46.00000	-0.22782	45.958	0.0	0.0	0.0
9.00000	95.00000	46.00000	-0.22807	45.958	0.0	0.0	0.0
10.00000	95.00000	46.00000	-0.22638	45.958	0.0	0.0	0.0
11.00000	95.00000	46.00000	-0.22281	45.958	0.0	0.0	0.0
12.00000	95.00000	46.00000	-0.21749	45.958	0.0	0.0	0.0
13.00000	95.00000	46.00000	-0.21060	45.958	0.0	0.0	0.0
14.00000	95.00000	46.00000	-0.20235	45.958	0.0	0.0	0.0
15.00000	95.00000	46.00000	-0.19301	45.958	0.0	0.0	0.0
16.00000	95.00000	46.00000	-0.18281	45.958	0.0	0.0	0.0
17.00000	95.00000	46.00000	-0.17203	45.958	0.0	0.0	0.0
18.00000	95.00000	46.00000	-0.16089	45.958	0.0	0.0	0.0
19.00000	95.00000	46.00000	-0.14963	45.958	0.0	0.0	0.0
20.00000	95.00000	46.00000	-0.13843	45.958	0.0	0.0	0.0
21.00000	95.00000	46.00000	-0.12745	45.958	0.0	0.0	0.0
22.00000	95.00000	46.00000	-0.11682	45.958	0.0	0.0	0.0
23.00000	95.00000	46.00000	-0.10663	45.958	0.0	0.0	0.0
24.00000	95.00000	46.00000	-0.096949	45.958	0.0	0.0	0.0
25.00000	95.00000	46.00000	-0.087823	45.958	0.0	0.0	0.0
26.00000	95.00000	46.00000	-0.079276	45.958	0.0	0.0	0.0
27.00000	95.00000	46.00000	-0.071319	45.958	0.0	0.0	0.0
28.00000	95.00000	46.00000	-0.063945	45.958	0.0	0.0	0.0
29.00000	95.00000	46.00000	-0.057143	45.958	0.0	0.0	0.0
30.00000	95.00000	46.00000	-0.050891	45.958	0.0	0.0	0.0
31.00000	95.00000	46.00000	-0.045163	45.958	0.0	0.0	0.0
32.00000	95.00000	46.00000	-0.039932	45.958	0.0	0.0	0.0
33.00000	95.00000	46.00000	-0.035168	45.958	0.0	0.0	0.0
34.00000	95.00000	46.00000	-0.030838	45.958	0.0	0.0	0.0
35.00000	95.00000	46.00000	-0.026912	45.958	0.0	0.0	0.0
36.00000	95.00000	46.00000	-0.023360	45.958	0.0	0.0	0.0
37.00000	95.00000	46.00000	-0.020151	45.958	0.0	0.0	0.0
38.00000	95.00000	46.00000	-0.017259	45.958	0.0	0.0	0.0
39.00000	95.00000	46.00000	-0.014657	45.958	0.0	0.0	0.0
40.00000	95.00000	46.00000	-0.012319	45.958	0.0	0.0	0.0
41.00000	95.00000	46.00000	-0.010222	45.958	0.0	0.0	0.0 !
42.00000	95.00000	46.00000	-0.0083440	45.958	0.0	0.0	0.0 !
43.00000	95.00000	46.00000	-0.0066658	45.958	0.0	0.0	0.0 !
44.00000	95.00000	46.00000	-0.0051684	45.958	0.0	0.0	0.0 !
45.00000	95.00000	46.00000	-0.0038347	45.958	0.0	0.0	0.0 !
46.00000	95.00000	46.00000	-0.0026493	45.958	0.0	0.0	0.0 !
47.00000	95.00000	46.00000	-0.0015976	45.958	0.0	0.0	0.0 !
48.00000	95.00000	46.00000	-666.80E-6	45.958	0.0	0.0	0.0 !
49.00000	95.00000	46.00000	155.12E-6	45.958	0.0	0.0	0.0 !
50.00000	95.00000	46.00000	878.93E-6	45.958	0.0	0.0	0.0 !
-10.00000	96.00000	46.00000	-0.059725	45.958	0.0	0.0	0.0
-9.00000	96.00000	46.00000	-0.066545	45.958	0.0	0.0	0.0
-8.00000	96.00000	46.00000	-0.073856	45.958	0.0	0.0	0.0
-7.00000	96.00000	46.00000	-0.081645	45.958	0.0	0.0	0.0
-6.00000	96.00000	46.00000	-0.089886	45.958	0.0	0.0	0.0
-5.00000	96.00000	46.00000	-0.098537	45.958	0.0	0.0	0.0
-4.00000	96.00000	46.00000	-0.10754	45.958	0.0	0.0	0.0
-3.00000	96.00000	46.00000	-0.11680	45.958	0.0	0.0	0.0
-2.00000	96.00000	46.00000	-0.12622	45.958	0.0	0.0	0.0
-1.00000	96.00000	46.00000	-0.13567	45.958	0.0	0.0	0.0

0.00000	96.00000	46.00000	-0.14499	45.958	0.0	0.0	0.0
1.00000	96.00000	46.00000	-0.15401	45.958	0.0	0.0	0.0
2.00000	96.00000	46.00000	-0.16253	45.958	0.0	0.0	0.0
3.00000	96.00000	46.00000	-0.17037	45.958	0.0	0.0	0.0
4.00000	96.00000	46.00000	-0.17732	45.958	0.0	0.0	0.0
5.00000	96.00000	46.00000	-0.18319	45.958	0.0	0.0	0.0
6.00000	96.00000	46.00000	-0.18781	45.958	0.0	0.0	0.0
7.00000	96.00000	46.00000	-0.19105	45.958	0.0	0.0	0.0
8.00000	96.00000	46.00000	-0.19279	45.958	0.0	0.0	0.0
9.00000	96.00000	46.00000	-0.19300	45.958	0.0	0.0	0.0
10.00000	96.00000	46.00000	-0.19167	45.958	0.0	0.0	0.0
11.00000	96.00000	46.00000	-0.18883	45.958	0.0	0.0	0.0
12.00000	96.00000	46.00000	-0.18460	45.958	0.0	0.0	0.0
13.00000	96.00000	46.00000	-0.17909	45.958	0.0	0.0	0.0
14.00000	96.00000	46.00000	-0.17247	45.958	0.0	0.0	0.0
15.00000	96.00000	46.00000	-0.16494	45.958	0.0	0.0	0.0
16.00000	96.00000	46.00000	-0.15667	45.958	0.0	0.0	0.0
17.00000	96.00000	46.00000	-0.14788	45.958	0.0	0.0	0.0
18.00000	96.00000	46.00000	-0.13876	45.958	0.0	0.0	0.0
19.00000	96.00000	46.00000	-0.12947	45.958	0.0	0.0	0.0
20.00000	96.00000	46.00000	-0.12017	45.958	0.0	0.0	0.0
21.00000	96.00000	46.00000	-0.11099	45.958	0.0	0.0	0.0
22.00000	96.00000	46.00000	-0.10205	45.958	0.0	0.0	0.0
23.00000	96.00000	46.00000	-0.093420	45.958	0.0	0.0	0.0
24.00000	96.00000	46.00000	-0.085175	45.958	0.0	0.0	0.0
25.00000	96.00000	46.00000	-0.077358	45.958	0.0	0.0	0.0
26.00000	96.00000	46.00000	-0.069995	45.958	0.0	0.0	0.0
27.00000	96.00000	46.00000	-0.063103	45.958	0.0	0.0	0.0
28.00000	96.00000	46.00000	-0.056685	45.958	0.0	0.0	0.0
29.00000	96.00000	46.00000	-0.050736	45.958	0.0	0.0	0.0
30.00000	96.00000	46.00000	-0.045243	45.958	0.0	0.0	0.0
31.00000	96.00000	46.00000	-0.040191	45.958	0.0	0.0	0.0
32.00000	96.00000	46.00000	-0.035559	45.958	0.0	0.0	0.0
33.00000	96.00000	46.00000	-0.031324	45.958	0.0	0.0	0.0
34.00000	96.00000	46.00000	-0.027463	45.958	0.0	0.0	0.0
35.00000	96.00000	46.00000	-0.023951	45.958	0.0	0.0	0.0
36.00000	96.00000	46.00000	-0.020764	45.958	0.0	0.0	0.0
37.00000	96.00000	46.00000	-0.017877	45.958	0.0	0.0	0.0
38.00000	96.00000	46.00000	-0.015269	45.958	0.0	0.0	0.0
39.00000	96.00000	46.00000	-0.012916	45.958	0.0	0.0	0.0
40.00000	96.00000	46.00000	-0.010798	45.958	0.0	0.0	0.0
41.00000	96.00000	46.00000	-0.0088939	45.958	0.0	0.0	0.0 !
42.00000	96.00000	46.00000	-0.0071862	45.958	0.0	0.0	0.0 !
43.00000	96.00000	46.00000	-0.0056573	45.958	0.0	0.0	0.0 !
44.00000	96.00000	46.00000	-0.0042910	45.958	0.0	0.0	0.0 !
45.00000	96.00000	46.00000	-0.0030725	45.958	0.0	0.0	0.0 !
46.00000	96.00000	46.00000	-0.0019881	45.958	0.0	0.0	0.0 !
47.00000	96.00000	46.00000	-0.0010251	45.958	0.0	0.0	0.0 !
48.00000	96.00000	46.00000	-172.05E-6	45.958	0.0	0.0	0.0 !
49.00000	96.00000	46.00000	581.70E-6	45.958	0.0	0.0	0.0 !
50.00000	96.00000	46.00000	0.0012458	45.958	0.0	0.0	0.0 !
-10.00000	97.00000	46.00000	-0.052705	45.958	0.0	0.0	0.0
-9.00000	97.00000	46.00000	-0.058610	45.958	0.0	0.0	0.0
-8.00000	97.00000	46.00000	-0.064909	45.958	0.0	0.0	0.0

-7.00000	97.00000	46.00000	-0.071584	45.958	0.0	0.0	0.0
-6.00000	97.00000	46.00000	-0.078608	45.958	0.0	0.0	0.0
-5.00000	97.00000	46.00000	-0.085940	45.958	0.0	0.0	0.0
-4.00000	97.00000	46.00000	-0.093523	45.958	0.0	0.0	0.0
-3.00000	97.00000	46.00000	-0.10128	45.958	0.0	0.0	0.0
-2.00000	97.00000	46.00000	-0.10913	45.958	0.0	0.0	0.0
-1.00000	97.00000	46.00000	-0.11696	45.958	0.0	0.0	0.0
0.00000	97.00000	46.00000	-0.12464	45.958	0.0	0.0	0.0
1.00000	97.00000	46.00000	-0.13203	45.958	0.0	0.0	0.0
2.00000	97.00000	46.00000	-0.13899	45.958	0.0	0.0	0.0
3.00000	97.00000	46.00000	-0.14536	45.958	0.0	0.0	0.0
4.00000	97.00000	46.00000	-0.15098	45.958	0.0	0.0	0.0
5.00000	97.00000	46.00000	-0.15572	45.958	0.0	0.0	0.0
6.00000	97.00000	46.00000	-0.15944	45.958	0.0	0.0	0.0
7.00000	97.00000	46.00000	-0.16204	45.958	0.0	0.0	0.0
8.00000	97.00000	46.00000	-0.16345	45.958	0.0	0.0	0.0
9.00000	97.00000	46.00000	-0.16362	45.958	0.0	0.0	0.0
10.00000	97.00000	46.00000	-0.16256	45.958	0.0	0.0	0.0
11.00000	97.00000	46.00000	-0.16030	45.958	0.0	0.0	0.0
12.00000	97.00000	46.00000	-0.15690	45.958	0.0	0.0	0.0
13.00000	97.00000	46.00000	-0.15247	45.958	0.0	0.0	0.0
14.00000	97.00000	46.00000	-0.14713	45.958	0.0	0.0	0.0
15.00000	97.00000	46.00000	-0.14102	45.958	0.0	0.0	0.0
16.00000	97.00000	46.00000	-0.13429	45.958	0.0	0.0	0.0
17.00000	97.00000	46.00000	-0.12710	45.958	0.0	0.0	0.0
18.00000	97.00000	46.00000	-0.11959	45.958	0.0	0.0	0.0
19.00000	97.00000	46.00000	-0.11190	45.958	0.0	0.0	0.0
20.00000	97.00000	46.00000	-0.10416	45.958	0.0	0.0	0.0
21.00000	97.00000	46.00000	-0.096483	45.958	0.0	0.0	0.0
22.00000	97.00000	46.00000	-0.088954	45.958	0.0	0.0	0.0
23.00000	97.00000	46.00000	-0.081650	45.958	0.0	0.0	0.0
24.00000	97.00000	46.00000	-0.074630	45.958	0.0	0.0	0.0
25.00000	97.00000	46.00000	-0.067937	45.958	0.0	0.0	0.0
26.00000	97.00000	46.00000	-0.061601	45.958	0.0	0.0	0.0
27.00000	97.00000	46.00000	-0.055639	45.958	0.0	0.0	0.0
28.00000	97.00000	46.00000	-0.050062	45.958	0.0	0.0	0.0
29.00000	97.00000	46.00000	-0.044868	45.958	0.0	0.0	0.0
30.00000	97.00000	46.00000	-0.040053	45.958	0.0	0.0	0.0
31.00000	97.00000	46.00000	-0.035606	45.958	0.0	0.0	0.0
32.00000	97.00000	46.00000	-0.031513	45.958	0.0	0.0	0.0
33.00000	97.00000	46.00000	-0.027758	45.958	0.0	0.0	0.0
34.00000	97.00000	46.00000	-0.024323	45.958	0.0	0.0	0.0
35.00000	97.00000	46.00000	-0.021189	45.958	0.0	0.0	0.0
36.00000	97.00000	46.00000	-0.018337	45.958	0.0	0.0	0.0
37.00000	97.00000	46.00000	-0.015747	45.958	0.0	0.0	0.0
38.00000	97.00000	46.00000	-0.013400	45.958	0.0	0.0	0.0
39.00000	97.00000	46.00000	-0.011279	45.958	0.0	0.0	0.0
40.00000	97.00000	46.00000	-0.0093643	45.958	0.0	0.0	0.0
41.00000	97.00000	46.00000	-0.0076407	45.958	0.0	0.0	0.0 !
42.00000	97.00000	46.00000	-0.0060918	45.958	0.0	0.0	0.0 !
43.00000	97.00000	46.00000	-0.0047028	45.958	0.0	0.0	0.0 !
44.00000	97.00000	46.00000	-0.0034597	45.958	0.0	0.0	0.0 !
45.00000	97.00000	46.00000	-0.0023496	45.958	0.0	0.0	0.0 !
46.00000	97.00000	46.00000	-0.0013605	45.958	0.0	0.0	0.0 !

47.00000	97.00000	46.00000	-481.33E-6	45.958	0.0	0.0	0.0	!
48.00000	97.00000	46.00000	298.11E-6	45.958	0.0	0.0	0.0	!
49.00000	97.00000	46.00000	987.19E-6	45.958	0.0	0.0	0.0	!
50.00000	97.00000	46.00000	0.0015945	45.958	0.0	0.0	0.0	!
-10.00000	98.00000	46.00000	-0.046331	45.958	0.0	0.0	0.0	0.0
-9.00000	98.00000	46.00000	-0.051438	45.958	0.0	0.0	0.0	
-8.00000	98.00000	46.00000	-0.056860	45.958	0.0	0.0	0.0	
-7.00000	98.00000	46.00000	-0.062577	45.958	0.0	0.0	0.0	
-6.00000	98.00000	46.00000	-0.068563	45.958	0.0	0.0	0.0	
-5.00000	98.00000	46.00000	-0.074779	45.958	0.0	0.0	0.0	
-4.00000	98.00000	46.00000	-0.081175	45.958	0.0	0.0	0.0	
-3.00000	98.00000	46.00000	-0.087687	45.958	0.0	0.0	0.0	
-2.00000	98.00000	46.00000	-0.094239	45.958	0.0	0.0	0.0	
-1.00000	98.00000	46.00000	-0.10074	45.958	0.0	0.0	0.0	
0.00000	98.00000	46.00000	-0.10709	45.958	0.0	0.0	0.0	
1.00000	98.00000	46.00000	-0.11317	45.958	0.0	0.0	0.0	
2.00000	98.00000	46.00000	-0.11887	45.958	0.0	0.0	0.0	
3.00000	98.00000	46.00000	-0.12407	45.958	0.0	0.0	0.0	
4.00000	98.00000	46.00000	-0.12864	45.958	0.0	0.0	0.0	
5.00000	98.00000	46.00000	-0.13248	45.958	0.0	0.0	0.0	
6.00000	98.00000	46.00000	-0.13550	45.958	0.0	0.0	0.0	
7.00000	98.00000	46.00000	-0.13760	45.958	0.0	0.0	0.0	
8.00000	98.00000	46.00000	-0.13875	45.958	0.0	0.0	0.0	
9.00000	98.00000	46.00000	-0.13889	45.958	0.0	0.0	0.0	
10.00000	98.00000	46.00000	-0.13804	45.958	0.0	0.0	0.0	
11.00000	98.00000	46.00000	-0.13622	45.958	0.0	0.0	0.0	
12.00000	98.00000	46.00000	-0.13348	45.958	0.0	0.0	0.0	
13.00000	98.00000	46.00000	-0.12990	45.958	0.0	0.0	0.0	
14.00000	98.00000	46.00000	-0.12556	45.958	0.0	0.0	0.0	
15.00000	98.00000	46.00000	-0.12059	45.958	0.0	0.0	0.0	
16.00000	98.00000	46.00000	-0.11509	45.958	0.0	0.0	0.0	
17.00000	98.00000	46.00000	-0.10918	45.958	0.0	0.0	0.0	
18.00000	98.00000	46.00000	-0.10298	45.958	0.0	0.0	0.0	
19.00000	98.00000	46.00000	-0.096604	45.958	0.0	0.0	0.0	
20.00000	98.00000	46.00000	-0.090152	45.958	0.0	0.0	0.0	
21.00000	98.00000	46.00000	-0.083715	45.958	0.0	0.0	0.0	
22.00000	98.00000	46.00000	-0.077371	45.958	0.0	0.0	0.0	
23.00000	98.00000	46.00000	-0.071184	45.958	0.0	0.0	0.0	
24.00000	98.00000	46.00000	-0.065207	45.958	0.0	0.0	0.0	
25.00000	98.00000	46.00000	-0.059479	45.958	0.0	0.0	0.0	
26.00000	98.00000	46.00000	-0.054031	45.958	0.0	0.0	0.0	
27.00000	98.00000	46.00000	-0.048881	45.958	0.0	0.0	0.0	
28.00000	98.00000	46.00000	-0.044040	45.958	0.0	0.0	0.0	
29.00000	98.00000	46.00000	-0.039513	45.958	0.0	0.0	0.0	
30.00000	98.00000	46.00000	-0.035299	45.958	0.0	0.0	0.0	
31.00000	98.00000	46.00000	-0.031392	45.958	0.0	0.0	0.0	
32.00000	98.00000	46.00000	-0.027783	45.958	0.0	0.0	0.0	
33.00000	98.00000	46.00000	-0.024461	45.958	0.0	0.0	0.0	
34.00000	98.00000	46.00000	-0.021413	45.958	0.0	0.0	0.0	
35.00000	98.00000	46.00000	-0.018623	45.958	0.0	0.0	0.0	
36.00000	98.00000	46.00000	-0.016076	45.958	0.0	0.0	0.0	
37.00000	98.00000	46.00000	-0.013758	45.958	0.0	0.0	0.0	
38.00000	98.00000	46.00000	-0.011652	45.958	0.0	0.0	0.0	
39.00000	98.00000	46.00000	-0.0097442	45.958	0.0	0.0	0.0	

40.00000	98.00000	46.00000	-0.0080190	45.958	0.0	0.0	0.0
41.00000	98.00000	46.00000	-0.0064627	45.958	0.0	0.0	0.0 !
42.00000	98.00000	46.00000	-0.0050616	45.958	0.0	0.0	0.0 !
43.00000	98.00000	46.00000	-0.0038031	45.958	0.0	0.0	0.0 !
44.00000	98.00000	46.00000	-0.0026752	45.958	0.0	0.0	0.0 !
45.00000	98.00000	46.00000	-0.0016668	45.958	0.0	0.0	0.0 !
46.00000	98.00000	46.00000	-767.27E-6	45.958	0.0	0.0	0.0 !
47.00000	98.00000	46.00000	32.969E-6	45.958	0.0	0.0	0.0 !
48.00000	98.00000	46.00000	742.93E-6	45.958	0.0	0.0	0.0 !
49.00000	98.00000	46.00000	0.0013709	45.958	0.0	0.0	0.0 !
50.00000	98.00000	46.00000	0.0019245	45.958	0.0	0.0	0.0 !
-10.00000	99.00000	46.00000	-0.040563	45.958	0.0	0.0	0.0
-9.00000	99.00000	46.00000	-0.044975	45.958	0.0	0.0	0.0
-8.00000	99.00000	46.00000	-0.049638	45.958	0.0	0.0	0.0
-7.00000	99.00000	46.00000	-0.054534	45.958	0.0	0.0	0.0
-6.00000	99.00000	46.00000	-0.059635	45.958	0.0	0.0	0.0
-5.00000	99.00000	46.00000	-0.064908	45.958	0.0	0.0	0.0
-4.00000	99.00000	46.00000	-0.070307	45.958	0.0	0.0	0.0
-3.00000	99.00000	46.00000	-0.075779	45.958	0.0	0.0	0.0
-2.00000	99.00000	46.00000	-0.081257	45.958	0.0	0.0	0.0
-1.00000	99.00000	46.00000	-0.086668	45.958	0.0	0.0	0.0
0.00000	99.00000	46.00000	-0.091929	45.958	0.0	0.0	0.0
1.00000	99.00000	46.00000	-0.096950	45.958	0.0	0.0	0.0
2.00000	99.00000	46.00000	-0.10164	45.958	0.0	0.0	0.0
3.00000	99.00000	46.00000	-0.10590	45.958	0.0	0.0	0.0
4.00000	99.00000	46.00000	-0.10964	45.958	0.0	0.0	0.0
5.00000	99.00000	46.00000	-0.11277	45.958	0.0	0.0	0.0
6.00000	99.00000	46.00000	-0.11522	45.958	0.0	0.0	0.0
7.00000	99.00000	46.00000	-0.11694	45.958	0.0	0.0	0.0
8.00000	99.00000	46.00000	-0.11787	45.958	0.0	0.0	0.0
9.00000	99.00000	46.00000	-0.11799	45.958	0.0	0.0	0.0
10.00000	99.00000	46.00000	-0.11731	45.958	0.0	0.0	0.0
11.00000	99.00000	46.00000	-0.11584	45.958	0.0	0.0	0.0
12.00000	99.00000	46.00000	-0.11361	45.958	0.0	0.0	0.0
13.00000	99.00000	46.00000	-0.11070	45.958	0.0	0.0	0.0
14.00000	99.00000	46.00000	-0.10717	45.958	0.0	0.0	0.0
15.00000	99.00000	46.00000	-0.10310	45.958	0.0	0.0	0.0
16.00000	99.00000	46.00000	-0.098581	45.958	0.0	0.0	0.0
17.00000	99.00000	46.00000	-0.093711	45.958	0.0	0.0	0.0
18.00000	99.00000	46.00000	-0.088581	45.958	0.0	0.0	0.0
19.00000	99.00000	46.00000	-0.083280	45.958	0.0	0.0	0.0
20.00000	99.00000	46.00000	-0.077891	45.958	0.0	0.0	0.0
21.00000	99.00000	46.00000	-0.072488	45.958	0.0	0.0	0.0
22.00000	99.00000	46.00000	-0.067137	45.958	0.0	0.0	0.0
23.00000	99.00000	46.00000	-0.061894	45.958	0.0	0.0	0.0
24.00000	99.00000	46.00000	-0.056805	45.958	0.0	0.0	0.0
25.00000	99.00000	46.00000	-0.051906	45.958	0.0	0.0	0.0
26.00000	99.00000	46.00000	-0.047223	45.958	0.0	0.0	0.0
27.00000	99.00000	46.00000	-0.042778	45.958	0.0	0.0	0.0
28.00000	99.00000	46.00000	-0.038582	45.958	0.0	0.0	0.0
29.00000	99.00000	46.00000	-0.034642	45.958	0.0	0.0	0.0
30.00000	99.00000	46.00000	-0.030960	45.958	0.0	0.0	0.0
31.00000	99.00000	46.00000	-0.027534	45.958	0.0	0.0	0.0
32.00000	99.00000	46.00000	-0.024358	45.958	0.0	0.0	0.0



33.00000	99.00000	46.00000	-0.021425	45.958	0.0	0.0	0.0
34.00000	99.00000	46.00000	-0.018725	45.958	0.0	0.0	0.0
35.00000	99.00000	46.00000	-0.016247	45.958	0.0	0.0	0.0
36.00000	99.00000	46.00000	-0.013979	45.958	0.0	0.0	0.0
37.00000	99.00000	46.00000	-0.011908	45.958	0.0	0.0	0.0
38.00000	99.00000	46.00000	-0.010024	45.958	0.0	0.0	0.0
39.00000	99.00000	46.00000	-0.0083120	45.958	0.0	0.0	0.0
40.00000	99.00000	46.00000	-0.0067612	45.958	0.0	0.0	0.0
41.00000	99.00000	46.00000	-0.0053596	45.958	0.0	0.0	0.0 !
42.00000	99.00000	46.00000	-0.0040956	45.958	0.0	0.0	0.0 !
43.00000	99.00000	46.00000	-0.0029585	45.958	0.0	0.0	0.0 !
44.00000	99.00000	46.00000	-0.0019381	45.958	0.0	0.0	0.0 !
45.00000	99.00000	46.00000	-0.0010245	45.958	0.0	0.0	0.0 !
46.00000	99.00000	46.00000	-208.92E-6	45.958	0.0	0.0	0.0 !
47.00000	99.00000	46.00000	517.28E-6	45.958	0.0	0.0	0.0 !
48.00000	99.00000	46.00000	0.0011619	45.958	0.0	0.0	0.0 !
49.00000	99.00000	46.00000	0.0017323	45.958	0.0	0.0	0.0 !
50.00000	99.00000	46.00000	0.0022353	45.958	0.0	0.0	0.0 !
-10.00000	100.00000	46.00000	-0.035357	45.958	0.0	0.0	0.0
-9.00000	100.00000	46.00000	-0.039166	45.958	0.0	0.0	0.0
-8.00000	100.00000	46.00000	-0.043175	45.958	0.0	0.0	0.0
-7.00000	100.00000	46.00000	-0.047365	45.958	0.0	0.0	0.0
-6.00000	100.00000	46.00000	-0.051714	45.958	0.0	0.0	0.0
-5.00000	100.00000	46.00000	-0.056188	45.958	0.0	0.0	0.0
-4.00000	100.00000	46.00000	-0.060750	45.958	0.0	0.0	0.0
-3.00000	100.00000	46.00000	-0.065353	45.958	0.0	0.0	0.0
-2.00000	100.00000	46.00000	-0.069942	45.958	0.0	0.0	0.0
-1.00000	100.00000	46.00000	-0.074456	45.958	0.0	0.0	0.0
0.00000	100.00000	46.00000	-0.078828	45.958	0.0	0.0	0.0
1.00000	100.00000	46.00000	-0.082985	45.958	0.0	0.0	0.0
2.00000	100.00000	46.00000	-0.086853	45.958	0.0	0.0	0.0
3.00000	100.00000	46.00000	-0.090358	45.958	0.0	0.0	0.0
4.00000	100.00000	46.00000	-0.093427	45.958	0.0	0.0	0.0
5.00000	100.00000	46.00000	-0.095993	45.958	0.0	0.0	0.0
6.00000	100.00000	46.00000	-0.098000	45.958	0.0	0.0	0.0
7.00000	100.00000	46.00000	-0.099401	45.958	0.0	0.0	0.0
8.00000	100.00000	46.00000	-0.10016	45.958	0.0	0.0	0.0
9.00000	100.00000	46.00000	-0.10027	45.958	0.0	0.0	0.0
10.00000	100.00000	46.00000	-0.099715	45.958	0.0	0.0	0.0
11.00000	100.00000	46.00000	-0.098519	45.958	0.0	0.0	0.0
12.00000	100.00000	46.00000	-0.096709	45.958	0.0	0.0	0.0
13.00000	100.00000	46.00000	-0.094331	45.958	0.0	0.0	0.0
14.00000	100.00000	46.00000	-0.091438	45.958	0.0	0.0	0.0
15.00000	100.00000	46.00000	-0.088096	45.958	0.0	0.0	0.0
16.00000	100.00000	46.00000	-0.084375	45.958	0.0	0.0	0.0
17.00000	100.00000	46.00000	-0.080349	45.958	0.0	0.0	0.0
18.00000	100.00000	46.00000	-0.076092	45.958	0.0	0.0	0.0
19.00000	100.00000	46.00000	-0.071674	45.958	0.0	0.0	0.0
20.00000	100.00000	46.00000	-0.067165	45.958	0.0	0.0	0.0
21.00000	100.00000	46.00000	-0.062624	45.958	0.0	0.0	0.0
22.00000	100.00000	46.00000	-0.058108	45.958	0.0	0.0	0.0
23.00000	100.00000	46.00000	-0.053662	45.958	0.0	0.0	0.0
24.00000	100.00000	46.00000	-0.049329	45.958	0.0	0.0	0.0
25.00000	100.00000	46.00000	-0.045138	45.958	0.0	0.0	0.0

26.00000	100.00000	46.00000	-0.041116	45.958	0.0	0.0	0.0
27.00000	100.00000	46.00000	-0.037282	45.958	0.0	0.0	0.0
28.00000	100.00000	46.00000	-0.033649	45.958	0.0	0.0	0.0
29.00000	100.00000	46.00000	-0.030224	45.958	0.0	0.0	0.0
30.00000	100.00000	46.00000	-0.027012	45.958	0.0	0.0	0.0
31.00000	100.00000	46.00000	-0.024013	45.958	0.0	0.0	0.0
32.00000	100.00000	46.00000	-0.021223	45.958	0.0	0.0	0.0
33.00000	100.00000	46.00000	-0.018638	45.958	0.0	0.0	0.0
34.00000	100.00000	46.00000	-0.016252	45.958	0.0	0.0	0.0
35.00000	100.00000	46.00000	-0.014055	45.958	0.0	0.0	0.0
36.00000	100.00000	46.00000	-0.012039	45.958	0.0	0.0	0.0
37.00000	100.00000	46.00000	-0.010195	45.958	0.0	0.0	0.0
38.00000	100.00000	46.00000	-0.0085119	45.958	0.0	0.0	0.0
39.00000	100.00000	46.00000	-0.0069801	45.958	0.0	0.0	0.0
40.00000	100.00000	46.00000	-0.0055897	45.958	0.0	0.0	0.0
41.00000	100.00000	46.00000	-0.0043306	45.958	0.0	0.0	0.0 !
42.00000	100.00000	46.00000	-0.0031933	45.958	0.0	0.0	0.0 !
43.00000	100.00000	46.00000	-0.0021687	45.958	0.0	0.0	0.0 !
44.00000	100.00000	46.00000	-0.0012480	45.958	0.0	0.0	0.0 !
45.00000	100.00000	46.00000	-422.94E-6	45.958	0.0	0.0	0.0 !
46.00000	100.00000	46.00000	314.41E-6	45.958	0.0	0.0	0.0 !
47.00000	100.00000	46.00000	971.39E-6	45.958	0.0	0.0	0.0 !
48.00000	100.00000	46.00000	0.0015549	45.958	0.0	0.0	0.0 !
49.00000	100.00000	46.00000	0.0020713	45.958	0.0	0.0	0.0 !
50.00000	100.00000	46.00000	0.0025265	45.958	0.0	0.0	0.0 !
Flats 15.12350	63.30000	42.33000	2.6500	39.337	32.841	29.962	744.98E-6
16.09022	63.30000	42.33000	-2.9477	39.337	-10.335	-12.753	-219.61E-6
17.05693	63.30000	42.33000	-3.6100	39.337	-17.097	-23.383	-353.11E-6
18.02365	63.30000	42.33000	-3.5410	39.337	-17.567	-24.401	-361.16E-6
18.99037	63.30000	42.33000	-3.0308	39.337	-14.662	-21.855	-294.80E-6
19.95708	63.30000	42.33000	-2.2923	39.337	-10.084	-17.717	-190.77E-6
20.92380	63.30000	42.33000	-1.6289	39.337	-5.9803	-13.500	-99.793E-6
21.89052	63.30000	42.33000	-1.1733	39.337	-3.2996	-10.055	-43.440E-6
22.85723	63.30000	42.33000	-0.88885	39.337	-1.8097	-7.5240	-14.866E-6
23.82395	63.30000	42.33000	-0.70588	39.337	-1.0233	-5.7296	-1.8286E-6
24.79067	63.30000	42.33000	-0.57841	39.337	-0.60422	-4.4555	3.7016E-6
25.75738	63.30000	42.33000	-0.48279	39.337	-0.37289	-3.5359	5.7896E-6
26.72410	63.30000	42.33000	-0.40735	39.337	-0.23967	-2.8578	6.3304E-6
27.69082	63.30000	42.33000	-0.34599	39.337	-0.15969	-2.3472	6.1934E-6
28.65753	63.30000	42.33000	-0.29517	39.337	-0.10981	-1.9550	5.7791E-6
29.62425	63.30000	42.33000	-0.25259	39.337	-0.077615	-1.6483	5.2729E-6
30.59097	63.30000	42.33000	-0.21664	39.337	-0.056201	-1.4046	4.7592E-6
31.55768	63.30000	42.33000	-0.18611	39.337	-0.041571	-1.2082	4.2750E-6
32.52440	63.30000	42.33000	-0.16006	39.337	-0.031334	-1.0480	3.8343E-6
33.49112	63.30000	42.33000	-0.13775	39.337	-0.024018	-0.91570	3.4403E-6
34.45783	63.30000	42.33000	-0.11858	39.337	-0.018688	-0.80543	3.0912E-6
35.42455	63.30000	42.33000	-0.10206	39.337	-0.014738	-0.71266	2.7833E-6
36.39127	63.30000	42.33000	-0.087804	39.337	-0.011765	-0.63398	2.5120E-6
37.35798	63.30000	42.33000	-0.075467	39.337	-0.0094955	-0.56675	2.2729E-6
38.32470	63.30000	42.33000	-0.064775	39.337	-0.0077408	-0.50892	2.0620E-6
39.29142	63.30000	42.33000	-0.055497	39.337	-0.0063680	-0.45886	1.8756E-6
40.25813	63.30000	42.33000	-0.047436	39.337	-0.0052825	-0.41529	1.7103E-6 !
41.22485	63.30000	42.33000	-0.040424	39.337	-0.0044156	-0.37717	1.5635E-6 !
42.19157	63.30000	42.33000	-0.034322	39.337	-0.0037171	-0.34365	1.4328E-6 !

	43.15828	63.30000	42.33000	-0.029006	39.337	-0.0031494	-0.31406	1.3160E-6	!
	44.12500	63.30000	42.33000	-0.024374	39.337	-0.0026845	-0.28782	1.2115E-6	!
Flats underpin	13.12400	63.30000	40.20000	-2.6492	37.561	-9.1345	-23.006	-115.33E-6	
	14.12400	63.30000	40.20000	-1.4373	37.561	1.1245	-13.744	74.308E-6	
	15.12400	63.30000	40.20000	-1.2394	37.561	1.6579	-11.113	76.374E-6	
Single storey	14.16550	77.80000	45.15000	-3.2970	41.663	-0.0087734	-0.64068	3.8647E-6	
	15.16552	77.80000	45.15000	-2.6882	41.663	-0.010315	-0.70486	4.2257E-6	
	16.16553	77.80000	45.15000	-2.1615	41.663	-0.011524	-0.75213	4.4888E-6	
	17.16555	77.80000	45.15000	-1.7387	41.663	-0.012095	-0.77387	4.6091E-6	
	18.16557	77.80000	45.15000	-1.4126	41.663	-0.011860	-0.76548	4.5632E-6	
	19.16558	77.80000	45.15000	-1.1629	41.663	-0.010856	-0.72803	4.3567E-6	
	20.16560	77.80000	45.15000	-0.96939	41.663	-0.0093090	-0.66790	4.0225E-6	
	21.16562	77.80000	45.15000	-0.81613	41.663	-0.0075486	-0.59464	3.6104E-6	
	22.16563	77.80000	45.15000	-0.69201	41.663	-0.0058753	-0.51780	3.1714E-6	
	23.16565	77.80000	45.15000	-0.58964	41.663	-0.0044639	-0.44453	2.7455E-6	
	24.16567	77.80000	45.15000	-0.50409	41.663	-0.0033607	-0.37879	2.3570E-6	
	25.16568	77.80000	45.15000	-0.43196	41.663	-0.0025346	-0.32199	2.0163E-6	
	26.16570	77.80000	45.15000	-0.37082	41.663	-0.0019282	-0.27396	1.7245E-6	
	27.16572	77.80000	45.15000	-0.31879	41.663	-0.0014851	-0.23380	1.4780E-6	
	28.16573	77.80000	45.15000	-0.27437	41.663	-0.0011600	-0.20037	1.2711E-6	
	29.16575	77.80000	45.15000	-0.23636	41.663	-919.12E-6	-0.17257	1.0979E-6	
	30.16577	77.80000	45.15000	-0.20376	41.663	-738.36E-6	-0.14940	0.0	
	31.16578	77.80000	45.15000	-0.17573	41.663	-600.88E-6	-0.13002	0.0	
	32.16580	77.80000	45.15000	-0.15160	41.663	-494.85E-6	-0.11374	0.0	
	33.16582	77.80000	45.15000	-0.13077	41.663	-411.97E-6	-0.10000	0.0	
	34.16583	77.80000	45.15000	-0.11277	41.663	-346.33E-6	-0.088346	0.0	
	35.16585	77.80000	45.15000	-0.097193	41.663	-293.71E-6	-0.078411	0.0	
	36.16587	77.80000	45.15000	-0.083693	41.663	-251.05E-6	-0.069898	0.0	
	37.16588	77.80000	45.15000	-0.071979	41.663	-216.10E-6	-0.062567	0.0	
	38.16590	77.80000	45.15000	-0.061806	41.663	-187.20E-6	-0.056223	0.0	
	39.16592	77.80000	45.15000	-0.052963	41.663	-163.09E-6	-0.050709	0.0	
	40.16593	77.80000	45.15000	-0.045271	41.663	-142.81E-6	-0.045895	0.0	!
	41.16595	77.80000	45.15000	-0.038576	41.663	-125.63E-6	-0.041674	0.0	!
	42.16597	77.80000	45.15000	-0.032746	41.663	-110.99E-6	-0.037957	0.0	!
	43.16598	77.80000	45.15000	-0.027667	41.663	-98.433E-6	-0.034673	0.0	!
	44.16600	77.80000	45.15000	-0.023241	41.663	-87.604E-6	-0.031759	0.0	!

END\_TABLE

! Point lies outside soil zones. Results calculated for this point assume a soil zone with properties of the first soil profile.

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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

START\_TABLE

Layer	Level at top	Number of intermediate displacement levels	Youngs Modulus	Poissons ratio	Non-linear curve
	Top	Btm			
	[mOD]		[kN/m <sup>2</sup> ]	[kN/m <sup>2</sup> ]	
1	46.000	5	15000.	15000.	0.20000 None
2	45.500	5	18500.	274100.	0.50000 None

END\_TABLE

Load Data

START\_TABLE

Load ref.	Name	Load position					Load value					
		Shape	Orientation of Plane	Centre of load local x or Z (level)	Angle of Coordinates from Radius	Width x Rectangle	Length y of tolerance rectangles	Polygon (local z)	Number (local x)	Normal (local y)	Tangential	
		[m]	[m]	[m]	[Degrees]	[m]	[m]	[m]	[%]	[kN/m <sup>2</sup> ]	[kN/m <sup>2</sup> ]	[kN/m <sup>2</sup> ]
1	Unloading	Polygonal	Horizontal	N/A	N/A	40.70000	N/A	N/A	N/A	(14.2,77.9)	(14.2,80.9)	(12.1,80.9)
		(12.1,81.4)	(4.86,81.4)	(4.86,80.9)	(3.12,80.9)	(3.1,56.3)	(14.2,56.2)	(14.2,63.2)	(13.6,63.2)	(13.6,64.8)	(14.2,64.8)	(14.2,66.6)
		(13.2,66.6)	(13.2,68.8)	(14.2,68.8)	(14.2,70.8)	(13.6,70.8)	(13.6,72.3)	(14.2,72.3)	(14.2,77.9)	10.000	9	-105.00
		N/A	N/A									
2	Porters loadge	Polygonal	Horizontal	N/A	N/A	45.00000	N/A	N/A	N/A	(2.52,57)	(7.68,57)	(7.68,52.7)
		(2.52,52.7)	10.000	1	-30.000	N/A	N/A					
3	Backfill void area	Polygonal	Horizontal	N/A	N/A	42.50000	N/A	N/A	N/A	(15.1,72.3)	(20,72.3)	(20,63.9)
		(15.1,63.9)	(15.1,64.8)	(14.6,64.8)	(14.6,66.6)	(15.5,66.6)	(15.5,68.8)	(14.6,68.8)	(14.6,70.8)	(15.1,70.8)	(15.1,72.3)	10.000
		5	-41.400	N/A	N/A							
4	Underpin N	Polygonal	Horizontal	N/A	N/A	40.20000	N/A	N/A	N/A	(14.2,70.8)	(13.6,70.8)	(13.6,72.3)
		(14.2,72.3)	(14.8,72.3)	(15.1,72.3)	(15.1,70.8)	(14.6,70.8)	(14.2,70.8)	10.000	1	210.71	N/A	N/A
5	Underpin mid	Polygonal	Horizontal	N/A	N/A	40.20000	N/A	N/A	N/A	(15.5,68.8)	(15.5,66.6)	(14.6,66.6)
		(14.2,66.6)	(13.2,66.6)	(13.2,68.8)	(14.2,68.8)	(14.6,68.8)	(15.5,68.8)	10.000	1	197.46	N/A	N/A
6	Underpin S	Polygonal	Horizontal	N/A	N/A	40.20000	N/A	N/A	N/A	(15.1,64.8)	(13.6,64.8)	(13.6,63.2)
		(15.1,63.2)	(15.1,64.8)	10.000	1	210.71	N/A	N/A				

7	Underpin wall N	Polygonal	Horizontal	N/A	N/A	40.20000	N/A	N/A	N/A	(14.2,77.9)	(14.8,77.9)
				(14.8,72.3)	(14.2,72.3)	(14.2,77.9)	10.000	1	98.800	N/A	N/A
8	Underpin wall S	Polygonal	Horizontal	N/A	N/A	40.20000	N/A	N/A	N/A	(14.2,64.8)	(14.2,66.6)
				(14.6,66.6)	(14.6,64.8)	(14.2,64.8)	10.000	1	29.184	N/A	N/A
9	Underpin wall Mid	Polygonal	Horizontal	N/A	N/A	40.20000	N/A	N/A	N/A	(14.2,70.8)	(14.6,70.8)
				(14.6,68.8)	(14.2,68.8)	(14.2,70.8)	10.000	1	31.000	N/A	N/A
10	Stairway	Polygonal	Horizontal	N/A	N/A	42.50000	N/A	N/A	N/A	(16.3,63.9)	(16.3,62.7)
				(19.2,63.9)	10.000	1	-69.000	N/A	N/A		

END\_TABLE

### Warnings

(1)The displacement location of Grid 1 at (41.000, 40.000, 40.200)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]

### START\_TABLE

The maximum displacement difference between the Boussinesq method (1.2032mm) and the Mindlin method (-2.2502mm) occurs at point X = 15.12350m, Y = 63.30000m, level = 42.330mOD, and is 3.4534mm.

### END\_TABLE

### START\_TABLE

Name	Location			Displacement		Stresses			
	X	Y	Z[Level]	Z	Calc Level	Vert Stress	Sum Princ	Vert Strain	
	[m]	[m]	[mOD]	[mm]	[mOD]	[kN/m <sup>2</sup> ]	[kN/m <sup>2</sup> ]	[-]	
Unloading	8.58207	68.76130	40.70000	-8.5076	37.978	-100.39	-209.03	-650.20E-6	
Porters loadge	5.10126	54.84426	45.00000	-4.5084	41.540	-14.975	-18.845	-308.84E-6	
Backfill void area	17.45113	68.10377	42.50000	-3.6820	39.477	-29.200	-50.090	-316.70E-6	
Underpin N	14.35125	71.55336	40.20000	-1.7338	37.560	-12.324	-68.518	213.02E-6	
Underpin mid	14.35421	67.72455	40.20000	-0.27363	37.560	7.8029	-48.346	484.51E-6	
Underpin S	14.35601	64.00906	40.20000	-1.9717	37.560	-15.963	-72.775	168.02E-6	
Underpin wall N	14.52131	75.13462	40.20000	-3.0257	37.560	-31.452	-84.908	-63.802E-6	
Underpin wall S	14.35879	65.68865	40.20000	-2.0561	37.560	-14.066	-64.379	149.78E-6	
Underpin wall Mid	14.36231	69.81715	40.20000	-2.1294	37.560	-14.688	-64.009	134.66E-6	
Stairway	17.74175	63.30280	42.50000	-2.7769	39.477	-21.860	-44.588	-177.24E-6	
Grid formation	-10.00000	40.00000	40.20000	0.12696	37.560	-0.039405	-1.4973	9.3117E-6	
	-9.00000	40.00000	40.20000	0.12700	37.560	-0.045063	-1.5955	9.8602E-6	
	-8.00000	40.00000	40.20000	0.12667	37.560	-0.051482	-1.6991	10.430E-6	
	-7.00000	40.00000	40.20000	0.12597	37.560	-0.058710	-1.8079	11.018E-6	
	-6.00000	40.00000	40.20000	0.12490	37.560	-0.066772	-1.9214	11.621E-6	
	-5.00000	40.00000	40.20000	0.12346	37.560	-0.075660	-2.0388	12.234E-6	
	-4.00000	40.00000	40.20000	0.12170	37.560	-0.085313	-2.1594	12.852E-6	
	-3.00000	40.00000	40.20000	0.11964	37.560	-0.095610	-2.2816	13.470E-6	
	-2.00000	40.00000	40.20000	0.11735	37.560	-0.10635	-2.4041	14.079E-6	
	-1.00000	40.00000	40.20000	0.11490	37.560	-0.11726	-2.5247	14.672E-6	
	0.00000	40.00000	40.20000	0.11238	37.560	-0.12798	-2.6414	15.243E-6	
	1.00000	40.00000	40.20000	0.10989	37.560	-0.13808	-2.7518	15.784E-6	
	2.00000	40.00000	40.20000	0.10755	37.560	-0.14712	-2.8532	16.285E-6	

3.00000	40.00000	40.20000	0.10546	37.560	-0.15464	-2.9432	16.741E-6	
4.00000	40.00000	40.20000	0.10372	37.560	-0.16024	-3.0195	17.143E-6	
5.00000	40.00000	40.20000	0.10242	37.560	-0.16364	-3.0801	17.483E-6	
6.00000	40.00000	40.20000	0.10162	37.560	-0.16468	-3.1234	17.754E-6	
7.00000	40.00000	40.20000	0.10136	37.560	-0.16336	-3.1484	17.950E-6	
8.00000	40.00000	40.20000	0.10163	37.560	-0.15981	-3.1546	18.064E-6	
9.00000	40.00000	40.20000	0.10243	37.560	-0.15431	-3.1423	18.092E-6	
10.00000	40.00000	40.20000	0.10370	37.560	-0.14722	-3.1121	18.031E-6	
11.00000	40.00000	40.20000	0.10539	37.560	-0.13894	-3.0652	17.883E-6	
12.00000	40.00000	40.20000	0.10741	37.560	-0.12986	-3.0033	17.648E-6	
13.00000	40.00000	40.20000	0.10969	37.560	-0.12035	-2.9280	17.333E-6	
14.00000	40.00000	40.20000	0.11212	37.560	-0.11073	-2.8415	16.944E-6	
15.00000	40.00000	40.20000	0.11464	37.560	-0.10125	-2.7458	16.489E-6	
16.00000	40.00000	40.20000	0.11715	37.560	-0.092107	-2.6430	15.980E-6	
17.00000	40.00000	40.20000	0.11958	37.560	-0.083435	-2.5350	15.427E-6	
18.00000	40.00000	40.20000	0.12187	37.560	-0.075319	-2.4238	14.841E-6	
19.00000	40.00000	40.20000	0.12395	37.560	-0.067805	-2.3110	14.231E-6	
20.00000	40.00000	40.20000	0.12579	37.560	-0.060910	-2.1979	13.607E-6	
21.00000	40.00000	40.20000	0.12733	37.560	-0.054628	-2.0860	12.979E-6	
22.00000	40.00000	40.20000	0.12857	37.560	-0.048936	-1.9762	12.352E-6	
23.00000	40.00000	40.20000	0.12947	37.560	-0.043802	-1.8693	11.734E-6	
24.00000	40.00000	40.20000	0.13004	37.560	-0.039188	-1.7659	11.130E-6	
25.00000	40.00000	40.20000	0.13027	37.560	-0.035051	-1.6665	10.543E-6	
26.00000	40.00000	40.20000	0.13018	37.560	-0.031350	-1.5714	9.9755E-6	
27.00000	40.00000	40.20000	0.12976	37.560	-0.028044	-1.4808	9.4308E-6	
28.00000	40.00000	40.20000	0.12905	37.560	-0.025094	-1.3948	8.9098E-6	
29.00000	40.00000	40.20000	0.12806	37.560	-0.022464	-1.3134	8.4132E-6	
30.00000	40.00000	40.20000	0.12680	37.560	-0.020119	-1.2365	7.9415E-6	
31.00000	40.00000	40.20000	0.12531	37.560	-0.018030	-1.1640	7.4944E-6	
32.00000	40.00000	40.20000	0.12361	37.560	-0.016168	-1.0958	7.0716E-6	
33.00000	40.00000	40.20000	0.12173	37.560	-0.014509	-1.0317	6.6725E-6	
34.00000	40.00000	40.20000	0.11968	37.560	-0.013030	-0.97157	6.2963E-6	
35.00000	40.00000	40.20000	0.11748	37.560	-0.011711	-0.91516	5.9422E-6	
36.00000	40.00000	40.20000	0.11517	37.560	-0.010535	-0.86231	5.6091E-6	
37.00000	40.00000	40.20000	0.11276	37.560	-0.0094861	-0.81280	5.2961E-6	
38.00000	40.00000	40.20000	0.11027	37.560	-0.0085493	-0.76645	5.0021E-6	
39.00000	40.00000	40.20000	0.10772	37.560	-0.0077126	-0.72306	4.7261E-6	
40.00000	40.00000	40.20000	0.10512	37.560	-0.0069647	-0.68245	4.4670E-6	
41.00000	40.00000	40.20000	0.10250	37.560	-0.0062958	-0.64445	4.2240E-6	!
42.00000	40.00000	40.20000	0.099854	37.560	-0.0056971	-0.60888	3.9959E-6	!
43.00000	40.00000	40.20000	0.097207	37.560	-0.0051608	-0.57559	3.7820E-6	!
44.00000	40.00000	40.20000	0.094565	37.560	-0.0046801	-0.54442	3.5813E-6	!
45.00000	40.00000	40.20000	0.091939	37.560	-0.0042487	-0.51523	3.3929E-6	!
46.00000	40.00000	40.20000	0.089336	37.560	-0.0038614	-0.48788	3.2161E-6	!
47.00000	40.00000	40.20000	0.086764	37.560	-0.0035133	-0.46226	3.0501E-6	!
48.00000	40.00000	40.20000	0.084229	37.560	-0.0032001	-0.43824	2.8943E-6	!
49.00000	40.00000	40.20000	0.081736	37.560	-0.0029180	-0.41572	2.7479E-6	!
50.00000	40.00000	40.20000	0.079290	37.560	-0.0026638	-0.39458	2.6104E-6	!
-10.00000	41.00000	40.20000	0.12777	37.560	-0.045465	-1.6203	10.020E-6	
-9.00000	41.00000	40.20000	0.12735	37.560	-0.052440	-1.7331	10.640E-6	
-8.00000	41.00000	40.20000	0.12649	37.560	-0.060452	-1.8529	11.287E-6	
-7.00000	41.00000	40.20000	0.12516	37.560	-0.069595	-1.9796	11.957E-6	
-6.00000	41.00000	40.20000	0.12337	37.560	-0.079933	-2.1129	12.647E-6	
-5.00000	41.00000	40.20000	0.12112	37.560	-0.091490	-2.2518	13.352E-6	

-4.00000	41.00000	40.20000	0.11846	37.560	-0.10422	-2.3955	14.064E-6	
-3.00000	41.00000	40.20000	0.11541	37.560	-0.11799	-2.5425	14.777E-6	
-2.00000	41.00000	40.20000	0.11207	37.560	-0.13255	-2.6907	15.483E-6	
-1.00000	41.00000	40.20000	0.10852	37.560	-0.14752	-2.8378	16.173E-6	
0.00000	41.00000	40.20000	0.10490	37.560	-0.16240	-2.9811	16.839E-6	
1.00000	41.00000	40.20000	0.10133	37.560	-0.17657	-3.1173	17.472E-6	
2.00000	41.00000	40.20000	0.097964	37.560	-0.18933	-3.2431	18.063E-6	
3.00000	41.00000	40.20000	0.094965	37.560	-0.19999	-3.3551	18.603E-6	
4.00000	41.00000	40.20000	0.092470	37.560	-0.20794	-3.4502	19.085E-6	
5.00000	41.00000	40.20000	0.090599	37.560	-0.21270	-3.5257	19.498E-6	
6.00000	41.00000	40.20000	0.089436	37.560	-0.21405	-3.5794	19.833E-6	
7.00000	41.00000	40.20000	0.089031	37.560	-0.21197	-3.6100	20.082E-6	
8.00000	41.00000	40.20000	0.089386	37.560	-0.20672	-3.6169	20.235E-6	
9.00000	41.00000	40.20000	0.090470	37.560	-0.19872	-3.6004	20.285E-6	
10.00000	41.00000	40.20000	0.092215	37.560	-0.18855	-3.5615	20.229E-6	
11.00000	41.00000	40.20000	0.094531	37.560	-0.17680	-3.5019	20.064E-6	
12.00000	41.00000	40.20000	0.097310	37.560	-0.16409	-3.4238	19.794E-6	
13.00000	41.00000	40.20000	0.10044	37.560	-0.15095	-3.3295	19.424E-6	
14.00000	41.00000	40.20000	0.10379	37.560	-0.13782	-3.2218	18.963E-6	
15.00000	41.00000	40.20000	0.10726	37.560	-0.12505	-3.1034	18.422E-6	
16.00000	41.00000	40.20000	0.11074	37.560	-0.11287	-2.9771	17.815E-6	
17.00000	41.00000	40.20000	0.11413	37.560	-0.10146	-2.8452	17.157E-6	
18.00000	41.00000	40.20000	0.11734	37.560	-0.090902	-2.7103	16.459E-6	
19.00000	41.00000	40.20000	0.12031	37.560	-0.081234	-2.5743	15.737E-6	
20.00000	41.00000	40.20000	0.12297	37.560	-0.072455	-2.4391	15.001E-6	
21.00000	41.00000	40.20000	0.12529	37.560	-0.064536	-2.3060	14.263E-6	
22.00000	41.00000	40.20000	0.12722	37.560	-0.057431	-2.1763	13.532E-6	
23.00000	41.00000	40.20000	0.12875	37.560	-0.051080	-2.0509	12.814E-6	
24.00000	41.00000	40.20000	0.12988	37.560	-0.045422	-1.9305	12.115E-6	
25.00000	41.00000	40.20000	0.13061	37.560	-0.040393	-1.8154	11.440E-6	
26.00000	41.00000	40.20000	0.13094	37.560	-0.035928	-1.7060	10.792E-6	
27.00000	41.00000	40.20000	0.13088	37.560	-0.031970	-1.6024	10.172E-6	
28.00000	41.00000	40.20000	0.13048	37.560	-0.028463	-1.5046	9.5826E-6	
29.00000	41.00000	40.20000	0.12973	37.560	-0.025356	-1.4124	9.0234E-6	
30.00000	41.00000	40.20000	0.12868	37.560	-0.022605	-1.3259	8.4947E-6	
31.00000	41.00000	40.20000	0.12736	37.560	-0.020167	-1.2447	7.9959E-6	
32.00000	41.00000	40.20000	0.12578	37.560	-0.018008	-1.1686	7.5262E-6	
33.00000	41.00000	40.20000	0.12398	37.560	-0.016094	-1.0975	7.0846E-6	
34.00000	41.00000	40.20000	0.12199	37.560	-0.014397	-1.0310	6.6701E-6	
35.00000	41.00000	40.20000	0.11983	37.560	-0.012892	-0.96892	6.2813E-6	
36.00000	41.00000	40.20000	0.11753	37.560	-0.011555	-0.91095	5.9169E-6	
37.00000	41.00000	40.20000	0.11511	37.560	-0.010368	-0.85684	5.5756E-6	
38.00000	41.00000	40.20000	0.11260	37.560	-0.0093134	-0.80636	5.2561E-6	
39.00000	41.00000	40.20000	0.11002	37.560	-0.0083751	-0.75926	4.9571E-6	
40.00000	41.00000	40.20000	0.10738	37.560	-0.0075399	-0.71532	4.6773E-6	
41.00000	41.00000	40.20000	0.10470	37.560	-0.0067958	-0.67431	4.4155E-6	!
42.00000	41.00000	40.20000	0.10200	37.560	-0.0061323	-0.63604	4.1705E-6	!
43.00000	41.00000	40.20000	0.099284	37.560	-0.0055401	-0.60031	3.9412E-6	!
44.00000	41.00000	40.20000	0.096575	37.560	-0.0050111	-0.56694	3.7266E-6	!
45.00000	41.00000	40.20000	0.093878	37.560	-0.0045381	-0.53577	3.5258E-6	!
46.00000	41.00000	40.20000	0.091204	37.560	-0.0041147	-0.50664	3.3376E-6	!
47.00000	41.00000	40.20000	0.088560	37.560	-0.0037353	-0.47941	3.1614E-6	!
48.00000	41.00000	40.20000	0.085953	37.560	-0.0033949	-0.45393	2.9963E-6	!
49.00000	41.00000	40.20000	0.083388	37.560	-0.0030894	-0.43008	2.8414E-6	!

50.00000	41.00000	40.20000	0.080870	37.560	-0.0028146	-0.40775	2.6962E-6	!
-10.00000	42.00000	40.20000	0.12813	37.560	-0.052427	-1.7543	10.784E-6	
-9.00000	42.00000	40.20000	0.12716	37.560	-0.061017	-1.8839	11.485E-6	
-8.00000	42.00000	40.20000	0.12563	37.560	-0.071018	-2.0227	12.219E-6	
-7.00000	42.00000	40.20000	0.12352	37.560	-0.082591	-2.1706	12.984E-6	
-6.00000	42.00000	40.20000	0.12084	37.560	-0.095872	-2.3274	13.773E-6	
-5.00000	42.00000	40.20000	0.11757	37.560	-0.11094	-2.4924	14.582E-6	
-4.00000	42.00000	40.20000	0.11375	37.560	-0.12781	-2.6644	15.402E-6	
-3.00000	42.00000	40.20000	0.10945	37.560	-0.14633	-2.8418	16.225E-6	
-2.00000	42.00000	40.20000	0.10474	37.560	-0.16622	-3.0223	17.041E-6	
-1.00000	42.00000	40.20000	0.099763	37.560	-0.18696	-3.2030	17.840E-6	
0.00000	42.00000	40.20000	0.094670	37.560	-0.20784	-3.3802	18.614E-6	
1.00000	42.00000	40.20000	0.089656	37.560	-0.22795	-3.5498	19.351E-6	
2.00000	42.00000	40.20000	0.084931	37.560	-0.24621	-3.7072	20.045E-6	
3.00000	42.00000	40.20000	0.080713	37.560	-0.26156	-3.8481	20.685E-6	
4.00000	42.00000	40.20000	0.077203	37.560	-0.27299	-3.9679	21.262E-6	
5.00000	42.00000	40.20000	0.074572	37.560	-0.27979	-4.0629	21.766E-6	
6.00000	42.00000	40.20000	0.072939	37.560	-0.28154	-4.1302	22.185E-6	
7.00000	42.00000	40.20000	0.072367	37.560	-0.27829	-4.1680	22.506E-6	
8.00000	42.00000	40.20000	0.072857	37.560	-0.27042	-4.1755	22.716E-6	
9.00000	42.00000	40.20000	0.074352	37.560	-0.25866	-4.1533	22.805E-6	
10.00000	42.00000	40.20000	0.076753	37.560	-0.24389	-4.1029	22.763E-6	
11.00000	42.00000	40.20000	0.079927	37.560	-0.22708	-4.0264	22.588E-6	
12.00000	42.00000	40.20000	0.083721	37.560	-0.20912	-3.9270	22.280E-6	
13.00000	42.00000	40.20000	0.087976	37.560	-0.19081	-3.8079	21.847E-6	
14.00000	42.00000	40.20000	0.092535	37.560	-0.17277	-3.6728	21.300E-6	
15.00000	42.00000	40.20000	0.097246	37.560	-0.15544	-3.5252	20.655E-6	
16.00000	42.00000	40.20000	0.10197	37.560	-0.13913	-3.3688	19.928E-6	
17.00000	42.00000	40.20000	0.10658	37.560	-0.12404	-3.2067	19.140E-6	
18.00000	42.00000	40.20000	0.11098	37.560	-0.11023	-3.0420	18.307E-6	
19.00000	42.00000	40.20000	0.11507	37.560	-0.097734	-2.8772	17.448E-6	
20.00000	42.00000	40.20000	0.11877	37.560	-0.086510	-2.7145	16.577E-6	
21.00000	42.00000	40.20000	0.12205	37.560	-0.076493	-2.5557	15.707E-6	
22.00000	42.00000	40.20000	0.12485	37.560	-0.067594	-2.4020	14.850E-6	
23.00000	42.00000	40.20000	0.12717	37.560	-0.059718	-2.2545	14.013E-6	
24.00000	42.00000	40.20000	0.12899	37.560	-0.052764	-2.1138	13.204E-6	
25.00000	42.00000	40.20000	0.13032	37.560	-0.046637	-1.9803	12.427E-6	
26.00000	42.00000	40.20000	0.13117	37.560	-0.041242	-1.8541	11.684E-6	
27.00000	42.00000	40.20000	0.13157	37.560	-0.036496	-1.7354	10.979E-6	
28.00000	42.00000	40.20000	0.13154	37.560	-0.032321	-1.6240	10.311E-6	
29.00000	42.00000	40.20000	0.13111	37.560	-0.028649	-1.5197	9.6812E-6	
30.00000	42.00000	40.20000	0.13031	37.560	-0.025417	-1.4222	9.0884E-6	
31.00000	42.00000	40.20000	0.12919	37.560	-0.022572	-1.3313	8.5318E-6	
32.00000	42.00000	40.20000	0.12777	37.560	-0.020067	-1.2465	8.0101E-6	
33.00000	42.00000	40.20000	0.12609	37.560	-0.017858	-1.1675	7.5217E-6	
34.00000	42.00000	40.20000	0.12418	37.560	-0.015910	-1.0940	7.0650E-6	
35.00000	42.00000	40.20000	0.12208	37.560	-0.014191	-1.0257	6.6383E-6	
36.00000	42.00000	40.20000	0.11981	37.560	-0.012673	-0.96214	6.2399E-6	
37.00000	42.00000	40.20000	0.11740	37.560	-0.011331	-0.90304	5.8681E-6	
38.00000	42.00000	40.20000	0.11488	37.560	-0.010143	-0.84809	5.5211E-6	
39.00000	42.00000	40.20000	0.11227	37.560	-0.0090914	-0.79699	5.1974E-6	
40.00000	42.00000	40.20000	0.10959	37.560	-0.0081591	-0.74947	4.8953E-6	
41.00000	42.00000	40.20000	0.10686	37.560	-0.0073318	-0.70525	4.6135E-6	!
42.00000	42.00000	40.20000	0.10411	37.560	-0.0065970	-0.66410	4.3506E-6	!



43.00000	42.00000	40.20000	0.10134	37.560	-0.0059436	-0.62579	4.1051E-6	!
44.00000	42.00000	40.20000	0.098562	37.560	-0.0053620	-0.59011	3.8760E-6	!
45.00000	42.00000	40.20000	0.095798	37.560	-0.0048437	-0.55686	3.6619E-6	!
46.00000	42.00000	40.20000	0.093054	37.560	-0.0043812	-0.52585	3.4619E-6	!
47.00000	42.00000	40.20000	0.090339	37.560	-0.0039682	-0.49692	3.2750E-6	!
48.00000	42.00000	40.20000	0.087660	37.560	-0.0035988	-0.46992	3.1001E-6	!
49.00000	42.00000	40.20000	0.085024	37.560	-0.0032680	-0.44470	2.9365E-6	!
50.00000	42.00000	40.20000	0.082437	37.560	-0.0029715	-0.42113	2.7834E-6	!
-10.00000	43.00000	40.20000	0.12800	37.560	-0.060376	-1.9000	11.606E-6	
-9.00000	43.00000	40.20000	0.12634	37.560	-0.070935	-2.0491	12.399E-6	
-8.00000	43.00000	40.20000	0.12401	37.560	-0.083402	-2.2099	13.233E-6	
-7.00000	43.00000	40.20000	0.12095	37.560	-0.098046	-2.3828	14.104E-6	
-6.00000	43.00000	40.20000	0.11715	37.560	-0.11512	-2.5677	15.006E-6	
-5.00000	43.00000	40.20000	0.11261	37.560	-0.13481	-2.7641	15.933E-6	
-4.00000	43.00000	40.20000	0.10734	37.560	-0.15723	-2.9708	16.875E-6	
-3.00000	43.00000	40.20000	0.10142	37.560	-0.18227	-3.1861	17.821E-6	
-2.00000	43.00000	40.20000	0.094954	37.560	-0.20960	-3.4072	18.761E-6	
-1.00000	43.00000	40.20000	0.088096	37.560	-0.23858	-3.6305	19.682E-6	
0.00000	43.00000	40.20000	0.081063	37.560	-0.26819	-3.8515	20.573E-6	
1.00000	43.00000	40.20000	0.074117	37.560	-0.29706	-4.0645	21.427E-6	
2.00000	43.00000	40.20000	0.067557	37.560	-0.32356	-4.2636	22.235E-6	
3.00000	43.00000	40.20000	0.061691	37.560	-0.34596	-4.4424	22.988E-6	
4.00000	43.00000	40.20000	0.056812	37.560	-0.36269	-4.5950	23.680E-6	
5.00000	43.00000	40.20000	0.053165	37.560	-0.37254	-4.7160	24.297E-6	
6.00000	43.00000	40.20000	0.050922	37.560	-0.37487	-4.8014	24.826E-6	
7.00000	43.00000	40.20000	0.050163	37.560	-0.36975	-4.8486	25.249E-6	
8.00000	43.00000	40.20000	0.050876	37.560	-0.35785	-4.8568	25.546E-6	
9.00000	43.00000	40.20000	0.052970	37.560	-0.34035	-4.8268	25.698E-6	
10.00000	43.00000	40.20000	0.056289	37.560	-0.31870	-4.7607	25.690E-6	
11.00000	43.00000	40.20000	0.060637	37.560	-0.29441	-4.6618	25.514E-6	
12.00000	43.00000	40.20000	0.065800	37.560	-0.26885	-4.5342	25.170E-6	
13.00000	43.00000	40.20000	0.071557	37.560	-0.24315	-4.3824	24.666E-6	
14.00000	43.00000	40.20000	0.077697	37.560	-0.21817	-4.2114	24.017E-6	
15.00000	43.00000	40.20000	0.084023	37.560	-0.19452	-4.0260	23.244E-6	
16.00000	43.00000	40.20000	0.090355	37.560	-0.17256	-3.8308	22.371E-6	
17.00000	43.00000	40.20000	0.096536	37.560	-0.15248	-3.6301	21.423E-6	
18.00000	43.00000	40.20000	0.10243	37.560	-0.13434	-3.4278	20.424E-6	
19.00000	43.00000	40.20000	0.10793	37.560	-0.11811	-3.2269	19.397E-6	
20.00000	43.00000	40.20000	0.11295	37.560	-0.10370	-3.0302	18.360E-6	
21.00000	43.00000	40.20000	0.11742	37.560	-0.090974	-2.8397	17.332E-6	
22.00000	43.00000	40.20000	0.12131	37.560	-0.079793	-2.6569	16.324E-6	
23.00000	43.00000	40.20000	0.12459	37.560	-0.069996	-2.4828	15.346E-6	
24.00000	43.00000	40.20000	0.12726	37.560	-0.061430	-2.3180	14.407E-6	
25.00000	43.00000	40.20000	0.12933	37.560	-0.053949	-2.1627	13.510E-6	
26.00000	43.00000	40.20000	0.13082	37.560	-0.047419	-2.0171	12.660E-6	
27.00000	43.00000	40.20000	0.13176	37.560	-0.041720	-1.8810	11.856E-6	
28.00000	43.00000	40.20000	0.13219	37.560	-0.036745	-1.7540	11.099E-6	
29.00000	43.00000	40.20000	0.13214	37.560	-0.032399	-1.6358	10.389E-6	
30.00000	43.00000	40.20000	0.13166	37.560	-0.028601	-1.5260	9.7247E-6	
31.00000	43.00000	40.20000	0.13079	37.560	-0.025279	-1.4241	9.1037E-6	
32.00000	43.00000	40.20000	0.12957	37.560	-0.022370	-1.3295	8.5243E-6	
33.00000	43.00000	40.20000	0.12804	37.560	-0.019821	-1.2419	7.9843E-6	
34.00000	43.00000	40.20000	0.12624	37.560	-0.017585	-1.1608	7.4815E-6	
35.00000	43.00000	40.20000	0.12421	37.560	-0.015622	-1.0856	7.0135E-6	

36.00000	43.00000	40.20000	0.12199	37.560	-0.013897	-1.0159	6.5782E-6	
37.00000	43.00000	40.20000	0.11960	37.560	-0.012380	-0.95140	6.1734E-6	
38.00000	43.00000	40.20000	0.11709	37.560	-0.011043	-0.89163	5.7968E-6	
39.00000	43.00000	40.20000	0.11446	37.560	-0.0098646	-0.83624	5.4467E-6	
40.00000	43.00000	40.20000	0.11176	37.560	-0.0088245	-0.78488	5.1210E-6	
41.00000	43.00000	40.20000	0.10899	37.560	-0.0079054	-0.73725	4.8180E-6	!
42.00000	43.00000	40.20000	0.10618	37.560	-0.0070923	-0.69305	4.5360E-6	!
43.00000	43.00000	40.20000	0.10336	37.560	-0.0063720	-0.65201	4.2735E-6	!
44.00000	43.00000	40.20000	0.10052	37.560	-0.0057331	-0.61388	4.0290E-6	!
45.00000	43.00000	40.20000	0.097693	37.560	-0.0051657	-0.57844	3.8011E-6	!
46.00000	43.00000	40.20000	0.094881	37.560	-0.0046612	-0.54547	3.5887E-6	!
47.00000	43.00000	40.20000	0.092097	37.560	-0.0042120	-0.51478	3.3906E-6	!
48.00000	43.00000	40.20000	0.089348	37.560	-0.0038114	-0.48619	3.2057E-6	!
49.00000	43.00000	40.20000	0.086643	37.560	-0.0034538	-0.45954	3.0330E-6	!
50.00000	43.00000	40.20000	0.083986	37.560	-0.0031342	-0.43469	2.8716E-6	!
-10.00000	44.00000	40.20000	0.12732	37.560	-0.069384	-2.0580	12.490E-6	
-9.00000	44.00000	40.20000	0.12486	37.560	-0.082321	-2.2294	13.386E-6	
-8.00000	44.00000	40.20000	0.12155	37.560	-0.097822	-2.4159	14.331E-6	
-7.00000	44.00000	40.20000	0.11734	37.560	-0.11632	-2.6182	15.323E-6	
-6.00000	44.00000	40.20000	0.11218	37.560	-0.13824	-2.8367	16.354E-6	
-5.00000	44.00000	40.20000	0.10605	37.560	-0.16399	-3.0710	17.414E-6	
-4.00000	44.00000	40.20000	0.098959	37.560	-0.19382	-3.3203	18.493E-6	
-3.00000	44.00000	40.20000	0.090977	37.560	-0.22779	-3.5826	19.577E-6	
-2.00000	44.00000	40.20000	0.082225	37.560	-0.26556	-3.8550	20.651E-6	
-1.00000	44.00000	40.20000	0.072902	37.560	-0.30633	-4.1330	21.702E-6	
0.00000	44.00000	40.20000	0.063288	37.560	-0.34868	-4.4106	22.718E-6	
1.00000	44.00000	40.20000	0.053744	37.560	-0.39059	-4.6807	23.693E-6	
2.00000	44.00000	40.20000	0.044692	37.560	-0.42952	-4.9350	24.622E-6	
3.00000	44.00000	40.20000	0.036580	37.560	-0.46271	-5.1647	25.500E-6	
4.00000	44.00000	40.20000	0.029839	37.560	-0.48757	-5.3613	26.324E-6	
5.00000	44.00000	40.20000	0.024828	37.560	-0.50209	-5.5173	27.083E-6	
6.00000	44.00000	40.20000	0.021791	37.560	-0.50525	-5.6269	27.760E-6	
7.00000	44.00000	40.20000	0.020835	37.560	-0.49717	-5.6868	28.328E-6	
8.00000	44.00000	40.20000	0.021921	37.560	-0.47902	-5.6958	28.756E-6	
9.00000	44.00000	40.20000	0.024894	37.560	-0.45276	-5.6550	29.013E-6	
10.00000	44.00000	40.20000	0.029510	37.560	-0.42076	-5.5677	29.072E-6	
11.00000	44.00000	40.20000	0.035480	37.560	-0.38538	-5.4386	28.916E-6	
12.00000	44.00000	40.20000	0.042495	37.560	-0.34871	-5.2733	28.543E-6	
13.00000	44.00000	40.20000	0.050254	37.560	-0.31241	-5.0782	27.961E-6	
14.00000	44.00000	40.20000	0.058476	37.560	-0.27764	-4.8599	27.191E-6	
15.00000	44.00000	40.20000	0.066904	37.560	-0.24517	-4.6249	26.262E-6	
16.00000	44.00000	40.20000	0.075309	37.560	-0.21541	-4.3794	25.207E-6	
17.00000	44.00000	40.20000	0.083495	37.560	-0.18855	-4.1290	24.061E-6	
18.00000	44.00000	40.20000	0.091293	37.560	-0.16458	-3.8786	22.855E-6	
19.00000	44.00000	40.20000	0.098570	37.560	-0.14340	-3.6322	21.621E-6	
20.00000	44.00000	40.20000	0.10522	37.560	-0.12481	-3.3931	20.383E-6	
21.00000	44.00000	40.20000	0.11118	37.560	-0.10859	-3.1636	19.162E-6	
22.00000	44.00000	40.20000	0.11640	37.560	-0.094487	-2.9452	17.973E-6	
23.00000	44.00000	40.20000	0.12087	37.560	-0.082263	-2.7391	16.829E-6	
24.00000	44.00000	40.20000	0.12457	37.560	-0.071682	-2.5455	15.736E-6	
25.00000	44.00000	40.20000	0.12754	37.560	-0.062529	-2.3647	14.701E-6	
26.00000	44.00000	40.20000	0.12981	37.560	-0.054611	-2.1964	13.724E-6	
27.00000	44.00000	40.20000	0.13141	37.560	-0.047758	-2.0401	12.808E-6	
28.00000	44.00000	40.20000	0.13238	37.560	-0.041822	-1.8953	11.950E-6	

29.00000	44.00000	40.20000	0.13280	37.560	-0.036675	-1.7613	11.150E-6	
30.00000	44.00000	40.20000	0.13269	37.560	-0.032208	-1.6376	10.405E-6	
31.00000	44.00000	40.20000	0.13212	37.560	-0.028325	-1.5234	9.7126E-6	
32.00000	44.00000	40.20000	0.13115	37.560	-0.024947	-1.4180	9.0695E-6	
33.00000	44.00000	40.20000	0.12980	37.560	-0.022004	-1.3208	8.4729E-6	
34.00000	44.00000	40.20000	0.12815	37.560	-0.019437	-1.2312	7.9197E-6	
35.00000	44.00000	40.20000	0.12622	37.560	-0.017196	-1.1485	7.4069E-6	
36.00000	44.00000	40.20000	0.12407	37.560	-0.015236	-1.0723	6.9317E-6	
37.00000	44.00000	40.20000	0.12172	37.560	-0.013521	-1.0019	6.4913E-6	
38.00000	44.00000	40.20000	0.11922	37.560	-0.012017	-0.93695	6.0831E-6	
39.00000	44.00000	40.20000	0.11659	37.560	-0.010698	-0.87696	5.7048E-6	
40.00000	44.00000	40.20000	0.11387	37.560	-0.0095384	-0.82152	5.3539E-6	
41.00000	44.00000	40.20000	0.11107	37.560	-0.0085181	-0.77026	5.0284E-6	!
42.00000	44.00000	40.20000	0.10822	37.560	-0.0076190	-0.72282	4.7264E-6	!
43.00000	44.00000	40.20000	0.10534	37.560	-0.0068257	-0.67891	4.4459E-6	!
44.00000	44.00000	40.20000	0.10245	37.560	-0.0061246	-0.63821	4.1853E-6	!
45.00000	44.00000	40.20000	0.099557	37.560	-0.0055043	-0.60048	3.9431E-6	!
46.00000	44.00000	40.20000	0.096681	37.560	-0.0049544	-0.56546	3.7178E-6	!
47.00000	44.00000	40.20000	0.093829	37.560	-0.0044665	-0.53293	3.5080E-6	!
48.00000	44.00000	40.20000	0.091013	37.560	-0.0040327	-0.50270	3.3127E-6	!
49.00000	44.00000	40.20000	0.088239	37.560	-0.0036466	-0.47458	3.1306E-6	!
50.00000	44.00000	40.20000	0.085514	37.560	-0.0033024	-0.44839	2.9608E-6	!
-10.00000	45.00000	40.20000	0.12607	37.560	-0.079495	-2.2287	13.438E-6	
-9.00000	45.00000	40.20000	0.12265	37.560	-0.095272	-2.4256	14.448E-6	
-8.00000	45.00000	40.20000	0.11818	37.560	-0.11446	-2.6419	15.520E-6	
-7.00000	45.00000	40.20000	0.11258	37.560	-0.13774	-2.8787	16.648E-6	
-6.00000	45.00000	40.20000	0.10576	37.560	-0.16582	-3.1370	17.823E-6	
-5.00000	45.00000	40.20000	0.097677	37.560	-0.19942	-3.4172	19.034E-6	
-4.00000	45.00000	40.20000	0.088311	37.560	-0.23913	-3.7186	20.265E-6	
-3.00000	45.00000	40.20000	0.077712	37.560	-0.28526	-4.0397	21.498E-6	
-2.00000	45.00000	40.20000	0.066012	37.560	-0.33762	-4.3769	22.715E-6	
-1.00000	45.00000	40.20000	0.053450	37.560	-0.39527	-4.7251	23.898E-6	
0.00000	45.00000	40.20000	0.040392	37.560	-0.45630	-5.0769	25.037E-6	
1.00000	45.00000	40.20000	0.027330	37.560	-0.51770	-5.4225	26.127E-6	
2.00000	45.00000	40.20000	0.014867	37.560	-0.57553	-5.7507	27.172E-6	
3.00000	45.00000	40.20000	0.0036658	37.560	-0.62533	-6.0492	28.179E-6	
4.00000	45.00000	40.20000	-0.0056332	37.560	-0.66279	-6.3057	29.152E-6	
5.00000	45.00000	40.20000	-0.012494	37.560	-0.68460	-6.5096	30.087E-6	
6.00000	45.00000	40.20000	-0.016560	37.560	-0.68902	-6.6525	30.962E-6	
7.00000	45.00000	40.20000	-0.017698	37.560	-0.67630	-6.7296	31.740E-6	
8.00000	45.00000	40.20000	-0.015996	37.560	-0.64844	-6.7394	32.371E-6	
9.00000	45.00000	40.20000	-0.011721	37.560	-0.60877	-6.6840	32.800E-6	
10.00000	45.00000	40.20000	-0.0052561	37.560	-0.56115	-6.5680	32.982E-6	
11.00000	45.00000	40.20000	0.0029618	37.560	-0.50932	-6.3980	32.884E-6	
12.00000	45.00000	40.20000	0.012494	37.560	-0.45645	-6.1820	32.496E-6	
13.00000	45.00000	40.20000	0.022928	37.560	-0.40490	-5.9289	31.832E-6	
14.00000	45.00000	40.20000	0.033893	37.560	-0.35624	-5.6476	30.918E-6	
15.00000	45.00000	40.20000	0.045059	37.560	-0.31140	-5.3469	29.796E-6	
16.00000	45.00000	40.20000	0.056139	37.560	-0.27085	-5.0353	28.513E-6	
17.00000	45.00000	40.20000	0.066886	37.560	-0.23469	-4.7202	27.118E-6	
18.00000	45.00000	40.20000	0.077095	37.560	-0.20283	-4.4080	25.655E-6	
19.00000	45.00000	40.20000	0.086605	37.560	-0.17501	-4.1038	24.165E-6	
20.00000	45.00000	40.20000	0.095297	37.560	-0.15090	-3.8114	22.679E-6	
21.00000	45.00000	40.20000	0.10309	37.560	-0.13011	-3.5336	21.224E-6	

22.00000	45.00000	40.20000	0.10995	37.560	-0.11225	-3.2718	19.818E-6	
23.00000	45.00000	40.20000	0.11585	37.560	-0.096949	-3.0270	18.475E-6	
24.00000	45.00000	40.20000	0.12081	37.560	-0.083842	-2.7992	17.203E-6	
25.00000	45.00000	40.20000	0.12486	37.560	-0.072619	-2.5882	16.005E-6	
26.00000	45.00000	40.20000	0.12805	37.560	-0.063000	-2.3933	14.884E-6	
27.00000	45.00000	40.20000	0.13043	37.560	-0.054747	-2.2138	13.839E-6	
28.00000	45.00000	40.20000	0.13207	37.560	-0.047655	-2.0486	12.867E-6	
29.00000	45.00000	40.20000	0.13303	37.560	-0.041553	-1.8968	11.966E-6	
30.00000	45.00000	40.20000	0.13338	37.560	-0.036294	-1.7574	11.131E-6	
31.00000	45.00000	40.20000	0.13317	37.560	-0.031754	-1.6295	10.359E-6	
32.00000	45.00000	40.20000	0.13249	37.560	-0.027829	-1.5121	9.6462E-6	
33.00000	45.00000	40.20000	0.13137	37.560	-0.024430	-1.4043	8.9875E-6	
34.00000	45.00000	40.20000	0.12989	37.560	-0.021483	-1.3054	8.3795E-6	
35.00000	45.00000	40.20000	0.12810	37.560	-0.018925	-1.2146	7.8182E-6	
36.00000	45.00000	40.20000	0.12603	37.560	-0.016699	-1.1312	7.3000E-6	
37.00000	45.00000	40.20000	0.12374	37.560	-0.014761	-1.0545	6.8215E-6	
38.00000	45.00000	40.20000	0.12127	37.560	-0.013071	-0.98401	6.3795E-6	
39.00000	45.00000	40.20000	0.11865	37.560	-0.011594	-0.91910	5.9712E-6	
40.00000	45.00000	40.20000	0.11591	37.560	-0.010303	-0.85932	5.5937E-6	
41.00000	45.00000	40.20000	0.11309	37.560	-0.0091710	-0.80421	5.2445E-6	!
42.00000	45.00000	40.20000	0.11021	37.560	-0.0081779	-0.75337	4.9213E-6	!
43.00000	45.00000	40.20000	0.10728	37.560	-0.0073051	-0.70643	4.6220E-6	!
44.00000	45.00000	40.20000	0.10434	37.560	-0.0065367	-0.66305	4.3447E-6	!
45.00000	45.00000	40.20000	0.10139	37.560	-0.0058592	-0.62292	4.0874E-6	!
46.00000	45.00000	40.20000	0.098448	37.560	-0.0052608	-0.58577	3.8487E-6	!
47.00000	45.00000	40.20000	0.095532	37.560	-0.0047314	-0.55134	3.6269E-6	!
48.00000	45.00000	40.20000	0.092649	37.560	-0.0042624	-0.51941	3.4208E-6	!
49.00000	45.00000	40.20000	0.089809	37.560	-0.0038461	-0.48976	3.2291E-6	!
50.00000	45.00000	40.20000	0.087017	37.560	-0.0034760	-0.46221	3.0505E-6	!
-10.00000	46.00000	40.20000	0.12420	37.560	-0.090713	-2.4123	14.451E-6	
-9.00000	46.00000	40.20000	0.11967	37.560	-0.10983	-2.6383	15.590E-6	
-8.00000	46.00000	40.20000	0.11385	37.560	-0.13345	-2.8889	16.803E-6	
-7.00000	46.00000	40.20000	0.10659	37.560	-0.16258	-3.1660	18.084E-6	
-6.00000	46.00000	40.20000	0.097782	37.560	-0.19837	-3.4716	19.422E-6	
-5.00000	46.00000	40.20000	0.087310	37.560	-0.24205	-3.8068	20.802E-6	
-4.00000	46.00000	40.20000	0.075117	37.560	-0.29476	-4.1721	22.200E-6	
-3.00000	46.00000	40.20000	0.061213	37.560	-0.35733	-4.5662	23.594E-6	
-2.00000	46.00000	40.20000	0.045719	37.560	-0.42995	-4.9858	24.956E-6	
-1.00000	46.00000	40.20000	0.028905	37.560	-0.51168	-5.4247	26.264E-6	
0.00000	46.00000	40.20000	0.011237	37.560	-0.60001	-5.8738	27.507E-6	
1.00000	46.00000	40.20000	-0.0066107	37.560	-0.69057	-6.3202	28.687E-6	
2.00000	46.00000	40.20000	-0.023771	37.560	-0.77724	-6.7485	29.823E-6	
3.00000	46.00000	40.20000	-0.039262	37.560	-0.85276	-7.1410	30.944E-6	
4.00000	46.00000	40.20000	-0.052109	37.560	-0.90998	-7.4801	32.075E-6	
5.00000	46.00000	40.20000	-0.061499	37.560	-0.94327	-7.7503	33.225E-6	
6.00000	46.00000	40.20000	-0.066906	37.560	-0.94974	-7.9395	34.371E-6	
7.00000	46.00000	40.20000	-0.068165	37.560	-0.92983	-8.0407	35.457E-6	
8.00000	46.00000	40.20000	-0.065460	37.560	-0.88703	-8.0521	36.401E-6	
9.00000	46.00000	40.20000	-0.059249	37.560	-0.82692	-7.9768	37.111E-6	
10.00000	46.00000	40.20000	-0.050143	37.560	-0.75583	-7.8216	37.503E-6	
11.00000	46.00000	40.20000	-0.038799	37.560	-0.67968	-7.5961	37.523E-6	
12.00000	46.00000	40.20000	-0.025844	37.560	-0.60320	-7.3115	37.151E-6	
13.00000	46.00000	40.20000	-0.011833	37.560	-0.52971	-6.9799	36.400E-6	
14.00000	46.00000	40.20000	0.0027481	37.560	-0.46129	-6.6138	35.314E-6	

15.00000	46.00000	40.20000	0.017483	37.560	-0.39902	-6.2253	33.952E-6	
16.00000	46.00000	40.20000	0.032014	37.560	-0.34336	-5.8259	32.382E-6	
17.00000	46.00000	40.20000	0.046034	37.560	-0.29432	-5.4257	30.674E-6	
18.00000	46.00000	40.20000	0.059296	37.560	-0.25163	-5.0331	28.888E-6	
19.00000	46.00000	40.20000	0.071607	37.560	-0.21482	-4.6548	27.079E-6	
20.00000	46.00000	40.20000	0.082832	37.560	-0.18334	-4.2951	25.288E-6	
21.00000	46.00000	40.20000	0.092887	37.560	-0.15655	-3.9571	23.548E-6	
22.00000	46.00000	40.20000	0.10174	37.560	-0.13383	-3.6421	21.881E-6	
23.00000	46.00000	40.20000	0.10938	37.560	-0.11459	-3.3505	20.302E-6	
24.00000	46.00000	40.20000	0.11585	37.560	-0.098308	-3.0819	18.818E-6	
25.00000	46.00000	40.20000	0.12119	37.560	-0.084511	-2.8353	17.433E-6	
26.00000	46.00000	40.20000	0.12548	37.560	-0.072803	-2.6095	16.146E-6	
27.00000	46.00000	40.20000	0.12879	37.560	-0.062848	-2.4031	14.954E-6	
28.00000	46.00000	40.20000	0.13120	37.560	-0.054366	-2.2147	13.853E-6	
29.00000	46.00000	40.20000	0.13281	37.560	-0.047123	-2.0426	12.838E-6	
30.00000	46.00000	40.20000	0.13368	37.560	-0.040927	-1.8857	11.904E-6	
31.00000	46.00000	40.20000	0.13391	37.560	-0.035615	-1.7425	11.044E-6	
32.00000	46.00000	40.20000	0.13357	37.560	-0.031052	-1.6118	10.254E-6	
33.00000	46.00000	40.20000	0.13273	37.560	-0.027127	-1.4925	9.5281E-6	
34.00000	46.00000	40.20000	0.13146	37.560	-0.023743	-1.3835	8.8605E-6	
35.00000	46.00000	40.20000	0.12982	37.560	-0.020822	-1.2838	8.2469E-6	
36.00000	46.00000	40.20000	0.12786	37.560	-0.018295	-1.1927	7.6825E-6	
37.00000	46.00000	40.20000	0.12565	37.560	-0.016107	-1.1092	7.1633E-6	
38.00000	46.00000	40.20000	0.12323	37.560	-0.014207	-1.0327	6.6855E-6	
39.00000	46.00000	40.20000	0.12063	37.560	-0.012556	-0.96259	6.2453E-6	
40.00000	46.00000	40.20000	0.11789	37.560	-0.011119	-0.89821	5.8397E-6	
41.00000	46.00000	40.20000	0.11505	37.560	-0.0098651	-0.83904	5.4656E-6	!
42.00000	46.00000	40.20000	0.11214	37.560	-0.0087694	-0.78462	5.1203E-6	!
43.00000	46.00000	40.20000	0.10917	37.560	-0.0078102	-0.73451	4.8014E-6	!
44.00000	46.00000	40.20000	0.10618	37.560	-0.0069691	-0.68832	4.5066E-6	!
45.00000	46.00000	40.20000	0.10317	37.560	-0.0062302	-0.64571	4.2338E-6	!
46.00000	46.00000	40.20000	0.10018	37.560	-0.0055798	-0.60634	3.9812E-6	!
47.00000	46.00000	40.20000	0.097200	37.560	-0.0050064	-0.56995	3.7470E-6	!
48.00000	46.00000	40.20000	0.094253	37.560	-0.0044998	-0.53626	3.5298E-6	!
49.00000	46.00000	40.20000	0.091348	37.560	-0.0040517	-0.50504	3.3281E-6	!
50.00000	46.00000	40.20000	0.088492	37.560	-0.0036544	-0.47609	3.1407E-6	!
-10.00000	47.00000	40.20000	0.12172	37.560	-0.10299	-2.6090	15.530E-6	
-9.00000	47.00000	40.20000	0.11591	37.560	-0.12597	-2.8678	16.813E-6	
-8.00000	47.00000	40.20000	0.10850	37.560	-0.15480	-3.1575	18.185E-6	
-7.00000	47.00000	40.20000	0.099312	37.560	-0.19098	-3.4814	19.638E-6	
-6.00000	47.00000	40.20000	0.088133	37.560	-0.23627	-3.8426	21.160E-6	
-5.00000	47.00000	40.20000	0.074784	37.560	-0.29266	-4.2439	22.727E-6	
-4.00000	47.00000	40.20000	0.059121	37.560	-0.36222	-4.6870	24.311E-6	
-3.00000	47.00000	40.20000	0.041079	37.560	-0.44672	-5.1719	25.873E-6	
-2.00000	47.00000	40.20000	0.020731	37.560	-0.54716	-5.6958	27.376E-6	
-1.00000	47.00000	40.20000	-0.0016429	37.560	-0.66291	-6.2522	28.788E-6	
0.00000	47.00000	40.20000	-0.025471	37.560	-0.79091	-6.8296	30.094E-6	
1.00000	47.00000	40.20000	-0.049841	37.560	-0.92491	-7.4115	31.309E-6	
2.00000	47.00000	40.20000	-0.073505	37.560	-1.0555	-7.9763	32.477E-6	
3.00000	47.00000	40.20000	-0.094988	37.560	-1.1709	-8.4989	33.669E-6	
4.00000	47.00000	40.20000	-0.11280	37.560	-1.2592	-8.9536	34.950E-6	
5.00000	47.00000	40.20000	-0.12568	37.560	-1.3108	-9.3172	36.359E-6	
6.00000	47.00000	40.20000	-0.13284	37.560	-1.3209	-9.5721	37.876E-6	
7.00000	47.00000	40.20000	-0.13409	37.560	-1.2902	-9.7080	39.415E-6	

8.00000	47.00000	40.20000	-0.12979	37.560	-1.2248	-9.7227	40.840E-6	
9.00000	47.00000	40.20000	-0.12072	37.560	-1.1339	-9.6210	41.993E-6	
10.00000	47.00000	40.20000	-0.10785	37.560	-1.0280	-9.4127	42.734E-6	
11.00000	47.00000	40.20000	-0.092170	37.560	-0.91618	-9.1116	42.965E-6	
12.00000	47.00000	40.20000	-0.074569	37.560	-0.80550	-8.7332	42.652E-6	
13.00000	47.00000	40.20000	-0.055787	37.560	-0.70052	-8.2944	41.816E-6	
14.00000	47.00000	40.20000	-0.036440	37.560	-0.60383	-7.8126	40.521E-6	
15.00000	47.00000	40.20000	-0.017050	37.560	-0.51673	-7.3048	38.856E-6	
16.00000	47.00000	40.20000	0.0019376	37.560	-0.43963	-6.7870	36.923E-6	
17.00000	47.00000	40.20000	0.020147	37.560	-0.37242	-6.2735	34.816E-6	
18.00000	47.00000	40.20000	0.037275	37.560	-0.31461	-5.7754	32.624E-6	
19.00000	47.00000	40.20000	0.053096	37.560	-0.26545	-5.3010	30.417E-6	
20.00000	47.00000	40.20000	0.067461	37.560	-0.22399	-4.8558	28.250E-6	
21.00000	47.00000	40.20000	0.080289	37.560	-0.18922	-4.4425	26.164E-6	
22.00000	47.00000	40.20000	0.091560	37.560	-0.16015	-4.0620	24.184E-6	
23.00000	47.00000	40.20000	0.10130	37.560	-0.13587	-3.7139	22.325E-6	
24.00000	47.00000	40.20000	0.10956	37.560	-0.11557	-3.3965	20.593E-6	
25.00000	47.00000	40.20000	0.11644	37.560	-0.098563	-3.1081	18.990E-6	
26.00000	47.00000	40.20000	0.12202	37.560	-0.084282	-2.8464	17.513E-6	
27.00000	47.00000	40.20000	0.12642	37.560	-0.072254	-2.6092	16.154E-6	
28.00000	47.00000	40.20000	0.12974	37.560	-0.062094	-2.3942	14.909E-6	
29.00000	47.00000	40.20000	0.13209	37.560	-0.053489	-2.1994	13.767E-6	
30.00000	47.00000	40.20000	0.13358	37.560	-0.046182	-2.0228	12.723E-6	
31.00000	47.00000	40.20000	0.13431	37.560	-0.039962	-1.8626	11.767E-6	
32.00000	47.00000	40.20000	0.13437	37.560	-0.034656	-1.7173	10.893E-6	
33.00000	47.00000	40.20000	0.13385	37.560	-0.030120	-1.5852	10.094E-6	
34.00000	47.00000	40.20000	0.13282	37.560	-0.026235	-1.4652	9.3621E-6	
35.00000	47.00000	40.20000	0.13137	37.560	-0.022901	-1.3560	8.6922E-6	
36.00000	47.00000	40.20000	0.12956	37.560	-0.020034	-1.2565	8.0786E-6	
37.00000	47.00000	40.20000	0.12744	37.560	-0.017563	-1.1658	7.5161E-6	
38.00000	47.00000	40.20000	0.12508	37.560	-0.015431	-1.0830	7.0002E-6	
39.00000	47.00000	40.20000	0.12252	37.560	-0.013587	-1.0073	6.5265E-6	
40.00000	47.00000	40.20000	0.11979	37.560	-0.011988	-0.93808	6.0913E-6	
41.00000	47.00000	40.20000	0.11694	37.560	-0.010601	-0.87465	5.6912E-6	!
42.00000	47.00000	40.20000	0.11401	37.560	-0.0093934	-0.81648	5.3228E-6	!
43.00000	47.00000	40.20000	0.11101	37.560	-0.0083408	-0.76306	4.9835E-6	!
44.00000	47.00000	40.20000	0.10797	37.560	-0.0074214	-0.71396	4.6705E-6	!
45.00000	47.00000	40.20000	0.10492	37.560	-0.0066166	-0.66876	4.3816E-6	!
46.00000	47.00000	40.20000	0.10186	37.560	-0.0059109	-0.62711	4.1147E-6	!
47.00000	47.00000	40.20000	0.098828	37.560	-0.0052907	-0.58869	3.8678E-6	!
48.00000	47.00000	40.20000	0.095821	37.560	-0.0047446	-0.55320	3.6393E-6	!
49.00000	47.00000	40.20000	0.092853	37.560	-0.0042629	-0.52039	3.4274E-6	!
50.00000	47.00000	40.20000	0.089934	37.560	-0.0038370	-0.49001	3.2309E-6	!
-10.00000	48.00000	40.20000	0.11861	37.560	-0.11620	-2.8182	16.675E-6	
-9.00000	48.00000	40.20000	0.11135	37.560	-0.14356	-3.1139	18.118E-6	
-8.00000	48.00000	40.20000	0.10215	37.560	-0.17841	-3.4480	19.668E-6	
-7.00000	48.00000	40.20000	0.090715	37.560	-0.22287	-3.8256	21.317E-6	
-6.00000	48.00000	40.20000	0.076765	37.560	-0.27959	-4.2518	23.046E-6	
-5.00000	48.00000	40.20000	0.059995	37.560	-0.35170	-4.7317	24.825E-6	
-4.00000	48.00000	40.20000	0.040131	37.560	-0.44265	-5.2692	26.612E-6	
-3.00000	48.00000	40.20000	0.016974	37.560	-0.55584	-5.8665	28.352E-6	
-2.00000	48.00000	40.20000	-0.0095153	37.560	-0.69378	-6.5224	29.987E-6	
-1.00000	48.00000	40.20000	-0.039096	37.560	-0.85687	-7.2307	31.466E-6	
0.00000	48.00000	40.20000	-0.071105	37.560	-1.0417	-7.9780	32.768E-6	

1.00000	48.00000	40.20000	-0.10433	37.560	-1.2398	-8.7430	33.921E-6	
2.00000	48.00000	40.20000	-0.13699	37.560	-1.4367	-9.4959	35.015E-6	
3.00000	48.00000	40.20000	-0.16686	37.560	-1.6137	-10.201	36.189E-6	
4.00000	48.00000	40.20000	-0.19163	37.560	-1.7509	-10.819	37.586E-6	
5.00000	48.00000	40.20000	-0.20937	37.560	-1.8322	-11.317	39.299E-6	
6.00000	48.00000	40.20000	-0.21887	37.560	-1.8492	-11.667	41.317E-6	
7.00000	48.00000	40.20000	-0.21990	37.560	-1.8033	-11.854	43.513E-6	
8.00000	48.00000	40.20000	-0.21316	37.560	-1.7047	-11.876	45.662E-6	
9.00000	48.00000	40.20000	-0.19993	37.560	-1.5687	-11.741	47.497E-6	
10.00000	48.00000	40.20000	-0.18177	37.560	-1.4121	-11.461	48.782E-6	
11.00000	48.00000	40.20000	-0.16014	37.560	-1.2489	-11.056	49.358E-6	
12.00000	48.00000	40.20000	-0.13628	37.560	-1.0891	-10.549	49.168E-6	
13.00000	48.00000	40.20000	-0.11116	37.560	-0.93889	-9.9620	48.248E-6	
14.00000	48.00000	40.20000	-0.085535	37.560	-0.80141	-9.3199	46.696E-6	
15.00000	48.00000	40.20000	-0.060062	37.560	-0.67824	-8.6472	44.649E-6	
16.00000	48.00000	40.20000	-0.035298	37.560	-0.56997	-7.9674	42.252E-6	
17.00000	48.00000	40.20000	-0.011713	37.560	-0.47647	-7.3003	39.642E-6	
18.00000	48.00000	40.20000	0.010320	37.560	-0.39706	-6.6616	36.938E-6	
19.00000	48.00000	40.20000	0.030540	37.560	-0.33053	-6.0618	34.236E-6	
20.00000	48.00000	40.20000	0.048790	37.560	-0.27535	-5.5070	31.607E-6	
21.00000	48.00000	40.20000	0.065007	37.560	-0.22984	-4.9993	29.101E-6	
22.00000	48.00000	40.20000	0.079203	37.560	-0.19242	-4.5382	26.746E-6	
23.00000	48.00000	40.20000	0.091446	37.560	-0.16162	-4.1216	24.556E-6	
24.00000	48.00000	40.20000	0.10184	37.560	-0.13623	-3.7463	22.536E-6	
25.00000	48.00000	40.20000	0.11051	37.560	-0.11521	-3.4088	20.683E-6	
26.00000	48.00000	40.20000	0.11761	37.560	-0.097756	-3.1054	18.989E-6	
27.00000	48.00000	40.20000	0.12327	37.560	-0.083196	-2.8329	17.443E-6	
28.00000	48.00000	40.20000	0.12764	37.560	-0.071009	-2.5878	16.035E-6	
29.00000	48.00000	40.20000	0.13086	37.560	-0.060771	-2.3674	14.754E-6	
30.00000	48.00000	40.20000	0.13306	37.560	-0.052145	-2.1688	13.588E-6	
31.00000	48.00000	40.20000	0.13436	37.560	-0.044857	-1.9899	12.528E-6	
32.00000	48.00000	40.20000	0.13488	37.560	-0.038684	-1.8285	11.563E-6	
33.00000	48.00000	40.20000	0.13473	37.560	-0.033442	-1.6826	10.684E-6	
34.00000	48.00000	40.20000	0.13399	37.560	-0.028981	-1.5506	9.8832E-6	
35.00000	48.00000	40.20000	0.13276	37.560	-0.025176	-1.4311	9.1532E-6	
36.00000	48.00000	40.20000	0.13111	37.560	-0.021923	-1.3227	8.4871E-6	
37.00000	48.00000	40.20000	0.12911	37.560	-0.019137	-1.2242	7.8788E-6	
38.00000	48.00000	40.20000	0.12683	37.560	-0.016745	-1.1347	7.3227E-6	
39.00000	48.00000	40.20000	0.12431	37.560	-0.014687	-1.0532	6.8138E-6	
40.00000	48.00000	40.20000	0.12161	37.560	-0.012912	-0.97882	6.3477E-6	
41.00000	48.00000	40.20000	0.11876	37.560	-0.011378	-0.91093	5.9203E-6	!
42.00000	48.00000	40.20000	0.11581	37.560	-0.010049	-0.84884	5.5280E-6	!
43.00000	48.00000	40.20000	0.11278	37.560	-0.0088961	-0.79199	5.1675E-6	!
44.00000	48.00000	40.20000	0.10971	37.560	-0.0078927	-0.73987	4.8359E-6	!
45.00000	48.00000	40.20000	0.10661	37.560	-0.0070178	-0.69201	4.5305E-6	!
46.00000	48.00000	40.20000	0.10351	37.560	-0.0062532	-0.64801	4.2489E-6	!
47.00000	48.00000	40.20000	0.10041	37.560	-0.0055836	-0.60751	3.9890E-6	!
48.00000	48.00000	40.20000	0.097348	37.560	-0.0049959	-0.57018	3.7488E-6	!
49.00000	48.00000	40.20000	0.094320	37.560	-0.0044790	-0.53573	3.5267E-6	!
50.00000	48.00000	40.20000	0.091340	37.560	-0.0040234	-0.50389	3.3209E-6	!
-10.00000	49.00000	40.20000	0.11491	37.560	-0.13014	-3.0393	17.886E-6	
-9.00000	49.00000	40.20000	0.10603	37.560	-0.16234	-3.3758	19.506E-6	
-8.00000	49.00000	40.20000	0.094800	37.560	-0.20395	-3.7598	21.256E-6	
-7.00000	49.00000	40.20000	0.080827	37.560	-0.25792	-4.1986	23.125E-6	

-6.00000	49.00000	40.20000	0.063690	37.560	-0.32804	-4.7001	25.091E-6	
-5.00000	49.00000	40.20000	0.042927	37.560	-0.41904	-5.2724	27.112E-6	
-4.00000	49.00000	40.20000	0.018069	37.560	-0.53644	-5.9234	29.130E-6	
-3.00000	49.00000	40.20000	-0.011299	37.560	-0.68618	-6.6589	31.063E-6	
-2.00000	49.00000	40.20000	-0.045424	37.560	-0.87348	-7.4812	32.821E-6	
-1.00000	49.00000	40.20000	-0.084202	37.560	-1.1010	-8.3859	34.322E-6	
0.00000	49.00000	40.20000	-0.12693	37.560	-1.3658	-9.3586	35.525E-6	
1.00000	49.00000	40.20000	-0.17205	37.560	-1.6568	-10.372	36.476E-6	
2.00000	49.00000	40.20000	-0.21704	37.560	-1.9528	-11.387	37.330E-6	
3.00000	49.00000	40.20000	-0.25859	37.560	-2.2240	-12.349	38.336E-6	
4.00000	49.00000	40.20000	-0.29314	37.560	-2.4380	-13.204	39.769E-6	
5.00000	49.00000	40.20000	-0.31768	37.560	-2.5677	-13.896	41.818E-6	
6.00000	49.00000	40.20000	-0.33037	37.560	-2.5990	-14.388	44.500E-6	
7.00000	49.00000	40.20000	-0.33098	37.560	-2.5340	-14.655	47.621E-6	
8.00000	49.00000	40.20000	-0.32070	37.560	-2.3893	-14.694	50.817E-6	
9.00000	49.00000	40.20000	-0.30165	37.560	-2.1900	-14.516	53.651E-6	
10.00000	49.00000	40.20000	-0.27624	37.560	-1.9620	-14.141	55.739E-6	
11.00000	49.00000	40.20000	-0.24662	37.560	-1.7264	-13.595	56.829E-6	
12.00000	49.00000	40.20000	-0.21443	37.560	-1.4969	-12.909	56.842E-6	
13.00000	49.00000	40.20000	-0.18091	37.560	-1.2813	-12.114	55.839E-6	
14.00000	49.00000	40.20000	-0.14700	37.560	-1.0837	-11.245	53.977E-6	
15.00000	49.00000	40.20000	-0.11352	37.560	-0.90647	-10.340	51.455E-6	
16.00000	49.00000	40.20000	-0.081204	37.560	-0.75111	-9.4330	48.479E-6	
17.00000	49.00000	40.20000	-0.050669	37.560	-0.61814	-8.5543	45.239E-6	
18.00000	49.00000	40.20000	-0.022382	37.560	-0.50681	-7.7257	41.899E-6	
19.00000	49.00000	40.20000	0.0033575	37.560	-0.41525	-6.9604	38.587E-6	
20.00000	49.00000	40.20000	0.026406	37.560	-0.34082	-6.2644	35.395E-6	
21.00000	49.00000	40.20000	0.046747	37.560	-0.28069	-5.6378	32.382E-6	
22.00000	49.00000	40.20000	0.064456	37.560	-0.23216	-5.0775	29.582E-6	
23.00000	49.00000	40.20000	0.079673	37.560	-0.19292	-4.5782	27.005E-6	
24.00000	49.00000	40.20000	0.092571	37.560	-0.16103	-4.1341	24.652E-6	
25.00000	49.00000	40.20000	0.10334	37.560	-0.13499	-3.7391	22.513E-6	
26.00000	49.00000	40.20000	0.11219	37.560	-0.11361	-3.3878	20.574E-6	
27.00000	49.00000	40.20000	0.11930	37.560	-0.095951	-3.0749	18.819E-6	
28.00000	49.00000	40.20000	0.12487	37.560	-0.081307	-2.7959	17.231E-6	
29.00000	49.00000	40.20000	0.12908	37.560	-0.069111	-2.5467	15.796E-6	
30.00000	49.00000	40.20000	0.13208	37.560	-0.058917	-2.3239	14.498E-6	
31.00000	49.00000	40.20000	0.13404	37.560	-0.050370	-2.1243	13.324E-6	
32.00000	49.00000	40.20000	0.13509	37.560	-0.043183	-1.9453	12.260E-6	
33.00000	49.00000	40.20000	0.13535	37.560	-0.037123	-1.7843	11.296E-6	
34.00000	49.00000	40.20000	0.13494	37.560	-0.032001	-1.6395	10.422E-6	
35.00000	49.00000	40.20000	0.13396	37.560	-0.027660	-1.5089	9.6282E-6	
36.00000	49.00000	40.20000	0.13251	37.560	-0.023973	-1.3910	8.9066E-6	
37.00000	49.00000	40.20000	0.13065	37.560	-0.020832	-1.2843	8.2500E-6	
38.00000	49.00000	40.20000	0.12846	37.560	-0.018152	-1.1877	7.6518E-6	
39.00000	49.00000	40.20000	0.12600	37.560	-0.015857	-1.1000	7.1062E-6	
40.00000	49.00000	40.20000	0.12334	37.560	-0.013889	-1.0203	6.6079E-6	
41.00000	49.00000	40.20000	0.12050	37.560	-0.012196	-0.94773	6.1523E-6	!
42.00000	49.00000	40.20000	0.11754	37.560	-0.010737	-0.88159	5.7352E-6	!
43.00000	49.00000	40.20000	0.11450	37.560	-0.0094751	-0.82119	5.3529E-6	!
44.00000	49.00000	40.20000	0.11139	37.560	-0.0083819	-0.76595	5.0021E-6	!
45.00000	49.00000	40.20000	0.10825	37.560	-0.0074324	-0.71536	4.6797E-6	!
46.00000	49.00000	40.20000	0.10510	37.560	-0.0066056	-0.66896	4.3832E-6	!
47.00000	49.00000	40.20000	0.10195	37.560	-0.0058840	-0.62633	4.1100E-6	!



48.00000	49.00000	40.20000	0.098829	37.560	-0.0052527	-0.58713	3.8580E-6	!
49.00000	49.00000	40.20000	0.095744	37.560	-0.0046992	-0.55101	3.6254E-6	!
50.00000	49.00000	40.20000	0.092705	37.560	-0.0042127	-0.51770	3.4103E-6	!
-10.00000	50.00000	40.20000	0.11066	37.560	-0.14455	-3.2711	19.159E-6	
-9.00000	50.00000	40.20000	0.10001	37.560	-0.18193	-3.6523	20.976E-6	
-8.00000	50.00000	40.20000	0.086536	37.560	-0.23091	-4.0917	22.950E-6	
-7.00000	50.00000	40.20000	0.069734	37.560	-0.29544	-4.5992	25.071E-6	
-6.00000	50.00000	40.20000	0.049008	37.560	-0.38077	-5.1867	27.309E-6	
-5.00000	50.00000	40.20000	0.023686	37.560	-0.49373	-5.8668	29.613E-6	
-4.00000	50.00000	40.20000	-0.0069719	37.560	-0.64277	-6.6527	31.900E-6	
-3.00000	50.00000	40.20000	-0.043702	37.560	-0.83759	-7.5567	34.058E-6	
-2.00000	50.00000	40.20000	-0.087095	37.560	-1.0879	-8.5872	35.946E-6	
-1.00000	50.00000	40.20000	-0.13734	37.560	-1.4006	-9.7448	37.429E-6	
0.00000	50.00000	40.20000	-0.19380	37.560	-1.7752	-11.017	38.429E-6	
1.00000	50.00000	40.20000	-0.25460	37.560	-2.1985	-12.371	38.998E-6	
2.00000	50.00000	40.20000	-0.31625	37.560	-2.6404	-13.753	39.378E-6	
3.00000	50.00000	40.20000	-0.37391	37.560	-3.0550	-15.087	39.986E-6	
4.00000	50.00000	40.20000	-0.42216	37.560	-3.3899	-16.286	41.302E-6	
5.00000	50.00000	40.20000	-0.45632	37.560	-3.6002	-17.269	43.679E-6	
6.00000	50.00000	40.20000	-0.47362	37.560	-3.6619	-17.974	47.186E-6	
7.00000	50.00000	40.20000	-0.47381	37.560	-3.5781	-18.367	51.535E-6	
8.00000	50.00000	40.20000	-0.45886	37.560	-3.3752	-18.442	56.153E-6	
9.00000	50.00000	40.20000	-0.43213	37.560	-3.0923	-18.215	60.354E-6	
10.00000	50.00000	40.20000	-0.39721	37.560	-2.7687	-17.716	63.537E-6	
11.00000	50.00000	40.20000	-0.35714	37.560	-2.4341	-16.978	65.332E-6	
12.00000	50.00000	40.20000	-0.31404	37.560	-2.1063	-16.040	65.638E-6	
13.00000	50.00000	40.20000	-0.26941	37.560	-1.7946	-14.947	64.571E-6	
14.00000	50.00000	40.20000	-0.22442	37.560	-1.5046	-13.750	62.365E-6	
15.00000	50.00000	40.20000	-0.18019	37.560	-1.2419	-12.508	59.299E-6	
16.00000	50.00000	40.20000	-0.13779	37.560	-1.0113	-11.275	55.646E-6	
17.00000	50.00000	40.20000	-0.098114	37.560	-0.81604	-10.099	51.658E-6	
18.00000	50.00000	40.20000	-0.061773	37.560	-0.65565	-9.0095	47.553E-6	
19.00000	50.00000	40.20000	-0.029082	37.560	-0.52692	-8.0238	43.505E-6	
20.00000	50.00000	40.20000	-113.56E-6	37.560	-0.42499	-7.1450	39.636E-6	
21.00000	50.00000	40.20000	0.025223	37.560	-0.34469	-6.3689	36.022E-6	
22.00000	50.00000	40.20000	0.047125	37.560	-0.28134	-5.6867	32.699E-6	
23.00000	50.00000	40.20000	0.065844	37.560	-0.23109	-5.0880	29.675E-6	
24.00000	50.00000	40.20000	0.081659	37.560	-0.19092	-4.5626	26.941E-6	
25.00000	50.00000	40.20000	0.094854	37.560	-0.15857	-4.1009	24.479E-6	
26.00000	50.00000	40.20000	0.10571	37.560	-0.13231	-3.6945	22.266E-6	
27.00000	50.00000	40.20000	0.11448	37.560	-0.11085	-3.3358	20.279E-6	
28.00000	50.00000	40.20000	0.12141	37.560	-0.093225	-3.0187	18.494E-6	
29.00000	50.00000	40.20000	0.12673	37.560	-0.078672	-2.7376	16.891E-6	
30.00000	50.00000	40.20000	0.13065	37.560	-0.066609	-2.4879	15.450E-6	
31.00000	50.00000	40.20000	0.13334	37.560	-0.056576	-2.2657	14.152E-6	
32.00000	50.00000	40.20000	0.13498	37.560	-0.048204	-2.0675	12.984E-6	
33.00000	50.00000	40.20000	0.13571	37.560	-0.041197	-1.8903	11.929E-6	
34.00000	50.00000	40.20000	0.13567	37.560	-0.035316	-1.7316	10.977E-6	
35.00000	50.00000	40.20000	0.13498	37.560	-0.030366	-1.5892	10.115E-6	
36.00000	50.00000	40.20000	0.13374	37.560	-0.026189	-1.4611	9.3355E-6	
37.00000	50.00000	40.20000	0.13205	37.560	-0.022653	-1.3458	8.6283E-6	
38.00000	50.00000	40.20000	0.12997	37.560	-0.019652	-1.2417	7.9861E-6	
39.00000	50.00000	40.20000	0.12759	37.560	-0.017099	-1.1476	7.4023E-6	
40.00000	50.00000	40.20000	0.12497	37.560	-0.014919	-1.0623	6.8707E-6	

41.00000	50.00000	40.20000	0.12216	37.560	-0.013054	-0.98492	6.3860E-6	!
42.00000	50.00000	40.20000	0.11920	37.560	-0.011454	-0.91458	5.9435E-6	!
43.00000	50.00000	40.20000	0.11614	37.560	-0.010076	-0.85052	5.5389E-6	!
44.00000	50.00000	40.20000	0.11300	37.560	-0.0088874	-0.79209	5.1684E-6	!
45.00000	50.00000	40.20000	0.10982	37.560	-0.0078590	-0.73871	4.8288E-6	!
46.00000	50.00000	40.20000	0.10663	37.560	-0.0069668	-0.68985	4.5170E-6	!
47.00000	50.00000	40.20000	0.10344	37.560	-0.0061907	-0.64507	4.2303E-6	!
48.00000	50.00000	40.20000	0.10026	37.560	-0.0055140	-0.60397	3.9665E-6	!
49.00000	50.00000	40.20000	0.097122	37.560	-0.0049225	-0.56618	3.7233E-6	!
50.00000	50.00000	40.20000	0.094027	37.560	-0.0044041	-0.53138	3.4988E-6	!
-10.00000	51.00000	40.20000	0.10591	37.560	-0.15905	-3.5119	20.491E-6	
-9.00000	51.00000	40.20000	0.093361	37.560	-0.20182	-3.9414	22.525E-6	
-8.00000	51.00000	40.20000	0.077470	37.560	-0.25856	-4.4413	24.751E-6	
-7.00000	51.00000	40.20000	0.057585	37.560	-0.33439	-5.0251	27.157E-6	
-6.00000	51.00000	40.20000	0.032916	37.560	-0.43635	-5.7094	29.712E-6	
-5.00000	51.00000	40.20000	0.0025221	37.560	-0.57388	-6.5131	32.353E-6	
-4.00000	51.00000	40.20000	-0.034683	37.560	-0.75929	-7.4573	34.973E-6	
-3.00000	51.00000	40.20000	-0.079880	37.560	-1.0077	-8.5640	37.415E-6	
-2.00000	51.00000	40.20000	-0.13418	37.560	-1.3355	-9.8527	39.474E-6	
-1.00000	51.00000	40.20000	-0.19828	37.560	-1.7576	-11.335	40.934E-6	
0.00000	51.00000	40.20000	-0.27188	37.560	-2.2795	-13.005	41.637E-6	
1.00000	51.00000	40.20000	-0.35290	37.560	-2.8886	-14.829	41.613E-6	
2.00000	51.00000	40.20000	-0.43678	37.560	-3.5449	-16.735	41.190E-6	
3.00000	51.00000	40.20000	-0.51657	37.560	-4.1795	-18.613	41.017E-6	
4.00000	51.00000	40.20000	-0.58412	37.560	-4.7083	-20.329	41.894E-6	
5.00000	51.00000	40.20000	-0.63224	37.560	-5.0569	-21.754	44.450E-6	
6.00000	51.00000	40.20000	-0.65671	37.560	-5.1847	-22.788	48.845E-6	
7.00000	51.00000	40.20000	-0.65726	37.560	-5.0953	-23.382	54.665E-6	
8.00000	51.00000	40.20000	-0.63701	37.560	-4.8297	-23.529	61.042E-6	
9.00000	51.00000	40.20000	-0.60100	37.560	-4.4467	-23.254	66.940E-6	
10.00000	51.00000	40.20000	-0.55438	37.560	-4.0027	-22.594	71.477E-6	
11.00000	51.00000	40.20000	-0.50117	37.560	-3.5369	-21.592	74.150E-6	
12.00000	51.00000	40.20000	-0.44392	37.560	-3.0695	-20.296	74.869E-6	
13.00000	51.00000	40.20000	-0.38432	37.560	-2.6101	-18.766	73.843E-6	
14.00000	51.00000	40.20000	-0.32390	37.560	-2.1685	-17.081	71.406E-6	
15.00000	51.00000	40.20000	-0.26450	37.560	-1.7596	-15.334	67.893E-6	
16.00000	51.00000	40.20000	-0.20800	37.560	-1.4001	-13.620	63.605E-6	
17.00000	51.00000	40.20000	-0.15589	37.560	-1.1004	-12.015	58.838E-6	
18.00000	51.00000	40.20000	-0.10896	37.560	-0.86117	-10.563	53.882E-6	
19.00000	51.00000	40.20000	-0.067445	37.560	-0.67572	-9.2819	48.986E-6	
20.00000	51.00000	40.20000	-0.031179	37.560	-0.53389	-8.1667	44.329E-6	
21.00000	51.00000	40.20000	175.49E-6	37.560	-0.42559	-7.2030	40.015E-6	
22.00000	51.00000	40.20000	0.027036	37.560	-0.34239	-6.3720	36.090E-6	
23.00000	51.00000	40.20000	0.049843	37.560	-0.27780	-5.6548	32.555E-6	
24.00000	51.00000	40.20000	0.069027	37.560	-0.22706	-5.0342	29.393E-6	
25.00000	51.00000	40.20000	0.084997	37.560	-0.18676	-4.4955	26.572E-6	
26.00000	51.00000	40.20000	0.098132	37.560	-0.15444	-4.0262	24.058E-6	
27.00000	51.00000	40.20000	0.10878	37.560	-0.12831	-3.6160	21.817E-6	
28.00000	51.00000	40.20000	0.11724	37.560	-0.10704	-3.2562	19.819E-6	
29.00000	51.00000	40.20000	0.12382	37.560	-0.089645	-2.9398	18.034E-6	
30.00000	51.00000	40.20000	0.12875	37.560	-0.075350	-2.6606	16.439E-6	
31.00000	51.00000	40.20000	0.13226	37.560	-0.063559	-2.4137	15.010E-6	
32.00000	51.00000	40.20000	0.13456	37.560	-0.053800	-2.1947	13.730E-6	
33.00000	51.00000	40.20000	0.13581	37.560	-0.045697	-2.0000	12.579E-6	

34.00000	51.00000	40.20000	0.13619	37.560	-0.038946	-1.8266	11.544E-6	
35.00000	51.00000	40.20000	0.13581	37.560	-0.033305	-1.6716	10.612E-6	
36.00000	51.00000	40.20000	0.13482	37.560	-0.028577	-1.5329	9.7716E-6	
37.00000	51.00000	40.20000	0.13330	37.560	-0.024601	-1.4084	9.0118E-6	
38.00000	51.00000	40.20000	0.13136	37.560	-0.021247	-1.2965	8.3241E-6	
39.00000	51.00000	40.20000	0.12907	37.560	-0.018409	-1.1957	7.7008E-6	
40.00000	51.00000	40.20000	0.12651	37.560	-0.016000	-1.1047	7.1349E-6	
41.00000	51.00000	40.20000	0.12372	37.560	-0.013949	-1.0223	6.6203E-6	!
42.00000	51.00000	40.20000	0.12077	37.560	-0.012197	-0.94766	6.1518E-6	!
43.00000	51.00000	40.20000	0.11770	37.560	-0.010697	-0.87986	5.7244E-6	!
44.00000	51.00000	40.20000	0.11455	37.560	-0.0094071	-0.81817	5.3340E-6	!
45.00000	51.00000	40.20000	0.11134	37.560	-0.0082956	-0.76195	4.9768E-6	!
46.00000	51.00000	40.20000	0.10810	37.560	-0.0073349	-0.71061	4.6496E-6	!
47.00000	51.00000	40.20000	0.10486	37.560	-0.0065022	-0.66365	4.3494E-6	!
48.00000	51.00000	40.20000	0.10164	37.560	-0.0057785	-0.62063	4.0736E-6	!
49.00000	51.00000	40.20000	0.098450	37.560	-0.0051477	-0.58115	3.8198E-6	!
50.00000	51.00000	40.20000	0.095302	37.560	-0.0045965	-0.54487	3.5860E-6	!
-10.00000	52.00000	40.20000	0.10077	37.560	-0.17324	-3.7595	21.876E-6	
-9.00000	52.00000	40.20000	0.086210	37.560	-0.22141	-4.2405	24.148E-6	
-8.00000	52.00000	40.20000	0.067761	37.560	-0.28601	-4.8055	26.654E-6	
-7.00000	52.00000	40.20000	0.044599	37.560	-0.37345	-5.4725	29.387E-6	
-6.00000	52.00000	40.20000	0.015708	37.560	-0.49278	-6.2638	32.313E-6	
-5.00000	52.00000	40.20000	-0.020162	37.560	-0.65660	-7.2067	35.361E-6	
-4.00000	52.00000	40.20000	-0.064519	37.560	-0.88203	-8.3334	38.402E-6	
-3.00000	52.00000	40.20000	-0.11911	37.560	-1.1914	-9.6803	41.231E-6	
-2.00000	52.00000	40.20000	-0.18579	37.560	-1.6114	-11.285	43.559E-6	
-1.00000	52.00000	40.20000	-0.26610	37.560	-2.1699	-13.181	45.042E-6	
0.00000	52.00000	40.20000	-0.36055	37.560	-2.8869	-15.380	45.369E-6	
1.00000	52.00000	40.20000	-0.46738	37.560	-3.7587	-17.858	44.441E-6	
2.00000	52.00000	40.20000	-0.58118	37.560	-4.7387	-20.527	42.611E-6	
3.00000	52.00000	40.20000	-0.69230	37.560	-5.7264	-23.225	40.827E-6	
4.00000	52.00000	40.20000	-0.78834	37.560	-6.5834	-25.737	40.426E-6	
5.00000	52.00000	40.20000	-0.85793	37.560	-7.1816	-27.846	42.550E-6	
6.00000	52.00000	40.20000	-0.89461	37.560	-7.4514	-29.396	47.551E-6	
7.00000	52.00000	40.20000	-0.89814	37.560	-7.3979	-30.313	54.825E-6	
8.00000	52.00000	40.20000	-0.87336	37.560	-7.0843	-30.595	63.082E-6	
9.00000	52.00000	40.20000	-0.82754	37.560	-6.5972	-30.280	70.823E-6	
10.00000	52.00000	40.20000	-0.76762	37.560	-6.0126	-29.418	76.838E-6	
11.00000	52.00000	40.20000	-0.69850	37.560	-5.3766	-28.054	80.519E-6	
12.00000	52.00000	40.20000	-0.62272	37.560	-4.7049	-26.242	81.886E-6	
13.00000	52.00000	40.20000	-0.54177	37.560	-4.0020	-24.055	81.355E-6	
14.00000	52.00000	40.20000	-0.45787	37.560	-3.2871	-21.614	79.356E-6	
15.00000	52.00000	40.20000	-0.37479	37.560	-2.6043	-19.085	76.114E-6	
16.00000	52.00000	40.20000	-0.29675	37.560	-2.0049	-16.639	71.741E-6	
17.00000	52.00000	40.20000	-0.22661	37.560	-1.5194	-14.404	66.484E-6	
18.00000	52.00000	40.20000	-0.16529	37.560	-1.1489	-12.444	60.750E-6	
19.00000	52.00000	40.20000	-0.11242	37.560	-0.87521	-10.765	54.960E-6	
20.00000	52.00000	40.20000	-0.067168	37.560	-0.67512	-9.3455	49.428E-6	
21.00000	52.00000	40.20000	-0.028619	37.560	-0.52803	-8.1489	44.327E-6	
22.00000	52.00000	40.20000	0.0040524	37.560	-0.41835	-7.1383	39.725E-6	
23.00000	52.00000	40.20000	0.031581	37.560	-0.33514	-6.2813	35.624E-6	
24.00000	52.00000	40.20000	0.054617	37.560	-0.27092	-5.5503	31.989E-6	
25.00000	52.00000	40.20000	0.073735	37.560	-0.22061	-4.9236	28.776E-6	
26.00000	52.00000	40.20000	0.089441	37.560	-0.18073	-4.3833	25.936E-6	

27.00000	52.00000	40.20000	0.10219	37.560	-0.14881	-3.9153	23.423E-6	
28.00000	52.00000	40.20000	0.11236	37.560	-0.12309	-3.5083	21.196E-6	
29.00000	52.00000	40.20000	0.12033	37.560	-0.10225	-3.1530	19.218E-6	
30.00000	52.00000	40.20000	0.12638	37.560	-0.085282	-2.8416	17.460E-6	
31.00000	52.00000	40.20000	0.13080	37.560	-0.071410	-2.5679	15.893E-6	
32.00000	52.00000	40.20000	0.13382	37.560	-0.060027	-2.3266	14.494E-6	
33.00000	52.00000	40.20000	0.13565	37.560	-0.050654	-2.1132	13.243E-6	
34.00000	52.00000	40.20000	0.13648	37.560	-0.042909	-1.9240	12.122E-6	
35.00000	52.00000	40.20000	0.13646	37.560	-0.036485	-1.7558	11.117E-6	
36.00000	52.00000	40.20000	0.13573	37.560	-0.031140	-1.6059	10.213E-6	
37.00000	52.00000	40.20000	0.13442	37.560	-0.026675	-1.4719	9.3983E-6	
38.00000	52.00000	40.20000	0.13262	37.560	-0.022933	-1.3519	8.6637E-6	
39.00000	52.00000	40.20000	0.13044	37.560	-0.019785	-1.2441	7.9999E-6	
40.00000	52.00000	40.20000	0.12794	37.560	-0.017129	-1.1472	7.3990E-6	
41.00000	52.00000	40.20000	0.12520	37.560	-0.014878	-1.0597	6.8540E-6	!
42.00000	52.00000	40.20000	0.12226	37.560	-0.012965	-0.98065	6.3590E-6	!
43.00000	52.00000	40.20000	0.11919	37.560	-0.011334	-0.90904	5.9085E-6	!
44.00000	52.00000	40.20000	0.11602	37.560	-0.0099382	-0.84406	5.4980E-6	!
45.00000	52.00000	40.20000	0.11278	37.560	-0.0087399	-0.78496	5.1232E-6	!
46.00000	52.00000	40.20000	0.10951	37.560	-0.0077081	-0.73112	4.7806E-6	!
47.00000	52.00000	40.20000	0.10623	37.560	-0.0068168	-0.68197	4.4668E-6	!
48.00000	52.00000	40.20000	0.10296	37.560	-0.0060445	-0.63703	4.1790E-6	!
49.00000	52.00000	40.20000	0.099724	37.560	-0.0053735	-0.59586	3.9146E-6	!
50.00000	52.00000	40.20000	0.096526	37.560	-0.0047888	-0.55809	3.6714E-6	!
-10.00000	53.00000	40.20000	0.095328	37.560	-0.18670	-4.0112	23.303E-6	
-9.00000	53.00000	40.20000	0.078697	37.560	-0.24005	-4.5462	25.835E-6	
-8.00000	53.00000	40.20000	0.057602	37.560	-0.31225	-5.1800	28.652E-6	
-7.00000	53.00000	40.20000	0.031043	37.560	-0.41107	-5.9358	31.753E-6	
-6.00000	53.00000	40.20000	-0.0022381	37.560	-0.54772	-6.8433	35.113E-6	
-5.00000	53.00000	40.20000	-0.043830	37.560	-0.73830	-7.9399	38.657E-6	
-4.00000	53.00000	40.20000	-0.095724	37.560	-1.0057	-9.2724	42.238E-6	
-3.00000	53.00000	40.20000	-0.16035	37.560	-1.3814	-10.898	45.603E-6	
-2.00000	53.00000	40.20000	-0.24055	37.560	-1.9072	-12.883	48.358E-6	
-1.00000	53.00000	40.20000	-0.33924	37.560	-2.6330	-15.298	49.958E-6	
0.00000	53.00000	40.20000	-0.45879	37.560	-3.6097	-18.199	49.762E-6	
1.00000	53.00000	40.20000	-0.59938	37.560	-4.8665	-21.596	47.241E-6	
2.00000	53.00000	40.20000	-0.75627	37.560	-6.3704	-25.399	42.460E-6	
3.00000	53.00000	40.20000	-0.91654	37.560	-7.9778	-29.371	36.713E-6	
4.00000	53.00000	40.20000	-1.0598	37.560	-9.4426	-33.142	32.506E-6	
5.00000	53.00000	40.20000	-1.1661	37.560	-10.521	-36.334	32.228E-6	
6.00000	53.00000	40.20000	-1.2252	37.560	-11.087	-38.691	36.659E-6	
7.00000	53.00000	40.20000	-1.2378	37.560	-11.161	-40.116	44.791E-6	
8.00000	53.00000	40.20000	-1.2117	37.560	-10.847	-40.629	54.613E-6	
9.00000	53.00000	40.20000	-1.1575	37.560	-10.273	-40.297	63.994E-6	
10.00000	53.00000	40.20000	-1.0838	37.560	-9.5371	-39.182	71.375E-6	
11.00000	53.00000	40.20000	-0.99584	37.560	-8.6812	-37.325	76.177E-6	
12.00000	53.00000	40.20000	-0.89462	37.560	-7.6948	-34.760	78.836E-6	
13.00000	53.00000	40.20000	-0.77978	37.560	-6.5555	-31.562	80.325E-6	
14.00000	53.00000	40.20000	-0.65450	37.560	-5.2990	-27.920	81.184E-6	
15.00000	53.00000	40.20000	-0.52836	37.560	-4.0540	-24.139	80.875E-6	
16.00000	53.00000	40.20000	-0.41286	37.560	-2.9761	-20.551	78.479E-6	
17.00000	53.00000	40.20000	-0.31419	37.560	-2.1459	-17.379	73.881E-6	
18.00000	53.00000	40.20000	-0.23236	37.560	-1.5526	-14.703	67.832E-6	
19.00000	53.00000	40.20000	-0.16469	37.560	-1.1418	-12.498	61.259E-6	

20.0000	53.0000	40.2000	-0.10840	37.560	-0.85764	-10.693	54.826E-6	
21.0000	53.0000	40.2000	-0.061334	37.560	-0.65756	-9.2117	48.880E-6	
22.0000	53.0000	40.2000	-0.021936	37.560	-0.51302	-7.9883	43.547E-6	
23.0000	53.0000	40.2000	0.010987	37.560	-0.40581	-6.9688	38.835E-6	
24.0000	53.0000	40.2000	0.038385	37.560	-0.32440	-6.1117	34.696E-6	
25.0000	53.0000	40.2000	0.061043	37.560	-0.26144	-5.3853	31.067E-6	
26.0000	53.0000	40.2000	0.079626	37.560	-0.21207	-4.7656	27.882E-6	
27.0000	53.0000	40.2000	0.094706	37.560	-0.17297	-4.2335	25.082E-6	
28.0000	53.0000	40.2000	0.10678	37.560	-0.14177	-3.7744	22.614E-6	
29.0000	53.0000	40.2000	0.11627	37.560	-0.11674	-3.3765	20.434E-6	
30.0000	53.0000	40.2000	0.12356	37.560	-0.096559	-3.0302	18.505E-6	
31.0000	53.0000	40.2000	0.12896	37.560	-0.080219	-2.7277	16.793E-6	
32.0000	53.0000	40.2000	0.13277	37.560	-0.066937	-2.4625	15.271E-6	
33.0000	53.0000	40.2000	0.13523	37.560	-0.056098	-2.2292	13.916E-6	
34.0000	53.0000	40.2000	0.13655	37.560	-0.047216	-2.0234	12.706E-6	
35.0000	53.0000	40.2000	0.13691	37.560	-0.039910	-1.8413	11.625E-6	
36.0000	53.0000	40.2000	0.13648	37.560	-0.033876	-1.6797	10.655E-6	
37.0000	53.0000	40.2000	0.13539	37.560	-0.028872	-1.5358	9.7855E-6	
38.0000	53.0000	40.2000	0.13376	37.560	-0.024705	-1.4074	9.0030E-6	
39.0000	53.0000	40.2000	0.13169	37.560	-0.021222	-1.2926	8.2979E-6	
40.0000	53.0000	40.2000	0.12927	37.560	-0.018299	-1.1895	7.6614E-6	
41.0000	53.0000	40.2000	0.12658	37.560	-0.015836	-1.0969	7.0856E-6	!
42.0000	53.0000	40.2000	0.12367	37.560	-0.013753	-1.0134	6.5639E-6	!
43.0000	53.0000	40.2000	0.12060	37.560	-0.011984	-0.93791	6.0903E-6	!
44.0000	53.0000	40.2000	0.11742	37.560	-0.010478	-0.86960	5.6595E-6	!
45.0000	53.0000	40.2000	0.11416	37.560	-0.0091892	-0.80762	5.2671E-6	!
46.0000	53.0000	40.2000	0.11086	37.560	-0.0080838	-0.75127	4.9090E-6	!
47.0000	53.0000	40.2000	0.10754	37.560	-0.0071323	-0.69993	4.5817E-6	!
48.0000	53.0000	40.2000	0.10423	37.560	-0.0063105	-0.65308	4.2820E-6	!
49.0000	53.0000	40.2000	0.10094	37.560	-0.0055985	-0.61024	4.0071E-6	!
50.0000	53.0000	40.2000	0.097696	37.560	-0.0049798	-0.57100	3.7547E-6	!
-10.0000	54.0000	40.2000	0.089703	37.560	-0.19903	-4.2641	24.761E-6	
-9.0000	54.0000	40.2000	0.070979	37.560	-0.25711	-4.8546	27.572E-6	
-8.0000	54.0000	40.2000	0.047211	37.560	-0.33632	-5.5598	30.728E-6	
-7.0000	54.0000	40.2000	0.017223	37.560	-0.44572	-6.4086	34.243E-6	
-6.0000	54.0000	40.2000	-0.020489	37.560	-0.59869	-7.4390	38.103E-6	
-5.0000	54.0000	40.2000	-0.067863	37.560	-0.81506	-8.7008	42.240E-6	
-4.0000	54.0000	40.2000	-0.12740	37.560	-1.1242	-10.259	46.502E-6	
-3.0000	54.0000	40.2000	-0.20232	37.560	-1.5691	-12.200	50.591E-6	
-2.0000	54.0000	40.2000	-0.29673	37.560	-2.2120	-14.630	53.979E-6	
-1.0000	54.0000	40.2000	-0.41581	37.560	-3.1399	-17.682	55.792E-6	
0.0000	54.0000	40.2000	-0.56588	37.560	-4.4668	-21.498	54.677E-6	
1.0000	54.0000	40.2000	-0.75353	37.560	-6.3153	-26.180	48.847E-6	
2.0000	54.0000	40.2000	-0.98044	37.560	-8.7366	-31.684	36.962E-6	
3.0000	54.0000	40.2000	-1.2310	37.560	-11.543	-37.665	20.498E-6	
4.0000	54.0000	40.2000	-1.4656	37.560	-14.232	-43.461	5.1675E-6	
5.0000	54.0000	40.2000	-1.6422	37.560	-16.266	-48.366	-2.9262E-6	
6.0000	54.0000	40.2000	-1.7438	37.560	-17.423	-51.957	-2.0991E-6	
7.0000	54.0000	40.2000	-1.7765	37.560	-17.784	-54.144	5.3472E-6	
8.0000	54.0000	40.2000	-1.7555	37.560	-17.557	-55.016	15.836E-6	
9.0000	54.0000	40.2000	-1.6964	37.560	-16.939	-54.700	26.226E-6	
10.0000	54.0000	40.2000	-1.6099	37.560	-16.051	-53.278	34.601E-6	
11.0000	54.0000	40.2000	-1.4996	37.560	-14.909	-50.759	40.736E-6	
12.0000	54.0000	40.2000	-1.3610	37.560	-13.418	-47.109	46.276E-6	

13.00000	54.00000	40.20000	-1.1857	37.560	-11.455	-42.357	53.957E-6	
14.00000	54.00000	40.20000	-0.97628	37.560	-9.0617	-36.778	64.773E-6	
15.00000	54.00000	40.20000	-0.75999	37.560	-6.6037	-30.964	75.306E-6	
16.00000	54.00000	40.20000	-0.57130	37.560	-4.5438	-25.583	80.700E-6	
17.00000	54.00000	40.20000	-0.42390	37.560	-3.0730	-21.033	79.768E-6	
18.00000	54.00000	40.20000	-0.31184	37.560	-2.1094	-17.374	74.587E-6	
19.00000	54.00000	40.20000	-0.22479	37.560	-1.4924	-14.488	67.594E-6	
20.00000	54.00000	40.20000	-0.15509	37.560	-1.0911	-12.209	60.335E-6	
21.00000	54.00000	40.20000	-0.098112	37.560	-0.82082	-10.391	53.538E-6	
22.00000	54.00000	40.20000	-0.051032	37.560	-0.63126	-8.9217	47.455E-6	
23.00000	54.00000	40.20000	-0.012010	37.560	-0.49335	-7.7173	42.115E-6	
24.00000	54.00000	40.20000	0.020289	37.560	-0.39004	-6.7180	37.461E-6	
25.00000	54.00000	40.20000	0.046904	37.560	-0.31099	-5.8804	33.407E-6	
26.00000	54.00000	40.20000	0.068685	37.560	-0.24963	-5.1724	29.869E-6	
27.00000	54.00000	40.20000	0.086347	37.560	-0.20152	-4.5698	26.774E-6	
28.00000	54.00000	40.20000	0.10050	37.560	-0.16354	-4.0537	24.059E-6	
29.00000	54.00000	40.20000	0.11167	37.560	-0.13339	-3.6096	21.671E-6	
30.00000	54.00000	40.20000	0.12030	37.560	-0.10934	-3.2256	19.565E-6	
31.00000	54.00000	40.20000	0.12678	37.560	-0.090078	-2.8922	17.704E-6	
32.00000	54.00000	40.20000	0.13144	37.560	-0.074576	-2.6016	16.056E-6	
33.00000	54.00000	40.20000	0.13457	37.560	-0.062047	-2.3474	14.593E-6	
34.00000	54.00000	40.20000	0.13642	37.560	-0.051874	-2.1242	13.292E-6	
35.00000	54.00000	40.20000	0.13719	37.560	-0.043578	-1.9276	12.133E-6	
36.00000	54.00000	40.20000	0.13708	37.560	-0.036779	-1.7538	11.097E-6	
37.00000	54.00000	40.20000	0.13623	37.560	-0.031183	-1.5998	10.171E-6	
38.00000	54.00000	40.20000	0.13477	37.560	-0.026556	-1.4628	9.3396E-6	
39.00000	54.00000	40.20000	0.13283	37.560	-0.022712	-1.3407	8.5928E-6	
40.00000	54.00000	40.20000	0.13050	37.560	-0.019504	-1.2315	7.9204E-6	
41.00000	54.00000	40.20000	0.12786	37.560	-0.016816	-1.1336	7.3137E-6	!
42.00000	54.00000	40.20000	0.12498	37.560	-0.014554	-1.0456	6.7653E-6	!
43.00000	54.00000	40.20000	0.12192	37.560	-0.012643	-0.96628	6.2685E-6	!
44.00000	54.00000	40.20000	0.11873	37.560	-0.011021	-0.89464	5.8176E-6	!
45.00000	54.00000	40.20000	0.11546	37.560	-0.0096400	-0.82978	5.4077E-6	!
46.00000	54.00000	40.20000	0.11213	37.560	-0.0084593	-0.77094	5.0342E-6	!
47.00000	54.00000	40.20000	0.10878	37.560	-0.0074464	-0.71744	4.6935E-6	!
48.00000	54.00000	40.20000	0.10543	37.560	-0.0065743	-0.66870	4.3821E-6	!
49.00000	54.00000	40.20000	0.10210	37.560	-0.0058210	-0.62421	4.0969E-6	!
50.00000	54.00000	40.20000	0.098808	37.560	-0.0051682	-0.58352	3.8354E-6	!
-10.00000	55.00000	40.20000	0.084015	37.560	-0.20988	-4.5149	26.234E-6	
-9.00000	55.00000	40.20000	0.063221	37.560	-0.27208	-5.1614	29.340E-6	
-8.00000	55.00000	40.20000	0.036816	37.560	-0.35738	-5.9389	32.862E-6	
-7.00000	55.00000	40.20000	0.0034557	37.560	-0.47604	-6.8827	36.831E-6	
-6.00000	55.00000	40.20000	-0.038599	37.560	-0.64348	-8.0400	41.253E-6	
-5.00000	55.00000	40.20000	-0.091620	37.560	-0.88325	-9.4745	46.083E-6	
-4.00000	55.00000	40.20000	-0.15862	37.560	-1.2316	-11.273	51.173E-6	
-3.00000	55.00000	40.20000	-0.24366	37.560	-1.7448	-13.556	56.190E-6	
-2.00000	55.00000	40.20000	-0.35245	37.560	-2.5122	-16.487	60.438E-6	
-1.00000	55.00000	40.20000	-0.49354	37.560	-3.6766	-20.290	62.526E-6	
0.00000	55.00000	40.20000	-0.68088	37.560	-5.4668	-25.247	59.732E-6	
1.00000	55.00000	40.20000	-0.93673	37.560	-8.2182	-31.653	47.256E-6	
2.00000	55.00000	40.20000	-1.2853	37.560	-12.255	-39.622	19.294E-6	
3.00000	55.00000	40.20000	-1.7145	37.560	-17.401	-48.690	-23.725E-6	
4.00000	55.00000	40.20000	-2.1357	37.560	-22.537	-57.638	-67.346E-6	
5.00000	55.00000	40.20000	-2.4483	37.560	-26.390	-65.124	-94.846E-6	

6.00000	55.00000	40.20000	-2.6256	37.560	-28.592	-70.485	-103.26E-6	
7.00000	55.00000	40.20000	-2.6940	37.560	-29.462	-73.722	-99.010E-6	
8.00000	55.00000	40.20000	-2.6868	37.560	-29.436	-75.091	-89.236E-6	
9.00000	55.00000	40.20000	-2.6281	37.560	-28.834	-74.831	-78.804E-6	
10.00000	55.00000	40.20000	-2.5307	37.560	-27.803	-73.045	-69.981E-6	
11.00000	55.00000	40.20000	-2.3938	37.560	-26.291	-69.676	-62.096E-6	
12.00000	55.00000	40.20000	-2.1989	37.560	-24.015	-64.537	-50.690E-6	
13.00000	55.00000	40.20000	-1.9130	37.560	-20.553	-57.497	-28.107E-6	
14.00000	55.00000	40.20000	-1.5295	37.560	-15.865	-48.911	8.8776E-6	
15.00000	55.00000	40.20000	-1.1218	37.560	-10.907	-39.912	48.558E-6	
16.00000	55.00000	40.20000	-0.78992	37.560	-6.9501	-31.843	74.222E-6	
17.00000	55.00000	40.20000	-0.56023	37.560	-4.3748	-25.366	82.656E-6	
18.00000	55.00000	40.20000	-0.40461	37.560	-2.8438	-20.433	80.361E-6	
19.00000	55.00000	40.20000	-0.29293	37.560	-1.9399	-16.715	73.568E-6	
20.00000	55.00000	40.20000	-0.20744	37.560	-1.3856	-13.882	65.667E-6	
21.00000	55.00000	40.20000	-0.13914	37.560	-1.0262	-11.681	58.086E-6	
22.00000	55.00000	40.20000	-0.083398	37.560	-0.77974	-9.9354	51.291E-6	
23.00000	55.00000	40.20000	-0.037522	37.560	-0.60271	-8.5251	45.355E-6	
24.00000	55.00000	40.20000	267.38E-6	37.560	-0.47127	-7.3683	40.206E-6	
25.00000	55.00000	40.20000	0.031296	37.560	-0.37154	-6.4078	35.741E-6	
26.00000	55.00000	40.20000	0.056623	37.560	-0.29484	-5.6028	31.859E-6	
27.00000	55.00000	40.20000	0.077131	37.560	-0.23535	-4.9229	28.473E-6	
28.00000	55.00000	40.20000	0.093563	37.560	-0.18891	-4.3449	25.511E-6	
29.00000	55.00000	40.20000	0.10655	37.560	-0.15249	-3.8509	22.913E-6	
30.00000	55.00000	40.20000	0.11663	37.560	-0.12379	-3.4265	20.629E-6	
31.00000	55.00000	40.20000	0.12426	37.560	-0.10106	-3.0603	18.617E-6	
32.00000	55.00000	40.20000	0.12983	37.560	-0.082975	-2.7430	16.840E-6	
33.00000	55.00000	40.20000	0.13368	37.560	-0.068508	-2.4668	15.269E-6	
34.00000	55.00000	40.20000	0.13609	37.560	-0.056877	-2.2255	13.875E-6	
35.00000	55.00000	40.20000	0.13730	37.560	-0.047476	-2.0139	12.637E-6	
36.00000	55.00000	40.20000	0.13752	37.560	-0.039837	-1.8277	11.534E-6	
37.00000	55.00000	40.20000	0.13693	37.560	-0.033596	-1.6633	10.551E-6	
38.00000	55.00000	40.20000	0.13566	37.560	-0.028472	-1.5177	9.6709E-6	
39.00000	55.00000	40.20000	0.13386	37.560	-0.024243	-1.3882	8.8824E-6	
40.00000	55.00000	40.20000	0.13162	37.560	-0.020735	-1.2728	8.1742E-6	
41.00000	55.00000	40.20000	0.12904	37.560	-0.017812	-1.1696	7.5367E-6	!
42.00000	55.00000	40.20000	0.12620	37.560	-0.015363	-1.0771	6.9617E-6	!
43.00000	55.00000	40.20000	0.12316	37.560	-0.013304	-0.99395	6.4419E-6	!
44.00000	55.00000	40.20000	0.11997	37.560	-0.011565	-0.91901	5.9712E-6	!
45.00000	55.00000	40.20000	0.11668	37.560	-0.010089	-0.85132	5.5440E-6	!
46.00000	55.00000	40.20000	0.11333	37.560	-0.0088315	-0.79002	5.1555E-6	!
47.00000	55.00000	40.20000	0.10994	37.560	-0.0077566	-0.73439	4.8016E-6	!
48.00000	55.00000	40.20000	0.10656	37.560	-0.0068340	-0.68379	4.4787E-6	!
49.00000	55.00000	40.20000	0.10319	37.560	-0.0060393	-0.63768	4.1834E-6	!
50.00000	55.00000	40.20000	0.099860	37.560	-0.0053524	-0.59557	3.9130E-6	!
-10.00000	56.00000	40.20000	0.078384	37.560	-0.21900	-4.7601	27.705E-6	
-9.00000	56.00000	40.20000	0.055583	37.560	-0.28457	-5.4620	31.117E-6	
-8.00000	56.00000	40.20000	0.026635	37.560	-0.37483	-6.3113	35.023E-6	
-7.00000	56.00000	40.20000	-0.0099593	37.560	-0.50106	-7.3498	39.478E-6	
-6.00000	56.00000	40.20000	-0.056148	37.560	-0.68048	-8.6342	44.516E-6	
-5.00000	56.00000	40.20000	-0.11451	37.560	-0.94003	-10.243	50.122E-6	
-4.00000	56.00000	40.20000	-0.18852	37.560	-1.3227	-12.288	56.175E-6	
-3.00000	56.00000	40.20000	-0.28309	37.560	-1.8993	-14.926	62.313E-6	
-2.00000	56.00000	40.20000	-0.40575	37.560	-2.7904	-18.391	67.653E-6	

-1.00000	56.00000	40.20000	-0.56945	37.560	-4.2116	-23.018	70.110E-6	
0.00000	56.00000	40.20000	-0.79960	37.560	-6.5594	-29.287	64.881E-6	
1.00000	56.00000	40.20000	-1.1461	37.560	-10.529	-37.792	41.902E-6	
2.00000	56.00000	40.20000	-1.6813	37.560	-17.007	-48.955	-13.943E-6	
3.00000	56.00000	40.20000	-2.4125	37.560	-25.990	-62.222	-106.34E-6	
4.00000	56.00000	40.20000	-3.1541	37.560	-35.185	-75.492	-203.00E-6	
5.00000	56.00000	40.20000	-3.6847	37.560	-41.880	-86.398	-264.97E-6	
6.00000	56.00000	40.20000	-3.9728	37.560	-45.589	-93.991	-288.85E-6	
7.00000	56.00000	40.20000	-4.0915	37.560	-47.164	-98.503	-290.27E-6	
8.00000	56.00000	40.20000	-4.1060	37.560	-47.441	-100.47	-282.59E-6	
9.00000	56.00000	40.20000	-4.0531	37.560	-46.916	-100.30	-273.14E-6	
10.00000	56.00000	40.20000	-3.9471	37.560	-45.756	-98.101	-264.46E-6	
11.00000	56.00000	40.20000	-3.7794	37.560	-43.796	-93.723	-254.31E-6	
12.00000	56.00000	40.20000	-3.5068	37.560	-40.434	-86.734	-233.42E-6	
13.00000	56.00000	40.20000	-3.0484	37.560	-34.684	-76.704	-184.66E-6	
14.00000	56.00000	40.20000	-2.3690	37.560	-26.228	-64.025	-98.989E-6	
15.00000	56.00000	40.20000	-1.6318	37.560	-17.112	-50.670	-4.4963E-6	
16.00000	56.00000	40.20000	-1.0690	37.560	-10.175	-39.059	57.623E-6	
17.00000	56.00000	40.20000	-0.72089	37.560	-6.0190	-30.194	81.952E-6	
18.00000	56.00000	40.20000	-0.50954	37.560	-3.7459	-23.770	84.622E-6	
19.00000	56.00000	40.20000	-0.36901	37.560	-2.4900	-19.122	78.676E-6	
20.00000	56.00000	40.20000	-0.26577	37.560	-1.7529	-15.684	70.396E-6	
21.00000	56.00000	40.20000	-0.18485	37.560	-1.2858	-13.069	62.198E-6	
22.00000	56.00000	40.20000	-0.11938	37.560	-0.96838	-11.025	54.825E-6	
23.00000	56.00000	40.20000	-0.065778	37.560	-0.74106	-9.3903	48.395E-6	
24.00000	56.00000	40.20000	-0.021800	37.560	-0.57286	-8.0613	42.828E-6	
25.00000	56.00000	40.20000	0.014177	37.560	-0.44605	-6.9663	38.003E-6	
26.00000	56.00000	40.20000	0.043449	37.560	-0.34947	-6.0552	33.807E-6	
27.00000	56.00000	40.20000	0.067090	37.560	-0.27545	-5.2913	30.148E-6	
28.00000	56.00000	40.20000	0.086006	37.560	-0.21844	-4.6464	26.949E-6	
29.00000	56.00000	40.20000	0.10096	37.560	-0.17433	-4.0989	24.146E-6	
30.00000	56.00000	40.20000	0.11259	37.560	-0.14003	-3.6316	21.685E-6	
31.00000	56.00000	40.20000	0.12145	37.560	-0.11322	-3.2309	19.522E-6	
32.00000	56.00000	40.20000	0.12799	37.560	-0.092141	-2.8855	17.617E-6	
33.00000	56.00000	40.20000	0.13259	37.560	-0.075470	-2.5865	15.936E-6	
34.00000	56.00000	40.20000	0.13559	37.560	-0.062204	-2.3266	14.450E-6	
35.00000	56.00000	40.20000	0.13726	37.560	-0.051583	-2.0997	13.133E-6	
36.00000	56.00000	40.20000	0.13783	37.560	-0.043026	-1.9008	11.963E-6	
37.00000	56.00000	40.20000	0.13750	37.560	-0.036092	-1.7259	10.923E-6	
38.00000	56.00000	40.20000	0.13644	37.560	-0.030438	-1.5714	9.9943E-6	
39.00000	56.00000	40.20000	0.13478	37.560	-0.025803	-1.4346	9.1644E-6	
40.00000	56.00000	40.20000	0.13264	37.560	-0.021980	-1.3130	8.4207E-6	
41.00000	56.00000	40.20000	0.13013	37.560	-0.018812	-1.2046	7.7529E-6	!
42.00000	56.00000	40.20000	0.12733	37.560	-0.016172	-1.1077	7.1517E-6	!
43.00000	56.00000	40.20000	0.12431	37.560	-0.013962	-1.0207	6.6094E-6	!
44.00000	56.00000	40.20000	0.12112	37.560	-0.012102	-0.94255	6.1192E-6	!
45.00000	56.00000	40.20000	0.11782	37.560	-0.010531	-0.87207	5.6751E-6	!
46.00000	56.00000	40.20000	0.11445	37.560	-0.0091970	-0.80837	5.2720E-6	!
47.00000	56.00000	40.20000	0.11104	37.560	-0.0080600	-0.75066	4.9054E-6	!
48.00000	56.00000	40.20000	0.10762	37.560	-0.0070871	-0.69826	4.5713E-6	!
49.00000	56.00000	40.20000	0.10422	37.560	-0.0062514	-0.65058	4.2662E-6	!
50.00000	56.00000	40.20000	0.10085	37.560	-0.0055309	-0.60710	3.9873E-6	!
-10.00000	57.00000	40.20000	0.072921	37.560	-0.22629	-4.9963	29.153E-6	
-9.00000	57.00000	40.20000	0.048214	37.560	-0.29439	-5.7519	32.875E-6	



-8.00000	57.00000	40.20000	0.016866	37.560	-0.38839	-6.6708	37.176E-6	
-7.00000	57.00000	40.20000	-0.022757	37.560	-0.52030	-7.8011	42.135E-6	
-6.00000	57.00000	40.20000	-0.072780	37.560	-0.70882	-9.2090	47.823E-6	
-5.00000	57.00000	40.20000	-0.13603	37.560	-0.98378	-10.988	54.265E-6	
-4.00000	57.00000	40.20000	-0.21640	37.560	-1.3943	-13.273	61.377E-6	
-3.00000	57.00000	40.20000	-0.31956	37.560	-2.0247	-16.262	68.792E-6	
-2.00000	57.00000	40.20000	-0.45478	37.560	-3.0273	-20.256	75.450E-6	
-1.00000	57.00000	40.20000	-0.63965	37.560	-4.6939	-25.713	78.541E-6	
0.00000	57.00000	40.20000	-0.91218	37.560	-7.6044	-33.324	70.970E-6	
1.00000	57.00000	40.20000	-1.3541	37.560	-12.864	-44.015	36.625E-6	
2.00000	57.00000	40.20000	-2.0958	37.560	-22.033	-58.572	-50.823E-6	
3.00000	57.00000	40.20000	-3.1717	37.560	-35.359	-76.368	-200.60E-6	
4.00000	57.00000	40.20000	-4.2794	37.560	-49.151	-94.302	-358.88E-6	
5.00000	57.00000	40.20000	-5.0519	37.560	-58.982	-108.85	-459.80E-6	
6.00000	57.00000	40.20000	-5.4586	37.560	-64.304	-118.78	-500.58E-6	
7.00000	57.00000	40.20000	-5.6314	37.560	-66.635	-124.61	-508.40E-6	
8.00000	57.00000	40.20000	-5.6716	37.560	-67.262	-127.20	-503.60E-6	
9.00000	57.00000	40.20000	-5.6283	37.560	-66.853	-127.11	-495.93E-6	
10.00000	57.00000	40.20000	-5.5163	37.560	-65.585	-124.49	-487.99E-6	
11.00000	57.00000	40.20000	-5.3167	37.560	-63.154	-119.04	-475.53E-6	
12.00000	57.00000	40.20000	-4.9584	37.560	-58.597	-110.07	-443.76E-6	
13.00000	57.00000	40.20000	-4.3064	37.560	-50.297	-96.838	-364.98E-6	
14.00000	57.00000	40.20000	-3.2930	37.560	-37.620	-79.768	-223.45E-6	
15.00000	57.00000	40.20000	-2.1850	37.560	-23.861	-61.765	-66.294E-6	
16.00000	57.00000	40.20000	-1.3675	37.560	-13.657	-46.436	36.897E-6	
17.00000	57.00000	40.20000	-0.89271	37.560	-7.8162	-35.121	78.811E-6	
18.00000	57.00000	40.20000	-0.62353	37.560	-4.7710	-27.198	87.004E-6	
19.00000	57.00000	40.20000	-0.45324	37.560	-3.1489	-21.624	82.222E-6	
20.00000	57.00000	40.20000	-0.33117	37.560	-2.2132	-17.581	73.879E-6	
21.00000	57.00000	40.20000	-0.23629	37.560	-1.6198	-14.543	65.382E-6	
22.00000	57.00000	40.20000	-0.15974	37.560	-1.2126	-12.185	57.714E-6	
23.00000	57.00000	40.20000	-0.097218	37.560	-0.91879	-10.311	51.014E-6	
24.00000	57.00000	40.20000	-0.046125	37.560	-0.70122	-8.7956	45.186E-6	
25.00000	57.00000	40.20000	-0.0045214	37.560	-0.53826	-7.5540	40.103E-6	
26.00000	57.00000	40.20000	0.029169	37.560	-0.41557	-6.5276	35.658E-6	
27.00000	57.00000	40.20000	0.056269	37.560	-0.32289	-5.6727	31.762E-6	
28.00000	57.00000	40.20000	0.077889	37.560	-0.25263	-4.9559	28.346E-6	
29.00000	57.00000	40.20000	0.094955	37.560	-0.19912	-4.3516	25.349E-6	
30.00000	57.00000	40.20000	0.10824	37.560	-0.15814	-3.8390	22.719E-6	
31.00000	57.00000	40.20000	0.11839	37.560	-0.12655	-3.4021	20.408E-6	
32.00000	57.00000	40.20000	0.12594	37.560	-0.10204	-3.0277	18.377E-6	
33.00000	57.00000	40.20000	0.13133	37.560	-0.082891	-2.7053	16.588E-6	
34.00000	57.00000	40.20000	0.13494	37.560	-0.067815	-2.4264	15.010E-6	
35.00000	57.00000	40.20000	0.13708	37.560	-0.055861	-2.1839	13.615E-6	
36.00000	57.00000	40.20000	0.13802	37.560	-0.046317	-1.9723	12.380E-6	
37.00000	57.00000	40.20000	0.13796	37.560	-0.038643	-1.7869	11.283E-6	
38.00000	57.00000	40.20000	0.13710	37.560	-0.032432	-1.6237	10.307E-6	
39.00000	57.00000	40.20000	0.13559	37.560	-0.027373	-1.4796	9.4363E-6	
40.00000	57.00000	40.20000	0.13356	37.560	-0.023226	-1.3519	8.6580E-6	
41.00000	57.00000	40.20000	0.13112	37.560	-0.019807	-1.2384	7.9605E-6	!
42.00000	57.00000	40.20000	0.12837	37.560	-0.016972	-1.1371	7.3339E-6	!
43.00000	57.00000	40.20000	0.12536	37.560	-0.014609	-1.0464	6.7697E-6	!
44.00000	57.00000	40.20000	0.12218	37.560	-0.012629	-0.96508	6.2607E-6	!
45.00000	57.00000	40.20000	0.11888	37.560	-0.010962	-0.89189	5.8002E-6	!

46.00000	57.00000	40.20000	0.11549	37.560	-0.0095519	-0.82586	5.3830E-6	!
47.00000	57.00000	40.20000	0.11206	37.560	-0.0083536	-0.76615	5.0040E-6	!
48.00000	57.00000	40.20000	0.10861	37.560	-0.0073312	-0.71201	4.6592E-6	!
49.00000	57.00000	40.20000	0.10518	37.560	-0.0064553	-0.66282	4.3448E-6	!
50.00000	57.00000	40.20000	0.10177	37.560	-0.0057020	-0.61802	4.0576E-6	!
-10.00000	58.00000	40.20000	0.067727	37.560	-0.23172	-5.2204	30.556E-6	
-9.00000	58.00000	40.20000	0.041244	37.560	-0.30157	-6.0268	34.586E-6	
-8.00000	58.00000	40.20000	0.0076759	37.560	-0.39808	-7.0115	39.280E-6	
-7.00000	58.00000	40.20000	-0.034722	37.560	-0.53382	-8.2285	44.747E-6	
-6.00000	58.00000	40.20000	-0.088218	37.560	-0.72854	-9.7526	51.094E-6	
-5.00000	58.00000	40.20000	-0.15584	37.560	-1.0143	-11.691	58.395E-6	
-4.00000	58.00000	40.20000	-0.24179	37.560	-1.4451	-14.201	66.613E-6	
-3.00000	58.00000	40.20000	-0.35234	37.560	-2.1167	-17.516	75.396E-6	
-2.00000	58.00000	40.20000	-0.49820	37.560	-3.2079	-21.999	83.562E-6	
-1.00000	58.00000	40.20000	-0.70068	37.560	-5.0736	-28.214	87.731E-6	
0.00000	58.00000	40.20000	-1.0076	37.560	-8.4407	-37.026	79.030E-6	
1.00000	58.00000	40.20000	-1.5241	37.560	-14.720	-49.627	36.909E-6	
2.00000	58.00000	40.20000	-2.4190	37.560	-25.927	-67.052	-72.455E-6	
3.00000	58.00000	40.20000	-3.7398	37.560	-42.417	-88.572	-261.16E-6	
4.00000	58.00000	40.20000	-5.1058	37.560	-59.538	-110.32	-461.14E-6	
5.00000	58.00000	40.20000	-6.0554	37.560	-71.717	-127.90	-589.11E-6	
6.00000	58.00000	40.20000	-6.5545	37.560	-78.315	-139.84	-642.20E-6	
7.00000	58.00000	40.20000	-6.7737	37.560	-81.291	-146.83	-655.22E-6	
8.00000	58.00000	40.20000	-6.8385	37.560	-82.245	-149.98	-653.32E-6	
9.00000	58.00000	40.20000	-6.8064	37.560	-81.966	-149.95	-647.88E-6	
10.00000	58.00000	40.20000	-6.6911	37.560	-80.622	-146.89	-641.29E-6	
11.00000	58.00000	40.20000	-6.4653	37.560	-77.791	-140.43	-627.60E-6	
12.00000	58.00000	40.20000	-6.0376	37.560	-72.245	-129.67	-587.91E-6	
13.00000	58.00000	40.20000	-5.2401	37.560	-61.980	-113.68	-487.94E-6	
14.00000	58.00000	40.20000	-3.9919	37.560	-46.254	-93.012	-308.92E-6	
15.00000	58.00000	40.20000	-2.6286	37.560	-29.216	-71.295	-110.42E-6	
16.00000	58.00000	40.20000	-1.6305	37.560	-16.652	-52.984	20.444E-6	
17.00000	58.00000	40.20000	-1.0609	37.560	-9.5426	-39.673	74.581E-6	
18.00000	58.00000	40.20000	-0.74513	37.560	-5.8859	-30.506	86.755E-6	
19.00000	58.00000	40.20000	-0.54800	37.560	-3.9453	-24.136	83.053E-6	
20.00000	58.00000	40.20000	-0.40648	37.560	-2.8072	-19.544	75.101E-6	
21.00000	58.00000	40.20000	-0.29566	37.560	-2.0623	-16.095	66.903E-6	
22.00000	58.00000	40.20000	-0.20585	37.560	-1.5361	-13.417	59.480E-6	
23.00000	58.00000	40.20000	-0.13259	37.560	-1.1504	-11.288	52.919E-6	
24.00000	58.00000	40.20000	-0.073033	37.560	-0.86449	-9.5700	47.107E-6	
25.00000	58.00000	40.20000	-0.024891	37.560	-0.65241	-8.1687	41.941E-6	
26.00000	58.00000	40.20000	0.013808	37.560	-0.49522	-7.0169	37.349E-6	
27.00000	58.00000	40.20000	0.044740	37.560	-0.37862	-6.0640	33.276E-6	
28.00000	58.00000	40.20000	0.069295	37.560	-0.29186	-5.2707	29.677E-6	
29.00000	58.00000	40.20000	0.088620	37.560	-0.22696	-4.6063	26.505E-6	
30.00000	58.00000	40.20000	0.10365	37.560	-0.17808	-4.0465	23.716E-6	
31.00000	58.00000	40.20000	0.11515	37.560	-0.14099	-3.5722	21.264E-6	
32.00000	58.00000	40.20000	0.12374	37.560	-0.11261	-3.1681	19.111E-6	
33.00000	58.00000	40.20000	0.12994	37.560	-0.090697	-2.8219	17.217E-6	
34.00000	58.00000	40.20000	0.13417	37.560	-0.073643	-2.5238	15.550E-6	
35.00000	58.00000	40.20000	0.13679	37.560	-0.060257	-2.2658	14.079E-6	
36.00000	58.00000	40.20000	0.13809	37.560	-0.049664	-2.0416	12.779E-6	
37.00000	58.00000	40.20000	0.13831	37.560	-0.041216	-1.8457	11.628E-6	
38.00000	58.00000	40.20000	0.13766	37.560	-0.034427	-1.6739	10.606E-6	

39.00000	58.00000	40.20000	0.13631	37.560	-0.028932	-1.5227	9.6957E-6	
40.00000	58.00000	40.20000	0.13439	37.560	-0.024455	-1.3891	8.8839E-6	
41.00000	58.00000	40.20000	0.13202	37.560	-0.020783	-1.2705	8.1578E-6	!
42.00000	58.00000	40.20000	0.12931	37.560	-0.017752	-1.1650	7.5067E-6	!
43.00000	58.00000	40.20000	0.12633	37.560	-0.015237	-1.0708	6.9216E-6	!
44.00000	58.00000	40.20000	0.12316	37.560	-0.013138	-0.98641	6.3944E-6	!
45.00000	58.00000	40.20000	0.11985	37.560	-0.011377	-0.91063	5.9184E-6	!
46.00000	58.00000	40.20000	0.11645	37.560	-0.0098922	-0.84238	5.4876E-6	!
47.00000	58.00000	40.20000	0.11300	37.560	-0.0086342	-0.78075	5.0969E-6	!
48.00000	58.00000	40.20000	0.10953	37.560	-0.0075638	-0.72495	4.7419E-6	!
49.00000	58.00000	40.20000	0.10606	37.560	-0.0066490	-0.67432	4.4185E-6	!
50.00000	58.00000	40.20000	0.10262	37.560	-0.0058641	-0.62828	4.1235E-6	!
-10.00000	59.00000	40.20000	0.062885	37.560	-0.23541	-5.4294	31.892E-6	
-9.00000	59.00000	40.20000	0.034780	37.560	-0.30626	-6.2829	36.220E-6	
-8.00000	59.00000	40.20000	-802.24E-6	37.560	-0.40421	-7.3284	41.295E-6	
-7.00000	59.00000	40.20000	-0.045693	37.560	-0.54211	-8.6249	47.257E-6	
-6.00000	59.00000	40.20000	-0.10227	37.560	-0.74040	-10.255	54.248E-6	
-5.00000	59.00000	40.20000	-0.17371	37.560	-1.0327	-12.338	62.391E-6	
-4.00000	59.00000	40.20000	-0.26443	37.560	-1.4765	-15.048	71.702E-6	
-3.00000	59.00000	40.20000	-0.38113	37.560	-2.1757	-18.651	81.864E-6	
-2.00000	59.00000	40.20000	-0.53546	37.560	-3.3279	-23.555	91.637E-6	
-1.00000	59.00000	40.20000	-0.75111	37.560	-5.3301	-30.402	97.310E-6	
0.00000	59.00000	40.20000	-1.0816	37.560	-8.9981	-40.175	89.001E-6	
1.00000	59.00000	40.20000	-1.6436	37.560	-15.903	-54.216	43.930E-6	
2.00000	59.00000	40.20000	-2.6214	37.560	-28.252	-73.669	-74.861E-6	
3.00000	59.00000	40.20000	-4.0642	37.560	-46.392	-97.694	-280.09E-6	
4.00000	59.00000	40.20000	-5.5583	37.560	-65.245	-121.99	-497.94E-6	
5.00000	59.00000	40.20000	-6.6035	37.560	-78.739	-141.68	-638.35E-6	
6.00000	59.00000	40.20000	-7.1604	37.560	-86.144	-155.08	-697.88E-6	
7.00000	59.00000	40.20000	-7.4135	37.560	-89.584	-162.97	-714.27E-6	
8.00000	59.00000	40.20000	-7.4988	37.560	-90.801	-166.53	-714.86E-6	
9.00000	59.00000	40.20000	-7.4771	37.560	-90.636	-166.50	-711.74E-6	
10.00000	59.00000	40.20000	-7.3608	37.560	-89.242	-163.02	-707.02E-6	
11.00000	59.00000	40.20000	-7.1173	37.560	-86.118	-155.63	-693.60E-6	
12.00000	59.00000	40.20000	-6.6456	37.560	-79.907	-143.38	-650.53E-6	
13.00000	59.00000	40.20000	-5.7673	37.560	-68.483	-125.32	-541.07E-6	
14.00000	59.00000	40.20000	-4.4040	37.560	-51.172	-102.21	-346.41E-6	
15.00000	59.00000	40.20000	-2.9229	37.560	-32.545	-78.147	-131.58E-6	
16.00000	59.00000	40.20000	-1.8403	37.560	-18.850	-58.014	9.8813E-6	
17.00000	59.00000	40.20000	-1.2230	37.560	-11.119	-43.487	68.407E-6	
18.00000	59.00000	40.20000	-0.87921	37.560	-7.1296	-33.532	81.998E-6	
19.00000	59.00000	40.20000	-0.66000	37.560	-4.9565	-26.604	79.232E-6	
20.00000	59.00000	40.20000	-0.49743	37.560	-3.6075	-21.563	72.521E-6	
21.00000	59.00000	40.20000	-0.36682	37.560	-2.6661	-17.730	65.712E-6	
22.00000	59.00000	40.20000	-0.25989	37.560	-1.9712	-14.723	59.486E-6	
23.00000	59.00000	40.20000	-0.17292	37.560	-1.4536	-12.321	53.750E-6	
24.00000	59.00000	40.20000	-0.10291	37.560	-1.0716	-10.382	48.395E-6	
25.00000	59.00000	40.20000	-0.047000	37.560	-0.79259	-8.8063	43.407E-6	
26.00000	59.00000	40.20000	-0.0025642	37.560	-0.59007	-7.5189	38.816E-6	
27.00000	59.00000	40.20000	0.032616	37.560	-0.44315	-6.4610	34.650E-6	
28.00000	59.00000	40.20000	0.060345	37.560	-0.33616	-5.5868	30.914E-6	
29.00000	59.00000	40.20000	0.082060	37.560	-0.25771	-4.8597	27.594E-6	
30.00000	59.00000	40.20000	0.098902	37.560	-0.19969	-4.2512	24.661E-6	
31.00000	59.00000	40.20000	0.11178	37.560	-0.15636	-3.7389	22.078E-6	

32.00000	59.00000	40.20000	0.12144	37.560	-0.12367	-3.3047	19.809E-6	
33.00000	59.00000	40.20000	0.12845	37.560	-0.098768	-2.9347	17.815E-6	
34.00000	59.00000	40.20000	0.13331	37.560	-0.079598	-2.6176	16.062E-6	
35.00000	59.00000	40.20000	0.13641	37.560	-0.064700	-2.3443	14.519E-6	
36.00000	59.00000	40.20000	0.13808	37.560	-0.053015	-2.1077	13.158E-6	
37.00000	59.00000	40.20000	0.13858	37.560	-0.043768	-1.9017	11.954E-6	
38.00000	59.00000	40.20000	0.13813	37.560	-0.036390	-1.7216	10.888E-6	
39.00000	59.00000	40.20000	0.13693	37.560	-0.030457	-1.5635	9.9401E-6	
40.00000	59.00000	40.20000	0.13512	37.560	-0.025649	-1.4241	9.0964E-6	
41.00000	59.00000	40.20000	0.13283	37.560	-0.021725	-1.3008	8.3431E-6	!
42.00000	59.00000	40.20000	0.13016	37.560	-0.018502	-1.1912	7.6688E-6	!
43.00000	59.00000	40.20000	0.12721	37.560	-0.015838	-1.0936	7.0637E-6	!
44.00000	59.00000	40.20000	0.12405	37.560	-0.013623	-1.0064	6.5194E-6	!
45.00000	59.00000	40.20000	0.12074	37.560	-0.011771	-0.92814	6.0286E-6	!
46.00000	59.00000	40.20000	0.11733	37.560	-0.010214	-0.85778	5.5851E-6	!
47.00000	59.00000	40.20000	0.11386	37.560	-0.0088985	-0.79434	5.1834E-6	!
48.00000	59.00000	40.20000	0.11037	37.560	-0.0077821	-0.73699	4.8187E-6	!
49.00000	59.00000	40.20000	0.10688	37.560	-0.0068304	-0.68501	4.4870E-6	!
50.00000	59.00000	40.20000	0.10341	37.560	-0.0060155	-0.63780	4.1847E-6	!
-10.00000	60.00000	40.20000	0.058467	37.560	-0.23754	-5.6208	33.142E-6	
-9.00000	60.00000	40.20000	0.028906	37.560	-0.30879	-6.5170	37.749E-6	
-8.00000	60.00000	40.20000	-0.0084698	37.560	-0.40726	-7.6173	43.184E-6	
-7.00000	60.00000	40.20000	-0.055559	37.560	-0.54596	-8.9850	49.610E-6	
-6.00000	60.00000	40.20000	-0.11482	37.560	-0.74571	-10.709	57.206E-6	
-5.00000	60.00000	40.20000	-0.18953	37.560	-1.0410	-12.918	66.139E-6	
-4.00000	60.00000	40.20000	-0.28425	37.560	-1.4917	-15.801	76.477E-6	
-3.00000	60.00000	40.20000	-0.40595	37.560	-2.2066	-19.644	87.946E-6	
-2.00000	60.00000	40.20000	-0.56681	37.560	-3.3948	-24.891	99.300E-6	
-1.00000	60.00000	40.20000	-0.79173	37.560	-5.4768	-32.230	106.68E-6	
0.00000	60.00000	40.20000	-1.1368	37.560	-9.3124	-42.711	99.757E-6	
1.00000	60.00000	40.20000	-1.7232	37.560	-16.539	-57.744	54.870E-6	
2.00000	60.00000	40.20000	-2.7398	37.560	-29.424	-78.501	-65.979E-6	
3.00000	60.00000	40.20000	-4.2347	37.560	-48.292	-104.06	-275.62E-6	
4.00000	60.00000	40.20000	-5.7839	37.560	-67.914	-129.90	-498.62E-6	
5.00000	60.00000	40.20000	-6.8748	37.560	-82.047	-150.91	-643.02E-6	
6.00000	60.00000	40.20000	-7.4644	37.560	-89.902	-165.28	-705.09E-6	
7.00000	60.00000	40.20000	-7.7400	37.560	-93.637	-173.78	-723.38E-6	
8.00000	60.00000	40.20000	-7.8405	37.560	-95.037	-177.60	-725.93E-6	
9.00000	60.00000	40.20000	-7.8268	37.560	-94.949	-177.48	-724.95E-6	
10.00000	60.00000	40.20000	-7.7093	37.560	-93.494	-173.53	-722.18E-6	
11.00000	60.00000	40.20000	-7.4517	37.560	-90.111	-165.24	-709.62E-6	
12.00000	60.00000	40.20000	-6.9487	37.560	-83.381	-151.63	-665.19E-6	
13.00000	60.00000	40.20000	-6.0226	37.560	-71.205	-131.89	-551.83E-6	
14.00000	60.00000	40.20000	-4.6090	37.560	-53.133	-107.15	-352.81E-6	
15.00000	60.00000	40.20000	-3.0957	37.560	-34.040	-81.889	-136.61E-6	
16.00000	60.00000	40.20000	-2.0043	37.560	-20.252	-61.125	2.5015E-6	
17.00000	60.00000	40.20000	-1.3874	37.560	-12.593	-46.323	57.701E-6	
18.00000	60.00000	40.20000	-1.0375	37.560	-8.6170	-36.182	69.757E-6	
19.00000	60.00000	40.20000	-0.80080	37.560	-6.3113	-29.008	68.024E-6	
20.00000	60.00000	40.20000	-0.61267	37.560	-4.7173	-23.646	64.103E-6	
21.00000	60.00000	40.20000	-0.45501	37.560	-3.4975	-19.456	60.525E-6	
22.00000	60.00000	40.20000	-0.32449	37.560	-2.5544	-16.107	57.014E-6	
23.00000	60.00000	40.20000	-0.21926	37.560	-1.8458	-13.407	53.136E-6	
24.00000	60.00000	40.20000	-0.13603	37.560	-1.3297	-11.225	48.861E-6	

25.00000	60.00000	40.20000	-0.070786	37.560	-0.96120	-9.4596	44.403E-6	
26.00000	60.00000	40.20000	-0.019778	37.560	-0.70054	-8.0264	40.006E-6	
27.00000	60.00000	40.20000	0.020085	37.560	-0.51618	-6.8577	35.849E-6	
28.00000	60.00000	40.20000	0.051204	37.560	-0.38504	-5.8991	32.033E-6	
29.00000	60.00000	40.20000	0.075411	37.560	-0.29090	-5.1078	28.596E-6	
30.00000	60.00000	40.20000	0.094112	37.560	-0.22256	-4.4500	25.539E-6	
31.00000	60.00000	40.20000	0.10839	37.560	-0.17236	-3.8995	22.839E-6	
32.00000	60.00000	40.20000	0.11910	37.560	-0.13503	-3.4356	20.463E-6	
33.00000	60.00000	40.20000	0.12693	37.560	-0.10694	-3.0422	18.376E-6	
34.00000	60.00000	40.20000	0.13240	37.560	-0.085554	-2.7065	16.542E-6	
35.00000	60.00000	40.20000	0.13598	37.560	-0.069098	-2.4184	14.930E-6	
36.00000	60.00000	40.20000	0.13800	37.560	-0.056301	-2.1698	13.511E-6	
37.00000	60.00000	40.20000	0.13877	37.560	-0.046252	-1.9541	12.258E-6	
38.00000	60.00000	40.20000	0.13852	37.560	-0.038286	-1.7661	11.150E-6	
39.00000	60.00000	40.20000	0.13746	37.560	-0.031919	-1.6015	10.167E-6	
40.00000	60.00000	40.20000	0.13576	37.560	-0.026786	-1.4567	9.2933E-6	
41.00000	60.00000	40.20000	0.13354	37.560	-0.022618	-1.3288	8.5145E-6	!
42.00000	60.00000	40.20000	0.13093	37.560	-0.019209	-1.2155	7.8184E-6	!
43.00000	60.00000	40.20000	0.12801	37.560	-0.016402	-1.1147	7.1948E-6	!
44.00000	60.00000	40.20000	0.12486	37.560	-0.014076	-1.0248	6.6346E-6	!
45.00000	60.00000	40.20000	0.12155	37.560	-0.012137	-0.94427	6.1301E-6	!
46.00000	60.00000	40.20000	0.11813	37.560	-0.010512	-0.87195	5.6747E-6	!
47.00000	60.00000	40.20000	0.11464	37.560	-0.0091430	-0.80684	5.2628E-6	!
48.00000	60.00000	40.20000	0.11113	37.560	-0.0079836	-0.74804	4.8892E-6	!
49.00000	60.00000	40.20000	0.10761	37.560	-0.0069972	-0.69481	4.5498E-6	!
50.00000	60.00000	40.20000	0.10412	37.560	-0.0061544	-0.64651	4.2408E-6	!
-10.00000	61.00000	40.20000	0.054526	37.560	-0.23832	-5.7927	34.286E-6	
-9.00000	61.00000	40.20000	0.023684	37.560	-0.30950	-6.7266	39.151E-6	
-8.00000	61.00000	40.20000	-0.015258	37.560	-0.40782	-7.8751	44.914E-6	
-7.00000	61.00000	40.20000	-0.064250	37.560	-0.54632	-9.3048	51.762E-6	
-6.00000	61.00000	40.20000	-0.12581	37.560	-0.74598	-11.110	59.905E-6	
-5.00000	61.00000	40.20000	-0.20329	37.560	-1.0418	-13.426	69.550E-6	
-4.00000	61.00000	40.20000	-0.30133	37.560	-1.4948	-16.452	80.806E-6	
-3.00000	61.00000	40.20000	-0.42704	37.560	-2.2167	-20.489	93.445E-6	
-2.00000	61.00000	40.20000	-0.59287	37.560	-3.4227	-26.002	106.24E-6	
-1.00000	61.00000	40.20000	-0.82428	37.560	-5.5449	-33.707	115.28E-6	
0.00000	61.00000	40.20000	-1.1784	37.560	-9.4622	-44.686	110.06E-6	
1.00000	61.00000	40.20000	-1.7777	37.560	-16.837	-60.374	66.592E-6	
2.00000	61.00000	40.20000	-2.8126	37.560	-29.954	-81.943	-53.477E-6	
3.00000	61.00000	40.20000	-4.3303	37.560	-49.126	-108.41	-263.10E-6	
4.00000	61.00000	40.20000	-5.9038	37.560	-69.077	-135.17	-486.58E-6	
5.00000	61.00000	40.20000	-7.0170	37.560	-83.506	-156.98	-631.60E-6	
6.00000	61.00000	40.20000	-7.6250	37.560	-91.597	-171.95	-694.39E-6	
7.00000	61.00000	40.20000	-7.9149	37.560	-95.506	-180.82	-713.72E-6	
8.00000	61.00000	40.20000	-8.0253	37.560	-97.014	-184.74	-717.75E-6	
9.00000	61.00000	40.20000	-8.0160	37.560	-96.948	-184.43	-718.56E-6	
10.00000	61.00000	40.20000	-7.8940	37.560	-95.372	-179.90	-717.21E-6	
11.00000	61.00000	40.20000	-7.6160	37.560	-91.615	-170.55	-704.24E-6	
12.00000	61.00000	40.20000	-7.0667	37.560	-84.127	-155.34	-655.26E-6	
13.00000	61.00000	40.20000	-6.0703	37.560	-70.882	-133.70	-533.09E-6	
14.00000	61.00000	40.20000	-4.6062	37.560	-52.052	-107.48	-328.70E-6	
15.00000	61.00000	40.20000	-3.1177	37.560	-33.259	-81.913	-120.62E-6	
16.00000	61.00000	40.20000	-2.1061	37.560	-20.577	-61.856	0.0	
17.00000	61.00000	40.20000	-1.5569	37.560	-13.945	-47.964	41.396E-6	

18.00000	61.00000	40.20000	-1.2318	37.560	-10.457	-38.387	47.381E-6	
19.00000	61.00000	40.20000	-0.98216	37.560	-8.1348	-31.340	46.829E-6	
20.00000	61.00000	40.20000	-0.76042	37.560	-6.2290	-25.793	47.978E-6	
21.00000	61.00000	40.20000	-0.56461	37.560	-4.6088	-21.268	50.249E-6	
22.00000	61.00000	40.20000	-0.40138	37.560	-3.3089	-17.556	51.515E-6	
23.00000	61.00000	40.20000	-0.27199	37.560	-2.3346	-14.531	50.826E-6	
24.00000	61.00000	40.20000	-0.17220	37.560	-1.6395	-12.086	48.395E-6	
25.00000	61.00000	40.20000	-0.095906	37.560	-1.1568	-10.116	44.876E-6	
26.00000	61.00000	40.20000	-0.037493	37.560	-0.82477	-8.5294	40.886E-6	
27.00000	61.00000	40.20000	0.0074329	37.560	-0.59611	-7.2459	36.851E-6	
28.00000	61.00000	40.20000	0.042098	37.560	-0.43730	-6.2015	33.016E-6	
29.00000	61.00000	40.20000	0.068849	37.560	-0.32565	-5.3456	29.498E-6	
30.00000	61.00000	40.20000	0.089409	37.560	-0.24608	-4.6390	26.339E-6	
31.00000	61.00000	40.20000	0.10507	37.560	-0.18855	-4.0511	23.535E-6	
32.00000	61.00000	40.20000	0.11682	37.560	-0.14636	-3.5584	21.063E-6	
33.00000	61.00000	40.20000	0.12542	37.560	-0.11499	-3.1425	18.890E-6	
34.00000	61.00000	40.20000	0.13149	37.560	-0.091361	-2.7892	16.983E-6	
35.00000	61.00000	40.20000	0.13551	37.560	-0.073344	-2.4870	15.307E-6	
36.00000	61.00000	40.20000	0.13787	37.560	-0.059446	-2.2271	13.834E-6	
37.00000	61.00000	40.20000	0.13890	37.560	-0.048609	-2.0024	12.536E-6	
38.00000	61.00000	40.20000	0.13884	37.560	-0.040074	-1.8069	11.389E-6	
39.00000	61.00000	40.20000	0.13792	37.560	-0.033288	-1.6362	10.374E-6	
40.00000	61.00000	40.20000	0.13632	37.560	-0.027846	-1.4864	9.4726E-6	
41.00000	61.00000	40.20000	0.13417	37.560	-0.023446	-1.3544	8.6704E-6	!
42.00000	61.00000	40.20000	0.13160	37.560	-0.019862	-1.2376	7.9544E-6	!
43.00000	61.00000	40.20000	0.12871	37.560	-0.016920	-1.1339	7.3137E-6	!
44.00000	61.00000	40.20000	0.12557	37.560	-0.014491	-1.0415	6.7389E-6	!
45.00000	61.00000	40.20000	0.12227	37.560	-0.012472	-0.95887	6.2219E-6	!
46.00000	61.00000	40.20000	0.11884	37.560	-0.010783	-0.88477	5.7558E-6	!
47.00000	61.00000	40.20000	0.11534	37.560	-0.0093645	-0.81812	5.3345E-6	!
48.00000	61.00000	40.20000	0.11181	37.560	-0.0081655	-0.75801	4.9529E-6	!
49.00000	61.00000	40.20000	0.10827	37.560	-0.0071475	-0.70365	4.6064E-6	!
50.00000	61.00000	40.20000	0.10475	37.560	-0.0062792	-0.65436	4.2912E-6	!
-10.00000	62.00000	40.20000	0.051103	37.560	-0.23800	-5.9434	35.310E-6	
-9.00000	62.00000	40.20000	0.019159	37.560	-0.30877	-6.9100	40.403E-6	
-8.00000	62.00000	40.20000	-0.021121	37.560	-0.40647	-8.0997	46.457E-6	
-7.00000	62.00000	40.20000	-0.071729	37.560	-0.54412	-9.5820	53.678E-6	
-6.00000	62.00000	40.20000	-0.13523	37.560	-0.74270	-11.455	62.300E-6	
-5.00000	62.00000	40.20000	-0.21500	37.560	-1.0374	-13.858	72.560E-6	
-4.00000	62.00000	40.20000	-0.31576	37.560	-1.4899	-17.000	84.605E-6	
-3.00000	62.00000	40.20000	-0.44468	37.560	-2.2134	-21.189	98.238E-6	
-2.00000	62.00000	40.20000	-0.61434	37.560	-3.4259	-26.902	112.25E-6	
-1.00000	62.00000	40.20000	-0.85041	37.560	-5.5651	-34.872	122.73E-6	
0.00000	62.00000	40.20000	-1.2104	37.560	-9.5180	-46.193	119.11E-6	
1.00000	62.00000	40.20000	-1.8173	37.560	-16.956	-62.309	77.247E-6	
2.00000	62.00000	40.20000	-2.8617	37.560	-30.170	-84.383	-41.377E-6	
3.00000	62.00000	40.20000	-4.3907	37.560	-49.469	-111.40	-249.86E-6	
4.00000	62.00000	40.20000	-5.9764	37.560	-69.561	-138.70	-472.55E-6	
5.00000	62.00000	40.20000	-7.1015	37.560	-84.128	-160.98	-617.18E-6	
6.00000	62.00000	40.20000	-7.7201	37.560	-92.341	-176.31	-680.04E-6	
7.00000	62.00000	40.20000	-8.0187	37.560	-96.342	-185.36	-699.98E-6	
8.00000	62.00000	40.20000	-8.1347	37.560	-97.899	-189.27	-705.15E-6	
9.00000	62.00000	40.20000	-8.1260	37.560	-97.798	-188.64	-707.29E-6	
10.00000	62.00000	40.20000	-7.9937	37.560	-96.004	-183.40	-706.38E-6	

11.00000	62.00000	40.20000	-7.6782	37.560	-91.611	-172.69	-689.67E-6	
12.00000	62.00000	40.20000	-7.0275	37.560	-82.622	-155.24	-625.42E-6	
13.00000	62.00000	40.20000	-5.8396	37.560	-66.797	-130.65	-470.91E-6	
14.00000	62.00000	40.20000	-4.2164	37.560	-45.920	-102.27	-239.67E-6	
15.00000	62.00000	40.20000	-2.8194	37.560	-28.255	-77.183	-51.192E-6	
16.00000	62.00000	40.20000	-2.0683	37.560	-18.914	-59.657	19.687E-6	
17.00000	62.00000	40.20000	-1.7123	37.560	-14.933	-48.228	23.149E-6	
18.00000	62.00000	40.20000	-1.4591	37.560	-12.604	-40.080	15.305E-6	
19.00000	62.00000	40.20000	-1.2036	37.560	-10.414	-33.547	15.556E-6	
20.00000	62.00000	40.20000	-0.93989	37.560	-8.1286	-27.952	24.080E-6	
21.00000	62.00000	40.20000	-0.69433	37.560	-5.9827	-23.118	34.907E-6	
22.00000	62.00000	40.20000	-0.48910	37.560	-4.2173	-19.029	43.060E-6	
23.00000	62.00000	40.20000	-0.32976	37.560	-2.9053	-15.660	46.889E-6	
24.00000	62.00000	40.20000	-0.21035	37.560	-1.9902	-12.937	47.040E-6	
25.00000	62.00000	40.20000	-0.12156	37.560	-1.3718	-10.757	44.845E-6	
26.00000	62.00000	40.20000	-0.055138	37.560	-0.95781	-9.0134	41.459E-6	
27.00000	62.00000	40.20000	-0.0049355	37.560	-0.67974	-7.6150	37.649E-6	
28.00000	62.00000	40.20000	0.033317	37.560	-0.49086	-6.4860	33.852E-6	
29.00000	62.00000	40.20000	0.062580	37.560	-0.36063	-5.5674	30.288E-6	
30.00000	62.00000	40.20000	0.084944	37.560	-0.26938	-4.8139	27.048E-6	
31.00000	62.00000	40.20000	0.10192	37.560	-0.20436	-4.1906	24.156E-6	
32.00000	62.00000	40.20000	0.11465	37.560	-0.15728	-3.6707	21.600E-6	
33.00000	62.00000	40.20000	0.12399	37.560	-0.12267	-3.2339	19.351E-6	
34.00000	62.00000	40.20000	0.13061	37.560	-0.096843	-2.8641	17.378E-6	
35.00000	62.00000	40.20000	0.13505	37.560	-0.077316	-2.5490	15.645E-6	
36.00000	62.00000	40.20000	0.13772	37.560	-0.062365	-2.2788	14.124E-6	
37.00000	62.00000	40.20000	0.13898	37.560	-0.050781	-2.0457	12.784E-6	
38.00000	62.00000	40.20000	0.13910	37.560	-0.041710	-1.8435	11.603E-6	
39.00000	62.00000	40.20000	0.13831	37.560	-0.034535	-1.6673	10.559E-6	
40.00000	62.00000	40.20000	0.13680	37.560	-0.028806	-1.5130	9.6325E-6	
41.00000	62.00000	40.20000	0.13472	37.560	-0.024192	-1.3772	8.8092E-6	!
42.00000	62.00000	40.20000	0.13219	37.560	-0.020447	-1.2573	8.0754E-6	!
43.00000	62.00000	40.20000	0.12932	37.560	-0.017383	-1.1510	7.4194E-6	!
44.00000	62.00000	40.20000	0.12620	37.560	-0.014860	-1.0563	6.8316E-6	!
45.00000	62.00000	40.20000	0.12290	37.560	-0.012768	-0.97182	6.3034E-6	!
46.00000	62.00000	40.20000	0.11946	37.560	-0.011023	-0.89612	5.8276E-6	!
47.00000	62.00000	40.20000	0.11596	37.560	-0.0095597	-0.82811	5.3980E-6	!
48.00000	62.00000	40.20000	0.11241	37.560	-0.0083254	-0.76682	5.0092E-6	!
49.00000	62.00000	40.20000	0.10885	37.560	-0.0072793	-0.71145	4.6565E-6	!
50.00000	62.00000	40.20000	0.10531	37.560	-0.0063884	-0.66129	4.3358E-6	!
-10.00000	63.00000	40.20000	0.048228	37.560	-0.23679	-6.0717	36.201E-6	
-9.00000	63.00000	40.20000	0.015362	37.560	-0.30692	-7.0657	41.492E-6	
-8.00000	63.00000	40.20000	-0.026033	37.560	-0.40372	-8.2897	47.796E-6	
-7.00000	63.00000	40.20000	-0.077977	37.560	-0.54014	-9.8154	55.335E-6	
-6.00000	63.00000	40.20000	-0.14306	37.560	-0.73711	-11.743	64.361E-6	
-5.00000	63.00000	40.20000	-0.22471	37.560	-1.0299	-14.217	75.136E-6	
-4.00000	63.00000	40.20000	-0.32766	37.560	-1.4804	-17.449	87.830E-6	
-3.00000	63.00000	40.20000	-0.45913	37.560	-2.2025	-21.754	102.27E-6	
-2.00000	63.00000	40.20000	-0.63175	37.560	-3.4158	-27.616	117.28E-6	
-1.00000	63.00000	40.20000	-0.87128	37.560	-5.5602	-35.773	128.92E-6	
0.00000	63.00000	40.20000	-1.2354	37.560	-9.5263	-47.328	126.60E-6	
1.00000	63.00000	40.20000	-1.8471	37.560	-16.990	-63.722	86.112E-6	
2.00000	63.00000	40.20000	-2.8972	37.560	-30.243	-86.112	-31.174E-6	
3.00000	63.00000	40.20000	-4.4328	37.560	-49.595	-113.47	-238.47E-6	

4.00000	63.00000	40.20000	-6.0254	37.560	-69.750	-141.09	-460.25E-6	
5.00000	63.00000	40.20000	-7.1573	37.560	-84.383	-163.65	-604.34E-6	
6.00000	63.00000	40.20000	-7.7823	37.560	-92.656	-179.17	-667.13E-6	
7.00000	63.00000	40.20000	-8.0858	37.560	-96.701	-188.28	-687.52E-6	
8.00000	63.00000	40.20000	-8.2044	37.560	-98.264	-192.07	-693.58E-6	
9.00000	63.00000	40.20000	-8.1932	37.560	-98.083	-191.07	-696.69E-6	
10.00000	63.00000	40.20000	-8.0459	37.560	-95.995	-185.00	-695.37E-6	
11.00000	63.00000	40.20000	-7.6773	37.560	-90.741	-172.73	-671.82E-6	
12.00000	63.00000	40.20000	-6.8611	37.560	-79.447	-152.47	-579.83E-6	
13.00000	63.00000	40.20000	-5.2948	37.560	-58.874	-123.74	-357.04E-6	
14.00000	63.00000	40.20000	-3.2955	37.560	-33.525	-92.110	-57.151E-6	
15.00000	63.00000	40.20000	-2.0709	37.560	-17.913	-68.149	97.305E-6	
16.00000	63.00000	40.20000	-1.8463	37.560	-14.952	-54.966	68.267E-6	
17.00000	63.00000	40.20000	-1.8319	37.560	-15.404	-47.328	7.5348E-6	
18.00000	63.00000	40.20000	-1.6932	37.560	-14.800	-41.245	-21.309E-6	
19.00000	63.00000	40.20000	-1.4401	37.560	-12.875	-35.508	-21.042E-6	
20.00000	63.00000	40.20000	-1.1328	37.560	-10.205	-29.989	-4.2361E-6	
21.00000	63.00000	40.20000	-0.83279	37.560	-7.4843	-24.894	16.482E-6	
22.00000	63.00000	40.20000	-0.58104	37.560	-5.2003	-20.445	32.706E-6	
23.00000	63.00000	40.20000	-0.38880	37.560	-3.5130	-16.738	41.857E-6	
24.00000	63.00000	40.20000	-0.24830	37.560	-2.3566	-13.742	45.051E-6	
25.00000	63.00000	40.20000	-0.14646	37.560	-1.5920	-11.355	44.423E-6	
26.00000	63.00000	40.20000	-0.071912	37.560	-1.0915	-9.4606	41.770E-6	
27.00000	63.00000	40.20000	-0.016505	37.560	-0.76232	-7.9526	38.256E-6	
28.00000	63.00000	40.20000	0.025201	37.560	-0.54289	-6.7440	34.540E-6	
29.00000	63.00000	40.20000	0.056838	37.560	-0.39412	-5.7671	30.957E-6	
30.00000	63.00000	40.20000	0.080879	37.560	-0.29138	-4.9703	27.659E-6	
31.00000	63.00000	40.20000	0.099071	37.560	-0.21911	-4.3146	24.695E-6	
32.00000	63.00000	40.20000	0.11269	37.560	-0.16737	-3.7702	22.067E-6	
33.00000	63.00000	40.20000	0.12269	37.560	-0.12968	-3.3144	19.753E-6	
34.00000	63.00000	40.20000	0.12981	37.560	-0.10181	-2.9300	17.722E-6	
35.00000	63.00000	40.20000	0.13462	37.560	-0.080886	-2.6033	15.940E-6	
36.00000	63.00000	40.20000	0.13757	37.560	-0.064968	-2.3239	14.376E-6	
37.00000	63.00000	40.20000	0.13904	37.560	-0.052707	-2.0835	13.001E-6	
38.00000	63.00000	40.20000	0.13932	37.560	-0.043152	-1.8754	11.789E-6	
39.00000	63.00000	40.20000	0.13864	37.560	-0.035627	-1.6943	10.719E-6	
40.00000	63.00000	40.20000	0.13721	37.560	-0.029643	-1.5360	9.7711E-6	
41.00000	63.00000	40.20000	0.13519	37.560	-0.024839	-1.3970	8.9295E-6	!
42.00000	63.00000	40.20000	0.13270	37.560	-0.020952	-1.2743	8.1800E-6	!
43.00000	63.00000	40.20000	0.12985	37.560	-0.017781	-1.1657	7.5108E-6	!
44.00000	63.00000	40.20000	0.12674	37.560	-0.015176	-1.0691	6.9116E-6	!
45.00000	63.00000	40.20000	0.12344	37.560	-0.013021	-0.98299	6.3737E-6	!
46.00000	63.00000	40.20000	0.12000	37.560	-0.011228	-0.90591	5.8895E-6	!
47.00000	63.00000	40.20000	0.11648	37.560	-0.0097257	-0.83671	5.4527E-6	!
48.00000	63.00000	40.20000	0.11292	37.560	-0.0084611	-0.77441	5.0576E-6	!
49.00000	63.00000	40.20000	0.10935	37.560	-0.0073908	-0.71816	4.6995E-6	!
50.00000	63.00000	40.20000	0.10579	37.560	-0.0064806	-0.66725	4.3742E-6	!
-10.00000	64.00000	40.20000	0.045921	37.560	-0.23489	-6.1768	36.949E-6	
-9.00000	64.00000	40.20000	0.012312	37.560	-0.30425	-7.1929	42.406E-6	
-8.00000	64.00000	40.20000	-0.029978	37.560	-0.39999	-8.4446	48.918E-6	
-7.00000	64.00000	40.20000	-0.082991	37.560	-0.53499	-10.005	56.718E-6	
-6.00000	64.00000	40.20000	-0.14934	37.560	-0.73013	-11.976	66.074E-6	
-5.00000	64.00000	40.20000	-0.23247	37.560	-1.0207	-14.504	77.263E-6	
-4.00000	64.00000	40.20000	-0.33714	37.560	-1.4686	-17.805	90.473E-6	



-3.00000	64.00000	40.20000	-0.47059	37.560	-2.1880	-22.196	105.55E-6	
-2.00000	64.00000	40.20000	-0.64547	37.560	-3.3994	-28.165	121.32E-6	
-1.00000	64.00000	40.20000	-0.88760	37.560	-5.5438	-36.454	133.85E-6	
0.00000	64.00000	40.20000	-1.2546	37.560	-9.5134	-48.166	132.52E-6	
1.00000	64.00000	40.20000	-1.8697	37.560	-16.986	-64.743	93.088E-6	
2.00000	64.00000	40.20000	-2.9236	37.560	-30.255	-87.334	-23.160E-6	
3.00000	64.00000	40.20000	-4.4633	37.560	-49.629	-114.90	-229.52E-6	
4.00000	64.00000	40.20000	-6.0602	37.560	-69.813	-142.71	-450.57E-6	
5.00000	64.00000	40.20000	-7.1964	37.560	-84.476	-165.42	-594.23E-6	
6.00000	64.00000	40.20000	-7.8250	37.560	-92.777	-181.04	-656.96E-6	
7.00000	64.00000	40.20000	-8.1312	37.560	-96.838	-190.15	-677.71E-6	
8.00000	64.00000	40.20000	-8.2501	37.560	-98.381	-193.77	-684.50E-6	
9.00000	64.00000	40.20000	-8.2349	37.560	-98.098	-192.35	-688.34E-6	
10.00000	64.00000	40.20000	-8.0725	37.560	-95.712	-185.47	-686.49E-6	
11.00000	64.00000	40.20000	-7.6581	37.560	-89.685	-171.72	-657.23E-6	
12.00000	64.00000	40.20000	-6.7108	37.560	-76.507	-149.01	-543.65E-6	
13.00000	64.00000	40.20000	-4.8515	37.560	-52.213	-116.91	-268.25E-6	
14.00000	64.00000	40.20000	-2.5592	37.560	-23.385	-82.768	85.167E-6	
15.00000	64.00000	40.20000	-1.4844	37.560	-9.5676	-59.882	210.53E-6	
16.00000	64.00000	40.20000	-1.6872	37.560	-11.817	-50.401	100.95E-6	
17.00000	64.00000	40.20000	-1.9438	37.560	-15.852	-46.077	-9.9780E-6	
18.00000	64.00000	40.20000	-1.8980	37.560	-16.703	-41.939	-55.166E-6	
19.00000	64.00000	40.20000	-1.6497	37.560	-15.061	-37.056	-54.877E-6	
20.00000	64.00000	40.20000	-1.3078	37.560	-12.106	-31.714	-31.079E-6	
21.00000	64.00000	40.20000	-0.96072	37.560	-8.8892	-26.445	-1.5053E-6	
22.00000	64.00000	40.20000	-0.66654	37.560	-6.1309	-21.697	22.310E-6	
23.00000	64.00000	40.20000	-0.44346	37.560	-4.0895	-17.694	36.632E-6	
24.00000	64.00000	40.20000	-0.28305	37.560	-2.7026	-14.453	42.843E-6	
25.00000	64.00000	40.20000	-0.16896	37.560	-1.7983	-11.881	43.794E-6	
26.00000	64.00000	40.20000	-0.086864	37.560	-1.2155	-9.8511	41.894E-6	
27.00000	64.00000	40.20000	-0.026700	37.560	-0.83807	-8.2454	38.699E-6	
28.00000	64.00000	40.20000	0.018118	37.560	-0.59009	-6.9664	35.085E-6	
29.00000	64.00000	40.20000	0.051862	37.560	-0.42416	-5.9382	31.504E-6	
30.00000	64.00000	40.20000	0.077377	37.560	-0.31092	-5.1038	28.164E-6	
31.00000	64.00000	40.20000	0.096625	37.560	-0.23208	-4.4200	25.143E-6	
32.00000	64.00000	40.20000	0.11101	37.560	-0.17615	-3.8543	22.457E-6	
33.00000	64.00000	40.20000	0.12158	37.560	-0.13574	-3.3824	20.089E-6	
34.00000	64.00000	40.20000	0.12912	37.560	-0.10607	-2.9854	18.010E-6	
35.00000	64.00000	40.20000	0.13425	37.560	-0.083925	-2.6489	16.186E-6	
36.00000	64.00000	40.20000	0.13744	37.560	-0.067171	-2.3618	14.587E-6	
37.00000	64.00000	40.20000	0.13909	37.560	-0.054326	-2.1151	13.181E-6	
38.00000	64.00000	40.20000	0.13950	37.560	-0.044358	-1.9020	11.944E-6	
39.00000	64.00000	40.20000	0.13892	37.560	-0.036536	-1.7169	10.853E-6	
40.00000	64.00000	40.20000	0.13756	37.560	-0.030336	-1.5552	9.8869E-6	
41.00000	64.00000	40.20000	0.13558	37.560	-0.025374	-1.4134	9.0299E-6	!
42.00000	64.00000	40.20000	0.13312	37.560	-0.021368	-1.2885	8.2674E-6	!
43.00000	64.00000	40.20000	0.13029	37.560	-0.018108	-1.1779	7.5870E-6	!
44.00000	64.00000	40.20000	0.12719	37.560	-0.015435	-1.0798	6.9783E-6	!
45.00000	64.00000	40.20000	0.12389	37.560	-0.013228	-0.99228	6.4322E-6	!
46.00000	64.00000	40.20000	0.12045	37.560	-0.011393	-0.91405	5.9411E-6	!
47.00000	64.00000	40.20000	0.11693	37.560	-0.0098598	-0.84386	5.4982E-6	!
48.00000	64.00000	40.20000	0.11335	37.560	-0.0085704	-0.78071	5.0980E-6	!
49.00000	64.00000	40.20000	0.10977	37.560	-0.0074804	-0.72373	4.7353E-6	!
50.00000	64.00000	40.20000	0.10620	37.560	-0.0065544	-0.67219	4.4060E-6	!

-10.00000	65.00000	40.20000	0.044196	37.560	-0.23244	-6.2582	37.549E-6	
-9.00000	65.00000	40.20000	0.010022	37.560	-0.30094	-7.2914	43.137E-6	
-8.00000	65.00000	40.20000	-0.032947	37.560	-0.39556	-8.5641	49.814E-6	
-7.00000	65.00000	40.20000	-0.086770	37.560	-0.52909	-10.151	57.821E-6	
-6.00000	65.00000	40.20000	-0.15407	37.560	-0.72235	-12.154	67.436E-6	
-5.00000	65.00000	40.20000	-0.23832	37.560	-1.0106	-14.723	78.945E-6	
-4.00000	65.00000	40.20000	-0.34428	37.560	-1.4557	-18.074	92.549E-6	
-3.00000	65.00000	40.20000	-0.47921	37.560	-2.1723	-22.527	108.10E-6	
-2.00000	65.00000	40.20000	-0.65577	37.560	-3.3808	-28.571	124.44E-6	
-1.00000	65.00000	40.20000	-0.89979	37.560	-5.5232	-36.951	137.62E-6	
0.00000	65.00000	40.20000	-1.2689	37.560	-9.4924	-48.769	137.01E-6	
1.00000	65.00000	40.20000	-1.8864	37.560	-16.967	-65.464	98.338E-6	
2.00000	65.00000	40.20000	-2.9429	37.560	-30.241	-88.182	-17.168E-6	
3.00000	65.00000	40.20000	-4.4853	37.560	-49.626	-115.87	-222.86E-6	
4.00000	65.00000	40.20000	-6.0850	37.560	-69.822	-143.80	-443.40E-6	
5.00000	65.00000	40.20000	-7.2238	37.560	-84.500	-166.60	-586.76E-6	
6.00000	65.00000	40.20000	-7.8545	37.560	-92.812	-182.25	-649.49E-6	
7.00000	65.00000	40.20000	-8.1617	37.560	-96.872	-191.31	-670.54E-6	
8.00000	65.00000	40.20000	-8.2798	37.560	-98.382	-194.75	-677.88E-6	
9.00000	65.00000	40.20000	-8.2596	37.560	-97.987	-192.93	-682.18E-6	
10.00000	65.00000	40.20000	-8.0828	37.560	-95.317	-185.29	-679.68E-6	
11.00000	65.00000	40.20000	-7.6364	37.560	-88.699	-170.29	-646.94E-6	
12.00000	65.00000	40.20000	-6.6494	37.560	-74.730	-145.91	-528.58E-6	
13.00000	65.00000	40.20000	-4.8255	37.560	-50.440	-112.48	-262.24E-6	
14.00000	65.00000	40.20000	-2.6676	37.560	-22.863	-78.101	64.232E-6	
15.00000	65.00000	40.20000	-1.6128	37.560	-9.4172	-55.715	185.44E-6	
16.00000	65.00000	40.20000	-1.7650	37.560	-11.547	-47.399	86.151E-6	
17.00000	65.00000	40.20000	-2.0483	37.560	-16.343	-44.803	-28.537E-6	
18.00000	65.00000	40.20000	-2.0413	37.560	-17.974	-42.127	-79.642E-6	
19.00000	65.00000	40.20000	-1.8003	37.560	-16.613	-38.052	-79.587E-6	
20.00000	65.00000	40.20000	-1.4394	37.560	-13.535	-32.971	-51.544E-6	
21.00000	65.00000	40.20000	-1.0608	37.560	-9.9942	-27.637	-15.838E-6	
22.00000	65.00000	40.20000	-0.73532	37.560	-6.8862	-22.687	13.696E-6	
23.00000	65.00000	40.20000	-0.48811	37.560	-4.5665	-18.460	32.143E-6	
24.00000	65.00000	40.20000	-0.31158	37.560	-2.9918	-15.026	40.858E-6	
25.00000	65.00000	40.20000	-0.18739	37.560	-1.9712	-12.305	43.158E-6	
26.00000	65.00000	40.20000	-0.099053	37.560	-1.3193	-10.166	41.918E-6	
27.00000	65.00000	40.20000	-0.034958	37.560	-0.90112	-8.4808	39.011E-6	
28.00000	65.00000	40.20000	0.012417	37.560	-0.62912	-7.1446	35.498E-6	
29.00000	65.00000	40.20000	0.047882	37.560	-0.44881	-6.0750	31.928E-6	
30.00000	65.00000	40.20000	0.074590	37.560	-0.32682	-5.2101	28.560E-6	
31.00000	65.00000	40.20000	0.094688	37.560	-0.24256	-4.5038	25.497E-6	
32.00000	65.00000	40.20000	0.10969	37.560	-0.18319	-3.9212	22.766E-6	
33.00000	65.00000	40.20000	0.12072	37.560	-0.14057	-3.4363	20.355E-6	
34.00000	65.00000	40.20000	0.12859	37.560	-0.10943	-3.0293	18.238E-6	
35.00000	65.00000	40.20000	0.13397	37.560	-0.086314	-2.6850	16.382E-6	
36.00000	65.00000	40.20000	0.13735	37.560	-0.068893	-2.3917	14.754E-6	
37.00000	65.00000	40.20000	0.13914	37.560	-0.055585	-2.1401	13.325E-6	
38.00000	65.00000	40.20000	0.13965	37.560	-0.045291	-1.9231	12.068E-6	
39.00000	65.00000	40.20000	0.13915	37.560	-0.037236	-1.7347	10.959E-6	
40.00000	65.00000	40.20000	0.13784	37.560	-0.030867	-1.5704	9.9786E-6	
41.00000	65.00000	40.20000	0.13590	37.560	-0.025781	-1.4264	9.1094E-6	!
42.00000	65.00000	40.20000	0.13346	37.560	-0.021684	-1.2997	8.3365E-6	!
43.00000	65.00000	40.20000	0.13065	37.560	-0.018355	-1.1876	7.6473E-6	!

44.00000	65.00000	40.20000	0.12756	37.560	-0.015629	-1.0882	7.0310E-6	!
45.00000	65.00000	40.20000	0.12426	37.560	-0.013382	-0.99960	6.4785E-6	!
46.00000	65.00000	40.20000	0.12081	37.560	-0.011517	-0.92045	5.9818E-6	!
47.00000	65.00000	40.20000	0.11728	37.560	-0.0099599	-0.84948	5.5342E-6	!
48.00000	65.00000	40.20000	0.11370	37.560	-0.0086516	-0.78567	5.1298E-6	!
49.00000	65.00000	40.20000	0.11010	37.560	-0.0075468	-0.72812	4.7636E-6	!
50.00000	65.00000	40.20000	0.10652	37.560	-0.0066090	-0.67607	4.4312E-6	!
-10.00000	66.00000	40.20000	0.043064	37.560	-0.22952	-6.3155	37.995E-6	
-9.00000	66.00000	40.20000	0.0085006	37.560	-0.29713	-7.3607	43.683E-6	
-8.00000	66.00000	40.20000	-0.034937	37.560	-0.39059	-8.6483	50.484E-6	
-7.00000	66.00000	40.20000	-0.089316	37.560	-0.52265	-10.253	58.644E-6	
-6.00000	66.00000	40.20000	-0.15728	37.560	-0.71407	-12.280	68.450E-6	
-5.00000	66.00000	40.20000	-0.24229	37.560	-1.0000	-14.877	80.194E-6	
-4.00000	66.00000	40.20000	-0.34913	37.560	-1.4426	-18.261	94.084E-6	
-3.00000	66.00000	40.20000	-0.48508	37.560	-2.1562	-22.757	109.98E-6	
-2.00000	66.00000	40.20000	-0.66280	37.560	-3.3618	-28.852	126.72E-6	
-1.00000	66.00000	40.20000	-0.90811	37.560	-5.5014	-37.291	140.36E-6	
0.00000	66.00000	40.20000	-1.2787	37.560	-9.4687	-49.176	140.24E-6	
1.00000	66.00000	40.20000	-1.8978	37.560	-16.943	-65.946	102.09E-6	
2.00000	66.00000	40.20000	-2.9559	37.560	-30.219	-88.743	-12.916E-6	
3.00000	66.00000	40.20000	-4.5001	37.560	-49.607	-116.51	-218.17E-6	
4.00000	66.00000	40.20000	-6.1016	37.560	-69.808	-144.50	-438.36E-6	
5.00000	66.00000	40.20000	-7.2419	37.560	-84.492	-167.35	-581.54E-6	
6.00000	66.00000	40.20000	-7.8738	37.560	-92.808	-183.01	-644.28E-6	
7.00000	66.00000	40.20000	-8.1813	37.560	-96.860	-192.01	-665.56E-6	
8.00000	66.00000	40.20000	-8.2979	37.560	-98.333	-195.29	-673.25E-6	
9.00000	66.00000	40.20000	-8.2718	37.560	-97.820	-193.11	-677.58E-6	
10.00000	66.00000	40.20000	-8.0768	37.560	-94.827	-184.77	-673.29E-6	
11.00000	66.00000	40.20000	-7.5788	37.560	-87.403	-168.49	-632.84E-6	
12.00000	66.00000	40.20000	-6.4790	37.560	-71.826	-142.13	-495.26E-6	
13.00000	66.00000	40.20000	-4.5338	37.560	-45.815	-106.67	-207.78E-6	
14.00000	66.00000	40.20000	-2.3839	37.560	-18.105	-71.505	116.07E-6	
15.00000	66.00000	40.20000	-1.3799	37.560	-5.3499	-49.740	227.48E-6	
16.00000	66.00000	40.20000	-1.6179	37.560	-8.8326	-43.174	112.60E-6	
17.00000	66.00000	40.20000	-2.0320	37.560	-15.522	-42.766	-25.665E-6	
18.00000	66.00000	40.20000	-2.1021	37.560	-18.347	-41.698	-90.097E-6	
19.00000	66.00000	40.20000	-1.8846	37.560	-17.436	-38.468	-93.452E-6	
20.00000	66.00000	40.20000	-1.5200	37.560	-14.399	-33.709	-64.059E-6	
21.00000	66.00000	40.20000	-1.1256	37.560	-10.708	-28.407	-25.097E-6	
22.00000	66.00000	40.20000	-0.78166	37.560	-7.3959	-23.354	7.8785E-6	
23.00000	66.00000	40.20000	-0.51904	37.560	-4.8984	-18.989	28.996E-6	
24.00000	66.00000	40.20000	-0.33166	37.560	-3.1969	-15.428	39.418E-6	
25.00000	66.00000	40.20000	-0.20046	37.560	-2.0951	-12.605	42.673E-6	
26.00000	66.00000	40.20000	-0.10771	37.560	-1.3939	-10.389	41.914E-6	
27.00000	66.00000	40.20000	-0.040806	37.560	-0.94642	-8.6481	39.223E-6	
28.00000	66.00000	40.20000	0.0083942	37.560	-0.65705	-7.2714	35.788E-6	
29.00000	66.00000	40.20000	0.045086	37.560	-0.46637	-6.1724	32.230E-6	
30.00000	66.00000	40.20000	0.072645	37.560	-0.33809	-5.2860	28.844E-6	
31.00000	66.00000	40.20000	0.093346	37.560	-0.24994	-4.5636	25.751E-6	
32.00000	66.00000	40.20000	0.10879	37.560	-0.18812	-3.9689	22.989E-6	
33.00000	66.00000	40.20000	0.12013	37.560	-0.14393	-3.4748	20.548E-6	
34.00000	66.00000	40.20000	0.12825	37.560	-0.11176	-3.0607	18.403E-6	
35.00000	66.00000	40.20000	0.13380	37.560	-0.087955	-2.7109	16.523E-6	
36.00000	66.00000	40.20000	0.13732	37.560	-0.070068	-2.4132	14.875E-6	

37.00000	66.00000	40.20000	0.13920	37.560	-0.056439	-2.1581	13.429E-6	
38.00000	66.00000	40.20000	0.13978	37.560	-0.045920	-1.9382	12.157E-6	
39.00000	66.00000	40.20000	0.13933	37.560	-0.037706	-1.7475	11.036E-6	
40.00000	66.00000	40.20000	0.13806	37.560	-0.031222	-1.5813	10.045E-6	
41.00000	66.00000	40.20000	0.13614	37.560	-0.026052	-1.4358	9.1670E-6	!
42.00000	66.00000	40.20000	0.13373	37.560	-0.021892	-1.3077	8.3866E-6	!
43.00000	66.00000	40.20000	0.13092	37.560	-0.018517	-1.1946	7.6910E-6	!
44.00000	66.00000	40.20000	0.12783	37.560	-0.015757	-1.0942	7.0693E-6	!
45.00000	66.00000	40.20000	0.12453	37.560	-0.013483	-1.0049	6.5121E-6	!
46.00000	66.00000	40.20000	0.12109	37.560	-0.011598	-0.92506	6.0114E-6	!
47.00000	66.00000	40.20000	0.11755	37.560	-0.010024	-0.85354	5.5603E-6	!
48.00000	66.00000	40.20000	0.11396	37.560	-0.0087035	-0.78924	5.1529E-6	!
49.00000	66.00000	40.20000	0.11035	37.560	-0.0075889	-0.73127	4.7840E-6	!
50.00000	66.00000	40.20000	0.10676	37.560	-0.0066434	-0.67888	4.4494E-6	!
-10.00000	67.00000	40.20000	0.042530	37.560	-0.22619	-6.3486	38.286E-6	
-9.00000	67.00000	40.20000	0.0077531	37.560	-0.29287	-7.4009	44.040E-6	
-8.00000	67.00000	40.20000	-0.035942	37.560	-0.38516	-8.6973	50.924E-6	
-7.00000	67.00000	40.20000	-0.090629	37.560	-0.51575	-10.313	59.189E-6	
-6.00000	67.00000	40.20000	-0.15896	37.560	-0.70537	-12.353	69.123E-6	
-5.00000	67.00000	40.20000	-0.24439	37.560	-0.98916	-14.967	81.024E-6	
-4.00000	67.00000	40.20000	-0.35174	37.560	-1.4292	-18.372	95.105E-6	
-3.00000	67.00000	40.20000	-0.48825	37.560	-2.1400	-22.893	111.23E-6	
-2.00000	67.00000	40.20000	-0.66663	37.560	-3.3426	-29.018	128.23E-6	
-1.00000	67.00000	40.20000	-0.91269	37.560	-5.4793	-37.492	142.16E-6	
0.00000	67.00000	40.20000	-1.2841	37.560	-9.4441	-49.417	142.37E-6	
1.00000	67.00000	40.20000	-1.9041	37.560	-16.916	-66.231	104.54E-6	
2.00000	67.00000	40.20000	-2.9633	37.560	-30.192	-89.074	-10.140E-6	
3.00000	67.00000	40.20000	-4.5085	37.560	-49.580	-116.88	-215.11E-6	
4.00000	67.00000	40.20000	-6.1110	37.560	-69.784	-144.92	-435.09E-6	
5.00000	67.00000	40.20000	-7.2522	37.560	-84.471	-167.79	-578.15E-6	
6.00000	67.00000	40.20000	-7.8847	37.560	-92.787	-183.44	-640.90E-6	
7.00000	67.00000	40.20000	-8.1922	37.560	-96.832	-192.41	-662.32E-6	
8.00000	67.00000	40.20000	-8.3076	37.560	-98.276	-195.57	-670.19E-6	
9.00000	67.00000	40.20000	-8.2763	37.560	-97.671	-193.15	-674.33E-6	
10.00000	67.00000	40.20000	-8.0627	37.560	-94.380	-184.27	-667.62E-6	
11.00000	67.00000	40.20000	-7.4962	37.560	-85.998	-166.83	-615.55E-6	
12.00000	67.00000	40.20000	-6.1744	37.560	-67.636	-138.14	-437.34E-6	
13.00000	67.00000	40.20000	-3.7645	37.560	-36.157	-99.130	-63.077E-6	
14.00000	67.00000	40.20000	-1.2397	37.560	-4.1431	-61.451	331.01E-6	
15.00000	67.00000	40.20000	-0.38434	37.560	6.8947	-40.645	414.11E-6	
16.00000	67.00000	40.20000	-1.1177	37.560	-2.3620	-37.565	205.80E-6	
17.00000	67.00000	40.20000	-1.8952	37.560	-13.464	-40.310	0.0	
18.00000	67.00000	40.20000	-2.0983	37.560	-18.060	-40.944	-89.370E-6	
19.00000	67.00000	40.20000	-1.9151	37.560	-17.683	-38.459	-98.519E-6	
20.00000	67.00000	40.20000	-1.5554	37.560	-14.763	-33.986	-69.564E-6	
21.00000	67.00000	40.20000	-1.1562	37.560	-11.040	-28.756	-29.456E-6	
22.00000	67.00000	40.20000	-0.80465	37.560	-7.6464	-23.681	5.0120E-6	
23.00000	67.00000	40.20000	-0.53491	37.560	-5.0675	-19.260	27.396E-6	
24.00000	67.00000	40.20000	-0.34219	37.560	-3.3038	-15.639	38.676E-6	
25.00000	67.00000	40.20000	-0.20739	37.560	-2.1604	-12.765	42.431E-6	
26.00000	67.00000	40.20000	-0.11232	37.560	-1.4334	-10.510	41.930E-6	
27.00000	67.00000	40.20000	-0.043922	37.560	-0.97043	-8.7399	39.357E-6	
28.00000	67.00000	40.20000	0.0062581	37.560	-0.67181	-7.3417	35.965E-6	
29.00000	67.00000	40.20000	0.043612	37.560	-0.47560	-6.2269	32.412E-6	

30.00000	67.00000	40.20000	0.071631	37.560	-0.34396	-5.3288	29.014E-6	
31.00000	67.00000	40.20000	0.092660	37.560	-0.25376	-4.5977	25.904E-6	
32.00000	67.00000	40.20000	0.10834	37.560	-0.19065	-3.9964	23.123E-6	
33.00000	67.00000	40.20000	0.11986	37.560	-0.14564	-3.4971	20.664E-6	
34.00000	67.00000	40.20000	0.12811	37.560	-0.11293	-3.0791	18.503E-6	
35.00000	67.00000	40.20000	0.13376	37.560	-0.088775	-2.7261	16.609E-6	
36.00000	67.00000	40.20000	0.13734	37.560	-0.070650	-2.4258	14.949E-6	
37.00000	67.00000	40.20000	0.13928	37.560	-0.056858	-2.1687	13.492E-6	
38.00000	67.00000	40.20000	0.13990	37.560	-0.046226	-1.9471	12.211E-6	
39.00000	67.00000	40.20000	0.13948	37.560	-0.037931	-1.7551	11.083E-6	
40.00000	67.00000	40.20000	0.13823	37.560	-0.031389	-1.5878	10.086E-6	
41.00000	67.00000	40.20000	0.13632	37.560	-0.026178	-1.4414	9.2023E-6	!
42.00000	67.00000	40.20000	0.13391	37.560	-0.021988	-1.3125	8.4173E-6	!
43.00000	67.00000	40.20000	0.13111	37.560	-0.018590	-1.1988	7.7178E-6	!
44.00000	67.00000	40.20000	0.12802	37.560	-0.015813	-1.0979	7.0927E-6	!
45.00000	67.00000	40.20000	0.12472	37.560	-0.013527	-1.0081	6.5326E-6	!
46.00000	67.00000	40.20000	0.12127	37.560	-0.011632	-0.92785	6.0295E-6	!
47.00000	67.00000	40.20000	0.11773	37.560	-0.010051	-0.85599	5.5762E-6	!
48.00000	67.00000	40.20000	0.11413	37.560	-0.0087251	-0.79140	5.1670E-6	!
49.00000	67.00000	40.20000	0.11052	37.560	-0.0076062	-0.73318	4.7966E-6	!
50.00000	67.00000	40.20000	0.10692	37.560	-0.0066572	-0.68057	4.4605E-6	!
-10.00000	68.00000	40.20000	0.042601	37.560	-0.22247	-6.3573	38.420E-6	
-9.00000	68.00000	40.20000	0.0077856	37.560	-0.28817	-7.4119	44.209E-6	
-8.00000	68.00000	40.20000	-0.035957	37.560	-0.37925	-8.7112	51.138E-6	
-7.00000	68.00000	40.20000	-0.090703	37.560	-0.50834	-10.331	59.459E-6	
-6.00000	68.00000	40.20000	-0.15910	37.560	-0.69614	-12.376	69.462E-6	
-5.00000	68.00000	40.20000	-0.24463	37.560	-0.97776	-14.996	81.450E-6	
-4.00000	68.00000	40.20000	-0.35208	37.560	-1.4153	-18.409	95.636E-6	
-3.00000	68.00000	40.20000	-0.48873	37.560	-2.1233	-22.940	111.89E-6	
-2.00000	68.00000	40.20000	-0.66728	37.560	-3.3228	-29.077	129.03E-6	
-1.00000	68.00000	40.20000	-0.91355	37.560	-5.4564	-37.566	143.13E-6	
0.00000	68.00000	40.20000	-1.2852	37.560	-9.4182	-49.509	143.51E-6	
1.00000	68.00000	40.20000	-1.9055	37.560	-16.888	-66.342	105.87E-6	
2.00000	68.00000	40.20000	-2.9651	37.560	-30.162	-89.206	-8.6373E-6	
3.00000	68.00000	40.20000	-4.5107	37.560	-49.549	-117.04	-213.45E-6	
4.00000	68.00000	40.20000	-6.1137	37.560	-69.753	-145.09	-433.30E-6	
5.00000	68.00000	40.20000	-7.2554	37.560	-84.441	-167.97	-576.29E-6	
6.00000	68.00000	40.20000	-7.8882	37.560	-92.758	-183.64	-639.03E-6	
7.00000	68.00000	40.20000	-8.1959	37.560	-96.803	-192.59	-660.50E-6	
8.00000	68.00000	40.20000	-8.3110	37.560	-98.242	-195.73	-668.48E-6	
9.00000	68.00000	40.20000	-8.2785	37.560	-97.616	-193.23	-672.67E-6	
10.00000	68.00000	40.20000	-8.0603	37.560	-94.257	-184.21	-665.52E-6	
11.00000	68.00000	40.20000	-7.4760	37.560	-85.635	-166.47	-610.63E-6	
12.00000	68.00000	40.20000	-6.0917	37.560	-66.508	-137.15	-421.19E-6	
13.00000	68.00000	40.20000	-3.5413	37.560	-33.406	-97.124	-20.893E-6	
14.00000	68.00000	40.20000	-0.89443	37.560	-0.010222	-58.658	395.87E-6	
15.00000	68.00000	40.20000	-0.080268	37.560	10.558	-38.065	470.91E-6	
16.00000	68.00000	40.20000	-0.96249	37.560	-0.40739	-35.927	234.34E-6	
17.00000	68.00000	40.20000	-1.8436	37.560	-12.746	-39.487	8.4340E-6	
18.00000	68.00000	40.20000	-2.0820	37.560	-17.802	-40.541	-86.865E-6	
19.00000	68.00000	40.20000	-1.9087	37.560	-17.574	-38.253	-97.701E-6	
20.00000	68.00000	40.20000	-1.5531	37.560	-14.718	-33.885	-69.342E-6	
21.00000	68.00000	40.20000	-1.1560	37.560	-11.027	-28.714	-29.494E-6	
22.00000	68.00000	40.20000	-0.80534	37.560	-7.6478	-23.671	4.9140E-6	

23.00000	68.00000	40.20000	-0.53572	37.560	-5.0724	-19.265	27.335E-6	
24.00000	68.00000	40.20000	-0.34285	37.560	-3.3080	-15.651	38.671E-6	
25.00000	68.00000	40.20000	-0.20787	37.560	-2.1632	-12.779	42.468E-6	
26.00000	68.00000	40.20000	-0.11265	37.560	-1.4350	-10.524	41.990E-6	
27.00000	68.00000	40.20000	-0.044147	37.560	-0.97132	-8.7526	39.424E-6	
28.00000	68.00000	40.20000	0.0061123	37.560	-0.67227	-7.3531	36.032E-6	
29.00000	68.00000	40.20000	0.043527	37.560	-0.47582	-6.2369	32.475E-6	
30.00000	68.00000	40.20000	0.071593	37.560	-0.34405	-5.3375	29.071E-6	
31.00000	68.00000	40.20000	0.092660	37.560	-0.25378	-4.6052	25.955E-6	
32.00000	68.00000	40.20000	0.10837	37.560	-0.19064	-4.0029	23.167E-6	
33.00000	68.00000	40.20000	0.11991	37.560	-0.14561	-3.5027	20.702E-6	
34.00000	68.00000	40.20000	0.12818	37.560	-0.11290	-3.0839	18.536E-6	
35.00000	68.00000	40.20000	0.13384	37.560	-0.088739	-2.7302	16.638E-6	
36.00000	68.00000	40.20000	0.13744	37.560	-0.070615	-2.4294	14.974E-6	
37.00000	68.00000	40.20000	0.13938	37.560	-0.056825	-2.1718	13.514E-6	
38.00000	68.00000	40.20000	0.14001	37.560	-0.046195	-1.9498	12.230E-6	
39.00000	68.00000	40.20000	0.13959	37.560	-0.037904	-1.7575	11.099E-6	
40.00000	68.00000	40.20000	0.13834	37.560	-0.031365	-1.5899	10.100E-6	
41.00000	68.00000	40.20000	0.13643	37.560	-0.026156	-1.4431	9.2147E-6	!
42.00000	68.00000	40.20000	0.13402	37.560	-0.021969	-1.3141	8.4281E-6	!
43.00000	68.00000	40.20000	0.13122	37.560	-0.018573	-1.2001	7.7273E-6	!
44.00000	68.00000	40.20000	0.12812	37.560	-0.015798	-1.0991	7.1011E-6	!
45.00000	68.00000	40.20000	0.12482	37.560	-0.013514	-1.0091	6.5400E-6	!
46.00000	68.00000	40.20000	0.12136	37.560	-0.011620	-0.92878	6.0360E-6	!
47.00000	68.00000	40.20000	0.11782	37.560	-0.010041	-0.85681	5.5820E-6	!
48.00000	68.00000	40.20000	0.11422	37.560	-0.0087160	-0.79213	5.1721E-6	!
49.00000	68.00000	40.20000	0.11060	37.560	-0.0075981	-0.73383	4.8011E-6	!
50.00000	68.00000	40.20000	0.10700	37.560	-0.0066501	-0.68115	4.4646E-6	!
-10.00000	69.00000	40.20000	0.043279	37.560	-0.21833	-6.3416	38.398E-6	
-9.00000	69.00000	40.20000	0.0086034	37.560	-0.28300	-7.3936	44.191E-6	
-8.00000	69.00000	40.20000	-0.034974	37.560	-0.37278	-8.6901	51.126E-6	
-7.00000	69.00000	40.20000	-0.089527	37.560	-0.50028	-10.306	59.457E-6	
-6.00000	69.00000	40.20000	-0.15770	37.560	-0.68616	-12.348	69.475E-6	
-5.00000	69.00000	40.20000	-0.24297	37.560	-0.96549	-14.964	81.483E-6	
-4.00000	69.00000	40.20000	-0.35014	37.560	-1.4003	-18.373	95.696E-6	
-3.00000	69.00000	40.20000	-0.48648	37.560	-2.1053	-22.900	111.98E-6	
-2.00000	69.00000	40.20000	-0.66470	37.560	-3.3014	-29.033	129.16E-6	
-1.00000	69.00000	40.20000	-0.91064	37.560	-5.4314	-37.518	143.31E-6	
0.00000	69.00000	40.20000	-1.2820	37.560	-9.3896	-49.458	143.75E-6	
1.00000	69.00000	40.20000	-1.9020	37.560	-16.856	-66.290	106.17E-6	
2.00000	69.00000	40.20000	-2.9614	37.560	-30.127	-89.153	-8.2798E-6	
3.00000	69.00000	40.20000	-4.5068	37.560	-49.512	-116.99	-213.03E-6	
4.00000	69.00000	40.20000	-6.1098	37.560	-69.715	-145.04	-432.83E-6	
5.00000	69.00000	40.20000	-7.2515	37.560	-84.403	-167.94	-575.77E-6	
6.00000	69.00000	40.20000	-7.8846	37.560	-92.723	-183.61	-638.46E-6	
7.00000	69.00000	40.20000	-8.1928	37.560	-96.776	-192.60	-659.90E-6	
8.00000	69.00000	40.20000	-8.3090	37.560	-98.236	-195.79	-667.93E-6	
9.00000	69.00000	40.20000	-8.2800	37.560	-97.676	-193.42	-672.59E-6	
10.00000	69.00000	40.20000	-8.0755	37.560	-94.532	-184.70	-667.78E-6	
11.00000	69.00000	40.20000	-7.5460	37.560	-86.663	-167.72	-623.02E-6	
12.00000	69.00000	40.20000	-6.3524	37.560	-69.893	-140.15	-469.48E-6	
13.00000	69.00000	40.20000	-4.2226	37.560	-41.689	-103.03	-148.78E-6	
14.00000	69.00000	40.20000	-1.9313	37.560	-12.345	-66.723	200.47E-6	
15.00000	69.00000	40.20000	-0.97827	37.560	-0.19271	-45.218	301.42E-6	

16.00000	69.00000	40.20000	-1.3942	37.560	-5.7908	-39.973	152.61E-6	
17.00000	69.00000	40.20000	-1.9431	37.560	-14.170	-40.887	-10.959E-6	
18.00000	69.00000	40.20000	-2.0654	37.560	-17.735	-40.647	-84.794E-6	
19.00000	69.00000	40.20000	-1.8675	37.560	-17.138	-37.893	-91.287E-6	
20.00000	69.00000	40.20000	-1.5140	37.560	-14.273	-33.421	-63.460E-6	
21.00000	69.00000	40.20000	-1.1258	37.560	-10.677	-28.289	-25.267E-6	
22.00000	69.00000	40.20000	-0.78414	37.560	-7.4039	-23.330	7.5501E-6	
23.00000	69.00000	40.20000	-0.52165	37.560	-4.9145	-19.009	28.805E-6	
24.00000	69.00000	40.20000	-0.33371	37.560	-3.2100	-15.466	39.409E-6	
25.00000	69.00000	40.20000	-0.20192	37.560	-2.1035	-12.648	42.791E-6	
26.00000	69.00000	40.20000	-0.10872	37.560	-1.3987	-10.431	42.098E-6	
27.00000	69.00000	40.20000	-0.041490	37.560	-0.94902	-8.6864	39.429E-6	
28.00000	69.00000	40.20000	0.0079510	37.560	-0.65838	-7.3055	35.992E-6	
29.00000	69.00000	40.20000	0.044826	37.560	-0.46700	-6.2023	32.420E-6	
30.00000	69.00000	40.20000	0.072529	37.560	-0.33834	-5.3120	29.015E-6	
31.00000	69.00000	40.20000	0.093344	37.560	-0.24999	-4.5861	25.903E-6	
32.00000	69.00000	40.20000	0.10888	37.560	-0.18808	-3.9884	23.121E-6	
33.00000	69.00000	40.20000	0.12029	37.560	-0.14384	-3.4916	20.663E-6	
34.00000	69.00000	40.20000	0.12846	37.560	-0.11165	-3.0752	18.503E-6	
35.00000	69.00000	40.20000	0.13406	37.560	-0.087844	-2.7234	16.610E-6	
36.00000	69.00000	40.20000	0.13760	37.560	-0.069961	-2.4239	14.950E-6	
37.00000	69.00000	40.20000	0.13951	37.560	-0.056340	-2.1674	13.494E-6	
38.00000	69.00000	40.20000	0.14010	37.560	-0.045830	-1.9462	12.213E-6	
39.00000	69.00000	40.20000	0.13966	37.560	-0.037624	-1.7545	11.085E-6	
40.00000	69.00000	40.20000	0.13839	37.560	-0.031149	-1.5874	10.088E-6	
41.00000	69.00000	40.20000	0.13647	37.560	-0.025987	-1.4411	9.2042E-6	!
42.00000	69.00000	40.20000	0.13405	37.560	-0.021835	-1.3124	8.4191E-6	!
43.00000	69.00000	40.20000	0.13124	37.560	-0.018466	-1.1986	7.7195E-6	!
44.00000	69.00000	40.20000	0.12814	37.560	-0.015712	-1.0978	7.0943E-6	!
45.00000	69.00000	40.20000	0.12483	37.560	-0.013443	-1.0080	6.5341E-6	!
46.00000	69.00000	40.20000	0.12137	37.560	-0.011563	-0.92784	6.0308E-6	!
47.00000	69.00000	40.20000	0.11782	37.560	-0.0099934	-0.85599	5.5775E-6	!
48.00000	69.00000	40.20000	0.11422	37.560	-0.0086763	-0.79142	5.1681E-6	!
49.00000	69.00000	40.20000	0.11060	37.560	-0.0075649	-0.73321	4.7976E-6	!
50.00000	69.00000	40.20000	0.10699	37.560	-0.0066222	-0.68060	4.4615E-6	!
-10.00000	70.00000	40.20000	0.044567	37.560	-0.21374	-6.3016	38.220E-6	
-9.00000	70.00000	40.20000	0.010212	37.560	-0.27727	-7.3462	43.987E-6	
-8.00000	70.00000	40.20000	-0.032983	37.560	-0.36563	-8.6338	50.891E-6	
-7.00000	70.00000	40.20000	-0.087083	37.560	-0.49138	-10.240	59.187E-6	
-6.00000	70.00000	40.20000	-0.15473	37.560	-0.67511	-12.269	69.167E-6	
-5.00000	70.00000	40.20000	-0.23938	37.560	-0.95186	-14.871	81.131E-6	
-4.00000	70.00000	40.20000	-0.34585	37.560	-1.3836	-18.264	95.295E-6	
-3.00000	70.00000	40.20000	-0.48140	37.560	-2.0850	-22.772	111.53E-6	
-2.00000	70.00000	40.20000	-0.65876	37.560	-3.2770	-28.884	128.65E-6	
-1.00000	70.00000	40.20000	-0.90378	37.560	-5.4025	-37.348	142.74E-6	
0.00000	70.00000	40.20000	-1.2742	37.560	-9.3559	-49.265	143.13E-6	
1.00000	70.00000	40.20000	-1.8933	37.560	-16.817	-66.074	105.49E-6	
2.00000	70.00000	40.20000	-2.9518	37.560	-30.083	-88.916	-9.0076E-6	
3.00000	70.00000	40.20000	-4.4965	37.560	-49.465	-116.73	-213.79E-6	
4.00000	70.00000	40.20000	-6.0989	37.560	-69.665	-144.78	-433.60E-6	
5.00000	70.00000	40.20000	-7.2403	37.560	-84.352	-167.68	-576.51E-6	
6.00000	70.00000	40.20000	-7.8735	37.560	-92.676	-183.37	-639.12E-6	
7.00000	70.00000	40.20000	-8.1823	37.560	-96.743	-192.42	-660.45E-6	
8.00000	70.00000	40.20000	-8.3004	37.560	-98.241	-195.73	-668.42E-6	

9.00000	70.00000	40.20000	-8.2771	37.560	-97.787	-193.62	-673.51E-6	
10.00000	70.00000	40.20000	-8.0911	37.560	-94.955	-185.44	-671.38E-6	
11.00000	70.00000	40.20000	-7.6242	37.560	-87.994	-169.57	-637.52E-6	
12.00000	70.00000	40.20000	-6.6112	37.560	-73.559	-144.07	-517.31E-6	
13.00000	70.00000	40.20000	-4.8095	37.560	-49.318	-109.72	-258.14E-6	
14.00000	70.00000	40.20000	-2.7347	37.560	-22.532	-75.033	50.211E-6	
15.00000	70.00000	40.20000	-1.6597	37.560	-8.9319	-52.531	173.78E-6	
16.00000	70.00000	40.20000	-1.7278	37.560	-10.358	-44.390	89.903E-6	
17.00000	70.00000	40.20000	-1.9920	37.560	-15.196	-42.496	-20.871E-6	
18.00000	70.00000	40.20000	-1.9983	37.560	-17.182	-40.623	-73.763E-6	
19.00000	70.00000	40.20000	-1.7756	37.560	-16.161	-37.179	-76.321E-6	
20.00000	70.00000	40.20000	-1.4314	37.560	-13.345	-32.533	-50.654E-6	
21.00000	70.00000	40.20000	-1.0627	37.560	-9.9573	-27.468	-16.230E-6	
22.00000	70.00000	40.20000	-0.74041	37.560	-6.9072	-22.663	13.106E-6	
23.00000	70.00000	40.20000	-0.49289	37.560	-4.5958	-18.503	31.839E-6	
24.00000	70.00000	40.20000	-0.31515	37.560	-3.0137	-15.095	40.875E-6	
25.00000	70.00000	40.20000	-0.18989	37.560	-1.9847	-12.379	43.384E-6	
26.00000	70.00000	40.20000	-0.10077	37.560	-1.3268	-10.237	42.244E-6	
27.00000	70.00000	40.20000	-0.036119	37.560	-0.90514	-8.5455	39.366E-6	
28.00000	70.00000	40.20000	0.011661	37.560	-0.63114	-7.2019	35.845E-6	
29.00000	70.00000	40.20000	0.047435	37.560	-0.44976	-6.1252	32.248E-6	
30.00000	70.00000	40.20000	0.074387	37.560	-0.32719	-5.2537	28.846E-6	
31.00000	70.00000	40.20000	0.094678	37.560	-0.24263	-4.5414	25.750E-6	
32.00000	70.00000	40.20000	0.10984	37.560	-0.18311	-3.9536	22.986E-6	
33.00000	70.00000	40.20000	0.12098	37.560	-0.14042	-3.4642	20.547E-6	
34.00000	70.00000	40.20000	0.12895	37.560	-0.10925	-3.0533	18.404E-6	
35.00000	70.00000	40.20000	0.13440	37.560	-0.086130	-2.7057	16.525E-6	
36.00000	70.00000	40.20000	0.13783	37.560	-0.068715	-2.4096	14.878E-6	
37.00000	70.00000	40.20000	0.13965	37.560	-0.055419	-2.1556	13.432E-6	
38.00000	70.00000	40.20000	0.14018	37.560	-0.045140	-1.9364	12.161E-6	
39.00000	70.00000	40.20000	0.13969	37.560	-0.037101	-1.7463	11.040E-6	
40.00000	70.00000	40.20000	0.13838	37.560	-0.030746	-1.5805	10.049E-6	
41.00000	70.00000	40.20000	0.13644	37.560	-0.025674	-1.4352	9.1711E-6	!
42.00000	70.00000	40.20000	0.13400	37.560	-0.021588	-1.3074	8.3904E-6	!
43.00000	70.00000	40.20000	0.13117	37.560	-0.018270	-1.1944	7.6946E-6	!
44.00000	70.00000	40.20000	0.12806	37.560	-0.015555	-1.0941	7.0726E-6	!
45.00000	70.00000	40.20000	0.12474	37.560	-0.013317	-1.0048	6.5151E-6	!
46.00000	70.00000	40.20000	0.12128	37.560	-0.011460	-0.92506	6.0141E-6	!
47.00000	70.00000	40.20000	0.11773	37.560	-0.0099088	-0.85356	5.5627E-6	!
48.00000	70.00000	40.20000	0.11413	37.560	-0.0086065	-0.78928	5.1551E-6	!
49.00000	70.00000	40.20000	0.11051	37.560	-0.0075069	-0.73133	4.7861E-6	!
50.00000	70.00000	40.20000	0.10691	37.560	-0.0065737	-0.67894	4.4512E-6	!
-10.00000	71.00000	40.20000	0.046464	37.560	-0.20865	-6.2372	37.889E-6	
-9.00000	71.00000	40.20000	0.012615	37.560	-0.27089	-7.2695	43.598E-6	
-8.00000	71.00000	40.20000	-0.029973	37.560	-0.35764	-8.5423	50.435E-6	
-7.00000	71.00000	40.20000	-0.083349	37.560	-0.48137	-10.130	58.652E-6	
-6.00000	71.00000	40.20000	-0.15014	37.560	-0.66260	-12.138	68.539E-6	
-5.00000	71.00000	40.20000	-0.23380	37.560	-0.93625	-14.715	80.396E-6	
-4.00000	71.00000	40.20000	-0.33911	37.560	-1.3642	-18.079	94.438E-6	
-3.00000	71.00000	40.20000	-0.47336	37.560	-2.0610	-22.553	110.53E-6	
-2.00000	71.00000	40.20000	-0.64927	37.560	-3.2478	-28.627	127.51E-6	
-1.00000	71.00000	40.20000	-0.89271	37.560	-5.3672	-37.047	141.43E-6	
0.00000	71.00000	40.20000	-1.2615	37.560	-9.3137	-48.918	141.64E-6	
1.00000	71.00000	40.20000	-1.8789	37.560	-16.768	-65.680	103.83E-6	



2.00000	71.00000	40.20000	-2.9357	37.560	-30.027	-88.477	-10.822E-6	
3.00000	71.00000	40.20000	-4.4790	37.560	-49.401	-116.25	-215.74E-6	
4.00000	71.00000	40.20000	-6.0802	37.560	-69.596	-144.27	-435.63E-6	
5.00000	71.00000	40.20000	-7.2209	37.560	-84.281	-167.16	-578.55E-6	
6.00000	71.00000	40.20000	-7.8538	37.560	-92.608	-182.88	-641.08E-6	
7.00000	71.00000	40.20000	-8.1632	37.560	-96.689	-192.00	-662.20E-6	
8.00000	71.00000	40.20000	-8.2834	37.560	-98.229	-195.47	-669.93E-6	
9.00000	71.00000	40.20000	-8.2653	37.560	-97.880	-193.67	-675.04E-6	
10.00000	71.00000	40.20000	-8.0924	37.560	-95.297	-186.06	-674.10E-6	
11.00000	71.00000	40.20000	-7.6532	37.560	-88.829	-171.11	-644.01E-6	
12.00000	71.00000	40.20000	-6.6639	37.560	-74.911	-146.70	-526.86E-6	
13.00000	71.00000	40.20000	-4.7676	37.560	-49.876	-112.79	-248.77E-6	
14.00000	71.00000	40.20000	-2.4670	37.560	-20.732	-77.404	102.68E-6	
15.00000	71.00000	40.20000	-1.3832	37.560	-6.8971	-54.375	227.44E-6	
16.00000	71.00000	40.20000	-1.5854	37.560	-9.4911	-45.807	117.04E-6	
17.00000	71.00000	40.20000	-1.8629	37.560	-14.171	-42.851	2.2885E-6	
18.00000	71.00000	40.20000	-1.8416	37.560	-15.616	-39.928	-46.728E-6	
19.00000	71.00000	40.20000	-1.6187	37.560	-14.457	-35.929	-50.246E-6	
20.00000	71.00000	40.20000	-1.2995	37.560	-11.864	-31.174	-29.835E-6	
21.00000	71.00000	40.20000	-0.96531	37.560	-8.8514	-26.257	-2.0062E-6	
22.00000	71.00000	40.20000	-0.67455	37.560	-6.1642	-21.692	21.603E-6	
23.00000	71.00000	40.20000	-0.45046	37.560	-4.1292	-17.770	36.342E-6	
24.00000	71.00000	40.20000	-0.28815	37.560	-2.7309	-14.557	42.976E-6	
25.00000	71.00000	40.20000	-0.17250	37.560	-1.8152	-11.989	44.184E-6	
26.00000	71.00000	40.20000	-0.089308	37.560	-1.2249	-9.9534	42.395E-6	
27.00000	71.00000	40.20000	-0.028365	37.560	-0.84301	-8.3376	39.221E-6	
28.00000	71.00000	40.20000	0.017027	37.560	-0.59256	-7.0476	35.584E-6	
29.00000	71.00000	40.20000	0.051212	37.560	-0.42529	-6.0090	31.959E-6	
30.00000	71.00000	40.20000	0.077074	37.560	-0.31134	-5.1649	28.568E-6	
31.00000	71.00000	40.20000	0.096597	37.560	-0.23214	-4.4726	25.498E-6	
32.00000	71.00000	40.20000	0.11120	37.560	-0.17601	-3.8996	22.766E-6	
33.00000	71.00000	40.20000	0.12194	37.560	-0.13552	-3.4213	20.357E-6	
34.00000	71.00000	40.20000	0.12962	37.560	-0.10581	-3.0189	18.241E-6	
35.00000	71.00000	40.20000	0.13484	37.560	-0.083666	-2.6778	16.386E-6	
36.00000	71.00000	40.20000	0.13811	37.560	-0.066923	-2.3866	14.760E-6	
37.00000	71.00000	40.20000	0.13980	37.560	-0.054096	-2.1366	13.331E-6	
38.00000	71.00000	40.20000	0.14024	37.560	-0.044148	-1.9206	12.074E-6	
39.00000	71.00000	40.20000	0.13968	37.560	-0.036348	-1.7330	10.966E-6	
40.00000	71.00000	40.20000	0.13832	37.560	-0.030167	-1.5693	9.9851E-6	
41.00000	71.00000	40.20000	0.13634	37.560	-0.025224	-1.4257	9.1156E-6	!
42.00000	71.00000	40.20000	0.13386	37.560	-0.021235	-1.2992	8.3423E-6	!
43.00000	71.00000	40.20000	0.13102	37.560	-0.017991	-1.1873	7.6527E-6	!
44.00000	71.00000	40.20000	0.12790	37.560	-0.015331	-1.0880	7.0360E-6	!
45.00000	71.00000	40.20000	0.12457	37.560	-0.013136	-0.99954	6.4831E-6	!
46.00000	71.00000	40.20000	0.12111	37.560	-0.011313	-0.92045	5.9860E-6	!
47.00000	71.00000	40.20000	0.11755	37.560	-0.0097888	-0.84953	5.5379E-6	!
48.00000	71.00000	40.20000	0.11395	37.560	-0.0085077	-0.78574	5.1332E-6	!
49.00000	71.00000	40.20000	0.11034	37.560	-0.0074250	-0.72820	4.7666E-6	!
50.00000	71.00000	40.20000	0.10674	37.560	-0.0065054	-0.67617	4.4339E-6	!
-10.00000	72.00000	40.20000	0.048967	37.560	-0.20299	-6.1487	37.406E-6	
-9.00000	72.00000	40.20000	0.015812	37.560	-0.26376	-7.1636	43.028E-6	
-8.00000	72.00000	40.20000	-0.025936	37.560	-0.34863	-8.4153	49.761E-6	
-7.00000	72.00000	40.20000	-0.078305	37.560	-0.46997	-9.9779	57.853E-6	
-6.00000	72.00000	40.20000	-0.14390	37.560	-0.64815	-11.955	67.594E-6	

-5.00000	72.00000	40.20000	-0.22614	37.560	-0.91795	-14.495	79.279E-6	
-4.00000	72.00000	40.20000	-0.32981	37.560	-1.3411	-17.814	93.121E-6	
-3.00000	72.00000	40.20000	-0.46217	37.560	-2.0319	-22.236	108.99E-6	
-2.00000	72.00000	40.20000	-0.63594	37.560	-3.2112	-28.250	125.70E-6	
-1.00000	72.00000	40.20000	-0.87704	37.560	-5.3218	-36.603	139.35E-6	
0.00000	72.00000	40.20000	-1.2433	37.560	-9.2581	-48.400	139.27E-6	
1.00000	72.00000	40.20000	-1.8581	37.560	-16.701	-65.084	101.16E-6	
2.00000	72.00000	40.20000	-2.9124	37.560	-29.948	-87.804	-13.777E-6	
3.00000	72.00000	40.20000	-4.4533	37.560	-49.311	-115.51	-218.94E-6	
4.00000	72.00000	40.20000	-6.0525	37.560	-69.496	-143.47	-439.01E-6	
5.00000	72.00000	40.20000	-7.1917	37.560	-84.175	-166.33	-582.00E-6	
6.00000	72.00000	40.20000	-7.8239	37.560	-92.502	-182.06	-644.46E-6	
7.00000	72.00000	40.20000	-8.1336	37.560	-96.596	-191.25	-665.35E-6	
8.00000	72.00000	40.20000	-8.2557	37.560	-98.175	-194.90	-672.71E-6	
9.00000	72.00000	40.20000	-8.2423	37.560	-97.925	-193.43	-677.53E-6	
10.00000	72.00000	40.20000	-8.0806	37.560	-95.564	-186.42	-677.10E-6	
11.00000	72.00000	40.20000	-7.6651	37.560	-89.539	-172.41	-649.61E-6	
12.00000	72.00000	40.20000	-6.7109	37.560	-76.263	-149.22	-537.27E-6	
13.00000	72.00000	40.20000	-4.8204	37.560	-51.532	-116.26	-258.88E-6	
14.00000	72.00000	40.20000	-2.4444	37.560	-21.650	-80.864	107.45E-6	
15.00000	72.00000	40.20000	-1.2808	37.560	-6.7956	-56.967	247.00E-6	
16.00000	72.00000	40.20000	-1.4410	37.560	-8.6223	-47.109	143.43E-6	
17.00000	72.00000	40.20000	-1.6692	37.560	-12.438	-42.724	36.521E-6	
18.00000	72.00000	40.20000	-1.6194	37.560	-13.328	-38.720	-8.5361E-6	
19.00000	72.00000	40.20000	-1.4068	37.560	-12.145	-34.209	-15.036E-6	
20.00000	72.00000	40.20000	-1.1260	37.560	-9.9246	-29.416	-2.4131E-6	
21.00000	72.00000	40.20000	-0.83971	37.560	-7.4367	-24.728	16.327E-6	
22.00000	72.00000	40.20000	-0.59119	37.560	-5.2328	-20.481	32.296E-6	
23.00000	72.00000	40.20000	-0.39750	37.560	-3.5537	-16.860	41.854E-6	
24.00000	72.00000	40.20000	-0.25472	37.560	-2.3859	-13.889	45.455E-6	
25.00000	72.00000	40.20000	-0.15100	37.560	-1.6096	-11.502	45.060E-6	
26.00000	72.00000	40.20000	-0.075090	37.560	-1.1013	-9.5966	42.489E-6	
27.00000	72.00000	40.20000	-0.018698	37.560	-0.76751	-8.0737	38.968E-6	
28.00000	72.00000	40.20000	0.023751	37.560	-0.54548	-6.8498	35.202E-6	
29.00000	72.00000	40.20000	0.055963	37.560	-0.39528	-5.8587	31.552E-6	
30.00000	72.00000	40.20000	0.080460	37.560	-0.29178	-5.0492	28.183E-6	
31.00000	72.00000	40.20000	0.099015	37.560	-0.21911	-4.3823	25.152E-6	
32.00000	72.00000	40.20000	0.11292	37.560	-0.16716	-3.8282	22.463E-6	
33.00000	72.00000	40.20000	0.12314	37.560	-0.12939	-3.3642	20.095E-6	
34.00000	72.00000	40.20000	0.13043	37.560	-0.10148	-2.9727	18.017E-6	
35.00000	72.00000	40.20000	0.13537	37.560	-0.080554	-2.6401	16.195E-6	
36.00000	72.00000	40.20000	0.13842	37.560	-0.064652	-2.3556	14.596E-6	
37.00000	72.00000	40.20000	0.13995	37.560	-0.052413	-2.1109	13.191E-6	
38.00000	72.00000	40.20000	0.14027	37.560	-0.042885	-1.8991	11.954E-6	
39.00000	72.00000	40.20000	0.13961	37.560	-0.035387	-1.7149	10.862E-6	
40.00000	72.00000	40.20000	0.13819	37.560	-0.029428	-1.5539	9.8962E-6	
41.00000	72.00000	40.20000	0.13615	37.560	-0.024649	-1.4125	9.0386E-6	!
42.00000	72.00000	40.20000	0.13365	37.560	-0.020784	-1.2879	8.2755E-6	!
43.00000	72.00000	40.20000	0.13078	37.560	-0.017633	-1.1776	7.5945E-6	!
44.00000	72.00000	40.20000	0.12764	37.560	-0.015045	-1.0796	6.9851E-6	!
45.00000	72.00000	40.20000	0.12431	37.560	-0.012905	-0.99223	6.4384E-6	!
46.00000	72.00000	40.20000	0.12084	37.560	-0.011125	-0.91407	5.9467E-6	!
47.00000	72.00000	40.20000	0.11728	37.560	-0.0096352	-0.84393	5.5033E-6	!
48.00000	72.00000	40.20000	0.11369	37.560	-0.0083811	-0.78082	5.1025E-6	!

49.00000	72.00000	40.20000	0.11008	37.560	-0.0073201	-0.72386	4.7394E-6	!
50.00000	72.00000	40.20000	0.10649	37.560	-0.0064180	-0.67232	4.4097E-6	!
-10.00000	73.00000	40.20000	0.052064	37.560	-0.19669	-6.0365	36.776E-6	
-9.00000	73.00000	40.20000	0.019798	37.560	-0.25575	-7.0288	42.280E-6	
-8.00000	73.00000	40.20000	-0.020871	37.560	-0.33841	-8.2529	48.871E-6	
-7.00000	73.00000	40.20000	-0.071935	37.560	-0.45686	-9.7816	56.794E-6	
-6.00000	73.00000	40.20000	-0.13596	37.560	-0.63126	-11.717	66.332E-6	
-5.00000	73.00000	40.20000	-0.21634	37.560	-0.89612	-14.207	77.777E-6	
-4.00000	73.00000	40.20000	-0.31780	37.560	-1.3128	-17.465	91.338E-6	
-3.00000	73.00000	40.20000	-0.44760	37.560	-1.9953	-21.814	106.88E-6	
-2.00000	73.00000	40.20000	-0.61844	37.560	-3.1640	-27.742	123.23E-6	
-1.00000	73.00000	40.20000	-0.85625	37.560	-5.2614	-35.995	136.47E-6	
0.00000	73.00000	40.20000	-1.2189	37.560	-9.1819	-47.681	135.96E-6	
1.00000	73.00000	40.20000	-1.8300	37.560	-16.606	-64.245	97.404E-6	
2.00000	73.00000	40.20000	-2.8805	37.560	-29.834	-86.842	-17.957E-6	
3.00000	73.00000	40.20000	-4.4178	37.560	-49.177	-114.43	-223.50E-6	
4.00000	73.00000	40.20000	-6.0138	37.560	-69.344	-142.30	-443.87E-6	
5.00000	73.00000	40.20000	-7.1506	37.560	-84.010	-165.09	-587.03E-6	
6.00000	73.00000	40.20000	-7.7814	37.560	-92.331	-180.81	-649.48E-6	
7.00000	73.00000	40.20000	-8.0909	37.560	-96.434	-190.05	-670.16E-6	
8.00000	73.00000	40.20000	-8.2145	37.560	-98.050	-193.87	-677.09E-6	
9.00000	73.00000	40.20000	-8.2061	37.560	-97.899	-192.76	-681.56E-6	
10.00000	73.00000	40.20000	-8.0581	37.560	-95.793	-186.39	-681.91E-6	
11.00000	73.00000	40.20000	-7.6849	37.560	-90.445	-173.55	-660.25E-6	
12.00000	73.00000	40.20000	-6.8614	37.560	-78.954	-152.38	-570.45E-6	
13.00000	73.00000	40.20000	-5.2724	37.560	-57.906	-122.28	-347.34E-6	
14.00000	73.00000	40.20000	-3.1660	37.560	-31.143	-88.823	-31.096E-6	
15.00000	73.00000	40.20000	-1.8099	37.560	-14.021	-63.519	144.88E-6	
16.00000	73.00000	40.20000	-1.5425	37.560	-10.733	-50.182	121.43E-6	
17.00000	73.00000	40.20000	-1.5144	37.560	-11.265	-42.939	61.747E-6	
18.00000	73.00000	40.20000	-1.3844	37.560	-10.951	-37.382	30.583E-6	
19.00000	73.00000	40.20000	-1.1761	37.560	-9.6531	-32.272	22.371E-6	
20.00000	73.00000	40.20000	-0.93693	37.560	-7.8320	-27.454	26.728E-6	
21.00000	73.00000	40.20000	-0.70303	37.560	-5.9157	-23.030	35.669E-6	
22.00000	73.00000	40.20000	-0.50040	37.560	-4.2339	-19.135	43.441E-6	
23.00000	73.00000	40.20000	-0.33958	37.560	-2.9366	-15.842	47.484E-6	
24.00000	73.00000	40.20000	-0.21784	37.560	-2.0149	-13.137	47.887E-6	
25.00000	73.00000	40.20000	-0.12704	37.560	-1.3874	-10.947	45.817E-6	
26.00000	73.00000	40.20000	-0.059065	37.560	-0.96677	-9.1858	42.441E-6	
27.00000	73.00000	40.20000	-0.0076857	37.560	-0.68456	-7.7664	38.574E-6	
28.00000	73.00000	40.20000	0.031478	37.560	-0.49327	-6.6172	34.689E-6	
29.00000	73.00000	40.20000	0.061460	37.560	-0.36169	-5.6802	31.028E-6	
30.00000	73.00000	40.20000	0.084394	37.560	-0.26969	-4.9105	27.694E-6	
31.00000	73.00000	40.20000	0.10183	37.560	-0.20427	-4.2732	24.716E-6	
32.00000	73.00000	40.20000	0.11491	37.560	-0.15699	-3.7414	22.083E-6	
33.00000	73.00000	40.20000	0.12453	37.560	-0.12229	-3.2943	19.767E-6	
34.00000	73.00000	40.20000	0.13136	37.560	-0.096434	-2.9159	17.736E-6	
35.00000	73.00000	40.20000	0.13596	37.560	-0.076911	-2.5935	15.954E-6	
36.00000	73.00000	40.20000	0.13875	37.560	-0.061981	-2.3171	14.390E-6	
37.00000	73.00000	40.20000	0.14008	37.560	-0.050427	-2.0788	13.015E-6	
38.00000	73.00000	40.20000	0.14026	37.560	-0.041388	-1.8721	11.803E-6	
39.00000	73.00000	40.20000	0.13949	37.560	-0.034245	-1.6921	10.732E-6	
40.00000	73.00000	40.20000	0.13799	37.560	-0.028547	-1.5346	9.7834E-6	
41.00000	73.00000	40.20000	0.13589	37.560	-0.023963	-1.3960	8.9409E-6	!

42.00000	73.00000	40.20000	0.13335	37.560	-0.020243	-1.2737	8.1905E-6	!
43.00000	73.00000	40.20000	0.13045	37.560	-0.017203	-1.1654	7.5204E-6	!
44.00000	73.00000	40.20000	0.12730	37.560	-0.014701	-1.0690	6.9203E-6	!
45.00000	73.00000	40.20000	0.12395	37.560	-0.012628	-0.98298	6.3815E-6	!
46.00000	73.00000	40.20000	0.12048	37.560	-0.010899	-0.90598	5.8966E-6	!
47.00000	73.00000	40.20000	0.11693	37.560	-0.0094503	-0.83683	5.4591E-6	!
48.00000	73.00000	40.20000	0.11334	37.560	-0.0082288	-0.77456	5.0634E-6	!
49.00000	73.00000	40.20000	0.10973	37.560	-0.0071938	-0.71833	4.7047E-6	!
50.00000	73.00000	40.20000	0.10615	37.560	-0.0063127	-0.66743	4.3788E-6	!
-10.00000	74.00000	40.20000	0.055739	37.560	-0.18971	-5.9010	36.003E-6	
-9.00000	74.00000	40.20000	0.024555	37.560	-0.24678	-6.8655	41.359E-6	
-8.00000	74.00000	40.20000	-0.014787	37.560	-0.32679	-8.0552	47.771E-6	
-7.00000	74.00000	40.20000	-0.064235	37.560	-0.44171	-9.5413	55.478E-6	
-6.00000	74.00000	40.20000	-0.12630	37.560	-0.61137	-11.424	64.755E-6	
-5.00000	74.00000	40.20000	-0.20431	37.560	-0.86981	-13.849	75.890E-6	
-4.00000	74.00000	40.20000	-0.30296	37.560	-1.2778	-17.026	89.083E-6	
-3.00000	74.00000	40.20000	-0.42942	37.560	-1.9486	-21.277	104.19E-6	
-2.00000	74.00000	40.20000	-0.59637	37.560	-3.1017	-27.085	120.05E-6	
-1.00000	74.00000	40.20000	-0.82972	37.560	-5.1787	-35.197	132.75E-6	
0.00000	74.00000	40.20000	-1.1874	37.560	-9.0736	-46.719	131.66E-6	
1.00000	74.00000	40.20000	-1.7931	37.560	-16.467	-63.102	92.505E-6	
2.00000	74.00000	40.20000	-2.8380	37.560	-29.660	-85.510	-23.439E-6	
3.00000	74.00000	40.20000	-4.3700	37.560	-48.969	-112.92	-229.51E-6	
4.00000	74.00000	40.20000	-5.9612	37.560	-69.104	-140.62	-450.32E-6	
5.00000	74.00000	40.20000	-7.0942	37.560	-83.743	-163.29	-593.79E-6	
6.00000	74.00000	40.20000	-7.7224	37.560	-92.050	-178.95	-656.34E-6	
7.00000	74.00000	40.20000	-8.0310	37.560	-96.153	-188.22	-676.85E-6	
8.00000	74.00000	40.20000	-8.1557	37.560	-97.799	-192.19	-683.39E-6	
9.00000	74.00000	40.20000	-8.1520	37.560	-97.740	-191.41	-687.45E-6	
10.00000	74.00000	40.20000	-8.0178	37.560	-95.882	-185.68	-688.48E-6	
11.00000	74.00000	40.20000	-7.6866	37.560	-91.201	-174.03	-672.36E-6	
12.00000	74.00000	40.20000	-6.9840	37.560	-81.395	-154.89	-602.91E-6	
13.00000	74.00000	40.20000	-5.6444	37.560	-63.505	-127.60	-424.79E-6	
14.00000	74.00000	40.20000	-3.7446	37.560	-39.231	-96.042	-146.20E-6	
15.00000	74.00000	40.20000	-2.2445	37.560	-20.363	-69.611	57.544E-6	
16.00000	74.00000	40.20000	-1.6361	37.560	-12.855	-53.123	98.302E-6	
17.00000	74.00000	40.20000	-1.3832	37.560	-10.413	-43.138	80.350E-6	
18.00000	74.00000	40.20000	-1.1757	37.560	-8.9093	-36.055	62.977E-6	
19.00000	74.00000	40.20000	-0.96797	37.560	-7.4493	-30.357	54.078E-6	
20.00000	74.00000	40.20000	-0.76419	37.560	-5.9543	-25.508	51.624E-6	
21.00000	74.00000	40.20000	-0.57587	37.560	-4.5299	-21.329	52.261E-6	
22.00000	74.00000	40.20000	-0.41391	37.560	-3.3071	-17.769	52.987E-6	
23.00000	74.00000	40.20000	-0.28289	37.560	-2.3528	-14.793	52.224E-6	
24.00000	74.00000	40.20000	-0.18078	37.560	-1.6569	-12.347	49.805E-6	
25.00000	74.00000	40.20000	-0.10236	37.560	-1.1689	-10.356	46.250E-6	
26.00000	74.00000	40.20000	-0.042214	37.560	-0.83212	-8.7412	42.167E-6	
27.00000	74.00000	40.20000	0.0040861	37.560	-0.60020	-7.4292	38.006E-6	
28.00000	74.00000	40.20000	0.039843	37.560	-0.43936	-6.3586	34.035E-6	
29.00000	74.00000	40.20000	0.067463	37.560	-0.32652	-5.4797	30.386E-6	
30.00000	74.00000	40.20000	0.088715	37.560	-0.24626	-4.7531	27.106E-6	
31.00000	74.00000	40.20000	0.10492	37.560	-0.18836	-4.1483	24.195E-6	
32.00000	74.00000	40.20000	0.11710	37.560	-0.14598	-3.6413	21.630E-6	
33.00000	74.00000	40.20000	0.12604	37.560	-0.11453	-3.2133	19.377E-6	
34.00000	74.00000	40.20000	0.13237	37.560	-0.090876	-2.8497	17.401E-6	

35.00000	74.00000	40.20000	0.13657	37.560	-0.072869	-2.5390	15.668E-6	
36.00000	74.00000	40.20000	0.13907	37.560	-0.058998	-2.2718	14.145E-6	
37.00000	74.00000	40.20000	0.14019	37.560	-0.048196	-2.0409	12.804E-6	
38.00000	74.00000	40.20000	0.14019	37.560	-0.039699	-1.8402	11.622E-6	
39.00000	74.00000	40.20000	0.13931	37.560	-0.032952	-1.6651	10.576E-6	
40.00000	74.00000	40.20000	0.13771	37.560	-0.027546	-1.5115	9.6483E-6	
41.00000	74.00000	40.20000	0.13555	37.560	-0.023179	-1.3763	8.8237E-6	!
42.00000	74.00000	40.20000	0.13296	37.560	-0.019625	-1.2568	8.0885E-6	!
43.00000	74.00000	40.20000	0.13003	37.560	-0.016711	-1.1507	7.4313E-6	!
44.00000	74.00000	40.20000	0.12686	37.560	-0.014306	-1.0562	6.8423E-6	!
45.00000	74.00000	40.20000	0.12351	37.560	-0.012308	-0.97187	6.3130E-6	!
46.00000	74.00000	40.20000	0.12003	37.560	-0.010639	-0.89625	5.8362E-6	!
47.00000	74.00000	40.20000	0.11648	37.560	-0.0092369	-0.82829	5.4057E-6	!
48.00000	74.00000	40.20000	0.11290	37.560	-0.0080528	-0.76703	5.0161E-6	!
49.00000	74.00000	40.20000	0.10931	37.560	-0.0070478	-0.71167	4.6626E-6	!
50.00000	74.00000	40.20000	0.10574	37.560	-0.0061909	-0.66152	4.3413E-6	!
-10.00000	75.00000	40.20000	0.059959	37.560	-0.18200	-5.7433	35.094E-6	
-9.00000	75.00000	40.20000	0.030053	37.560	-0.23675	-6.6745	40.272E-6	
-8.00000	75.00000	40.20000	-0.0077141	37.560	-0.31363	-7.8228	46.468E-6	
-7.00000	75.00000	40.20000	-0.055224	37.560	-0.42425	-9.2570	53.912E-6	
-6.00000	75.00000	40.20000	-0.11491	37.560	-0.58794	-11.075	62.870E-6	
-5.00000	75.00000	40.20000	-0.19003	37.560	-0.83803	-13.417	73.619E-6	
-4.00000	75.00000	40.20000	-0.28516	37.560	-1.2343	-16.491	86.351E-6	
-3.00000	75.00000	40.20000	-0.40739	37.560	-1.8885	-20.612	100.92E-6	
-2.00000	75.00000	40.20000	-0.56928	37.560	-3.0183	-26.258	116.16E-6	
-1.00000	75.00000	40.20000	-0.79668	37.560	-5.0633	-34.172	128.17E-6	
0.00000	75.00000	40.20000	-1.1475	37.560	-8.9155	-45.458	126.34E-6	
1.00000	75.00000	40.20000	-1.7455	37.560	-16.256	-61.571	86.456E-6	
2.00000	75.00000	40.20000	-2.7824	37.560	-29.386	-83.686	-30.194E-6	
3.00000	75.00000	40.20000	-4.3062	37.560	-48.629	-110.80	-236.91E-6	
4.00000	75.00000	40.20000	-5.8901	37.560	-68.703	-138.24	-458.28E-6	
5.00000	75.00000	40.20000	-7.0171	37.560	-83.294	-160.70	-602.18E-6	
6.00000	75.00000	40.20000	-7.6412	37.560	-91.569	-176.22	-664.97E-6	
7.00000	75.00000	40.20000	-7.9477	37.560	-95.662	-185.47	-685.45E-6	
8.00000	75.00000	40.20000	-8.0728	37.560	-97.326	-189.55	-691.64E-6	
9.00000	75.00000	40.20000	-8.0729	37.560	-97.339	-189.06	-695.20E-6	
10.00000	75.00000	40.20000	-7.9494	37.560	-95.671	-183.90	-696.25E-6	
11.00000	75.00000	40.20000	-7.6452	37.560	-91.441	-173.22	-682.67E-6	
12.00000	75.00000	40.20000	-7.0051	37.560	-82.579	-155.60	-622.16E-6	
13.00000	75.00000	40.20000	-5.7671	37.560	-66.108	-130.11	-460.59E-6	
14.00000	75.00000	40.20000	-3.9349	37.560	-42.741	-99.686	-192.68E-6	
15.00000	75.00000	40.20000	-2.3720	37.560	-23.054	-72.748	24.209E-6	
16.00000	75.00000	40.20000	-1.6212	37.560	-13.622	-54.544	92.351E-6	
17.00000	75.00000	40.20000	-1.2604	37.560	-9.6091	-42.857	94.734E-6	
18.00000	75.00000	40.20000	-1.0101	37.560	-7.3635	-34.712	85.227E-6	
19.00000	75.00000	40.20000	-0.80442	37.560	-5.7806	-28.579	75.875E-6	
20.00000	75.00000	40.20000	-0.62603	37.560	-4.5042	-23.714	68.882E-6	
21.00000	75.00000	40.20000	-0.47084	37.560	-3.4289	-19.742	63.846E-6	
22.00000	75.00000	40.20000	-0.33942	37.560	-2.5453	-16.467	59.629E-6	
23.00000	75.00000	40.20000	-0.23184	37.560	-1.8554	-13.770	55.392E-6	
24.00000	75.00000	40.20000	-0.14598	37.560	-1.3414	-11.559	50.880E-6	
25.00000	75.00000	40.20000	-0.078362	37.560	-0.97021	-9.7541	46.209E-6	
26.00000	75.00000	40.20000	-0.025371	37.560	-0.70635	-8.2802	41.602E-6	
27.00000	75.00000	40.20000	0.016100	37.560	-0.51952	-7.0740	37.242E-6	

28.00000	75.00000	40.20000	0.048509	37.560	-0.38673	-6.0825	33.237E-6	
29.00000	75.00000	40.20000	0.073747	37.560	-0.29156	-5.2630	29.631E-6	
30.00000	75.00000	40.20000	0.093268	37.560	-0.22261	-4.5814	26.425E-6	
31.00000	75.00000	40.20000	0.10820	37.560	-0.17207	-4.0108	23.597E-6	
32.00000	75.00000	40.20000	0.11942	37.560	-0.13456	-3.5302	21.111E-6	
33.00000	75.00000	40.20000	0.12763	37.560	-0.10640	-3.1228	18.931E-6	
34.00000	75.00000	40.20000	0.13340	37.560	-0.084996	-2.7754	17.018E-6	
35.00000	75.00000	40.20000	0.13719	37.560	-0.068556	-2.4774	15.340E-6	
36.00000	75.00000	40.20000	0.13937	37.560	-0.055792	-2.2205	13.863E-6	
37.00000	75.00000	40.20000	0.14025	37.560	-0.045783	-1.9978	12.562E-6	
38.00000	75.00000	40.20000	0.14007	37.560	-0.037862	-1.8039	11.413E-6	
39.00000	75.00000	40.20000	0.13905	37.560	-0.031537	-1.6342	10.396E-6	
40.00000	75.00000	40.20000	0.13735	37.560	-0.026446	-1.4851	9.4924E-6	
41.00000	75.00000	40.20000	0.13512	37.560	-0.022316	-1.3537	8.6882E-6	!
42.00000	75.00000	40.20000	0.13248	37.560	-0.018941	-1.2372	7.9704E-6	!
43.00000	75.00000	40.20000	0.12952	37.560	-0.016165	-1.1338	7.3281E-6	!
44.00000	75.00000	40.20000	0.12633	37.560	-0.013866	-1.0415	6.7517E-6	!
45.00000	75.00000	40.20000	0.12297	37.560	-0.011952	-0.95901	6.2334E-6	!
46.00000	75.00000	40.20000	0.11949	37.560	-0.010348	-0.88498	5.7660E-6	!
47.00000	75.00000	40.20000	0.11595	37.560	-0.0089981	-0.81838	5.3436E-6	!
48.00000	75.00000	40.20000	0.11237	37.560	-0.0078554	-0.75828	4.9610E-6	!
49.00000	75.00000	40.20000	0.10880	37.560	-0.0068838	-0.70393	4.6137E-6	!
50.00000	75.00000	40.20000	0.10524	37.560	-0.0060539	-0.65464	4.2977E-6	!
-10.00000	76.00000	40.20000	0.064682	37.560	-0.17354	-5.5644	34.057E-6	
-9.00000	76.00000	40.20000	0.036242	37.560	-0.22564	-6.4572	39.030E-6	
-8.00000	76.00000	40.20000	295.83E-6	37.560	-0.29882	-7.5570	44.974E-6	
-7.00000	76.00000	40.20000	-0.044955	37.560	-0.40424	-8.9298	52.108E-6	
-6.00000	76.00000	40.20000	-0.10185	37.560	-0.56051	-10.669	60.687E-6	
-5.00000	76.00000	40.20000	-0.17350	37.560	-0.79985	-12.911	70.974E-6	
-4.00000	76.00000	40.20000	-0.26436	37.560	-1.1803	-15.855	83.151E-6	
-3.00000	76.00000	40.20000	-0.38131	37.560	-1.8110	-19.808	97.065E-6	
-2.00000	76.00000	40.20000	-0.53674	37.560	-2.9062	-25.240	111.55E-6	
-1.00000	76.00000	40.20000	-0.75626	37.560	-4.9002	-32.879	122.75E-6	
0.00000	76.00000	40.20000	-1.0976	37.560	-8.6797	-43.824	120.09E-6	
1.00000	76.00000	40.20000	-1.6844	37.560	-15.922	-59.531	79.441E-6	
2.00000	76.00000	40.20000	-2.7087	37.560	-28.932	-81.191	-37.855E-6	
3.00000	76.00000	40.20000	-4.2197	37.560	-48.045	-107.84	-245.12E-6	
4.00000	76.00000	40.20000	-5.7919	37.560	-68.000	-134.84	-466.98E-6	
5.00000	76.00000	40.20000	-6.9096	37.560	-82.498	-156.95	-611.37E-6	
6.00000	76.00000	40.20000	-7.5272	37.560	-90.714	-172.24	-674.55E-6	
7.00000	76.00000	40.20000	-7.8303	37.560	-94.780	-181.39	-695.16E-6	
8.00000	76.00000	40.20000	-7.9548	37.560	-96.449	-185.51	-701.12E-6	
9.00000	76.00000	40.20000	-7.9577	37.560	-96.512	-185.26	-704.12E-6	
10.00000	76.00000	40.20000	-7.8418	37.560	-94.974	-180.57	-704.61E-6	
11.00000	76.00000	40.20000	-7.5543	37.560	-91.026	-170.68	-691.41E-6	
12.00000	76.00000	40.20000	-6.9460	37.560	-82.679	-154.19	-633.68E-6	
13.00000	76.00000	40.20000	-5.7538	37.560	-66.907	-130.01	-477.47E-6	
14.00000	76.00000	40.20000	-3.9541	37.560	-44.012	-100.52	-212.82E-6	
15.00000	76.00000	40.20000	-2.3729	37.560	-24.056	-73.610	9.7305E-6	
16.00000	76.00000	40.20000	-1.5655	37.560	-13.773	-54.656	90.056E-6	
17.00000	76.00000	40.20000	-1.1563	37.560	-8.9652	-42.072	102.48E-6	
18.00000	76.00000	40.20000	-0.88609	37.560	-6.2995	-33.318	97.362E-6	
19.00000	76.00000	40.20000	-0.68388	37.560	-4.6360	-26.937	87.972E-6	
20.00000	76.00000	40.20000	-0.52240	37.560	-3.4882	-22.096	78.539E-6	

21.00000	76.00000	40.20000	-0.38909	37.560	-2.6309	-18.303	70.292E-6	
22.00000	76.00000	40.20000	-0.27857	37.560	-1.9697	-15.265	63.173E-6	
23.00000	76.00000	40.20000	-0.18794	37.560	-1.4625	-12.803	56.826E-6	
24.00000	76.00000	40.20000	-0.11461	37.560	-1.0813	-10.798	51.009E-6	
25.00000	76.00000	40.20000	-0.055868	37.560	-0.80009	-9.1597	45.641E-6	
26.00000	76.00000	40.20000	-0.0091009	37.560	-0.59499	-7.8163	40.725E-6	
27.00000	76.00000	40.20000	0.027964	37.560	-0.44600	-6.7106	36.277E-6	
28.00000	76.00000	40.20000	0.057202	37.560	-0.33757	-5.7960	32.298E-6	
29.00000	76.00000	40.20000	0.080118	37.560	-0.25819	-5.0354	28.770E-6	
30.00000	76.00000	40.20000	0.097911	37.560	-0.19962	-4.3991	25.660E-6	
31.00000	76.00000	40.20000	0.11154	37.560	-0.15597	-3.8637	22.929E-6	
32.00000	76.00000	40.20000	0.12177	37.560	-0.12313	-3.4105	20.534E-6	
33.00000	76.00000	40.20000	0.12924	37.560	-0.098153	-3.0246	18.435E-6	
34.00000	76.00000	40.20000	0.13443	37.560	-0.078972	-2.6942	16.592E-6	
35.00000	76.00000	40.20000	0.13778	37.560	-0.064095	-2.4099	14.974E-6	
36.00000	76.00000	40.20000	0.13962	37.560	-0.052448	-2.1639	13.549E-6	
37.00000	76.00000	40.20000	0.14024	37.560	-0.043248	-1.9502	12.292E-6	
38.00000	76.00000	40.20000	0.13987	37.560	-0.035919	-1.7635	11.180E-6	
39.00000	76.00000	40.20000	0.13871	37.560	-0.030033	-1.5998	10.194E-6	
40.00000	76.00000	40.20000	0.13690	37.560	-0.025270	-1.4557	9.3173E-6	
41.00000	76.00000	40.20000	0.13460	37.560	-0.021389	-1.3283	8.5358E-6	!
42.00000	76.00000	40.20000	0.13191	37.560	-0.018204	-1.2153	7.8374E-6	!
43.00000	76.00000	40.20000	0.12892	37.560	-0.015574	-1.1148	7.2117E-6	!
44.00000	76.00000	40.20000	0.12571	37.560	-0.013389	-1.0250	6.6496E-6	!
45.00000	76.00000	40.20000	0.12234	37.560	-0.011564	-0.94452	6.1434E-6	!
46.00000	76.00000	40.20000	0.11886	37.560	-0.010031	-0.87227	5.6866E-6	!
47.00000	76.00000	40.20000	0.11533	37.560	-0.0087372	-0.80718	5.2733E-6	!
48.00000	76.00000	40.20000	0.11177	37.560	-0.0076394	-0.74839	4.8986E-6	!
49.00000	76.00000	40.20000	0.10821	37.560	-0.0067040	-0.69517	4.5582E-6	!
50.00000	76.00000	40.20000	0.10467	37.560	-0.0059035	-0.64686	4.2482E-6	!
-10.00000	77.00000	40.20000	0.069846	37.560	-0.16437	-5.3662	32.905E-6	
-9.00000	77.00000	40.20000	0.043049	37.560	-0.21343	-6.2154	37.645E-6	
-8.00000	77.00000	40.20000	0.0091586	37.560	-0.28234	-7.2600	43.302E-6	
-7.00000	77.00000	40.20000	-0.033520	37.560	-0.38160	-8.5619	50.082E-6	
-6.00000	77.00000	40.20000	-0.087190	37.560	-0.52881	-10.209	58.225E-6	
-5.00000	77.00000	40.20000	-0.15481	37.560	-0.75454	-12.331	67.976E-6	
-4.00000	77.00000	40.20000	-0.24058	37.560	-1.1141	-15.117	79.505E-6	
-3.00000	77.00000	40.20000	-0.35113	37.560	-1.7124	-18.859	92.653E-6	
-2.00000	77.00000	40.20000	-0.49840	37.560	-2.7562	-24.009	106.28E-6	
-1.00000	77.00000	40.20000	-0.70746	37.560	-4.6691	-31.274	116.59E-6	
0.00000	77.00000	40.20000	-1.0353	37.560	-8.3233	-41.731	113.18E-6	
1.00000	77.00000	40.20000	-1.6048	37.560	-15.382	-56.824	72.093E-6	
2.00000	77.00000	40.20000	-2.6082	37.560	-28.151	-77.762	-45.175E-6	
3.00000	77.00000	40.20000	-4.0966	37.560	-46.991	-103.64	-252.09E-6	
4.00000	77.00000	40.20000	-5.6482	37.560	-66.697	-129.93	-473.74E-6	
5.00000	77.00000	40.20000	-6.7507	37.560	-81.017	-151.47	-618.36E-6	
6.00000	77.00000	40.20000	-7.3590	37.560	-89.130	-166.38	-682.07E-6	
7.00000	77.00000	40.20000	-7.6572	37.560	-93.149	-175.32	-703.09E-6	
8.00000	77.00000	40.20000	-7.7803	37.560	-94.809	-179.42	-709.01E-6	
9.00000	77.00000	40.20000	-7.7850	37.560	-94.903	-179.35	-711.45E-6	
10.00000	77.00000	40.20000	-7.6752	37.560	-93.461	-175.07	-711.08E-6	
11.00000	77.00000	40.20000	-7.4017	37.560	-89.735	-165.90	-697.52E-6	
12.00000	77.00000	40.20000	-6.8238	37.560	-81.855	-150.51	-641.85E-6	
13.00000	77.00000	40.20000	-5.6910	37.560	-66.919	-127.76	-492.87E-6	

14.00000	77.00000	40.20000	-3.9631	37.560	-44.958	-99.633	-237.95E-6	
15.00000	77.00000	40.20000	-2.3918	37.560	-25.110	-73.268	-13.915E-6	
16.00000	77.00000	40.20000	-1.5297	37.560	-14.075	-53.988	79.421E-6	
17.00000	77.00000	40.20000	-1.0768	37.560	-8.5855	-40.888	102.17E-6	
18.00000	77.00000	40.20000	-0.79229	37.560	-5.6019	-31.819	101.37E-6	
19.00000	77.00000	40.20000	-0.59360	37.560	-3.8757	-25.359	92.719E-6	
20.00000	77.00000	40.20000	-0.44395	37.560	-2.8016	-20.604	82.375E-6	
21.00000	77.00000	40.20000	-0.32533	37.560	-2.0753	-16.987	72.661E-6	
22.00000	77.00000	40.20000	-0.22906	37.560	-1.5528	-14.157	64.137E-6	
23.00000	77.00000	40.20000	-0.15054	37.560	-1.1653	-11.898	56.737E-6	
24.00000	77.00000	40.20000	-0.086727	37.560	-0.87580	-10.072	50.269E-6	
25.00000	77.00000	40.20000	-0.035148	37.560	-0.66013	-8.5819	44.575E-6	
26.00000	77.00000	40.20000	0.0063033	37.560	-0.50003	-7.3577	39.552E-6	
27.00000	77.00000	40.20000	0.039427	37.560	-0.38133	-6.3458	35.124E-6	
28.00000	77.00000	40.20000	0.065722	37.560	-0.29315	-5.5047	31.231E-6	
29.00000	77.00000	40.20000	0.086420	37.560	-0.22735	-4.8013	27.814E-6	
30.00000	77.00000	40.20000	0.10253	37.560	-0.17793	-4.2098	24.821E-6	
31.00000	77.00000	40.20000	0.11487	37.560	-0.14053	-3.7095	22.201E-6	
32.00000	77.00000	40.20000	0.12411	37.560	-0.11199	-3.2840	19.906E-6	
33.00000	77.00000	40.20000	0.13081	37.560	-0.090015	-2.9202	17.895E-6	
34.00000	77.00000	40.20000	0.13542	37.560	-0.072955	-2.6075	16.129E-6	
35.00000	77.00000	40.20000	0.13831	37.560	-0.059595	-2.3374	14.576E-6	
36.00000	77.00000	40.20000	0.13981	37.560	-0.049045	-2.1030	13.206E-6	
37.00000	77.00000	40.20000	0.14016	37.560	-0.040647	-1.8986	11.996E-6	
38.00000	77.00000	40.20000	0.13959	37.560	-0.033912	-1.7196	10.924E-6	
39.00000	77.00000	40.20000	0.13827	37.560	-0.028469	-1.5623	9.9725E-6	
40.00000	77.00000	40.20000	0.13636	37.560	-0.024042	-1.4235	9.1249E-6	
41.00000	77.00000	40.20000	0.13398	37.560	-0.020415	-1.3006	8.3682E-6	!
42.00000	77.00000	40.20000	0.13124	37.560	-0.017426	-1.1913	7.6909E-6	!
43.00000	77.00000	40.20000	0.12822	37.560	-0.014949	-1.0939	7.0832E-6	!
44.00000	77.00000	40.20000	0.12499	37.560	-0.012883	-1.0067	6.5367E-6	!
45.00000	77.00000	40.20000	0.12161	37.560	-0.011151	-0.92854	6.0439E-6	!
46.00000	77.00000	40.20000	0.11814	37.560	-0.0096924	-0.85822	5.5986E-6	!
47.00000	77.00000	40.20000	0.11462	37.560	-0.0084575	-0.79479	5.1954E-6	!
48.00000	77.00000	40.20000	0.11107	37.560	-0.0074073	-0.73744	4.8293E-6	!
49.00000	77.00000	40.20000	0.10753	37.560	-0.0065104	-0.68545	4.4964E-6	!
50.00000	77.00000	40.20000	0.10402	37.560	-0.0057412	-0.63821	4.1931E-6	!
-10.00000	78.00000	40.20000	0.075377	37.560	-0.15454	-5.1508	31.649E-6	
-9.00000	78.00000	40.20000	0.050380	37.560	-0.20023	-5.9519	36.133E-6	
-8.00000	78.00000	40.20000	0.018756	37.560	-0.26428	-6.9349	41.473E-6	
-7.00000	78.00000	40.20000	-0.021065	37.560	-0.35640	-8.1570	47.859E-6	
-6.00000	78.00000	40.20000	-0.071118	37.560	-0.49283	-9.6997	55.512E-6	
-5.00000	78.00000	40.20000	-0.13414	37.560	-0.70186	-11.681	64.659E-6	
-4.00000	78.00000	40.20000	-0.21403	37.560	-1.0348	-14.279	75.454E-6	
-3.00000	78.00000	40.20000	-0.31694	37.560	-1.5893	-17.763	87.744E-6	
-2.00000	78.00000	40.20000	-0.45411	37.560	-2.5596	-22.555	100.45E-6	
-1.00000	78.00000	40.20000	-0.64935	37.560	-4.3469	-29.322	109.93E-6	
0.00000	78.00000	40.20000	-0.95752	37.560	-7.7878	-39.089	106.18E-6	
1.00000	78.00000	40.20000	-1.4987	37.560	-14.500	-53.257	65.879E-6	
2.00000	78.00000	40.20000	-2.4629	37.560	-26.764	-73.041	-48.955E-6	
3.00000	78.00000	40.20000	-3.9055	37.560	-45.000	-97.644	-252.24E-6	
4.00000	78.00000	40.20000	-5.4162	37.560	-64.160	-122.74	-470.87E-6	
5.00000	78.00000	40.20000	-6.4923	37.560	-78.128	-143.36	-614.59E-6	
6.00000	78.00000	40.20000	-7.0879	37.560	-86.076	-157.67	-679.03E-6	



7.00000	78.00000	40.20000	-7.3808	37.560	-90.032	-166.28	-700.98E-6	
8.00000	78.00000	40.20000	-7.5021	37.560	-91.676	-170.29	-707.20E-6	
9.00000	78.00000	40.20000	-7.5079	37.560	-91.786	-170.34	-709.13E-6	
10.00000	78.00000	40.20000	-7.4029	37.560	-90.413	-166.44	-707.61E-6	
11.00000	78.00000	40.20000	-7.1422	37.560	-86.887	-158.00	-693.20E-6	
12.00000	78.00000	40.20000	-6.6020	37.560	-79.563	-143.84	-640.44E-6	
13.00000	78.00000	40.20000	-5.5680	37.560	-65.945	-123.00	-505.32E-6	
14.00000	78.00000	40.20000	-3.9925	37.560	-45.885	-97.030	-274.30E-6	
15.00000	78.00000	40.20000	-2.4652	37.560	-26.617	-71.857	-53.986E-6	
16.00000	78.00000	40.20000	-1.5207	37.560	-14.612	-52.566	58.944E-6	
17.00000	78.00000	40.20000	-1.0113	37.560	-8.3537	-39.229	95.665E-6	
18.00000	78.00000	40.20000	-0.71407	37.560	-5.1009	-30.108	99.969E-6	
19.00000	78.00000	40.20000	-0.52018	37.560	-3.3416	-23.745	92.642E-6	
20.00000	78.00000	40.20000	-0.38063	37.560	-2.3240	-19.163	82.319E-6	
21.00000	78.00000	40.20000	-0.27321	37.560	-1.6847	-15.747	72.201E-6	
22.00000	78.00000	40.20000	-0.18752	37.560	-1.2518	-13.119	63.222E-6	
23.00000	78.00000	40.20000	-0.11815	37.560	-0.94304	-11.045	55.479E-6	
24.00000	78.00000	40.20000	-0.061807	37.560	-0.71625	-9.3800	48.827E-6	
25.00000	78.00000	40.20000	-0.016126	37.560	-0.54740	-8.0240	43.091E-6	
26.00000	78.00000	40.20000	0.020753	37.560	-0.42089	-6.9088	38.124E-6	
27.00000	78.00000	40.20000	0.050354	37.560	-0.32576	-5.9843	33.809E-6	
28.00000	78.00000	40.20000	0.073934	37.560	-0.25395	-5.2125	30.052E-6	
29.00000	78.00000	40.20000	0.092537	37.560	-0.19948	-4.5641	26.777E-6	
30.00000	78.00000	40.20000	0.10702	37.560	-0.15793	-4.0162	23.919E-6	
31.00000	78.00000	40.20000	0.11810	37.560	-0.12603	-3.5506	21.422E-6	
32.00000	78.00000	40.20000	0.12636	37.560	-0.10137	-3.1528	19.235E-6	
33.00000	78.00000	40.20000	0.13230	37.560	-0.082150	-2.8112	17.318E-6	
34.00000	78.00000	40.20000	0.13632	37.560	-0.067070	-2.5164	15.633E-6	
35.00000	78.00000	40.20000	0.13876	37.560	-0.055146	-2.2609	14.149E-6	
36.00000	78.00000	40.20000	0.13990	37.560	-0.045649	-2.0383	12.839E-6	
37.00000	78.00000	40.20000	0.13999	37.560	-0.038030	-1.8437	11.679E-6	
38.00000	78.00000	40.20000	0.13921	37.560	-0.031877	-1.6728	10.650E-6	
39.00000	78.00000	40.20000	0.13775	37.560	-0.026874	-1.5222	9.7339E-6	
40.00000	78.00000	40.20000	0.13573	37.560	-0.022780	-1.3890	8.9172E-6	
41.00000	78.00000	40.20000	0.13327	37.560	-0.019411	-1.2707	8.1868E-6	!
42.00000	78.00000	40.20000	0.13047	37.560	-0.016620	-1.1654	7.5321E-6	!
43.00000	78.00000	40.20000	0.12742	37.560	-0.014298	-1.0713	6.9439E-6	!
44.00000	78.00000	40.20000	0.12418	37.560	-0.012353	-0.98696	6.4140E-6	!
45.00000	78.00000	40.20000	0.12080	37.560	-0.010718	-0.91121	5.9356E-6	!
46.00000	78.00000	40.20000	0.11734	37.560	-0.0093359	-0.84296	5.5028E-6	!
47.00000	78.00000	40.20000	0.11383	37.560	-0.0081625	-0.78132	5.1103E-6	!
48.00000	78.00000	40.20000	0.11030	37.560	-0.0071619	-0.72550	4.7537E-6	!
49.00000	78.00000	40.20000	0.10678	37.560	-0.0063053	-0.67484	4.4290E-6	!
50.00000	78.00000	40.20000	0.10330	37.560	-0.0055689	-0.62877	4.1328E-6	!
-10.00000	79.00000	40.20000	0.081179	37.560	-0.14417	-4.9208	30.306E-6	
-9.00000	79.00000	40.20000	0.058112	37.560	-0.18618	-5.6701	34.514E-6	
-8.00000	79.00000	40.20000	0.028932	37.560	-0.24486	-6.5861	39.511E-6	
-7.00000	79.00000	40.20000	-0.0077861	37.560	-0.32895	-7.7206	45.468E-6	
-6.00000	79.00000	40.20000	-0.053881	37.560	-0.45301	-9.1470	52.586E-6	
-5.00000	79.00000	40.20000	-0.11181	37.560	-0.64232	-10.972	61.071E-6	
-4.00000	79.00000	40.20000	-0.18507	37.560	-0.94274	-13.352	71.062E-6	
-3.00000	79.00000	40.20000	-0.27917	37.560	-1.4414	-16.531	82.425E-6	
-2.00000	79.00000	40.20000	-0.40415	37.560	-2.3120	-20.886	94.192E-6	
-1.00000	79.00000	40.20000	-0.58144	37.560	-3.9154	-27.014	103.09E-6	

0.00000	79.00000	40.20000	-0.86099	37.560	-7.0114	-35.843	99.990E-6	
1.00000	79.00000	40.20000	-1.3539	37.560	-13.093	-48.660	63.332E-6	
2.00000	79.00000	40.20000	-2.2404	37.560	-24.321	-66.626	-42.781E-6	
3.00000	79.00000	40.20000	-3.5811	37.560	-41.202	-89.109	-232.93E-6	
4.00000	79.00000	40.20000	-5.0003	37.560	-59.134	-112.22	-440.14E-6	
5.00000	79.00000	40.20000	-6.0274	37.560	-72.407	-131.37	-579.70E-6	
6.00000	79.00000	40.20000	-6.6083	37.560	-80.115	-144.78	-645.32E-6	
7.00000	79.00000	40.20000	-6.8978	37.560	-84.008	-152.91	-669.21E-6	
8.00000	79.00000	40.20000	-7.0178	37.560	-85.629	-156.74	-676.23E-6	
9.00000	79.00000	40.20000	-7.0238	37.560	-85.741	-156.86	-677.67E-6	
10.00000	79.00000	40.20000	-6.9207	37.560	-84.401	-153.32	-674.41E-6	
11.00000	79.00000	40.20000	-6.6664	37.560	-81.004	-145.61	-657.66E-6	
12.00000	79.00000	40.20000	-6.1584	37.560	-74.196	-132.82	-606.16E-6	
13.00000	79.00000	40.20000	-5.2351	37.560	-62.090	-114.25	-486.32E-6	
14.00000	79.00000	40.20000	-3.8547	37.560	-44.518	-91.166	-286.21E-6	
15.00000	79.00000	40.20000	-2.4357	37.560	-26.686	-68.134	-80.516E-6	
16.00000	79.00000	40.20000	-1.4658	37.560	-14.476	-49.728	42.539E-6	
17.00000	79.00000	40.20000	-0.93258	37.560	-7.9111	-36.808	88.281E-6	
18.00000	79.00000	40.20000	-0.63725	37.560	-4.6104	-28.041	95.948E-6	
19.00000	79.00000	40.20000	-0.45360	37.560	-2.9046	-22.003	89.736E-6	
20.00000	79.00000	40.20000	-0.32510	37.560	-1.9612	-17.708	79.839E-6	
21.00000	79.00000	40.20000	-0.22786	37.560	-1.3952	-14.539	69.910E-6	
22.00000	79.00000	40.20000	-0.15109	37.560	-1.0280	-12.123	61.036E-6	
23.00000	79.00000	40.20000	-0.089297	37.560	-0.77462	-10.231	53.392E-6	
24.00000	79.00000	40.20000	-0.039208	37.560	-0.59204	-8.7167	46.865E-6	
25.00000	79.00000	40.20000	0.0014193	37.560	-0.45700	-7.4852	41.285E-6	
26.00000	79.00000	40.20000	0.034270	37.560	-0.35556	-6.4713	36.494E-6	
27.00000	79.00000	40.20000	0.060686	37.560	-0.27862	-5.6285	32.361E-6	
28.00000	79.00000	40.20000	0.081758	37.560	-0.21985	-4.9223	28.783E-6	
29.00000	79.00000	40.20000	0.098387	37.560	-0.17470	-4.3265	25.675E-6	
30.00000	79.00000	40.20000	0.11132	37.560	-0.13980	-3.8207	22.967E-6	
31.00000	79.00000	40.20000	0.12118	37.560	-0.11265	-3.3889	20.601E-6	
32.00000	79.00000	40.20000	0.12849	37.560	-0.091409	-3.0184	18.530E-6	
33.00000	79.00000	40.20000	0.13368	37.560	-0.074675	-2.6989	16.711E-6	
34.00000	79.00000	40.20000	0.13711	37.560	-0.061408	-2.4221	15.111E-6	
35.00000	79.00000	40.20000	0.13910	37.560	-0.050819	-2.1813	13.699E-6	
36.00000	79.00000	40.20000	0.13989	37.560	-0.042314	-1.9708	12.450E-6	
37.00000	79.00000	40.20000	0.13971	37.560	-0.035439	-1.7862	11.343E-6	
38.00000	79.00000	40.20000	0.13873	37.560	-0.029847	-1.6236	10.358E-6	
39.00000	79.00000	40.20000	0.13712	37.560	-0.025271	-1.4798	9.4804E-6	
40.00000	79.00000	40.20000	0.13499	37.560	-0.021506	-1.3524	8.6960E-6	
41.00000	79.00000	40.20000	0.13246	37.560	-0.018390	-1.2390	7.9934E-6	!
42.00000	79.00000	40.20000	0.12961	37.560	-0.015797	-1.1378	7.3626E-6	!
43.00000	79.00000	40.20000	0.12653	37.560	-0.013630	-1.0472	6.7948E-6	!
44.00000	79.00000	40.20000	0.12327	37.560	-0.011808	-0.96585	6.2825E-6	!
45.00000	79.00000	40.20000	0.11990	37.560	-0.010270	-0.89265	5.8194E-6	!
46.00000	79.00000	40.20000	0.11644	37.560	-0.0089661	-0.82660	5.3998E-6	!
47.00000	79.00000	40.20000	0.11295	37.560	-0.0078556	-0.76685	5.0188E-6	!
48.00000	79.00000	40.20000	0.10945	37.560	-0.0069059	-0.71267	4.6722E-6	!
49.00000	79.00000	40.20000	0.10595	37.560	-0.0060907	-0.66343	4.3563E-6	!
50.00000	79.00000	40.20000	0.10250	37.560	-0.0053883	-0.61859	4.0677E-6	!
-10.00000	80.00000	40.20000	0.087144	37.560	-0.13340	-4.6793	28.894E-6	
-9.00000	80.00000	40.20000	0.066106	37.560	-0.17151	-5.3738	32.811E-6	
-8.00000	80.00000	40.20000	0.039500	37.560	-0.22444	-6.2189	37.445E-6	

-7.00000	80.00000	40.20000	0.0060670	37.560	-0.29982	-7.2600	42.948E-6	
-6.00000	80.00000	40.20000	-0.035810	37.560	-0.41024	-8.5612	49.497E-6	
-5.00000	80.00000	40.20000	-0.088271	37.560	-0.57740	-10.215	57.276E-6	
-4.00000	80.00000	40.20000	-0.15432	37.560	-0.84031	-12.356	66.411E-6	
-3.00000	80.00000	40.20000	-0.23861	37.560	-1.2723	-15.192	76.805E-6	
-2.00000	80.00000	40.20000	-0.34951	37.560	-2.0185	-19.039	87.670E-6	
-1.00000	80.00000	40.20000	-0.50467	37.560	-3.3774	-24.398	96.328E-6	
0.00000	80.00000	40.20000	-0.74493	37.560	-5.9739	-32.037	95.309E-6	
1.00000	80.00000	40.20000	-1.1613	37.560	-11.037	-43.020	66.899E-6	
2.00000	80.00000	40.20000	-1.9038	37.560	-20.372	-58.324	-18.846E-6	
3.00000	80.00000	40.20000	-3.0319	37.560	-34.516	-77.498	-175.90E-6	
4.00000	80.00000	40.20000	-4.2538	37.560	-49.886	-97.436	-352.61E-6	
5.00000	80.00000	40.20000	-5.1841	37.560	-61.798	-114.33	-479.88E-6	
6.00000	80.00000	40.20000	-5.7434	37.560	-69.104	-126.43	-546.17E-6	
7.00000	80.00000	40.20000	-6.0295	37.560	-72.890	-133.87	-572.62E-6	
8.00000	80.00000	40.20000	-6.1473	37.560	-74.463	-137.39	-580.65E-6	
9.00000	80.00000	40.20000	-6.1526	37.560	-74.560	-137.55	-581.60E-6	
10.00000	80.00000	40.20000	-6.0494	37.560	-73.235	-134.37	-576.18E-6	
11.00000	80.00000	40.20000	-5.7937	37.560	-69.895	-127.45	-555.31E-6	
12.00000	80.00000	40.20000	-5.3030	37.560	-63.476	-116.12	-501.76E-6	
13.00000	80.00000	40.20000	-4.4860	37.560	-52.907	-100.13	-395.63E-6	
14.00000	80.00000	40.20000	-3.3359	37.560	-38.335	-80.630	-232.11E-6	
15.00000	80.00000	40.20000	-2.1461	37.560	-23.442	-61.019	-62.856E-6	
16.00000	80.00000	40.20000	-1.2983	37.560	-12.834	-44.946	43.506E-6	
17.00000	80.00000	40.20000	-0.81919	37.560	-6.9692	-33.433	84.572E-6	
18.00000	80.00000	40.20000	-0.55308	37.560	-4.0064	-25.545	91.332E-6	
19.00000	80.00000	40.20000	-0.38821	37.560	-2.4853	-20.092	85.319E-6	
20.00000	80.00000	40.20000	-0.27317	37.560	-1.6543	-16.205	75.909E-6	
21.00000	80.00000	40.20000	-0.18630	37.560	-1.1645	-13.338	66.472E-6	
22.00000	80.00000	40.20000	-0.11788	37.560	-0.85346	-11.154	58.027E-6	
23.00000	80.00000	40.20000	-0.062908	37.560	-0.64307	-9.4450	50.748E-6	
24.00000	80.00000	40.20000	-0.018393	37.560	-0.49369	-8.0775	44.541E-6	
25.00000	80.00000	40.20000	0.017709	37.560	-0.38399	-6.9644	39.247E-6	
26.00000	80.00000	40.20000	0.046912	37.560	-0.30159	-6.0460	34.715E-6	
27.00000	80.00000	40.20000	0.070403	37.560	-0.23879	-5.2802	30.816E-6	
28.00000	80.00000	40.20000	0.089140	37.560	-0.19042	-4.6361	27.447E-6	
29.00000	80.00000	40.20000	0.10391	37.560	-0.15287	-4.0904	24.523E-6	
30.00000	80.00000	40.20000	0.11537	37.560	-0.12352	-3.6251	21.976E-6	
31.00000	80.00000	40.20000	0.12406	37.560	-0.10045	-3.2262	19.749E-6	
32.00000	80.00000	40.20000	0.13044	37.560	-0.082192	-2.8823	17.797E-6	
33.00000	80.00000	40.20000	0.13490	37.560	-0.067664	-2.5846	16.081E-6	
34.00000	80.00000	40.20000	0.13777	37.560	-0.056033	-2.3256	14.568E-6	
35.00000	80.00000	40.20000	0.13931	37.560	-0.046669	-2.0995	13.231E-6	
36.00000	80.00000	40.20000	0.13976	37.560	-0.039084	-1.9011	12.045E-6	
37.00000	80.00000	40.20000	0.13931	37.560	-0.032907	-1.7265	10.991E-6	
38.00000	80.00000	40.20000	0.13814	37.560	-0.027848	-1.5723	10.053E-6	
39.00000	80.00000	40.20000	0.13638	37.560	-0.023682	-1.4357	9.2142E-6	
40.00000	80.00000	40.20000	0.13414	37.560	-0.020234	-1.3141	8.4635E-6	
41.00000	80.00000	40.20000	0.13154	37.560	-0.017365	-1.2057	7.7897E-6	!
42.00000	80.00000	40.20000	0.12865	37.560	-0.014967	-1.1088	7.1836E-6	!
43.00000	80.00000	40.20000	0.12554	37.560	-0.012953	-1.0218	6.6371E-6	!
44.00000	80.00000	40.20000	0.12228	37.560	-0.011253	-0.94357	6.1433E-6	!
45.00000	80.00000	40.20000	0.11890	37.560	-0.0098128	-0.87303	5.6962E-6	!
46.00000	80.00000	40.20000	0.11546	37.560	-0.0085872	-0.80927	5.2904E-6	!

47.00000	80.00000	40.20000	0.11199	37.560	-0.0075400	-0.75149	4.9215E-6	!
48.00000	80.00000	40.20000	0.10851	37.560	-0.0066420	-0.69903	4.5855E-6	!
49.00000	80.00000	40.20000	0.10505	37.560	-0.0058689	-0.65128	4.2788E-6	!
50.00000	80.00000	40.20000	0.10163	37.560	-0.0052011	-0.60774	3.9983E-6	!
-10.00000	81.00000	40.20000	0.093156	37.560	-0.12242	-4.4298	27.431E-6	
-9.00000	81.00000	40.20000	0.074201	37.560	-0.15651	-5.0678	31.049E-6	
-8.00000	81.00000	40.20000	0.050247	37.560	-0.20348	-5.8394	35.307E-6	
-7.00000	81.00000	40.20000	0.020206	37.560	-0.26977	-6.7836	40.340E-6	
-6.00000	81.00000	40.20000	-0.017302	37.560	-0.36584	-7.9545	46.300E-6	
-5.00000	81.00000	40.20000	-0.064071	37.560	-0.50947	-9.4289	53.346E-6	
-4.00000	81.00000	40.20000	-0.12256	37.560	-0.73197	-11.318	61.595E-6	
-3.00000	81.00000	40.20000	-0.19645	37.560	-1.0910	-13.787	70.995E-6	
-2.00000	81.00000	40.20000	-0.29213	37.560	-1.6973	-17.086	80.986E-6	
-1.00000	81.00000	40.20000	-0.42240	37.560	-2.7718	-21.594	89.659E-6	
0.00000	81.00000	40.20000	-0.61565	37.560	-4.7591	-27.875	91.818E-6	
1.00000	81.00000	40.20000	-0.93240	37.560	-8.4956	-36.678	75.562E-6	
2.00000	81.00000	40.20000	-1.4687	37.560	-15.161	-48.649	21.383E-6	
3.00000	81.00000	40.20000	-2.2652	37.560	-25.137	-63.463	-80.681E-6	
4.00000	81.00000	40.20000	-3.1561	37.560	-36.337	-79.055	-202.28E-6	
5.00000	81.00000	40.20000	-3.9007	37.560	-45.778	-92.744	-301.08E-6	
6.00000	81.00000	40.20000	-4.3936	37.560	-52.086	-102.92	-360.13E-6	
7.00000	81.00000	40.20000	-4.6559	37.560	-55.480	-109.32	-385.68E-6	
8.00000	81.00000	40.20000	-4.7636	37.560	-56.891	-112.39	-393.56E-6	
9.00000	81.00000	40.20000	-4.7677	37.560	-56.965	-112.54	-394.07E-6	
10.00000	81.00000	40.20000	-4.6704	37.560	-55.738	-109.81	-387.63E-6	
11.00000	81.00000	40.20000	-4.4286	37.560	-52.660	-103.87	-365.37E-6	
12.00000	81.00000	40.20000	-3.9824	37.560	-46.983	-94.357	-314.60E-6	
13.00000	81.00000	40.20000	-3.3179	37.560	-38.527	-81.457	-230.41E-6	
14.00000	81.00000	40.20000	-2.4822	37.560	-27.969	-66.313	-118.80E-6	
15.00000	81.00000	40.20000	-1.6509	37.560	-17.560	-51.239	-9.7310E-6	
16.00000	81.00000	40.20000	-1.0420	37.560	-9.9877	-38.636	58.559E-6	
17.00000	81.00000	40.20000	-0.67695	37.560	-5.6044	-29.302	84.330E-6	
18.00000	81.00000	40.20000	-0.46176	37.560	-3.2892	-22.709	86.708E-6	
19.00000	81.00000	40.20000	-0.32263	37.560	-2.0608	-18.042	80.081E-6	
20.00000	81.00000	40.20000	-0.22314	37.560	-1.3760	-14.661	71.123E-6	
21.00000	81.00000	40.20000	-0.14709	37.560	-0.96894	-12.140	62.343E-6	
22.00000	81.00000	40.20000	-0.086861	37.560	-0.71057	-10.205	54.511E-6	
23.00000	81.00000	40.20000	-0.038352	37.560	-0.53672	-8.6825	47.755E-6	
24.00000	81.00000	40.20000	979.67E-6	37.560	-0.41399	-7.4597	41.984E-6	
25.00000	81.00000	40.20000	0.032898	37.560	-0.32417	-6.4607	37.058E-6	
26.00000	81.00000	40.20000	0.058725	37.560	-0.25670	-5.6333	32.838E-6	
27.00000	81.00000	40.20000	0.079496	37.560	-0.20507	-4.9406	29.206E-6	
28.00000	81.00000	40.20000	0.096046	37.560	-0.16505	-4.3555	26.066E-6	
29.00000	81.00000	40.20000	0.10906	37.560	-0.13373	-3.8575	23.338E-6	
30.00000	81.00000	40.20000	0.11912	37.560	-0.10903	-3.4310	20.959E-6	
31.00000	81.00000	40.20000	0.12669	37.560	-0.089410	-3.0637	18.876E-6	
32.00000	81.00000	40.20000	0.13219	37.560	-0.073740	-2.7458	17.046E-6	
33.00000	81.00000	40.20000	0.13595	37.560	-0.061153	-2.4693	15.435E-6	
34.00000	81.00000	40.20000	0.13826	37.560	-0.050986	-2.2278	14.010E-6	
35.00000	81.00000	40.20000	0.13937	37.560	-0.042730	-2.0162	12.748E-6	
36.00000	81.00000	40.20000	0.13949	37.560	-0.035990	-1.8299	11.627E-6	
37.00000	81.00000	40.20000	0.13879	37.560	-0.030461	-1.6654	10.628E-6	
38.00000	81.00000	40.20000	0.13742	37.560	-0.025902	-1.5196	9.7362E-6	
39.00000	81.00000	40.20000	0.13552	37.560	-0.022124	-1.3900	8.9378E-6	

40.00000	81.00000	40.20000	0.13319	37.560	-0.018979	-1.2745	8.2215E-6	
41.00000	81.00000	40.20000	0.13052	37.560	-0.016349	-1.1712	7.5773E-6	!
42.00000	81.00000	40.20000	0.12759	37.560	-0.014139	-1.0786	6.9966E-6	!
43.00000	81.00000	40.20000	0.12446	37.560	-0.012274	-0.99534	6.4722E-6	!
44.00000	81.00000	40.20000	0.12119	37.560	-0.010695	-0.92029	5.9974E-6	!
45.00000	81.00000	40.20000	0.11783	37.560	-0.0093506	-0.85249	5.5668E-6	!
46.00000	81.00000	40.20000	0.11440	37.560	-0.0082028	-0.79109	5.1755E-6	!
47.00000	81.00000	40.20000	0.11095	37.560	-0.0072189	-0.73536	4.8191E-6	!
48.00000	81.00000	40.20000	0.10750	37.560	-0.0063725	-0.68468	4.4940E-6	!
49.00000	81.00000	40.20000	0.10408	37.560	-0.0056419	-0.63848	4.1969E-6	!
50.00000	81.00000	40.20000	0.10069	37.560	-0.0050090	-0.59630	3.9249E-6	!
-10.00000	82.00000	40.20000	0.099090	37.560	-0.11144	-4.1758	25.939E-6	
-9.00000	82.00000	40.20000	0.082232	37.560	-0.14149	-4.7567	29.253E-6	
-8.00000	82.00000	40.20000	0.060948	37.560	-0.18250	-5.4543	33.132E-6	
-7.00000	82.00000	40.20000	0.034320	37.560	-0.23968	-6.3009	37.690E-6	
-6.00000	82.00000	40.20000	0.0012089	37.560	-0.32139	-7.3406	43.055E-6	
-5.00000	82.00000	40.20000	-0.039831	37.560	-0.44145	-8.6347	49.361E-6	
-4.00000	82.00000	40.20000	-0.090711	37.560	-0.62353	-10.270	56.715E-6	
-3.00000	82.00000	40.20000	-0.15416	37.560	-0.90956	-12.371	65.108E-6	
-2.00000	82.00000	40.20000	-0.23455	37.560	-1.3764	-15.118	74.201E-6	
-1.00000	82.00000	40.20000	-0.33998	37.560	-2.1682	-18.773	82.838E-6	
0.00000	82.00000	40.20000	-0.48665	37.560	-3.5523	-23.694	88.032E-6	
1.00000	82.00000	40.20000	-0.70557	37.560	-5.9824	-30.314	83.501E-6	
2.00000	82.00000	40.20000	-1.0402	37.560	-10.023	-38.940	59.905E-6	
3.00000	82.00000	40.20000	-1.5063	37.560	-15.823	-49.310	12.426E-6	
4.00000	82.00000	40.20000	-2.0368	37.560	-22.489	-60.260	-48.669E-6	
5.00000	82.00000	40.20000	-2.5199	37.560	-28.576	-70.194	-104.89E-6	
6.00000	82.00000	40.20000	-2.8702	37.560	-32.998	-77.886	-142.52E-6	
7.00000	82.00000	40.20000	-3.0693	37.560	-35.522	-82.882	-159.93E-6	
8.00000	82.00000	40.20000	-3.1542	37.560	-36.607	-85.325	-165.40E-6	
9.00000	82.00000	40.20000	-3.1572	37.560	-36.659	-85.452	-165.60E-6	
10.00000	82.00000	40.20000	-3.0793	37.560	-35.697	-83.287	-160.74E-6	
11.00000	82.00000	40.20000	-2.8921	37.560	-33.365	-78.644	-144.85E-6	
12.00000	82.00000	40.20000	-2.5665	37.560	-29.296	-71.419	-111.21E-6	
13.00000	82.00000	40.20000	-2.1233	37.560	-23.724	-62.001	-61.913E-6	
14.00000	82.00000	40.20000	-1.6206	37.560	-17.395	-51.359	-5.5814E-6	
15.00000	82.00000	40.20000	-1.1420	37.560	-11.426	-40.884	44.601E-6	
16.00000	82.00000	40.20000	-0.77429	37.560	-6.9453	-31.895	74.676E-6	
17.00000	82.00000	40.20000	-0.52989	37.560	-4.1501	-24.918	84.187E-6	
18.00000	82.00000	40.20000	-0.36987	37.560	-2.5527	-19.750	81.649E-6	
19.00000	82.00000	40.20000	-0.25832	37.560	-1.6490	-15.949	74.290E-6	
20.00000	82.00000	40.20000	-0.17501	37.560	-1.1216	-13.116	65.845E-6	
21.00000	82.00000	40.20000	-0.10987	37.560	-0.79845	-10.959	57.827E-6	
22.00000	82.00000	40.20000	-0.057663	37.560	-0.58984	-9.2801	50.713E-6	
23.00000	82.00000	40.20000	-0.015350	37.560	-0.44828	-7.9449	44.566E-6	
24.00000	82.00000	40.20000	0.019076	37.560	-0.34799	-6.8638	39.297E-6	
25.00000	82.00000	40.20000	0.047066	37.560	-0.27442	-5.9747	34.784E-6	
26.00000	82.00000	40.20000	0.069730	37.560	-0.21899	-5.2342	30.907E-6	
27.00000	82.00000	40.20000	0.087951	37.560	-0.17639	-4.6110	27.561E-6	
28.00000	82.00000	40.20000	0.10245	37.560	-0.14318	-4.0818	24.661E-6	
29.00000	82.00000	40.20000	0.11381	37.560	-0.11699	-3.6292	22.136E-6	
30.00000	82.00000	40.20000	0.12254	37.560	-0.096163	-3.2398	19.928E-6	
31.00000	82.00000	40.20000	0.12905	37.560	-0.079483	-2.9028	17.991E-6	
32.00000	82.00000	40.20000	0.13370	37.560	-0.066043	-2.6098	16.284E-6	

33.00000	82.00000	40.20000	0.13679	37.560	-0.055153	-2.3539	14.777E-6	
34.00000	82.00000	40.20000	0.13858	37.560	-0.046284	-2.1296	13.442E-6	
35.00000	82.00000	40.20000	0.13927	37.560	-0.039024	-1.9321	12.256E-6	
36.00000	82.00000	40.20000	0.13907	37.560	-0.033053	-1.7577	11.199E-6	
37.00000	82.00000	40.20000	0.13813	37.560	-0.028120	-1.6032	10.256E-6	
38.00000	82.00000	40.20000	0.13659	37.560	-0.024025	-1.4659	9.4112E-6	
39.00000	82.00000	40.20000	0.13455	37.560	-0.020612	-1.3434	8.6534E-6	
40.00000	82.00000	40.20000	0.13213	37.560	-0.017753	-1.2339	7.9719E-6	
41.00000	82.00000	40.20000	0.12940	37.560	-0.015350	-1.1357	7.3578E-6	!
42.00000	82.00000	40.20000	0.12643	37.560	-0.013321	-1.0475	6.8031E-6	!
43.00000	82.00000	40.20000	0.12328	37.560	-0.011601	-0.96799	6.3011E-6	!
44.00000	82.00000	40.20000	0.12001	37.560	-0.010138	-0.89617	5.8459E-6	!
45.00000	82.00000	40.20000	0.11666	37.560	-0.0088877	-0.83116	5.4322E-6	!
46.00000	82.00000	40.20000	0.11326	37.560	-0.0078165	-0.77218	5.0557E-6	!
47.00000	82.00000	40.20000	0.10984	37.560	-0.0068951	-0.71856	4.7122E-6	!
48.00000	82.00000	40.20000	0.10642	37.560	-0.0060999	-0.66970	4.3984E-6	!
49.00000	82.00000	40.20000	0.10303	37.560	-0.0054115	-0.62511	4.1113E-6	!
50.00000	82.00000	40.20000	0.099681	37.560	-0.0048135	-0.58433	3.8480E-6	!
-10.00000	83.00000	40.20000	0.10482	37.560	-0.10066	-3.9210	24.436E-6	
-9.00000	83.00000	40.20000	0.090034	37.560	-0.12680	-4.4455	27.449E-6	
-8.00000	83.00000	40.20000	0.071377	37.560	-0.16204	-5.0702	30.953E-6	
-7.00000	83.00000	40.20000	0.048100	37.560	-0.21047	-5.8212	35.043E-6	
-6.00000	83.00000	40.20000	0.019291	37.560	-0.27847	-6.7330	39.822E-6	
-5.00000	83.00000	40.20000	-0.016172	37.560	-0.37629	-7.8527	45.401E-6	
-4.00000	83.00000	40.20000	-0.059701	37.560	-0.52074	-9.2445	51.873E-6	
-3.00000	83.00000	40.20000	-0.11318	37.560	-0.74016	-10.996	59.258E-6	
-2.00000	83.00000	40.20000	-0.17934	37.560	-1.0832	-13.230	67.388E-6	
-1.00000	83.00000	40.20000	-0.26261	37.560	-1.6334	-16.105	75.661E-6	
0.00000	83.00000	40.20000	-0.37065	37.560	-2.5291	-19.824	82.629E-6	
1.00000	83.00000	40.20000	-0.51579	37.560	-3.9722	-24.590	85.574E-6	
2.00000	83.00000	40.20000	-0.71206	37.560	-6.1693	-30.494	80.934E-6	
3.00000	83.00000	40.20000	-0.96144	37.560	-9.1407	-37.326	66.873E-6	
4.00000	83.00000	40.20000	-1.2392	37.560	-12.541	-44.461	46.180E-6	
5.00000	83.00000	40.20000	-1.5009	37.560	-15.769	-51.037	25.191E-6	
6.00000	83.00000	40.20000	-1.7033	37.560	-18.262	-56.292	10.178E-6	
7.00000	83.00000	40.20000	-1.8284	37.560	-19.797	-59.832	2.9899E-6	
8.00000	83.00000	40.20000	-1.8859	37.560	-20.499	-61.616	0.0	
9.00000	83.00000	40.20000	-1.8881	37.560	-20.534	-61.717	0.0	
10.00000	83.00000	40.20000	-1.8355	37.560	-19.912	-60.148	2.7810E-6	
11.00000	83.00000	40.20000	-1.7174	37.560	-18.489	-56.858	9.3910E-6	
12.00000	83.00000	40.20000	-1.5267	37.560	-16.170	-51.898	22.884E-6	
13.00000	83.00000	40.20000	-1.2810	37.560	-13.160	-45.618	41.445E-6	
14.00000	83.00000	40.20000	-1.0142	37.560	-9.8995	-38.663	60.528E-6	
15.00000	83.00000	40.20000	-0.76212	37.560	-6.8817	-31.811	75.397E-6	
16.00000	83.00000	40.20000	-0.55465	37.560	-4.5171	-25.742	82.316E-6	
17.00000	83.00000	40.20000	-0.39907	37.560	-2.9085	-20.783	81.412E-6	
18.00000	83.00000	40.20000	-0.28449	37.560	-1.8989	-16.907	75.698E-6	
19.00000	83.00000	40.20000	-0.19767	37.560	-1.2800	-13.925	68.095E-6	
20.00000	83.00000	40.20000	-0.12955	37.560	-0.89599	-11.622	60.323E-6	
21.00000	83.00000	40.20000	-0.074819	37.560	-0.65016	-9.8211	53.144E-6	
22.00000	83.00000	40.20000	-0.030280	37.560	-0.48666	-8.3911	46.801E-6	
23.00000	83.00000	40.20000	0.0061409	37.560	-0.37357	-7.2373	41.301E-6	
24.00000	83.00000	40.20000	0.035931	37.560	-0.29248	-6.2923	36.562E-6	
25.00000	83.00000	40.20000	0.060223	37.560	-0.23251	-5.5081	32.482E-6	

26.00000	83.00000	40.20000	0.079918	37.560	-0.18703	-4.8500	28.960E-6	
27.00000	83.00000	40.20000	0.095746	37.560	-0.15186	-4.2925	25.908E-6	
28.00000	83.00000	40.20000	0.10831	37.560	-0.12426	-3.8163	23.251E-6	
29.00000	83.00000	40.20000	0.11812	37.560	-0.10234	-3.4068	20.930E-6	
30.00000	83.00000	40.20000	0.12560	37.560	-0.084769	-3.0525	18.894E-6	
31.00000	83.00000	40.20000	0.13111	37.560	-0.070588	-2.7445	17.102E-6	
32.00000	83.00000	40.20000	0.13496	37.560	-0.059067	-2.4754	15.518E-6	
33.00000	83.00000	40.20000	0.13742	37.560	-0.049657	-2.2394	14.115E-6	
34.00000	83.00000	40.20000	0.13870	37.560	-0.041933	-2.0316	12.869E-6	
35.00000	83.00000	40.20000	0.13901	37.560	-0.035563	-1.8480	11.758E-6	
36.00000	83.00000	40.20000	0.13851	37.560	-0.030287	-1.6853	10.766E-6	
37.00000	83.00000	40.20000	0.13734	37.560	-0.025897	-1.5405	9.8775E-6	
38.00000	83.00000	40.20000	0.13562	37.560	-0.022230	-1.4115	9.0802E-6	
39.00000	83.00000	40.20000	0.13346	37.560	-0.019155	-1.2960	8.3631E-6	
40.00000	83.00000	40.20000	0.13095	37.560	-0.016565	-1.1925	7.7167E-6	
41.00000	83.00000	40.20000	0.12817	37.560	-0.014376	-1.0995	7.1329E-6	!
42.00000	83.00000	40.20000	0.12517	37.560	-0.012519	-1.0157	6.6044E-6	!
43.00000	83.00000	40.20000	0.12202	37.560	-0.010938	-0.93993	6.1251E-6	!
44.00000	83.00000	40.20000	0.11875	37.560	-0.0095867	-0.87139	5.6896E-6	!
45.00000	83.00000	40.20000	0.11541	37.560	-0.0084281	-0.80920	5.2932E-6	!
46.00000	83.00000	40.20000	0.11204	37.560	-0.0074314	-0.75268	4.9317E-6	!
47.00000	83.00000	40.20000	0.10865	37.560	-0.0065711	-0.70119	4.6015E-6	!
48.00000	83.00000	40.20000	0.10527	37.560	-0.0058263	-0.65420	4.2993E-6	!
49.00000	83.00000	40.20000	0.10192	37.560	-0.0051796	-0.61124	4.0223E-6	!
50.00000	83.00000	40.20000	0.098611	37.560	-0.0046162	-0.57189	3.7680E-6	!
-10.00000	84.00000	40.20000	0.11024	37.560	-0.090276	-3.6686	22.943E-6	
-9.00000	84.00000	40.20000	0.097452	37.560	-0.11272	-4.1386	25.662E-6	
-8.00000	84.00000	40.20000	0.081324	37.560	-0.14256	-4.6933	28.803E-6	
-7.00000	84.00000	40.20000	0.061259	37.560	-0.18289	-5.3530	32.440E-6	
-6.00000	84.00000	40.20000	0.036546	37.560	-0.23842	-6.1441	36.657E-6	
-5.00000	84.00000	40.20000	0.0063502	37.560	-0.31636	-7.1011	41.540E-6	
-4.00000	84.00000	40.20000	-0.030328	37.560	-0.42803	-8.2692	47.165E-6	
-3.00000	84.00000	40.20000	-0.074708	37.560	-0.59138	-9.7071	53.566E-6	
-2.00000	84.00000	40.20000	-0.12836	37.560	-0.83485	-11.490	60.674E-6	
-1.00000	84.00000	40.20000	-0.19341	37.560	-1.2026	-13.710	68.210E-6	
0.00000	84.00000	40.20000	-0.27288	37.560	-1.7585	-16.464	75.544E-6	
1.00000	84.00000	40.20000	-0.37057	37.560	-2.5813	-19.829	81.601E-6	
2.00000	84.00000	40.20000	-0.48937	37.560	-3.7327	-23.802	85.106E-6	
3.00000	84.00000	40.20000	-0.62716	37.560	-5.1958	-28.225	85.334E-6	
4.00000	84.00000	40.20000	-0.77334	37.560	-6.8278	-32.755	82.862E-6	
5.00000	84.00000	40.20000	-0.91037	37.560	-8.3901	-36.937	79.450E-6	
6.00000	84.00000	40.20000	-1.0204	37.560	-9.6460	-40.344	77.015E-6	
7.00000	84.00000	40.20000	-1.0935	37.560	-10.473	-42.707	76.228E-6	
8.00000	84.00000	40.20000	-1.1295	37.560	-10.876	-43.931	76.315E-6	
9.00000	84.00000	40.20000	-1.1311	37.560	-10.900	-44.008	76.356E-6	
10.00000	84.00000	40.20000	-1.0986	37.560	-10.547	-42.943	76.306E-6	
11.00000	84.00000	40.20000	-1.0298	37.560	-9.7846	-40.752	76.962E-6	
12.00000	84.00000	40.20000	-0.92545	37.560	-8.6111	-37.528	78.963E-6	
13.00000	84.00000	40.20000	-0.79472	37.560	-7.1373	-33.514	81.719E-6	
14.00000	84.00000	40.20000	-0.65280	37.560	-5.5601	-29.090	83.793E-6	
15.00000	84.00000	40.20000	-0.51501	37.560	-4.0881	-24.679	83.830E-6	
16.00000	84.00000	40.20000	-0.39306	37.560	-2.8797	-20.643	81.056E-6	
17.00000	84.00000	40.20000	-0.29167	37.560	-1.9897	-17.186	75.737E-6	
18.00000	84.00000	40.20000	-0.20937	37.560	-1.3792	-14.345	68.923E-6	

19.00000	84.00000	40.20000	-0.14246	37.560	-0.97353	-12.058	61.696E-6	
20.00000	84.00000	40.20000	-0.087600	37.560	-0.70469	-10.225	54.765E-6	
21.00000	84.00000	40.20000	-0.042329	37.560	-0.52374	-8.7491	48.467E-6	
22.00000	84.00000	40.20000	-0.0048900	37.560	-0.39887	-7.5505	42.903E-6	
23.00000	84.00000	40.20000	0.026038	37.560	-0.31020	-6.5662	38.053E-6	
24.00000	84.00000	40.20000	0.051498	37.560	-0.24545	-5.7489	33.846E-6	
25.00000	84.00000	40.20000	0.072337	37.560	-0.19693	-5.0631	30.199E-6	
26.00000	84.00000	40.20000	0.089260	37.560	-0.15976	-4.4824	27.030E-6	
27.00000	84.00000	40.20000	0.10285	37.560	-0.13078	-3.9866	24.269E-6	
28.00000	84.00000	40.20000	0.11362	37.560	-0.10785	-3.5602	21.854E-6	
29.00000	84.00000	40.20000	0.12197	37.560	-0.089505	-3.1912	19.735E-6	
30.00000	84.00000	40.20000	0.12828	37.560	-0.074689	-2.8703	17.868E-6	
31.00000	84.00000	40.20000	0.13285	37.560	-0.062634	-2.5897	16.218E-6	
32.00000	84.00000	40.20000	0.13595	37.560	-0.052767	-2.3435	14.755E-6	
33.00000	84.00000	40.20000	0.13781	37.560	-0.044645	-2.1265	13.454E-6	
34.00000	84.00000	40.20000	0.13862	37.560	-0.037929	-1.9346	12.295E-6	
35.00000	84.00000	40.20000	0.13857	37.560	-0.032350	-1.7644	11.258E-6	
36.00000	84.00000	40.20000	0.13778	37.560	-0.027696	-1.6129	10.330E-6	
37.00000	84.00000	40.20000	0.13640	37.560	-0.023800	-1.4777	9.4960E-6	
38.00000	84.00000	40.20000	0.13452	37.560	-0.020525	-1.3568	8.7457E-6	
39.00000	84.00000	40.20000	0.13225	37.560	-0.017761	-1.2483	8.0691E-6	
40.00000	84.00000	40.20000	0.12967	37.560	-0.015422	-1.1507	7.4576E-6	
41.00000	84.00000	40.20000	0.12684	37.560	-0.013434	-1.0628	6.9040E-6	!
42.00000	84.00000	40.20000	0.12382	37.560	-0.011739	-0.98331	6.4018E-6	!
43.00000	84.00000	40.20000	0.12066	37.560	-0.010290	-0.91136	5.9453E-6	!
44.00000	84.00000	40.20000	0.11740	37.560	-0.0090458	-0.84608	5.5298E-6	!
45.00000	84.00000	40.20000	0.11409	37.560	-0.0079750	-0.78674	5.1507E-6	!
46.00000	84.00000	40.20000	0.11074	37.560	-0.0070503	-0.73268	4.8045E-6	!
47.00000	84.00000	40.20000	0.10739	37.560	-0.0062494	-0.68335	4.4876E-6	!
48.00000	84.00000	40.20000	0.10405	37.560	-0.0055537	-0.63825	4.1972E-6	!
49.00000	84.00000	40.20000	0.10074	37.560	-0.0049477	-0.59695	3.9305E-6	!
50.00000	84.00000	40.20000	0.097480	37.560	-0.0044185	-0.55906	3.6854E-6	!
-10.00000	85.00000	40.20000	0.11525	37.560	-0.080442	-3.4218	21.475E-6	
-9.00000	85.00000	40.20000	0.10435	37.560	-0.099490	-3.8400	23.913E-6	
-8.00000	85.00000	40.20000	0.090609	37.560	-0.12443	-4.3288	26.709E-6	
-7.00000	85.00000	40.20000	0.073553	37.560	-0.15755	-4.9037	29.919E-6	
-6.00000	85.00000	40.20000	0.052647	37.560	-0.20216	-5.5838	33.609E-6	
-5.00000	85.00000	40.20000	0.027287	37.560	-0.26316	-6.3938	37.842E-6	
-4.00000	85.00000	40.20000	-0.0032006	37.560	-0.34783	-7.3638	42.676E-6	
-3.00000	85.00000	40.20000	-0.039564	37.560	-0.46692	-8.5310	48.145E-6	
-2.00000	85.00000	40.20000	-0.082627	37.560	-0.63611	-9.9392	54.226E-6	
-1.00000	85.00000	40.20000	-0.13329	37.560	-0.87720	-11.635	60.795E-6	
0.00000	85.00000	40.20000	-0.19246	37.560	-1.2177	-13.661	67.576E-6	
1.00000	85.00000	40.20000	-0.26080	37.560	-1.6854	-16.034	74.127E-6	
2.00000	85.00000	40.20000	-0.33797	37.560	-2.2947	-18.723	79.936E-6	
3.00000	85.00000	40.20000	-0.42147	37.560	-3.0271	-21.614	84.626E-6	
4.00000	85.00000	40.20000	-0.50590	37.560	-3.8189	-24.513	88.163E-6	
5.00000	85.00000	40.20000	-0.58363	37.560	-4.5737	-27.175	90.843E-6	
6.00000	85.00000	40.20000	-0.64705	37.560	-5.1953	-29.363	93.026E-6	
7.00000	85.00000	40.20000	-0.69103	37.560	-5.6239	-30.909	94.782E-6	
8.00000	85.00000	40.20000	-0.71371	37.560	-5.8436	-31.725	95.843E-6	
9.00000	85.00000	40.20000	-0.71493	37.560	-5.8589	-31.782	95.918E-6	
10.00000	85.00000	40.20000	-0.69479	37.560	-5.6714	-31.081	94.986E-6	
11.00000	85.00000	40.20000	-0.65355	37.560	-5.2790	-29.654	93.294E-6	



12.00000	85.00000	40.20000	-0.59312	37.560	-4.6977	-27.582	91.081E-6	
13.00000	85.00000	40.20000	-0.51826	37.560	-3.9811	-25.022	88.312E-6	
14.00000	85.00000	40.20000	-0.43582	37.560	-3.2129	-22.190	84.751E-6	
15.00000	85.00000	40.20000	-0.35285	37.560	-2.4812	-19.320	80.195E-6	
16.00000	85.00000	40.20000	-0.27499	37.560	-1.8532	-16.614	74.644E-6	
17.00000	85.00000	40.20000	-0.20545	37.560	-1.3592	-14.202	68.361E-6	
18.00000	85.00000	40.20000	-0.14513	37.560	-0.99382	-12.132	61.787E-6	
19.00000	85.00000	40.20000	-0.093534	37.560	-0.73293	-10.397	55.353E-6	
20.00000	85.00000	40.20000	-0.049736	37.560	-0.54891	-8.9558	49.353E-6	
21.00000	85.00000	40.20000	-0.012756	37.560	-0.41862	-7.7618	43.930E-6	
22.00000	85.00000	40.20000	0.018299	37.560	-0.32508	-6.7689	39.120E-6	
23.00000	85.00000	40.20000	0.044220	37.560	-0.25666	-5.9379	34.895E-6	
24.00000	85.00000	40.20000	0.065703	37.560	-0.20556	-5.2373	31.200E-6	
25.00000	85.00000	40.20000	0.083359	37.560	-0.16662	-4.6422	27.970E-6	
26.00000	85.00000	40.20000	0.097718	37.560	-0.13641	-4.1331	25.144E-6	
27.00000	85.00000	40.20000	0.10924	37.560	-0.11261	-3.6945	22.665E-6	
28.00000	85.00000	40.20000	0.11833	37.560	-0.093599	-3.3146	20.485E-6	
29.00000	85.00000	40.20000	0.12534	37.560	-0.078260	-2.9836	18.561E-6	
30.00000	85.00000	40.20000	0.13056	37.560	-0.065774	-2.6939	16.857E-6	
31.00000	85.00000	40.20000	0.13426	37.560	-0.055536	-2.4393	15.346E-6	
32.00000	85.00000	40.20000	0.13666	37.560	-0.047092	-2.2146	14.000E-6	
33.00000	85.00000	40.20000	0.13796	37.560	-0.040090	-2.0157	12.799E-6	
34.00000	85.00000	40.20000	0.13834	37.560	-0.034258	-1.8391	11.724E-6	
35.00000	85.00000	40.20000	0.13794	37.560	-0.029380	-1.6817	10.760E-6	
36.00000	85.00000	40.20000	0.13689	37.560	-0.025284	-1.5412	9.8942E-6	
37.00000	85.00000	40.20000	0.13532	37.560	-0.021832	-1.4153	9.1140E-6	
38.00000	85.00000	40.20000	0.13330	37.560	-0.018914	-1.3022	8.4099E-6	
39.00000	85.00000	40.20000	0.13093	37.560	-0.016437	-1.2005	7.7731E-6	
40.00000	85.00000	40.20000	0.12828	37.560	-0.014329	-1.1087	7.1962E-6	
41.00000	85.00000	40.20000	0.12541	37.560	-0.012528	-1.0258	6.6726E-6	!
42.00000	85.00000	40.20000	0.12237	37.560	-0.010986	-0.95065	6.1965E-6	!
43.00000	85.00000	40.20000	0.11921	37.560	-0.0096604	-0.88245	5.7628E-6	!
44.00000	85.00000	40.20000	0.11597	37.560	-0.0085182	-0.82042	5.3671E-6	!
45.00000	85.00000	40.20000	0.11268	37.560	-0.0075311	-0.76391	5.0056E-6	!
46.00000	85.00000	40.20000	0.10937	37.560	-0.0066755	-0.71232	4.6746E-6	!
47.00000	85.00000	40.20000	0.10606	37.560	-0.0059318	-0.66516	4.3712E-6	!
48.00000	85.00000	40.20000	0.10276	37.560	-0.0052838	-0.62195	4.0926E-6	!
49.00000	85.00000	40.20000	0.099504	37.560	-0.0047175	-0.58232	3.8364E-6	!
50.00000	85.00000	40.20000	0.096292	37.560	-0.0042214	-0.54590	3.6006E-6	!
-10.00000	86.00000	40.20000	0.11975	37.560	-0.071280	-3.1830	20.048E-6	
-9.00000	86.00000	40.20000	0.11062	37.560	-0.087285	-3.5530	22.223E-6	
-8.00000	86.00000	40.20000	0.099086	37.560	-0.10791	-3.9811	24.695E-6	
-7.00000	86.00000	40.20000	0.084793	37.560	-0.13478	-4.4785	27.510E-6	
-6.00000	86.00000	40.20000	0.067346	37.560	-0.17017	-5.0592	30.714E-6	
-5.00000	86.00000	40.20000	0.046324	37.560	-0.21730	-5.7397	34.354E-6	
-4.00000	86.00000	40.20000	0.021291	37.560	-0.28065	-6.5395	38.471E-6	
-3.00000	86.00000	40.20000	-0.0081848	37.560	-0.36643	-7.4808	43.089E-6	
-2.00000	86.00000	40.20000	-0.042492	37.560	-0.48289	-8.5871	48.201E-6	
-1.00000	86.00000	40.20000	-0.081916	37.560	-0.64031	-9.8803	53.744E-6	
0.00000	86.00000	40.20000	-0.12654	37.560	-0.84989	-11.374	59.581E-6	
1.00000	86.00000	40.20000	-0.17604	37.560	-1.1205	-13.062	65.501E-6	
2.00000	86.00000	40.20000	-0.22940	37.560	-1.4533	-14.910	71.238E-6	
3.00000	86.00000	40.20000	-0.28462	37.560	-1.8352	-16.842	76.544E-6	
4.00000	86.00000	40.20000	-0.33858	37.560	-2.2364	-18.740	81.238E-6	

5.00000	86.00000	40.20000	-0.38744	37.560	-2.6156	-20.468	85.223E-6	
6.00000	86.00000	40.20000	-0.42741	37.560	-2.9319	-21.892	88.428E-6	
7.00000	86.00000	40.20000	-0.45565	37.560	-3.1562	-22.907	90.739E-6	
8.00000	86.00000	40.20000	-0.47054	37.560	-3.2749	-23.449	91.997E-6	
9.00000	86.00000	40.20000	-0.47145	37.560	-3.2848	-23.491	92.081E-6	
10.00000	86.00000	40.20000	-0.45839	37.560	-3.1861	-23.032	90.980E-6	
11.00000	86.00000	40.20000	-0.43200	37.560	-2.9828	-22.100	88.802E-6	
12.00000	86.00000	40.20000	-0.39383	37.560	-2.6876	-20.754	85.694E-6	
13.00000	86.00000	40.20000	-0.34659	37.560	-2.3269	-19.092	81.781E-6	
14.00000	86.00000	40.20000	-0.29379	37.560	-1.9375	-17.240	77.163E-6	
15.00000	86.00000	40.20000	-0.23913	37.560	-1.5582	-15.332	71.959E-6	
16.00000	86.00000	40.20000	-0.18577	37.560	-1.2198	-13.484	66.342E-6	
17.00000	86.00000	40.20000	-0.13594	37.560	-0.93892	-11.782	60.537E-6	
18.00000	86.00000	40.20000	-0.090865	37.560	-0.71820	-10.269	54.789E-6	
19.00000	86.00000	40.20000	-0.050975	37.560	-0.55070	-8.9544	49.307E-6	
20.00000	86.00000	40.20000	-0.016225	37.560	-0.42584	-7.8283	44.232E-6	
21.00000	86.00000	40.20000	0.013675	37.560	-0.33314	-6.8691	39.634E-6	
22.00000	86.00000	40.20000	0.039129	37.560	-0.26396	-6.0529	35.524E-6	
23.00000	86.00000	40.20000	0.060581	37.560	-0.21177	-5.3567	31.880E-6	
24.00000	86.00000	40.20000	0.078476	37.560	-0.17184	-4.7605	28.663E-6	
25.00000	86.00000	40.20000	0.093239	37.560	-0.14083	-4.2474	25.827E-6	
26.00000	86.00000	40.20000	0.10526	37.560	-0.11641	-3.8035	23.324E-6	
27.00000	86.00000	40.20000	0.11489	37.560	-0.096922	-3.4175	21.113E-6	
28.00000	86.00000	40.20000	0.12244	37.560	-0.081204	-3.0804	19.155E-6	
29.00000	86.00000	40.20000	0.12821	37.560	-0.068403	-2.7847	17.417E-6	
30.00000	86.00000	40.20000	0.13242	37.560	-0.057894	-2.5241	15.871E-6	
31.00000	86.00000	40.20000	0.13531	37.560	-0.049209	-2.2938	14.492E-6	
32.00000	86.00000	40.20000	0.13707	37.560	-0.041991	-2.0895	13.259E-6	
33.00000	86.00000	40.20000	0.13786	37.560	-0.035962	-1.9078	12.153E-6	
34.00000	86.00000	40.20000	0.13784	37.560	-0.030905	-1.7456	11.161E-6	
35.00000	86.00000	40.20000	0.13713	37.560	-0.026646	-1.6005	10.267E-6	
36.00000	86.00000	40.20000	0.13585	37.560	-0.023047	-1.4704	9.4618E-6	
37.00000	86.00000	40.20000	0.13409	37.560	-0.019996	-1.3534	8.7338E-6	
38.00000	86.00000	40.20000	0.13194	37.560	-0.017400	-1.2481	8.0748E-6	
39.00000	86.00000	40.20000	0.12949	37.560	-0.015185	-1.1529	7.4771E-6	
40.00000	86.00000	40.20000	0.12678	37.560	-0.013289	-1.0668	6.9342E-6	
41.00000	86.00000	40.20000	0.12388	37.560	-0.011662	-0.98875	6.4401E-6	!
42.00000	86.00000	40.20000	0.12084	37.560	-0.010261	-0.91786	5.9898E-6	!
43.00000	86.00000	40.20000	0.11769	37.560	-0.0090527	-0.85335	5.5786E-6	!
44.00000	86.00000	40.20000	0.11447	37.560	-0.0080066	-0.79453	5.2027E-6	!
45.00000	86.00000	40.20000	0.11121	37.560	-0.0070989	-0.74083	4.8585E-6	!
46.00000	86.00000	40.20000	0.10793	37.560	-0.0063091	-0.69170	4.5427E-6	!
47.00000	86.00000	40.20000	0.10466	37.560	-0.0056203	-0.64669	4.2528E-6	!
48.00000	86.00000	40.20000	0.10142	37.560	-0.0050180	-0.60538	3.9861E-6	!
49.00000	86.00000	40.20000	0.098209	37.560	-0.0044901	-0.56742	3.7404E-6	!
50.00000	86.00000	40.20000	0.095049	37.560	-0.0040263	-0.53248	3.5139E-6	!
-10.00000	87.00000	40.20000	0.12369	37.560	-0.062866	-2.9543	18.675E-6	
-9.00000	87.00000	40.20000	0.11618	37.560	-0.076202	-3.2800	20.604E-6	
-8.00000	87.00000	40.20000	0.10665	37.560	-0.093106	-3.6530	22.780E-6	
-7.00000	87.00000	40.20000	0.094848	37.560	-0.11471	-4.0813	25.234E-6	
-6.00000	87.00000	40.20000	0.080485	37.560	-0.14254	-4.5745	28.001E-6	
-5.00000	87.00000	40.20000	0.063277	37.560	-0.17863	-5.1434	31.111E-6	
-4.00000	87.00000	40.20000	0.042955	37.560	-0.22568	-5.8000	34.592E-6	
-3.00000	87.00000	40.20000	0.019290	37.560	-0.28715	-6.5569	38.457E-6	

-2.00000	87.00000	40.20000	-0.0078641	37.560	-0.36725	-7.4256	42.700E-6	
-1.00000	87.00000	40.20000	-0.038513	37.560	-0.47065	-8.4141	47.281E-6	
0.00000	87.00000	40.20000	-0.072441	37.560	-0.60164	-9.5233	52.116E-6	
1.00000	87.00000	40.20000	-0.10911	37.560	-0.76253	-10.741	57.079E-6	
2.00000	87.00000	40.20000	-0.14753	37.560	-0.95140	-12.037	62.002E-6	
3.00000	87.00000	40.20000	-0.18622	37.560	-1.1602	-13.358	66.699E-6	
4.00000	87.00000	40.20000	-0.22322	37.560	-1.3742	-14.636	70.988E-6	
5.00000	87.00000	40.20000	-0.25630	37.560	-1.5745	-15.787	74.703E-6	
6.00000	87.00000	40.20000	-0.28329	37.560	-1.7424	-16.733	77.693E-6	
7.00000	87.00000	40.20000	-0.30247	37.560	-1.8633	-17.410	79.816E-6	
8.00000	87.00000	40.20000	-0.31267	37.560	-1.9286	-17.775	80.954E-6	
9.00000	87.00000	40.20000	-0.31334	37.560	-1.9349	-17.806	81.034E-6	
10.00000	87.00000	40.20000	-0.30448	37.560	-1.8823	-17.502	80.051E-6	
11.00000	87.00000	40.20000	-0.28661	37.560	-1.7740	-16.884	78.071E-6	
12.00000	87.00000	40.20000	-0.26083	37.560	-1.6181	-15.992	75.207E-6	
13.00000	87.00000	40.20000	-0.22881	37.560	-1.4278	-14.887	71.600E-6	
14.00000	87.00000	40.20000	-0.19260	37.560	-1.2206	-13.644	67.406E-6	
15.00000	87.00000	40.20000	-0.15439	37.560	-1.0144	-12.343	62.797E-6	
16.00000	87.00000	40.20000	-0.11616	37.560	-0.82432	-11.056	57.953E-6	
17.00000	87.00000	40.20000	-0.079467	37.560	-0.65965	-9.8366	53.057E-6	
18.00000	87.00000	40.20000	-0.045377	37.560	-0.52373	-8.7200	48.271E-6	
19.00000	87.00000	40.20000	-0.014494	37.560	-0.41527	-7.7212	43.723E-6	
20.00000	87.00000	40.20000	0.012930	37.560	-0.33048	-6.8413	39.500E-6	
21.00000	87.00000	40.20000	0.036886	37.560	-0.26480	-6.0732	35.644E-6	
22.00000	87.00000	40.20000	0.057519	37.560	-0.21398	-5.4052	32.163E-6	
23.00000	87.00000	40.20000	0.075057	37.560	-0.17446	-4.8249	29.045E-6	
24.00000	87.00000	40.20000	0.089772	37.560	-0.14347	-4.3201	26.264E-6	
25.00000	87.00000	40.20000	0.10195	37.560	-0.11892	-3.8798	23.789E-6	
26.00000	87.00000	40.20000	0.11186	37.560	-0.099274	-3.4946	21.586E-6	
27.00000	87.00000	40.20000	0.11977	37.560	-0.083389	-3.1565	19.624E-6	
28.00000	87.00000	40.20000	0.12593	37.560	-0.070427	-2.8585	17.875E-6	
29.00000	87.00000	40.20000	0.13056	37.560	-0.059766	-2.5952	16.313E-6	
30.00000	87.00000	40.20000	0.13386	37.560	-0.050936	-2.3617	14.915E-6	
31.00000	87.00000	40.20000	0.13602	37.560	-0.043578	-2.1540	13.662E-6	
32.00000	87.00000	40.20000	0.13719	37.560	-0.037416	-1.9687	12.536E-6	
33.00000	87.00000	40.20000	0.13751	37.560	-0.032231	-1.8031	11.522E-6	
34.00000	87.00000	40.20000	0.13712	37.560	-0.027851	-1.6546	10.608E-6	
35.00000	87.00000	40.20000	0.13613	37.560	-0.024139	-1.5212	9.7823E-6	
36.00000	87.00000	40.20000	0.13463	37.560	-0.020981	-1.4010	9.0350E-6	
37.00000	87.00000	40.20000	0.13272	37.560	-0.018288	-1.2926	8.3575E-6	
38.00000	87.00000	40.20000	0.13046	37.560	-0.015983	-1.1946	7.7422E-6	
39.00000	87.00000	40.20000	0.12793	37.560	-0.014006	-1.1058	7.1826E-6	
40.00000	87.00000	40.20000	0.12518	37.560	-0.012305	-1.0252	6.6728E-6	
41.00000	87.00000	40.20000	0.12226	37.560	-0.010838	-0.95186	6.2077E-6	!
42.00000	87.00000	40.20000	0.11922	37.560	-0.0095689	-0.88511	5.7827E-6	!
43.00000	87.00000	40.20000	0.11608	37.560	-0.0084689	-0.82421	5.3937E-6	!
44.00000	87.00000	40.20000	0.11289	37.560	-0.0075129	-0.76856	5.0373E-6	!
45.00000	87.00000	40.20000	0.10966	37.560	-0.0066801	-0.71762	4.7102E-6	!
46.00000	87.00000	40.20000	0.10643	37.560	-0.0059528	-0.67092	4.4096E-6	!
47.00000	87.00000	40.20000	0.10321	37.560	-0.0053162	-0.62804	4.1330E-6	!
48.00000	87.00000	40.20000	0.10002	37.560	-0.0047578	-0.58862	3.8782E-6	!
49.00000	87.00000	40.20000	0.096861	37.560	-0.0042667	-0.55233	3.6430E-6	!
50.00000	87.00000	40.20000	0.093756	37.560	-0.0038340	-0.51886	3.4258E-6	!
-10.00000	88.00000	40.20000	0.12703	37.560	-0.055238	-2.7372	17.364E-6	

-9.00000	88.00000	40.20000	0.12097	37.560	-0.066276	-3.0228	19.068E-6	
-8.00000	88.00000	40.20000	0.11324	37.560	-0.080037	-3.3464	20.975E-6	
-7.00000	88.00000	40.20000	0.10364	37.560	-0.097294	-3.7138	23.106E-6	
-6.00000	88.00000	40.20000	0.091985	37.560	-0.11904	-4.1313	25.484E-6	
-5.00000	88.00000	40.20000	0.078075	37.560	-0.14656	-4.6056	28.130E-6	
-4.00000	88.00000	40.20000	0.061759	37.560	-0.18140	-5.1438	31.058E-6	
-3.00000	88.00000	40.20000	0.042930	37.560	-0.22547	-5.7523	34.274E-6	
-2.00000	88.00000	40.20000	0.021573	37.560	-0.28084	-6.4360	37.768E-6	
-1.00000	88.00000	40.20000	-0.0022003	37.560	-0.34955	-7.1960	41.509E-6	
0.00000	88.00000	40.20000	-0.028097	37.560	-0.43306	-8.0281	45.436E-6	
1.00000	88.00000	40.20000	-0.055590	37.560	-0.53155	-8.9194	49.459E-6	
2.00000	88.00000	40.20000	-0.083877	37.560	-0.64296	-9.8461	53.459E-6	
3.00000	88.00000	40.20000	-0.11187	37.560	-0.76243	-10.773	57.297E-6	
4.00000	88.00000	40.20000	-0.13827	37.560	-0.88239	-11.655	60.823E-6	
5.00000	88.00000	40.20000	-0.16165	37.560	-0.99355	-12.442	63.888E-6	
6.00000	88.00000	40.20000	-0.18066	37.560	-1.0867	-13.087	66.352E-6	
7.00000	88.00000	40.20000	-0.19416	37.560	-1.1542	-13.548	68.096E-6	
8.00000	88.00000	40.20000	-0.20136	37.560	-1.1912	-13.797	69.030E-6	
9.00000	88.00000	40.20000	-0.20187	37.560	-1.1954	-13.820	69.101E-6	
10.00000	88.00000	40.20000	-0.19565	37.560	-1.1665	-13.616	68.307E-6	
11.00000	88.00000	40.20000	-0.18310	37.560	-1.1069	-13.198	66.695E-6	
12.00000	88.00000	40.20000	-0.16497	37.560	-1.0210	-12.593	64.351E-6	
13.00000	88.00000	40.20000	-0.14234	37.560	-0.91590	-11.840	61.393E-6	
14.00000	88.00000	40.20000	-0.11653	37.560	-0.80025	-10.985	57.960E-6	
15.00000	88.00000	40.20000	-0.088930	37.560	-0.68300	-10.076	54.200E-6	
16.00000	88.00000	40.20000	-0.060866	37.560	-0.57187	-9.1596	50.264E-6	
17.00000	88.00000	40.20000	-0.033446	37.560	-0.47217	-8.2721	46.291E-6	
18.00000	88.00000	40.20000	-0.0075110	37.560	-0.38654	-7.4391	42.401E-6	
19.00000	88.00000	40.20000	0.016377	37.560	-0.31533	-6.6751	38.685E-6	
20.00000	88.00000	40.20000	0.037900	37.560	-0.25736	-5.9858	35.205E-6	
21.00000	88.00000	40.20000	0.056931	37.560	-0.21076	-5.3706	31.994E-6	
22.00000	88.00000	40.20000	0.073478	37.560	-0.17349	-4.8250	29.065E-6	
23.00000	88.00000	40.20000	0.087642	37.560	-0.14368	-4.3426	26.412E-6	
24.00000	88.00000	40.20000	0.099578	37.560	-0.11973	-3.9166	24.021E-6	
25.00000	88.00000	40.20000	0.10947	37.560	-0.10039	-3.5402	21.871E-6	
26.00000	88.00000	40.20000	0.11751	37.560	-0.084638	-3.2071	19.941E-6	
27.00000	88.00000	40.20000	0.12389	37.560	-0.071727	-2.9118	18.209E-6	
28.00000	88.00000	40.20000	0.12879	37.560	-0.061066	-2.6494	16.653E-6	
29.00000	88.00000	40.20000	0.13240	37.560	-0.052205	-2.4157	15.254E-6	
30.00000	88.00000	40.20000	0.13488	37.560	-0.044798	-2.2069	13.994E-6	
31.00000	88.00000	40.20000	0.13637	37.560	-0.038573	-2.0202	12.859E-6	
32.00000	88.00000	40.20000	0.13701	37.560	-0.033318	-1.8526	11.834E-6	
33.00000	88.00000	40.20000	0.13691	37.560	-0.028865	-1.7020	10.908E-6	
34.00000	88.00000	40.20000	0.13620	37.560	-0.025077	-1.5664	10.069E-6	
35.00000	88.00000	40.20000	0.13495	37.560	-0.021846	-1.4439	9.3074E-6	
36.00000	88.00000	40.20000	0.13326	37.560	-0.019079	-1.3332	8.6159E-6	
37.00000	88.00000	40.20000	0.13121	37.560	-0.016706	-1.2330	7.9870E-6	
38.00000	88.00000	40.20000	0.12886	37.560	-0.014663	-1.1420	7.4139E-6	
39.00000	88.00000	40.20000	0.12627	37.560	-0.012901	-1.0593	6.8911E-6	
40.00000	88.00000	40.20000	0.12348	37.560	-0.011378	-0.98396	6.4135E-6	
41.00000	88.00000	40.20000	0.12055	37.560	-0.010057	-0.91529	5.9765E-6	!
42.00000	88.00000	40.20000	0.11751	37.560	-0.0089097	-0.85256	5.5762E-6	!
43.00000	88.00000	40.20000	0.11440	37.560	-0.0079107	-0.79518	5.2090E-6	!
44.00000	88.00000	40.20000	0.11124	37.560	-0.0070389	-0.74261	4.8717E-6	!

45.00000	88.00000	40.20000	0.10806	37.560	-0.0062764	-0.69438	4.5615E-6	!
46.00000	88.00000	40.20000	0.10487	37.560	-0.0056080	-0.65007	4.2759E-6	!
47.00000	88.00000	40.20000	0.10170	37.560	-0.0050209	-0.60930	4.0125E-6	!
48.00000	88.00000	40.20000	0.098563	37.560	-0.0045041	-0.57175	3.7693E-6	!
49.00000	88.00000	40.20000	0.095464	37.560	-0.0040483	-0.53710	3.5446E-6	!
50.00000	88.00000	40.20000	0.092416	37.560	-0.0036454	-0.50510	3.3367E-6	!
-10.00000	89.00000	40.20000	0.12974	37.560	-0.048396	-2.5327	16.121E-6	
-9.00000	89.00000	40.20000	0.12497	37.560	-0.057486	-2.7823	17.623E-6	
-8.00000	89.00000	40.20000	0.11883	37.560	-0.068636	-3.0624	19.288E-6	
-7.00000	89.00000	40.20000	0.11116	37.560	-0.082363	-3.3767	21.132E-6	
-6.00000	89.00000	40.20000	0.10184	37.560	-0.099308	-3.7294	23.170E-6	
-5.00000	89.00000	40.20000	0.090741	37.560	-0.12024	-4.1244	25.414E-6	
-4.00000	89.00000	40.20000	0.077786	37.560	-0.14607	-4.5657	27.870E-6	
-3.00000	89.00000	40.20000	0.062943	37.560	-0.17779	-5.0559	30.537E-6	
-2.00000	89.00000	40.20000	0.046258	37.560	-0.21640	-5.5962	33.404E-6	
-1.00000	89.00000	40.20000	0.027883	37.560	-0.26272	-6.1849	36.441E-6	
0.00000	89.00000	40.20000	0.0081052	37.560	-0.31712	-6.8162	39.601E-6	
1.00000	89.00000	40.20000	-0.012624	37.560	-0.37917	-7.4785	42.816E-6	
2.00000	89.00000	40.20000	-0.033681	37.560	-0.44728	-8.1540	45.997E-6	
3.00000	89.00000	40.20000	-0.054277	37.560	-0.51854	-8.8183	49.040E-6	
4.00000	89.00000	40.20000	-0.073507	37.560	-0.58883	-9.4423	51.829E-6	
5.00000	89.00000	40.20000	-0.090418	37.560	-0.65330	-9.9941	54.249E-6	
6.00000	89.00000	40.20000	-0.10411	37.560	-0.70715	-10.443	56.191E-6	
7.00000	89.00000	40.20000	-0.11382	37.560	-0.74633	-10.764	57.564E-6	
8.00000	89.00000	40.20000	-0.11901	37.560	-0.76802	-10.938	58.299E-6	
9.00000	89.00000	40.20000	-0.11938	37.560	-0.77076	-10.955	58.361E-6	
10.00000	89.00000	40.20000	-0.11494	37.560	-0.75448	-10.815	57.746E-6	
11.00000	89.00000	40.20000	-0.10593	37.560	-0.72045	-10.527	56.488E-6	
12.00000	89.00000	40.20000	-0.092888	37.560	-0.67127	-10.108	54.652E-6	
13.00000	89.00000	40.20000	-0.076534	37.560	-0.61073	-9.5818	52.328E-6	
14.00000	89.00000	40.20000	-0.057753	37.560	-0.54338	-8.9790	49.622E-6	
15.00000	89.00000	40.20000	-0.037484	37.560	-0.47392	-8.3304	46.649E-6	
16.00000	89.00000	40.20000	-0.016635	37.560	-0.40653	-7.6654	43.524E-6	
17.00000	89.00000	40.20000	0.0039924	37.560	-0.34430	-7.0090	40.353E-6	
18.00000	89.00000	40.20000	0.023755	37.560	-0.28908	-6.3801	37.224E-6	
19.00000	89.00000	40.20000	0.042183	37.560	-0.24155	-5.7910	34.210E-6	
20.00000	89.00000	40.20000	0.058972	37.560	-0.20152	-5.2484	31.357E-6	
21.00000	89.00000	40.20000	0.073957	37.560	-0.16828	-4.7546	28.695E-6	
22.00000	89.00000	40.20000	0.087083	37.560	-0.14091	-4.3087	26.239E-6	
23.00000	89.00000	40.20000	0.098377	37.560	-0.11843	-3.9082	23.990E-6	
24.00000	89.00000	40.20000	0.10792	37.560	-0.099967	-3.5494	21.941E-6	
25.00000	89.00000	40.20000	0.11582	37.560	-0.084754	-3.2283	20.082E-6	
26.00000	89.00000	40.20000	0.12221	37.560	-0.072165	-2.9411	18.397E-6	
27.00000	89.00000	40.20000	0.12724	37.560	-0.061697	-2.6838	16.872E-6	
28.00000	89.00000	40.20000	0.13103	37.560	-0.052946	-2.4533	15.493E-6	
29.00000	89.00000	40.20000	0.13374	37.560	-0.045595	-2.2463	14.244E-6	
30.00000	89.00000	40.20000	0.13548	37.560	-0.039390	-2.0603	13.113E-6	
31.00000	89.00000	40.20000	0.13638	37.560	-0.034131	-1.8927	12.088E-6	
32.00000	89.00000	40.20000	0.13654	37.560	-0.029656	-1.7415	11.158E-6	
33.00000	89.00000	40.20000	0.13607	37.560	-0.025836	-1.6049	10.313E-6	
34.00000	89.00000	40.20000	0.13506	37.560	-0.022564	-1.4812	9.5446E-6	
35.00000	89.00000	40.20000	0.13359	37.560	-0.019754	-1.3691	8.8447E-6	
36.00000	89.00000	40.20000	0.13174	37.560	-0.017334	-1.2674	8.2065E-6	
37.00000	89.00000	40.20000	0.12957	37.560	-0.015245	-1.1748	7.6239E-6	

38.00000	89.00000	40.20000	0.12714	37.560	-0.013437	-1.0905	7.0913E-6	
39.00000	89.00000	40.20000	0.12450	37.560	-0.011869	-1.0136	6.6039E-6	
40.00000	89.00000	40.20000	0.12169	37.560	-0.010507	-0.94341	6.1573E-6	
41.00000	89.00000	40.20000	0.11876	37.560	-0.0093204	-0.87918	5.7476E-6	!
42.00000	89.00000	40.20000	0.11573	37.560	-0.0082848	-0.82034	5.3713E-6	!
43.00000	89.00000	40.20000	0.11265	37.560	-0.0073792	-0.76637	5.0253E-6	!
44.00000	89.00000	40.20000	0.10953	37.560	-0.0065855	-0.71680	4.7067E-6	!
45.00000	89.00000	40.20000	0.10639	37.560	-0.0058887	-0.67122	4.4130E-6	!
46.00000	89.00000	40.20000	0.10326	37.560	-0.0052756	-0.62925	4.1420E-6	!
47.00000	89.00000	40.20000	0.10014	37.560	-0.0047352	-0.59055	3.8916E-6	!
48.00000	89.00000	40.20000	0.097060	37.560	-0.0042579	-0.55482	3.6601E-6	!
49.00000	89.00000	40.20000	0.094020	37.560	-0.0038356	-0.52180	3.4457E-6	!
50.00000	89.00000	40.20000	0.091033	37.560	-0.0034613	-0.49125	3.2470E-6	!
-10.00000	90.00000	40.20000	0.13181	37.560	-0.042315	-2.3413	14.952E-6	
-9.00000	90.00000	40.20000	0.12818	37.560	-0.049773	-2.5590	16.271E-6	
-8.00000	90.00000	40.20000	0.12342	37.560	-0.058780	-2.8009	17.722E-6	
-7.00000	90.00000	40.20000	0.11741	37.560	-0.069676	-3.0695	19.314E-6	
-6.00000	90.00000	40.20000	0.11009	37.560	-0.082864	-3.3672	21.058E-6	
-5.00000	90.00000	40.20000	0.10136	37.560	-0.098808	-3.6963	22.957E-6	
-4.00000	90.00000	40.20000	0.091201	37.560	-0.11801	-4.0586	25.014E-6	
-3.00000	90.00000	40.20000	0.079616	37.560	-0.14099	-4.4548	27.224E-6	
-2.00000	90.00000	40.20000	0.066679	37.560	-0.16820	-4.8843	29.573E-6	
-1.00000	90.00000	40.20000	0.052546	37.560	-0.19992	-5.3441	32.035E-6	
0.00000	90.00000	40.20000	0.037471	37.560	-0.23611	-5.8284	34.572E-6	
1.00000	90.00000	40.20000	0.021820	37.560	-0.27628	-6.3277	37.130E-6	
2.00000	90.00000	40.20000	0.0060705	37.560	-0.31929	-6.8288	39.642E-6	
3.00000	90.00000	40.20000	-0.0092033	37.560	-0.36338	-7.3147	42.030E-6	
4.00000	90.00000	40.20000	-0.023360	37.560	-0.40619	-7.7657	44.208E-6	
5.00000	90.00000	40.20000	-0.035740	37.560	-0.44508	-8.1612	46.091E-6	
6.00000	90.00000	40.20000	-0.045726	37.560	-0.47743	-8.4815	47.598E-6	
7.00000	90.00000	40.20000	-0.052796	37.560	-0.50098	-8.7096	48.662E-6	
8.00000	90.00000	40.20000	-0.056574	37.560	-0.51412	-8.8336	49.233E-6	
9.00000	90.00000	40.20000	-0.056858	37.560	-0.51598	-8.8469	49.284E-6	
10.00000	90.00000	40.20000	-0.053640	37.560	-0.50651	-8.7490	48.815E-6	
11.00000	90.00000	40.20000	-0.047101	37.560	-0.48644	-8.5458	47.850E-6	
12.00000	90.00000	40.20000	-0.037601	37.560	-0.45725	-8.2486	46.434E-6	
13.00000	90.00000	40.20000	-0.025644	37.560	-0.42105	-7.8734	44.634E-6	
14.00000	90.00000	40.20000	-0.011834	37.560	-0.38032	-7.4393	42.528E-6	
15.00000	90.00000	40.20000	0.0031760	37.560	-0.33767	-6.9669	40.202E-6	
16.00000	90.00000	40.20000	0.018746	37.560	-0.29544	-6.4756	37.740E-6	
17.00000	90.00000	40.20000	0.034295	37.560	-0.25550	-5.9829	35.222E-6	
18.00000	90.00000	40.20000	0.049334	37.560	-0.21908	-5.5024	32.716E-6	
19.00000	90.00000	40.20000	0.063488	37.560	-0.18682	-5.0441	30.275E-6	
20.00000	90.00000	40.20000	0.076490	37.560	-0.15885	-4.6144	27.940E-6	
21.00000	90.00000	40.20000	0.088176	37.560	-0.13497	-4.2166	25.738E-6	
22.00000	90.00000	40.20000	0.098466	37.560	-0.11478	-3.8516	23.682E-6	
23.00000	90.00000	40.20000	0.10735	37.560	-0.097803	-3.5189	21.779E-6	
24.00000	90.00000	40.20000	0.11485	37.560	-0.083563	-3.2168	20.028E-6	
25.00000	90.00000	40.20000	0.12104	37.560	-0.071611	-2.9433	18.424E-6	
26.00000	90.00000	40.20000	0.12601	37.560	-0.061561	-2.6960	16.957E-6	
27.00000	90.00000	40.20000	0.12985	37.560	-0.053086	-2.4724	15.619E-6	
28.00000	90.00000	40.20000	0.13267	37.560	-0.045914	-2.2702	14.399E-6	
29.00000	90.00000	40.20000	0.13458	37.560	-0.039823	-2.0873	13.288E-6	
30.00000	90.00000	40.20000	0.13567	37.560	-0.034632	-1.9218	12.275E-6	

31.00000	90.00000	40.20000	0.13604	37.560	-0.030194	-1.7717	11.352E-6	
32.00000	90.00000	40.20000	0.13579	37.560	-0.026388	-1.6356	10.509E-6	
33.00000	90.00000	40.20000	0.13499	37.560	-0.023114	-1.5119	9.7406E-6	
34.00000	90.00000	40.20000	0.13372	37.560	-0.020291	-1.3994	9.0383E-6	
35.00000	90.00000	40.20000	0.13206	37.560	-0.017850	-1.2970	8.3961E-6	
36.00000	90.00000	40.20000	0.13007	37.560	-0.015735	-1.2036	7.8082E-6	
37.00000	90.00000	40.20000	0.12780	37.560	-0.013899	-1.1183	7.2696E-6	
38.00000	90.00000	40.20000	0.12531	37.560	-0.012302	-1.0404	6.7757E-6	
39.00000	90.00000	40.20000	0.12263	37.560	-0.010909	-0.96903	6.3222E-6	
40.00000	90.00000	40.20000	0.11981	37.560	-0.0096923	-0.90365	5.9054E-6	
41.00000	90.00000	40.20000	0.11689	37.560	-0.0086278	-0.84367	5.5219E-6	!
42.00000	90.00000	40.20000	0.11389	37.560	-0.0076945	-0.78857	5.1688E-6	!
43.00000	90.00000	40.20000	0.11083	37.560	-0.0068748	-0.73790	4.8432E-6	!
44.00000	90.00000	40.20000	0.10776	37.560	-0.0061536	-0.69124	4.5428E-6	!
45.00000	90.00000	40.20000	0.10467	37.560	-0.0055179	-0.64823	4.2652E-6	!
46.00000	90.00000	40.20000	0.10159	37.560	-0.0049565	-0.60853	4.0086E-6	!
47.00000	90.00000	40.20000	0.098534	37.560	-0.0044600	-0.57185	3.7709E-6	!
48.00000	90.00000	40.20000	0.095512	37.560	-0.0040200	-0.53792	3.5507E-6	!
49.00000	90.00000	40.20000	0.092535	37.560	-0.0036294	-0.50650	3.3465E-6	!
50.00000	90.00000	40.20000	0.089610	37.560	-0.0032822	-0.47737	3.1569E-6	!
-10.00000	91.00000	40.20000	0.13327	37.560	-0.036950	-2.1630	13.857E-6	
-9.00000	91.00000	40.20000	0.13062	37.560	-0.043056	-2.3527	15.014E-6	
-8.00000	91.00000	40.20000	0.12704	37.560	-0.050319	-2.5614	16.276E-6	
-7.00000	91.00000	40.20000	0.12246	37.560	-0.058963	-2.7908	17.650E-6	
-6.00000	91.00000	40.20000	0.11681	37.560	-0.069236	-3.0422	19.139E-6	
-5.00000	91.00000	40.20000	0.11007	37.560	-0.081410	-3.3168	20.747E-6	
-4.00000	91.00000	40.20000	0.10221	37.560	-0.095763	-3.6150	22.470E-6	
-3.00000	91.00000	40.20000	0.093273	37.560	-0.11255	-3.9367	24.302E-6	
-2.00000	91.00000	40.20000	0.083333	37.560	-0.13194	-4.2801	26.228E-6	
-1.00000	91.00000	40.20000	0.072535	37.560	-0.15401	-4.6423	28.226E-6	
0.00000	91.00000	40.20000	0.061093	37.560	-0.17858	-5.0180	30.265E-6	
1.00000	91.00000	40.20000	0.049295	37.560	-0.20523	-5.3996	32.302E-6	
2.00000	91.00000	40.20000	0.037505	37.560	-0.23319	-5.7773	34.286E-6	
3.00000	91.00000	40.20000	0.026144	37.560	-0.26135	-6.1392	36.159E-6	
4.00000	91.00000	40.20000	0.015673	37.560	-0.28833	-6.4717	37.858E-6	
5.00000	91.00000	40.20000	0.0065562	37.560	-0.31262	-6.7610	39.319E-6	
6.00000	91.00000	40.20000	-774.56E-6	37.560	-0.33273	-6.9940	40.485E-6	
7.00000	91.00000	40.20000	-0.0059558	37.560	-0.34736	-7.1596	41.307E-6	
8.00000	91.00000	40.20000	-0.0087244	37.560	-0.35558	-7.2498	41.750E-6	
9.00000	91.00000	40.20000	-0.0089396	37.560	-0.35688	-7.2601	41.793E-6	
10.00000	91.00000	40.20000	-0.0065947	37.560	-0.35122	-7.1903	41.437E-6	
11.00000	91.00000	40.20000	-0.0018164	37.560	-0.33901	-7.0442	40.697E-6	
12.00000	91.00000	40.20000	0.0051453	37.560	-0.32111	-6.8293	39.609E-6	
13.00000	91.00000	40.20000	0.013938	37.560	-0.29873	-6.5562	38.218E-6	
14.00000	91.00000	40.20000	0.024140	37.560	-0.27328	-6.2376	36.582E-6	
15.00000	91.00000	40.20000	0.035290	37.560	-0.24625	-5.8872	34.764E-6	
16.00000	91.00000	40.20000	0.046931	37.560	-0.21901	-5.5183	32.825E-6	
17.00000	91.00000	40.20000	0.058637	37.560	-0.19272	-5.1432	30.824E-6	
18.00000	91.00000	40.20000	0.070039	37.560	-0.16818	-4.7719	28.814E-6	
19.00000	91.00000	40.20000	0.080842	37.560	-0.14591	-4.4122	26.837E-6	
20.00000	91.00000	40.20000	0.090824	37.560	-0.12612	-4.0697	24.925E-6	
21.00000	91.00000	40.20000	0.099836	37.560	-0.10881	-3.7478	23.102E-6	
22.00000	91.00000	40.20000	0.10779	37.560	-0.093841	-3.4482	21.382E-6	
23.00000	91.00000	40.20000	0.11466	37.560	-0.080980	-3.1714	19.773E-6	

24.00000	91.00000	40.20000	0.12044	37.560	-0.069979	-2.9170	18.279E-6	
25.00000	91.00000	40.20000	0.12518	37.560	-0.060585	-2.6840	16.896E-6	
26.00000	91.00000	40.20000	0.12893	37.560	-0.052564	-2.4712	15.621E-6	
27.00000	91.00000	40.20000	0.13175	37.560	-0.045706	-2.2770	14.449E-6	
28.00000	91.00000	40.20000	0.13372	37.560	-0.039833	-2.1000	13.373E-6	
29.00000	91.00000	40.20000	0.13494	37.560	-0.034791	-1.9386	12.385E-6	
30.00000	91.00000	40.20000	0.13546	37.560	-0.030453	-1.7916	11.480E-6	
31.00000	91.00000	40.20000	0.13538	37.560	-0.026711	-1.6574	10.650E-6	
32.00000	91.00000	40.20000	0.13476	37.560	-0.023476	-1.5350	9.8894E-6	
33.00000	91.00000	40.20000	0.13368	37.560	-0.020673	-1.4233	9.1914E-6	
34.00000	91.00000	40.20000	0.13219	37.560	-0.018239	-1.3211	8.5509E-6	
35.00000	91.00000	40.20000	0.13037	37.560	-0.016121	-1.2276	7.9628E-6	
36.00000	91.00000	40.20000	0.12826	37.560	-0.014275	-1.1421	7.4223E-6	
37.00000	91.00000	40.20000	0.12591	37.560	-0.012663	-1.0636	6.9253E-6	
38.00000	91.00000	40.20000	0.12337	37.560	-0.011253	-0.99166	6.4680E-6	
39.00000	91.00000	40.20000	0.12067	37.560	-0.010017	-0.92557	6.0468E-6	
40.00000	91.00000	40.20000	0.11785	37.560	-0.0089323	-0.86480	5.6585E-6	
41.00000	91.00000	40.20000	0.11494	37.560	-0.0079786	-0.80889	5.3002E-6	!
42.00000	91.00000	40.20000	0.11197	37.560	-0.0071387	-0.75737	4.9694E-6	!
43.00000	91.00000	40.20000	0.10896	37.560	-0.0063980	-0.70986	4.6636E-6	!
44.00000	91.00000	40.20000	0.10593	37.560	-0.0057435	-0.66601	4.3807E-6	!
45.00000	91.00000	40.20000	0.10290	37.560	-0.0051645	-0.62548	4.1188E-6	!
46.00000	91.00000	40.20000	0.099877	37.560	-0.0046513	-0.58799	3.8760E-6	!
47.00000	91.00000	40.20000	0.096883	37.560	-0.0041958	-0.55327	3.6509E-6	!
48.00000	91.00000	40.20000	0.093925	37.560	-0.0037908	-0.52109	3.4418E-6	!
49.00000	91.00000	40.20000	0.091012	37.560	-0.0034302	-0.49124	3.2475E-6	!
50.00000	91.00000	40.20000	0.088152	37.560	-0.0031086	-0.46351	3.0667E-6	!
-10.00000	92.00000	40.20000	0.13413	37.560	-0.032244	-1.9978	12.836E-6	
-9.00000	92.00000	40.20000	0.13232	37.560	-0.037237	-2.1629	13.850E-6	
-8.00000	92.00000	40.20000	0.12975	37.560	-0.043093	-2.3429	14.947E-6	
-7.00000	92.00000	40.20000	0.12636	37.560	-0.049955	-2.5389	16.131E-6	
-6.00000	92.00000	40.20000	0.12213	37.560	-0.057974	-2.7515	17.404E-6	
-5.00000	92.00000	40.20000	0.11702	37.560	-0.067307	-2.9810	18.765E-6	
-4.00000	92.00000	40.20000	0.11105	37.560	-0.078098	-3.2274	20.210E-6	
-3.00000	92.00000	40.20000	0.10425	37.560	-0.090464	-3.4897	21.731E-6	
-2.00000	92.00000	40.20000	0.096699	37.560	-0.10446	-3.7663	23.315E-6	
-1.00000	92.00000	40.20000	0.088523	37.560	-0.12004	-4.0540	24.942E-6	
0.00000	92.00000	40.20000	0.079894	37.560	-0.13705	-4.3484	26.586E-6	
1.00000	92.00000	40.20000	0.071039	37.560	-0.15514	-4.6438	28.214E-6	
2.00000	92.00000	40.20000	0.062234	37.560	-0.17378	-4.9328	29.787E-6	
3.00000	92.00000	40.20000	0.053789	37.560	-0.19228	-5.2067	31.262E-6	
4.00000	92.00000	40.20000	0.046038	37.560	-0.20981	-5.4561	32.591E-6	
5.00000	92.00000	40.20000	0.039311	37.560	-0.22545	-5.6717	33.730E-6	
6.00000	92.00000	40.20000	0.033916	37.560	-0.23833	-5.8445	34.636E-6	
7.00000	92.00000	40.20000	0.030109	37.560	-0.24771	-5.9670	35.273E-6	
8.00000	92.00000	40.20000	0.028073	37.560	-0.25301	-6.0338	35.617E-6	
9.00000	92.00000	40.20000	0.027910	37.560	-0.25394	-6.0420	35.653E-6	
10.00000	92.00000	40.20000	0.029623	37.560	-0.25046	-5.9913	35.382E-6	
11.00000	92.00000	40.20000	0.033125	37.560	-0.24282	-5.8843	34.814E-6	
12.00000	92.00000	40.20000	0.038238	37.560	-0.23152	-5.7260	33.974E-6	
13.00000	92.00000	40.20000	0.044716	37.560	-0.21726	-5.5236	32.896E-6	
14.00000	92.00000	40.20000	0.052259	37.560	-0.20089	-5.2856	31.620E-6	
15.00000	92.00000	40.20000	0.060538	37.560	-0.18328	-5.0214	30.193E-6	
16.00000	92.00000	40.20000	0.069222	37.560	-0.16526	-4.7404	28.661E-6	



17.00000	92.00000	40.20000	0.077999	37.560	-0.14755	-4.4510	27.066E-6	
18.00000	92.00000	40.20000	0.086590	37.560	-0.13070	-4.1609	25.448E-6	
19.00000	92.00000	40.20000	0.094765	37.560	-0.11508	-3.8762	23.842E-6	
20.00000	92.00000	40.20000	0.10234	37.560	-0.10090	-3.6013	22.273E-6	
21.00000	92.00000	40.20000	0.10920	37.560	-0.088235	-3.3394	20.761E-6	
22.00000	92.00000	40.20000	0.11525	37.560	-0.077054	-3.0926	19.321E-6	
23.00000	92.00000	40.20000	0.12046	37.560	-0.067265	-2.8618	17.961E-6	
24.00000	92.00000	40.20000	0.12480	37.560	-0.058743	-2.6473	16.685E-6	
25.00000	92.00000	40.20000	0.12832	37.560	-0.051347	-2.4487	15.494E-6	
26.00000	92.00000	40.20000	0.13102	37.560	-0.044940	-2.2656	14.388E-6	
27.00000	92.00000	40.20000	0.13297	37.560	-0.039390	-2.0971	13.362E-6	
28.00000	92.00000	40.20000	0.13423	37.560	-0.034581	-1.9422	12.414E-6	
29.00000	92.00000	40.20000	0.13484	37.560	-0.030410	-1.8000	11.538E-6	
30.00000	92.00000	40.20000	0.13488	37.560	-0.026786	-1.6695	10.731E-6	
31.00000	92.00000	40.20000	0.13441	37.560	-0.023633	-1.5498	9.9858E-6	
32.00000	92.00000	40.20000	0.13348	37.560	-0.020885	-1.4399	9.2994E-6	
33.00000	92.00000	40.20000	0.13215	37.560	-0.018487	-1.3390	8.6667E-6	
34.00000	92.00000	40.20000	0.13048	37.560	-0.016390	-1.2463	8.0836E-6	
35.00000	92.00000	40.20000	0.12852	37.560	-0.014554	-1.1612	7.5458E-6	
36.00000	92.00000	40.20000	0.12632	37.560	-0.012944	-1.0829	7.0498E-6	
37.00000	92.00000	40.20000	0.12391	37.560	-0.011530	-1.0109	6.5920E-6	
38.00000	92.00000	40.20000	0.12133	37.560	-0.010287	-0.94451	6.1692E-6	
39.00000	92.00000	40.20000	0.11863	37.560	-0.0091912	-0.88337	5.7786E-6	
40.00000	92.00000	40.20000	0.11582	37.560	-0.0082251	-0.82698	5.4174E-6	
41.00000	92.00000	40.20000	0.11293	37.560	-0.0073717	-0.77492	5.0831E-6	!
42.00000	92.00000	40.20000	0.11000	37.560	-0.0066169	-0.72682	4.7737E-6	!
43.00000	92.00000	40.20000	0.10703	37.560	-0.0059483	-0.68235	4.4869E-6	!
44.00000	92.00000	40.20000	0.10406	37.560	-0.0053554	-0.64118	4.2210E-6	!
45.00000	92.00000	40.20000	0.10108	37.560	-0.0048287	-0.60305	3.9741E-6	!
46.00000	92.00000	40.20000	0.098123	37.560	-0.0043602	-0.56769	3.7449E-6	!
47.00000	92.00000	40.20000	0.095194	37.560	-0.0039429	-0.53488	3.5318E-6	!
48.00000	92.00000	40.20000	0.092302	37.560	-0.0035708	-0.50440	3.3335E-6	!
49.00000	92.00000	40.20000	0.089456	37.560	-0.0032383	-0.47607	3.1489E-6	!
50.00000	92.00000	40.20000	0.086662	37.560	-0.0029410	-0.44970	2.9769E-6	!
-10.00000	93.00000	40.20000	0.13443	37.560	-0.028135	-1.8452	11.889E-6	
-9.00000	93.00000	40.20000	0.13333	37.560	-0.032217	-1.9888	12.777E-6	
-8.00000	93.00000	40.20000	0.13160	37.560	-0.036942	-2.1442	13.730E-6	
-7.00000	93.00000	40.20000	0.12922	37.560	-0.042398	-2.3118	14.751E-6	
-6.00000	93.00000	40.20000	0.12615	37.560	-0.048678	-2.4919	15.840E-6	
-5.00000	93.00000	40.20000	0.12239	37.560	-0.055867	-2.6843	16.993E-6	
-4.00000	93.00000	40.20000	0.11795	37.560	-0.064037	-2.8886	18.207E-6	
-3.00000	93.00000	40.20000	0.11287	37.560	-0.073232	-3.1037	19.473E-6	
-2.00000	93.00000	40.20000	0.10722	37.560	-0.083449	-3.3278	20.780E-6	
-1.00000	93.00000	40.20000	0.10111	37.560	-0.094622	-3.5582	22.109E-6	
0.00000	93.00000	40.20000	0.094661	37.560	-0.10660	-3.7914	23.441E-6	
1.00000	93.00000	40.20000	0.088065	37.560	-0.11913	-4.0228	24.750E-6	
2.00000	93.00000	40.20000	0.081524	37.560	-0.13185	-4.2468	26.004E-6	
3.00000	93.00000	40.20000	0.075271	37.560	-0.14431	-4.4571	27.173E-6	
4.00000	93.00000	40.20000	0.069548	37.560	-0.15600	-4.6473	28.220E-6	
5.00000	93.00000	40.20000	0.064593	37.560	-0.16635	-4.8106	29.113E-6	
6.00000	93.00000	40.20000	0.060626	37.560	-0.17484	-4.9410	29.821E-6	
7.00000	93.00000	40.20000	0.057829	37.560	-0.18101	-5.0332	30.319E-6	
8.00000	93.00000	40.20000	0.056333	37.560	-0.18453	-5.0836	30.588E-6	
9.00000	93.00000	40.20000	0.056209	37.560	-0.18520	-5.0902	30.619E-6	

10.00000	93.00000	40.20000	0.057461	37.560	-0.18301	-5.0527	30.410E-6	
11.00000	93.00000	40.20000	0.060025	37.560	-0.17811	-4.9730	29.971E-6	
12.00000	93.00000	40.20000	0.063778	37.560	-0.17079	-4.8544	29.319E-6	
13.00000	93.00000	40.20000	0.068542	37.560	-0.16147	-4.7019	28.477E-6	
14.00000	93.00000	40.20000	0.074104	37.560	-0.15066	-4.5213	27.477E-6	
15.00000	93.00000	40.20000	0.080228	37.560	-0.13890	-4.3191	26.350E-6	
16.00000	93.00000	40.20000	0.086673	37.560	-0.12670	-4.1020	25.132E-6	
17.00000	93.00000	40.20000	0.093206	37.560	-0.11452	-3.8762	23.853E-6	
18.00000	93.00000	40.20000	0.099620	37.560	-0.10274	-3.6473	22.546E-6	
19.00000	93.00000	40.20000	0.10573	37.560	-0.091617	-3.4198	21.236E-6	
20.00000	93.00000	40.20000	0.11141	37.560	-0.081334	-3.1977	19.944E-6	
21.00000	93.00000	40.20000	0.11653	37.560	-0.071976	-2.9836	18.688E-6	
22.00000	93.00000	40.20000	0.12103	37.560	-0.063565	-2.7794	17.480E-6	
23.00000	93.00000	40.20000	0.12487	37.560	-0.056075	-2.5864	16.328E-6	
24.00000	93.00000	40.20000	0.12803	37.560	-0.049448	-2.4052	15.239E-6	
25.00000	93.00000	40.20000	0.13052	37.560	-0.043611	-2.2358	14.213E-6	
26.00000	93.00000	40.20000	0.13236	37.560	-0.038485	-2.0782	13.253E-6	
27.00000	93.00000	40.20000	0.13358	37.560	-0.033990	-1.9319	12.356E-6	
28.00000	93.00000	40.20000	0.13422	37.560	-0.030051	-1.7964	11.521E-6	
29.00000	93.00000	40.20000	0.13432	37.560	-0.026599	-1.6712	10.745E-6	
30.00000	93.00000	40.20000	0.13395	37.560	-0.023572	-1.5555	10.026E-6	
31.00000	93.00000	40.20000	0.13314	37.560	-0.020916	-1.4487	9.3581E-6	
32.00000	93.00000	40.20000	0.13195	37.560	-0.018583	-1.3501	8.7398E-6	
33.00000	93.00000	40.20000	0.13042	37.560	-0.016532	-1.2591	8.1672E-6	
34.00000	93.00000	40.20000	0.12860	37.560	-0.014727	-1.1752	7.6370E-6	
35.00000	93.00000	40.20000	0.12654	37.560	-0.013137	-1.0977	7.1460E-6	
36.00000	93.00000	40.20000	0.12426	37.560	-0.011733	-1.0262	6.6914E-6	
37.00000	93.00000	40.20000	0.12181	37.560	-0.010494	-0.96009	6.2702E-6	
38.00000	93.00000	40.20000	0.11921	37.560	-0.0093984	-0.89901	5.8800E-6	
39.00000	93.00000	40.20000	0.11651	37.560	-0.0084284	-0.84252	5.5182E-6	
40.00000	93.00000	40.20000	0.11372	37.560	-0.0075687	-0.79025	5.1827E-6	
41.00000	93.00000	40.20000	0.11087	37.560	-0.0068059	-0.74185	4.8713E-6	!
42.00000	93.00000	40.20000	0.10797	37.560	-0.0061283	-0.69701	4.5823E-6	!
43.00000	93.00000	40.20000	0.10506	37.560	-0.0055256	-0.65542	4.3137E-6	!
44.00000	93.00000	40.20000	0.10214	37.560	-0.0049890	-0.61684	4.0640E-6	!
45.00000	93.00000	40.20000	0.099226	37.560	-0.0045105	-0.58100	3.8317E-6	!
46.00000	93.00000	40.20000	0.096334	37.560	-0.0040834	-0.54770	3.6155E-6	!
47.00000	93.00000	40.20000	0.093471	37.560	-0.0037017	-0.51673	3.4141E-6	!
48.00000	93.00000	40.20000	0.090648	37.560	-0.0033602	-0.48789	3.2263E-6	!
49.00000	93.00000	40.20000	0.087870	37.560	-0.0030541	-0.46104	3.0512E-6	!
50.00000	93.00000	40.20000	0.085144	37.560	-0.0027795	-0.43600	2.8877E-6	!
-10.00000	94.00000	40.20000	0.13420	37.560	-0.024559	-1.7046	11.013E-6	
-9.00000	94.00000	40.20000	0.13370	37.560	-0.027898	-1.8297	11.789E-6	
-8.00000	94.00000	40.20000	0.13268	37.560	-0.031716	-1.9639	12.618E-6	
-7.00000	94.00000	40.20000	0.13113	37.560	-0.036067	-2.1074	13.499E-6	
-6.00000	94.00000	40.20000	0.12902	37.560	-0.041003	-2.2603	14.431E-6	
-5.00000	94.00000	40.20000	0.12636	37.560	-0.046571	-2.4221	15.411E-6	
-4.00000	94.00000	40.20000	0.12316	37.560	-0.052801	-2.5922	16.434E-6	
-3.00000	94.00000	40.20000	0.11945	37.560	-0.059702	-2.7695	17.491E-6	
-2.00000	94.00000	40.20000	0.11531	37.560	-0.067247	-2.9523	18.573E-6	
-1.00000	94.00000	40.20000	0.11081	37.560	-0.075368	-3.1384	19.664E-6	
0.00000	94.00000	40.20000	0.10606	37.560	-0.083941	-3.3248	20.749E-6	
1.00000	94.00000	40.20000	0.10120	37.560	-0.092781	-3.5080	21.807E-6	
2.00000	94.00000	40.20000	0.096389	37.560	-0.10164	-3.6837	22.815E-6	

3.00000	94.00000	40.20000	0.091794	37.560	-0.11023	-3.8475	23.747E-6	
4.00000	94.00000	40.20000	0.087594	37.560	-0.11821	-3.9946	24.578E-6	
5.00000	94.00000	40.20000	0.083963	37.560	-0.12523	-4.1202	25.284E-6	
6.00000	94.00000	40.20000	0.081059	37.560	-0.13096	-4.2200	25.842E-6	
7.00000	94.00000	40.20000	0.079012	37.560	-0.13513	-4.2906	26.234E-6	
8.00000	94.00000	40.20000	0.077916	37.560	-0.13753	-4.3293	26.446E-6	
9.00000	94.00000	40.20000	0.077823	37.560	-0.13803	-4.3346	26.472E-6	
10.00000	94.00000	40.20000	0.078733	37.560	-0.13662	-4.3065	26.311E-6	
11.00000	94.00000	40.20000	0.080604	37.560	-0.13339	-4.2461	25.969E-6	
12.00000	94.00000	40.20000	0.083346	37.560	-0.12853	-4.1559	25.458E-6	
13.00000	94.00000	40.20000	0.086832	37.560	-0.12229	-4.0392	24.797E-6	
14.00000	94.00000	40.20000	0.090909	37.560	-0.11499	-3.9002	24.006E-6	
15.00000	94.00000	40.20000	0.095405	37.560	-0.10696	-3.7434	23.110E-6	
16.00000	94.00000	40.20000	0.10014	37.560	-0.098534	-3.5737	22.134E-6	
17.00000	94.00000	40.20000	0.10495	37.560	-0.090004	-3.3955	21.104E-6	
18.00000	94.00000	40.20000	0.10968	37.560	-0.081626	-3.2130	20.041E-6	
19.00000	94.00000	40.20000	0.11418	37.560	-0.073595	-3.0299	18.968E-6	
20.00000	94.00000	40.20000	0.11834	37.560	-0.066048	-2.8491	17.900E-6	
21.00000	94.00000	40.20000	0.12208	37.560	-0.059068	-2.6731	16.853E-6	
22.00000	94.00000	40.20000	0.12533	37.560	-0.052693	-2.5035	15.837E-6	
23.00000	94.00000	40.20000	0.12806	37.560	-0.046927	-2.3416	14.860E-6	
24.00000	94.00000	40.20000	0.13025	37.560	-0.041752	-2.1881	13.929E-6	
25.00000	94.00000	40.20000	0.13189	37.560	-0.037131	-2.0434	13.045E-6	
26.00000	94.00000	40.20000	0.13300	37.560	-0.033021	-1.9076	12.211E-6	
27.00000	94.00000	40.20000	0.13361	37.560	-0.029375	-1.7805	11.428E-6	
28.00000	94.00000	40.20000	0.13373	37.560	-0.026145	-1.6620	10.693E-6	
29.00000	94.00000	40.20000	0.13342	37.560	-0.023287	-1.5517	10.006E-6	
30.00000	94.00000	40.20000	0.13270	37.560	-0.020758	-1.4492	9.3647E-6	
31.00000	94.00000	40.20000	0.13161	37.560	-0.018521	-1.3540	8.7671E-6	
32.00000	94.00000	40.20000	0.13021	37.560	-0.016540	-1.2656	8.2107E-6	
33.00000	94.00000	40.20000	0.12851	37.560	-0.014787	-1.1837	7.6930E-6	
34.00000	94.00000	40.20000	0.12657	37.560	-0.013233	-1.1077	7.2115E-6	
35.00000	94.00000	40.20000	0.12442	37.560	-0.011856	-1.0373	6.7638E-6	
36.00000	94.00000	40.20000	0.12209	37.560	-0.010634	-0.97196	6.3476E-6	
37.00000	94.00000	40.20000	0.11961	37.560	-0.0095481	-0.91140	5.9606E-6	
38.00000	94.00000	40.20000	0.11701	37.560	-0.0085833	-0.85523	5.6009E-6	
39.00000	94.00000	40.20000	0.11432	37.560	-0.0077250	-0.80310	5.2663E-6	
40.00000	94.00000	40.20000	0.11156	37.560	-0.0069607	-0.75470	4.9550E-6	
41.00000	94.00000	40.20000	0.10874	37.560	-0.0062795	-0.70976	4.6653E-6	!
42.00000	94.00000	40.20000	0.10590	37.560	-0.0056718	-0.66799	4.3956E-6	!
43.00000	94.00000	40.20000	0.10304	37.560	-0.0051291	-0.62915	4.1443E-6	!
44.00000	94.00000	40.20000	0.10018	37.560	-0.0046440	-0.59302	3.9102E-6	!
45.00000	94.00000	40.20000	0.097337	37.560	-0.0042099	-0.55939	3.6919E-6	!
46.00000	94.00000	40.20000	0.094513	37.560	-0.0038210	-0.52806	3.4882E-6	!
47.00000	94.00000	40.20000	0.091720	37.560	-0.0034722	-0.49885	3.2981E-6	!
48.00000	94.00000	40.20000	0.088966	37.560	-0.0031591	-0.47161	3.1205E-6	!
49.00000	94.00000	40.20000	0.086259	37.560	-0.0028777	-0.44618	2.9545E-6	!
50.00000	94.00000	40.20000	0.083603	37.560	-0.0026245	-0.42243	2.7992E-6	!
-10.00000	95.00000	40.20000	0.13351	37.560	-0.021454	-1.5754	10.203E-6	
-9.00000	95.00000	40.20000	0.13349	37.560	-0.024190	-1.6844	10.884E-6	
-8.00000	95.00000	40.20000	0.13306	37.560	-0.027281	-1.8005	11.605E-6	
-7.00000	95.00000	40.20000	0.13218	37.560	-0.030761	-1.9236	12.366E-6	
-6.00000	95.00000	40.20000	0.13085	37.560	-0.034659	-2.0537	13.165E-6	
-5.00000	95.00000	40.20000	0.12908	37.560	-0.038996	-2.1902	13.999E-6	

-4.00000	95.00000	40.20000	0.12688	37.560	-0.043782	-2.3325	14.863E-6	
-3.00000	95.00000	40.20000	0.12427	37.560	-0.049008	-2.4794	15.749E-6	
-2.00000	95.00000	40.20000	0.12132	37.560	-0.054643	-2.6295	16.648E-6	
-1.00000	95.00000	40.20000	0.11809	37.560	-0.060624	-2.7809	17.549E-6	
0.00000	95.00000	40.20000	0.11466	37.560	-0.066853	-2.9313	18.438E-6	
1.00000	95.00000	40.20000	0.11114	37.560	-0.073198	-3.0777	19.299E-6	
2.00000	95.00000	40.20000	0.10765	37.560	-0.079487	-3.2172	20.113E-6	
3.00000	95.00000	40.20000	0.10431	37.560	-0.085523	-3.3463	20.863E-6	
4.00000	95.00000	40.20000	0.10126	37.560	-0.091086	-3.4615	21.528E-6	
5.00000	95.00000	40.20000	0.098627	37.560	-0.095953	-3.5595	22.091E-6	
6.00000	95.00000	40.20000	0.096519	37.560	-0.099916	-3.6371	22.535E-6	
7.00000	95.00000	40.20000	0.095033	37.560	-0.10280	-3.6918	22.846E-6	
8.00000	95.00000	40.20000	0.094237	37.560	-0.10446	-3.7219	23.015E-6	
9.00000	95.00000	40.20000	0.094166	37.560	-0.10484	-3.7263	23.037E-6	
10.00000	95.00000	40.20000	0.094824	37.560	-0.10391	-3.7049	22.912E-6	
11.00000	95.00000	40.20000	0.096177	37.560	-0.10175	-3.6586	22.642E-6	
12.00000	95.00000	40.20000	0.098163	37.560	-0.098451	-3.5889	22.239E-6	
13.00000	95.00000	40.20000	0.10069	37.560	-0.094186	-3.4984	21.714E-6	
14.00000	95.00000	40.20000	0.10365	37.560	-0.089151	-3.3900	21.084E-6	
15.00000	95.00000	40.20000	0.10691	37.560	-0.083559	-3.2669	20.367E-6	
16.00000	95.00000	40.20000	0.11034	37.560	-0.077625	-3.1327	19.580E-6	
17.00000	95.00000	40.20000	0.11383	37.560	-0.071548	-2.9906	18.744E-6	
18.00000	95.00000	40.20000	0.11724	37.560	-0.065501	-2.8438	17.876E-6	
19.00000	95.00000	40.20000	0.12047	37.560	-0.059624	-2.6952	16.991E-6	
20.00000	95.00000	40.20000	0.12344	37.560	-0.054022	-2.5472	16.105E-6	
21.00000	95.00000	40.20000	0.12608	37.560	-0.048765	-2.4017	15.229E-6	
22.00000	95.00000	40.20000	0.12833	37.560	-0.043896	-2.2602	14.372E-6	
23.00000	95.00000	40.20000	0.13016	37.560	-0.039432	-2.1239	13.542E-6	
24.00000	95.00000	40.20000	0.13155	37.560	-0.035370	-1.9935	12.744E-6	
25.00000	95.00000	40.20000	0.13250	37.560	-0.031698	-1.8696	11.982E-6	
26.00000	95.00000	40.20000	0.13302	37.560	-0.028394	-1.7525	11.258E-6	
27.00000	95.00000	40.20000	0.13312	37.560	-0.025430	-1.6420	10.572E-6	
28.00000	95.00000	40.20000	0.13282	37.560	-0.022779	-1.5383	9.9258E-6	
29.00000	95.00000	40.20000	0.13215	37.560	-0.020410	-1.4412	9.3177E-6	
30.00000	95.00000	40.20000	0.13115	37.560	-0.018296	-1.3503	8.7469E-6	
31.00000	95.00000	40.20000	0.12984	37.560	-0.016410	-1.2654	8.2121E-6	
32.00000	95.00000	40.20000	0.12826	37.560	-0.014729	-1.1863	7.7117E-6	
33.00000	95.00000	40.20000	0.12643	37.560	-0.013230	-1.1125	7.2440E-6	
34.00000	95.00000	40.20000	0.12440	37.560	-0.011893	-1.0438	6.8071E-6	
35.00000	95.00000	40.20000	0.12218	37.560	-0.010700	-0.97982	6.3993E-6	
36.00000	95.00000	40.20000	0.11982	37.560	-0.0096360	-0.92026	6.0187E-6	
37.00000	95.00000	40.20000	0.11733	37.560	-0.0086857	-0.86481	5.6635E-6	
38.00000	95.00000	40.20000	0.11474	37.560	-0.0078367	-0.81320	5.3322E-6	
39.00000	95.00000	40.20000	0.11207	37.560	-0.0070777	-0.76514	5.0230E-6	
40.00000	95.00000	40.20000	0.10934	37.560	-0.0063987	-0.72038	4.7346E-6	
41.00000	95.00000	40.20000	0.10658	37.560	-0.0057909	-0.67868	4.4653E-6	!
42.00000	95.00000	40.20000	0.10379	37.560	-0.0052464	-0.63982	4.2140E-6	!
43.00000	95.00000	40.20000	0.10099	37.560	-0.0047581	-0.60359	3.9792E-6	!
44.00000	95.00000	40.20000	0.098199	37.560	-0.0043200	-0.56980	3.7599E-6	!
45.00000	95.00000	40.20000	0.095420	37.560	-0.0039265	-0.53826	3.5549E-6	!
46.00000	95.00000	40.20000	0.092666	37.560	-0.0035727	-0.50882	3.3633E-6	!
47.00000	95.00000	40.20000	0.089944	37.560	-0.0032544	-0.48131	3.1840E-6	!
48.00000	95.00000	40.20000	0.087262	37.560	-0.0029677	-0.45560	3.0162E-6	!
49.00000	95.00000	40.20000	0.084626	37.560	-0.0027093	-0.43155	2.8590E-6	!

50.00000	95.00000	40.20000	0.082041	37.560	-0.0024761	-0.40904	2.7118E-6	!
-10.00000	96.00000	40.20000	0.13238	37.560	-0.018763	-1.4569	9.4575E-6	
-9.00000	96.00000	40.20000	0.13277	37.560	-0.021008	-1.5520	10.054E-6	
-8.00000	96.00000	40.20000	0.13281	37.560	-0.023517	-1.6525	10.682E-6	
-7.00000	96.00000	40.20000	0.13248	37.560	-0.026311	-1.7584	11.340E-6	
-6.00000	96.00000	40.20000	0.13178	37.560	-0.029403	-1.8694	12.027E-6	
-5.00000	96.00000	40.20000	0.13073	37.560	-0.032802	-1.9850	12.739E-6	
-4.00000	96.00000	40.20000	0.12932	37.560	-0.036506	-2.1045	13.470E-6	
-3.00000	96.00000	40.20000	0.12759	37.560	-0.040500	-2.2269	14.216E-6	
-2.00000	96.00000	40.20000	0.12557	37.560	-0.044752	-2.3509	14.967E-6	
-1.00000	96.00000	40.20000	0.12333	37.560	-0.049211	-2.4750	15.715E-6	
0.00000	96.00000	40.20000	0.12093	37.560	-0.053801	-2.5973	16.448E-6	
1.00000	96.00000	40.20000	0.11844	37.560	-0.058425	-2.7155	17.152E-6	
2.00000	96.00000	40.20000	0.11596	37.560	-0.062965	-2.8274	17.816E-6	
3.00000	96.00000	40.20000	0.11359	37.560	-0.067285	-2.9302	18.423E-6	
4.00000	96.00000	40.20000	0.11141	37.560	-0.071238	-3.0216	18.959E-6	
5.00000	96.00000	40.20000	0.10953	37.560	-0.074680	-3.0989	19.412E-6	
6.00000	96.00000	40.20000	0.10802	37.560	-0.077475	-3.1600	19.768E-6	
7.00000	96.00000	40.20000	0.10695	37.560	-0.079506	-3.2031	20.018E-6	
8.00000	96.00000	40.20000	0.10638	37.560	-0.080690	-3.2268	20.154E-6	
9.00000	96.00000	40.20000	0.10633	37.560	-0.080977	-3.2304	20.172E-6	
10.00000	96.00000	40.20000	0.10680	37.560	-0.080361	-3.2139	20.073E-6	
11.00000	96.00000	40.20000	0.10777	37.560	-0.078877	-3.1779	19.860E-6	
12.00000	96.00000	40.20000	0.10918	37.560	-0.076596	-3.1234	19.539E-6	
13.00000	96.00000	40.20000	0.11099	37.560	-0.073623	-3.0524	19.119E-6	
14.00000	96.00000	40.20000	0.11309	37.560	-0.070085	-2.9668	18.613E-6	
15.00000	96.00000	40.20000	0.11541	37.560	-0.066120	-2.8691	18.033E-6	
16.00000	96.00000	40.20000	0.11785	37.560	-0.061872	-2.7618	17.395E-6	
17.00000	96.00000	40.20000	0.12031	37.560	-0.057475	-2.6474	16.712E-6	
18.00000	96.00000	40.20000	0.12271	37.560	-0.053049	-2.5284	15.998E-6	
19.00000	96.00000	40.20000	0.12495	37.560	-0.048694	-2.4069	15.266E-6	
20.00000	96.00000	40.20000	0.12698	37.560	-0.044491	-2.2849	14.527E-6	
21.00000	96.00000	40.20000	0.12875	37.560	-0.040497	-2.1639	13.791E-6	
22.00000	96.00000	40.20000	0.13019	37.560	-0.036749	-2.0453	13.066E-6	
23.00000	96.00000	40.20000	0.13130	37.560	-0.033270	-1.9302	12.359E-6	
24.00000	96.00000	40.20000	0.13205	37.560	-0.030067	-1.8192	11.674E-6	
25.00000	96.00000	40.20000	0.13244	37.560	-0.027138	-1.7129	11.016E-6	
26.00000	96.00000	40.20000	0.13248	37.560	-0.024473	-1.6116	10.386E-6	
27.00000	96.00000	40.20000	0.13216	37.560	-0.022058	-1.5155	9.7861E-6	
28.00000	96.00000	40.20000	0.13152	37.560	-0.019877	-1.4246	9.2169E-6	
29.00000	96.00000	40.20000	0.13057	37.560	-0.017911	-1.3390	8.6785E-6	
30.00000	96.00000	40.20000	0.12934	37.560	-0.016142	-1.2585	8.1705E-6	
31.00000	96.00000	40.20000	0.12785	37.560	-0.014552	-1.1828	7.6921E-6	
32.00000	96.00000	40.20000	0.12613	37.560	-0.013124	-1.1119	7.2423E-6	
33.00000	96.00000	40.20000	0.12420	37.560	-0.011842	-1.0456	6.8200E-6	
34.00000	96.00000	40.20000	0.12210	37.560	-0.010691	-0.98344	6.4239E-6	
35.00000	96.00000	40.20000	0.11985	37.560	-0.0096589	-0.92535	6.0526E-6	
36.00000	96.00000	40.20000	0.11746	37.560	-0.0087323	-0.87106	5.7048E-6	
37.00000	96.00000	40.20000	0.11498	37.560	-0.0079006	-0.82034	5.3791E-6	
38.00000	96.00000	40.20000	0.11241	37.560	-0.0071538	-0.77294	5.0742E-6	
39.00000	96.00000	40.20000	0.10977	37.560	-0.0064829	-0.72867	4.7889E-6	
40.00000	96.00000	40.20000	0.10709	37.560	-0.0058801	-0.68731	4.5218E-6	
41.00000	96.00000	40.20000	0.10437	37.560	-0.0053381	-0.64866	4.2718E-6	!
42.00000	96.00000	40.20000	0.10165	37.560	-0.0048505	-0.61254	4.0378E-6	!

43.00000	96.00000	40.20000	0.098912	37.560	-0.0044116	-0.57877	3.8186E-6	!
44.00000	96.00000	40.20000	0.096187	37.560	-0.0040162	-0.54719	3.6134E-6	!
45.00000	96.00000	40.20000	0.093479	37.560	-0.0036598	-0.51765	3.4212E-6	!
46.00000	96.00000	40.20000	0.090797	37.560	-0.0033383	-0.49001	3.2410E-6	!
47.00000	96.00000	40.20000	0.088149	37.560	-0.0030481	-0.46412	3.0721E-6	!
48.00000	96.00000	40.20000	0.085540	37.560	-0.0027859	-0.43988	2.9137E-6	!
49.00000	96.00000	40.20000	0.082977	37.560	-0.0025488	-0.41716	2.7651E-6	!
50.00000	96.00000	40.20000	0.080463	37.560	-0.0023342	-0.39585	2.6256E-6	!
-10.00000	97.00000	40.20000	0.13089	37.560	-0.016431	-1.3483	8.7713E-6	
-9.00000	97.00000	40.20000	0.13159	37.560	-0.018278	-1.4313	9.2944E-6	
-8.00000	97.00000	40.20000	0.13201	37.560	-0.020322	-1.5185	9.8420E-6	
-7.00000	97.00000	40.20000	0.13212	37.560	-0.022573	-1.6098	10.413E-6	
-6.00000	97.00000	40.20000	0.13193	37.560	-0.025038	-1.7048	11.004E-6	
-5.00000	97.00000	40.20000	0.13144	37.560	-0.027717	-1.8030	11.613E-6	
-4.00000	97.00000	40.20000	0.13066	37.560	-0.030605	-1.9038	12.235E-6	
-3.00000	97.00000	40.20000	0.12962	37.560	-0.033684	-2.0063	12.865E-6	
-2.00000	97.00000	40.20000	0.12834	37.560	-0.036925	-2.1094	13.496E-6	
-1.00000	97.00000	40.20000	0.12688	37.560	-0.040288	-2.2119	14.119E-6	
0.00000	97.00000	40.20000	0.12527	37.560	-0.043714	-2.3121	14.726E-6	
1.00000	97.00000	40.20000	0.12358	37.560	-0.047132	-2.4084	15.307E-6	
2.00000	97.00000	40.20000	0.12188	37.560	-0.050460	-2.4989	15.851E-6	
3.00000	97.00000	40.20000	0.12024	37.560	-0.053603	-2.5818	16.347E-6	
4.00000	97.00000	40.20000	0.11872	37.560	-0.056462	-2.6550	16.783E-6	
5.00000	97.00000	40.20000	0.11741	37.560	-0.058940	-2.7167	17.150E-6	
6.00000	97.00000	40.20000	0.11635	37.560	-0.060947	-2.7654	17.438E-6	
7.00000	97.00000	40.20000	0.11561	37.560	-0.062407	-2.7997	17.640E-6	
8.00000	97.00000	40.20000	0.11521	37.560	-0.063264	-2.8186	17.750E-6	
9.00000	97.00000	40.20000	0.11517	37.560	-0.063487	-2.8216	17.766E-6	
10.00000	97.00000	40.20000	0.11549	37.560	-0.063069	-2.8088	17.688E-6	
11.00000	97.00000	40.20000	0.11617	37.560	-0.062034	-2.7803	17.517E-6	
12.00000	97.00000	40.20000	0.11716	37.560	-0.060427	-2.7373	17.259E-6	
13.00000	97.00000	40.20000	0.11841	37.560	-0.058318	-2.6808	16.920E-6	
14.00000	97.00000	40.20000	0.11988	37.560	-0.055788	-2.6125	16.511E-6	
15.00000	97.00000	40.20000	0.12148	37.560	-0.052932	-2.5342	16.039E-6	
16.00000	97.00000	40.20000	0.12316	37.560	-0.049844	-2.4476	15.517E-6	
17.00000	97.00000	40.20000	0.12483	37.560	-0.046616	-2.3547	14.955E-6	
18.00000	97.00000	40.20000	0.12643	37.560	-0.043334	-2.2574	14.365E-6	
19.00000	97.00000	40.20000	0.12791	37.560	-0.040070	-2.1574	13.756E-6	
20.00000	97.00000	40.20000	0.12921	37.560	-0.036884	-2.0562	13.137E-6	
21.00000	97.00000	40.20000	0.13028	37.560	-0.033822	-1.9551	12.516E-6	
22.00000	97.00000	40.20000	0.13109	37.560	-0.030916	-1.8553	11.901E-6	
23.00000	97.00000	40.20000	0.13162	37.560	-0.028188	-1.7576	11.297E-6	
24.00000	97.00000	40.20000	0.13186	37.560	-0.025649	-1.6628	10.708E-6	
25.00000	97.00000	40.20000	0.13180	37.560	-0.023302	-1.5714	10.138E-6	
26.00000	97.00000	40.20000	0.13145	37.560	-0.021145	-1.4837	9.5897E-6	
27.00000	97.00000	40.20000	0.13080	37.560	-0.019173	-1.3999	9.0642E-6	
28.00000	97.00000	40.20000	0.12989	37.560	-0.017375	-1.3203	8.5628E-6	
29.00000	97.00000	40.20000	0.12871	37.560	-0.015740	-1.2447	8.0859E-6	
30.00000	97.00000	40.20000	0.12730	37.560	-0.014258	-1.1733	7.6336E-6	
31.00000	97.00000	40.20000	0.12567	37.560	-0.012916	-1.1059	7.2057E-6	
32.00000	97.00000	40.20000	0.12384	37.560	-0.011702	-1.0424	6.8015E-6	
33.00000	97.00000	40.20000	0.12184	37.560	-0.010605	-0.98265	6.4203E-6	
34.00000	97.00000	40.20000	0.11969	37.560	-0.0096150	-0.92651	6.0613E-6	
35.00000	97.00000	40.20000	0.11742	37.560	-0.0087212	-0.87380	5.7235E-6	

36.00000	97.00000	40.20000	0.11504	37.560	-0.0079145	-0.82434	5.4058E-6	
37.00000	97.00000	40.20000	0.11256	37.560	-0.0071867	-0.77796	5.1074E-6	
38.00000	97.00000	40.20000	0.11002	37.560	-0.0065300	-0.73447	4.8271E-6	
39.00000	97.00000	40.20000	0.10743	37.560	-0.0059373	-0.69371	4.5639E-6	
40.00000	97.00000	40.20000	0.10480	37.560	-0.0054022	-0.65552	4.3168E-6	
41.00000	97.00000	40.20000	0.10214	37.560	-0.0049192	-0.61972	4.0849E-6	!
42.00000	97.00000	40.20000	0.099474	37.560	-0.0044828	-0.58617	3.8672E-6	!
43.00000	97.00000	40.20000	0.096809	37.560	-0.0040885	-0.55472	3.6628E-6	!
44.00000	97.00000	40.20000	0.094155	37.560	-0.0037320	-0.52524	3.4710E-6	!
45.00000	97.00000	40.20000	0.091520	37.560	-0.0034095	-0.49760	3.2908E-6	!
46.00000	97.00000	40.20000	0.088912	37.560	-0.0031176	-0.47166	3.1216E-6	!
47.00000	97.00000	40.20000	0.086338	37.560	-0.0028532	-0.44733	2.9627E-6	!
48.00000	97.00000	40.20000	0.083804	37.560	-0.0026136	-0.42449	2.8133E-6	!
49.00000	97.00000	40.20000	0.081314	37.560	-0.0023962	-0.40304	2.6729E-6	!
50.00000	97.00000	40.20000	0.078872	37.560	-0.0021990	-0.38289	2.5408E-6	!
-10.00000	98.00000	40.20000	0.12906	37.560	-0.014412	-1.2488	8.1405E-6	
-9.00000	98.00000	40.20000	0.13002	37.560	-0.015935	-1.3214	8.5999E-6	
-8.00000	98.00000	40.20000	0.13073	37.560	-0.017604	-1.3973	9.0782E-6	
-7.00000	98.00000	40.20000	0.13119	37.560	-0.019426	-1.4761	9.5738E-6	
-6.00000	98.00000	40.20000	0.13140	37.560	-0.021401	-1.5577	10.085E-6	
-5.00000	98.00000	40.20000	0.13136	37.560	-0.023527	-1.6415	10.607E-6	
-4.00000	98.00000	40.20000	0.13108	37.560	-0.025794	-1.7269	11.138E-6	
-3.00000	98.00000	40.20000	0.13058	37.560	-0.028187	-1.8131	11.672E-6	
-2.00000	98.00000	40.20000	0.12988	37.560	-0.030682	-1.8994	12.204E-6	
-1.00000	98.00000	40.20000	0.12901	37.560	-0.033245	-1.9845	12.726E-6	
0.00000	98.00000	40.20000	0.12802	37.560	-0.035833	-2.0672	13.233E-6	
1.00000	98.00000	40.20000	0.12694	37.560	-0.038393	-2.1463	13.715E-6	
2.00000	98.00000	40.20000	0.12584	37.560	-0.040867	-2.2202	14.164E-6	
3.00000	98.00000	40.20000	0.12476	37.560	-0.043188	-2.2875	14.571E-6	
4.00000	98.00000	40.20000	0.12375	37.560	-0.045288	-2.3468	14.929E-6	
5.00000	98.00000	40.20000	0.12287	37.560	-0.047102	-2.3966	15.229E-6	
6.00000	98.00000	40.20000	0.12215	37.560	-0.048568	-2.4358	15.464E-6	
7.00000	98.00000	40.20000	0.12165	37.560	-0.049635	-2.4634	15.628E-6	
8.00000	98.00000	40.20000	0.12138	37.560	-0.050267	-2.4787	15.719E-6	
9.00000	98.00000	40.20000	0.12135	37.560	-0.050441	-2.4812	15.732E-6	
10.00000	98.00000	40.20000	0.12157	37.560	-0.050153	-2.4711	15.669E-6	
11.00000	98.00000	40.20000	0.12202	37.560	-0.049419	-2.4484	15.531E-6	
12.00000	98.00000	40.20000	0.12269	37.560	-0.048269	-2.4140	15.322E-6	
13.00000	98.00000	40.20000	0.12353	37.560	-0.046748	-2.3687	15.047E-6	
14.00000	98.00000	40.20000	0.12451	37.560	-0.044911	-2.3136	14.713E-6	
15.00000	98.00000	40.20000	0.12556	37.560	-0.042822	-2.2502	14.326E-6	
16.00000	98.00000	40.20000	0.12665	37.560	-0.040545	-2.1797	13.897E-6	
17.00000	98.00000	40.20000	0.12772	37.560	-0.038146	-2.1037	13.432E-6	
18.00000	98.00000	40.20000	0.12871	37.560	-0.035683	-2.0235	12.941E-6	
19.00000	98.00000	40.20000	0.12959	37.560	-0.033210	-1.9406	12.431E-6	
20.00000	98.00000	40.20000	0.13031	37.560	-0.030771	-1.8562	11.910E-6	
21.00000	98.00000	40.20000	0.13084	37.560	-0.028403	-1.7713	11.385E-6	
22.00000	98.00000	40.20000	0.13116	37.560	-0.026134	-1.6869	10.861E-6	
23.00000	98.00000	40.20000	0.13124	37.560	-0.023981	-1.6037	10.343E-6	
24.00000	98.00000	40.20000	0.13107	37.560	-0.021957	-1.5225	9.8354E-6	
25.00000	98.00000	40.20000	0.13066	37.560	-0.020069	-1.4436	9.3412E-6	
26.00000	98.00000	40.20000	0.12999	37.560	-0.018317	-1.3675	8.8627E-6	
27.00000	98.00000	40.20000	0.12909	37.560	-0.016701	-1.2944	8.4018E-6	
28.00000	98.00000	40.20000	0.12795	37.560	-0.015215	-1.2245	7.9597E-6	

29.00000	98.00000	40.20000	0.12660	37.560	-0.013854	-1.1578	7.5371E-6	
30.00000	98.00000	40.20000	0.12505	37.560	-0.012610	-1.0944	7.1343E-6	
31.00000	98.00000	40.20000	0.12332	37.560	-0.011476	-1.0343	6.7514E-6	
32.00000	98.00000	40.20000	0.12142	37.560	-0.010443	-0.97741	6.3882E-6	
33.00000	98.00000	40.20000	0.11937	37.560	-0.0095045	-0.92365	6.0442E-6	
34.00000	98.00000	40.20000	0.11720	37.560	-0.0086516	-0.87291	5.7189E-6	
35.00000	98.00000	40.20000	0.11492	37.560	-0.0078775	-0.82508	5.4116E-6	
36.00000	98.00000	40.20000	0.11254	37.560	-0.0071752	-0.78004	5.1217E-6	
37.00000	98.00000	40.20000	0.11010	37.560	-0.0065383	-0.73765	4.8483E-6	
38.00000	98.00000	40.20000	0.10760	37.560	-0.0059608	-0.69777	4.5908E-6	
39.00000	98.00000	40.20000	0.10505	37.560	-0.0054372	-0.66027	4.3482E-6	
40.00000	98.00000	40.20000	0.10247	37.560	-0.0049625	-0.62501	4.1197E-6	
41.00000	98.00000	40.20000	0.099882	37.560	-0.0045322	-0.59188	3.9047E-6	!
42.00000	98.00000	40.20000	0.097283	37.560	-0.0041418	-0.56074	3.7024E-6	!
43.00000	98.00000	40.20000	0.094689	37.560	-0.0037878	-0.53148	3.5120E-6	!
44.00000	98.00000	40.20000	0.092108	37.560	-0.0034665	-0.50397	3.3327E-6	!
45.00000	98.00000	40.20000	0.089548	37.560	-0.0031748	-0.47812	3.1641E-6	!
46.00000	98.00000	40.20000	0.087015	37.560	-0.0029100	-0.45381	3.0053E-6	!
47.00000	98.00000	40.20000	0.084517	37.560	-0.0026693	-0.43095	2.8558E-6	!
48.00000	98.00000	40.20000	0.082058	37.560	-0.0024505	-0.40945	2.7151E-6	!
49.00000	98.00000	40.20000	0.079641	37.560	-0.0022515	-0.38922	2.5825E-6	!
50.00000	98.00000	40.20000	0.077272	37.560	-0.0020703	-0.37018	2.4576E-6	!
-10.00000	99.00000	40.20000	0.12695	37.560	-0.012663	-1.1578	7.5610E-6	
-9.00000	99.00000	40.20000	0.12810	37.560	-0.013922	-1.2214	7.9650E-6	
-8.00000	99.00000	40.20000	0.12905	37.560	-0.015291	-1.2875	8.3835E-6	
-7.00000	99.00000	40.20000	0.12978	37.560	-0.016771	-1.3558	8.8149E-6	
-6.00000	99.00000	40.20000	0.13031	37.560	-0.018362	-1.4260	9.2569E-6	
-5.00000	99.00000	40.20000	0.13062	37.560	-0.020058	-1.4977	9.7068E-6	
-4.00000	99.00000	40.20000	0.13072	37.560	-0.021851	-1.5704	10.161E-6	
-3.00000	99.00000	40.20000	0.13064	37.560	-0.023726	-1.6434	10.616E-6	
-2.00000	99.00000	40.20000	0.13038	37.560	-0.025663	-1.7159	11.066E-6	
-1.00000	99.00000	40.20000	0.12998	37.560	-0.027636	-1.7870	11.507E-6	
0.00000	99.00000	40.20000	0.12946	37.560	-0.029613	-1.8558	11.931E-6	
1.00000	99.00000	40.20000	0.12886	37.560	-0.031554	-1.9212	12.333E-6	
2.00000	99.00000	40.20000	0.12821	37.560	-0.033417	-1.9821	12.707E-6	
3.00000	99.00000	40.20000	0.12755	37.560	-0.035155	-2.0373	13.044E-6	
4.00000	99.00000	40.20000	0.12693	37.560	-0.036720	-2.0857	13.339E-6	
5.00000	99.00000	40.20000	0.12638	37.560	-0.038067	-2.1263	13.586E-6	
6.00000	99.00000	40.20000	0.12592	37.560	-0.039154	-2.1582	13.779E-6	
7.00000	99.00000	40.20000	0.12560	37.560	-0.039947	-2.1806	13.915E-6	
8.00000	99.00000	40.20000	0.12542	37.560	-0.040419	-2.1930	13.989E-6	
9.00000	99.00000	40.20000	0.12541	37.560	-0.040557	-2.1952	14.001E-6	
10.00000	99.00000	40.20000	0.12555	37.560	-0.040356	-2.1871	13.950E-6	
11.00000	99.00000	40.20000	0.12584	37.560	-0.039828	-2.1689	13.838E-6	
12.00000	99.00000	40.20000	0.12626	37.560	-0.038992	-2.1411	13.667E-6	
13.00000	99.00000	40.20000	0.12678	37.560	-0.037879	-2.1043	13.442E-6	
14.00000	99.00000	40.20000	0.12739	37.560	-0.036526	-2.0595	13.167E-6	
15.00000	99.00000	40.20000	0.12803	37.560	-0.034977	-2.0077	12.848E-6	
16.00000	99.00000	40.20000	0.12867	37.560	-0.033277	-1.9498	12.492E-6	
17.00000	99.00000	40.20000	0.12927	37.560	-0.031470	-1.8871	12.105E-6	
18.00000	99.00000	40.20000	0.12980	37.560	-0.029601	-1.8207	11.694E-6	
19.00000	99.00000	40.20000	0.13022	37.560	-0.027708	-1.7515	11.265E-6	
20.00000	99.00000	40.20000	0.13049	37.560	-0.025825	-1.6807	10.825E-6	
21.00000	99.00000	40.20000	0.13060	37.560	-0.023979	-1.6090	10.379E-6	



22.00000	99.00000	40.20000	0.13053	37.560	-0.022194	-1.5373	9.9307E-6	
23.00000	99.00000	40.20000	0.13025	37.560	-0.020485	-1.4663	9.4856E-6	
24.00000	99.00000	40.20000	0.12977	37.560	-0.018863	-1.3964	9.0469E-6	
25.00000	99.00000	40.20000	0.12908	37.560	-0.017337	-1.3282	8.6173E-6	
26.00000	99.00000	40.20000	0.12817	37.560	-0.015909	-1.2620	8.1993E-6	
27.00000	99.00000	40.20000	0.12707	37.560	-0.014581	-1.1981	7.7945E-6	
28.00000	99.00000	40.20000	0.12577	37.560	-0.013350	-1.1366	7.4043E-6	
29.00000	99.00000	40.20000	0.12429	37.560	-0.012214	-1.0777	7.0294E-6	
30.00000	99.00000	40.20000	0.12263	37.560	-0.011168	-1.0214	6.6705E-6	
31.00000	99.00000	40.20000	0.12082	37.560	-0.010208	-0.96775	6.3278E-6	
32.00000	99.00000	40.20000	0.11887	37.560	-0.0093290	-0.91676	6.0012E-6	
33.00000	99.00000	40.20000	0.11680	37.560	-0.0085246	-0.86837	5.6908E-6	
34.00000	99.00000	40.20000	0.11462	37.560	-0.0077896	-0.82251	5.3960E-6	
35.00000	99.00000	40.20000	0.11235	37.560	-0.0071188	-0.77912	5.1166E-6	
36.00000	99.00000	40.20000	0.11000	37.560	-0.0065072	-0.73810	4.8521E-6	
37.00000	99.00000	40.20000	0.10759	37.560	-0.0059497	-0.69937	4.6018E-6	
38.00000	99.00000	40.20000	0.10514	37.560	-0.0054419	-0.66280	4.3652E-6	
39.00000	99.00000	40.20000	0.10265	37.560	-0.0049795	-0.62831	4.1417E-6	
40.00000	99.00000	40.20000	0.10013	37.560	-0.0045584	-0.59580	3.9306E-6	
41.00000	99.00000	40.20000	0.097606	37.560	-0.0041751	-0.56514	3.7314E-6	!
42.00000	99.00000	40.20000	0.095078	37.560	-0.0038261	-0.53626	3.5435E-6	!
43.00000	99.00000	40.20000	0.092557	37.560	-0.0035083	-0.50904	3.3661E-6	!
44.00000	99.00000	40.20000	0.090051	37.560	-0.0032189	-0.48340	3.1988E-6	!
45.00000	99.00000	40.20000	0.087567	37.560	-0.0029553	-0.45923	3.0410E-6	!
46.00000	99.00000	40.20000	0.085111	37.560	-0.0027151	-0.43646	2.8921E-6	!
47.00000	99.00000	40.20000	0.082689	37.560	-0.0024961	-0.41501	2.7517E-6	!
48.00000	99.00000	40.20000	0.080305	37.560	-0.0022965	-0.39478	2.6192E-6	!
49.00000	99.00000	40.20000	0.077963	37.560	-0.0021144	-0.37571	2.4941E-6	!
50.00000	99.00000	40.20000	0.075666	37.560	-0.0019481	-0.35773	2.3760E-6	!
-10.00000	100.00000	40.20000	0.12460	37.560	-0.011147	-1.0744	7.0288E-6	
-9.00000	100.00000	40.20000	0.12590	37.560	-0.012191	-1.1302	7.3847E-6	
-8.00000	100.00000	40.20000	0.12702	37.560	-0.013317	-1.1879	7.7516E-6	
-7.00000	100.00000	40.20000	0.12797	37.560	-0.014525	-1.2473	8.1278E-6	
-6.00000	100.00000	40.20000	0.12873	37.560	-0.015813	-1.3080	8.5114E-6	
-5.00000	100.00000	40.20000	0.12931	37.560	-0.017174	-1.3696	8.8999E-6	
-4.00000	100.00000	40.20000	0.12971	37.560	-0.018601	-1.4317	9.2903E-6	
-3.00000	100.00000	40.20000	0.12995	37.560	-0.020082	-1.4937	9.6790E-6	
-2.00000	100.00000	40.20000	0.13004	37.560	-0.021599	-1.5550	10.062E-6	
-1.00000	100.00000	40.20000	0.12999	37.560	-0.023133	-1.6148	10.435E-6	
0.00000	100.00000	40.20000	0.12983	37.560	-0.024658	-1.6724	10.793E-6	
1.00000	100.00000	40.20000	0.12959	37.560	-0.026146	-1.7268	11.131E-6	
2.00000	100.00000	40.20000	0.12929	37.560	-0.027566	-1.7773	11.443E-6	
3.00000	100.00000	40.20000	0.12896	37.560	-0.028883	-1.8229	11.724E-6	
4.00000	100.00000	40.20000	0.12863	37.560	-0.030065	-1.8628	11.969E-6	
5.00000	100.00000	40.20000	0.12832	37.560	-0.031080	-1.8962	12.174E-6	
6.00000	100.00000	40.20000	0.12806	37.560	-0.031897	-1.9224	12.334E-6	
7.00000	100.00000	40.20000	0.12788	37.560	-0.032494	-1.9408	12.446E-6	
8.00000	100.00000	40.20000	0.12778	37.560	-0.032852	-1.9510	12.508E-6	
9.00000	100.00000	40.20000	0.12777	37.560	-0.032962	-1.9529	12.518E-6	
10.00000	100.00000	40.20000	0.12785	37.560	-0.032821	-1.9463	12.477E-6	
11.00000	100.00000	40.20000	0.12801	37.560	-0.032435	-1.9315	12.385E-6	
12.00000	100.00000	40.20000	0.12825	37.560	-0.031819	-1.9089	12.245E-6	
13.00000	100.00000	40.20000	0.12854	37.560	-0.030993	-1.8788	12.058E-6	
14.00000	100.00000	40.20000	0.12886	37.560	-0.029983	-1.8421	11.831E-6	

15.00000	100.00000	40.20000	0.12918	37.560	-0.028820	-1.7994	11.566E-6	
16.00000	100.00000	40.20000	0.12949	37.560	-0.027535	-1.7515	11.269E-6	
17.00000	100.00000	40.20000	0.12973	37.560	-0.026160	-1.6994	10.945E-6	
18.00000	100.00000	40.20000	0.12990	37.560	-0.024727	-1.6439	10.599E-6	
19.00000	100.00000	40.20000	0.12996	37.560	-0.023264	-1.5859	10.237E-6	
20.00000	100.00000	40.20000	0.12990	37.560	-0.021797	-1.5261	9.8632E-6	
21.00000	100.00000	40.20000	0.12969	37.560	-0.020348	-1.4653	9.4821E-6	
22.00000	100.00000	40.20000	0.12931	37.560	-0.018933	-1.4042	9.0979E-6	
23.00000	100.00000	40.20000	0.12876	37.560	-0.017568	-1.3433	8.7142E-6	
24.00000	100.00000	40.20000	0.12804	37.560	-0.016262	-1.2830	8.3339E-6	
25.00000	100.00000	40.20000	0.12713	37.560	-0.015023	-1.2239	7.9598E-6	
26.00000	100.00000	40.20000	0.12605	37.560	-0.013854	-1.1662	7.5938E-6	
27.00000	100.00000	40.20000	0.12479	37.560	-0.012759	-1.1102	7.2377E-6	
28.00000	100.00000	40.20000	0.12337	37.560	-0.011737	-1.0560	6.8928E-6	
29.00000	100.00000	40.20000	0.12179	37.560	-0.010786	-1.0039	6.5600E-6	
30.00000	100.00000	40.20000	0.12007	37.560	-0.0099058	-0.95384	6.2399E-6	
31.00000	100.00000	40.20000	0.11821	37.560	-0.0090923	-0.90594	5.9330E-6	
32.00000	100.00000	40.20000	0.11624	37.560	-0.0083423	-0.86021	5.6394E-6	
33.00000	100.00000	40.20000	0.11416	37.560	-0.0076523	-0.81663	5.3591E-6	
34.00000	100.00000	40.20000	0.11199	37.560	-0.0070185	-0.77518	5.0920E-6	
35.00000	100.00000	40.20000	0.10974	37.560	-0.0064369	-0.73581	4.8380E-6	
36.00000	100.00000	40.20000	0.10742	37.560	-0.0059040	-0.69846	4.5966E-6	
37.00000	100.00000	40.20000	0.10506	37.560	-0.0054159	-0.66306	4.3675E-6	
38.00000	100.00000	40.20000	0.10266	37.560	-0.0049693	-0.62955	4.1502E-6	
39.00000	100.00000	40.20000	0.10023	37.560	-0.0045608	-0.59784	3.9444E-6	
40.00000	100.00000	40.20000	0.097777	37.560	-0.0041873	-0.56785	3.7495E-6	
41.00000	100.00000	40.20000	0.095321	37.560	-0.0038460	-0.53951	3.5650E-6	!
42.00000	100.00000	40.20000	0.092866	37.560	-0.0035340	-0.51273	3.3905E-6	!
43.00000	100.00000	40.20000	0.090420	37.560	-0.0032488	-0.48743	3.2254E-6	!
44.00000	100.00000	40.20000	0.087990	37.560	-0.0029883	-0.46353	3.0693E-6	!
45.00000	100.00000	40.20000	0.085583	37.560	-0.0027501	-0.44096	2.9218E-6	!
46.00000	100.00000	40.20000	0.083204	37.560	-0.0025324	-0.41965	2.7823E-6	!
47.00000	100.00000	40.20000	0.080858	37.560	-0.0023333	-0.39952	2.6504E-6	!
48.00000	100.00000	40.20000	0.078550	37.560	-0.0021513	-0.38050	2.5257E-6	!
49.00000	100.00000	40.20000	0.076282	37.560	-0.0019847	-0.36254	2.4078E-6	!
50.00000	100.00000	40.20000	0.074058	37.560	-0.0018323	-0.34558	2.2963E-6	!

Grid formation    -10.00000    40.00000 46.00000 0.12529 45.958    0.0 0.0 0.0

-9.00000	40.00000	46.00000	0.12538	45.958	0.0	0.0	0.0
-8.00000	40.00000	46.00000	0.12514	45.958	0.0	0.0	0.0
-7.00000	40.00000	46.00000	0.12455	45.958	0.0	0.0	0.0
-6.00000	40.00000	46.00000	0.12362	45.958	0.0	0.0	0.0
-5.00000	40.00000	46.00000	0.12235	45.958	0.0	0.0	0.0
-4.00000	40.00000	46.00000	0.12077	45.958	0.0	0.0	0.0
-3.00000	40.00000	46.00000	0.11891	45.958	0.0	0.0	0.0
-2.00000	40.00000	46.00000	0.11683	45.958	0.0	0.0	0.0
-1.00000	40.00000	46.00000	0.11457	45.958	0.0	0.0	0.0
0.00000	40.00000	46.00000	0.11223	45.958	0.0	0.0	0.0
1.00000	40.00000	46.00000	0.10989	45.958	0.0	0.0	0.0
2.00000	40.00000	46.00000	0.10763	45.958	0.0	0.0	0.0
3.00000	40.00000	46.00000	0.10555	45.958	0.0	0.0	0.0
4.00000	40.00000	46.00000	0.10374	45.958	0.0	0.0	0.0
5.00000	40.00000	46.00000	0.10227	45.958	0.0	0.0	0.0
6.00000	40.00000	46.00000	0.10122	45.958	0.0	0.0	0.0
7.00000	40.00000	46.00000	0.10063	45.958	0.0	0.0	0.0

8.00000	40.00000	46.00000	0.10052	45.958	0.0	0.0	0.0
9.00000	40.00000	46.00000	0.10089	45.958	0.0	0.0	0.0
10.00000	40.00000	46.00000	0.10171	45.958	0.0	0.0	0.0
11.00000	40.00000	46.00000	0.10296	45.958	0.0	0.0	0.0
12.00000	40.00000	46.00000	0.10457	45.958	0.0	0.0	0.0
13.00000	40.00000	46.00000	0.10648	45.958	0.0	0.0	0.0
14.00000	40.00000	46.00000	0.10861	45.958	0.0	0.0	0.0
15.00000	40.00000	46.00000	0.11088	45.958	0.0	0.0	0.0
16.00000	40.00000	46.00000	0.11321	45.958	0.0	0.0	0.0
17.00000	40.00000	46.00000	0.11553	45.958	0.0	0.0	0.0
18.00000	40.00000	46.00000	0.11776	45.958	0.0	0.0	0.0
19.00000	40.00000	46.00000	0.11984	45.958	0.0	0.0	0.0
20.00000	40.00000	46.00000	0.12171	45.958	0.0	0.0	0.0
21.00000	40.00000	46.00000	0.12333	45.958	0.0	0.0	0.0
22.00000	40.00000	46.00000	0.12467	45.958	0.0	0.0	0.0
23.00000	40.00000	46.00000	0.12570	45.958	0.0	0.0	0.0
24.00000	40.00000	46.00000	0.12642	45.958	0.0	0.0	0.0
25.00000	40.00000	46.00000	0.12680	45.958	0.0	0.0	0.0
26.00000	40.00000	46.00000	0.12687	45.958	0.0	0.0	0.0
27.00000	40.00000	46.00000	0.12662	45.958	0.0	0.0	0.0
28.00000	40.00000	46.00000	0.12607	45.958	0.0	0.0	0.0
29.00000	40.00000	46.00000	0.12524	45.958	0.0	0.0	0.0
30.00000	40.00000	46.00000	0.12414	45.958	0.0	0.0	0.0
31.00000	40.00000	46.00000	0.12280	45.958	0.0	0.0	0.0
32.00000	40.00000	46.00000	0.12124	45.958	0.0	0.0	0.0
33.00000	40.00000	46.00000	0.11949	45.958	0.0	0.0	0.0
34.00000	40.00000	46.00000	0.11757	45.958	0.0	0.0	0.0
35.00000	40.00000	46.00000	0.11550	45.958	0.0	0.0	0.0
36.00000	40.00000	46.00000	0.11331	45.958	0.0	0.0	0.0
37.00000	40.00000	46.00000	0.11101	45.958	0.0	0.0	0.0
38.00000	40.00000	46.00000	0.10862	45.958	0.0	0.0	0.0
39.00000	40.00000	46.00000	0.10617	45.958	0.0	0.0	0.0
40.00000	40.00000	46.00000	0.10366	45.958	0.0	0.0	0.0
41.00000	40.00000	46.00000	0.10112	45.958	0.0	0.0	0.0 !
42.00000	40.00000	46.00000	0.098556	45.958	0.0	0.0	0.0 !
43.00000	40.00000	46.00000	0.095983	45.958	0.0	0.0	0.0 !
44.00000	40.00000	46.00000	0.093410	45.958	0.0	0.0	0.0 !
45.00000	40.00000	46.00000	0.090848	45.958	0.0	0.0	0.0 !
46.00000	40.00000	46.00000	0.088306	45.958	0.0	0.0	0.0 !
47.00000	40.00000	46.00000	0.085791	45.958	0.0	0.0	0.0 !
48.00000	40.00000	46.00000	0.083309	45.958	0.0	0.0	0.0 !
49.00000	40.00000	46.00000	0.080865	45.958	0.0	0.0	0.0 !
50.00000	40.00000	46.00000	0.078464	45.958	0.0	0.0	0.0 !
-10.00000	41.00000	46.00000	0.12601	45.958	0.0	0.0	0.0
-9.00000	41.00000	46.00000	0.12568	45.958	0.0	0.0	0.0
-8.00000	41.00000	46.00000	0.12493	45.958	0.0	0.0	0.0
-7.00000	41.00000	46.00000	0.12375	45.958	0.0	0.0	0.0
-6.00000	41.00000	46.00000	0.12215	45.958	0.0	0.0	0.0
-5.00000	41.00000	46.00000	0.12014	45.958	0.0	0.0	0.0
-4.00000	41.00000	46.00000	0.11774	45.958	0.0	0.0	0.0
-3.00000	41.00000	46.00000	0.11499	45.958	0.0	0.0	0.0
-2.00000	41.00000	46.00000	0.11195	45.958	0.0	0.0	0.0
-1.00000	41.00000	46.00000	0.10871	45.958	0.0	0.0	0.0
0.00000	41.00000	46.00000	0.10536	45.958	0.0	0.0	0.0

1.00000	41.00000	46.00000	0.10201	45.958	0.0	0.0	0.0
2.00000	41.00000	46.00000	0.098806	45.958	0.0	0.0	0.0
3.00000	41.00000	46.00000	0.095860	45.958	0.0	0.0	0.0
4.00000	41.00000	46.00000	0.093298	45.958	0.0	0.0	0.0
5.00000	41.00000	46.00000	0.091231	45.958	0.0	0.0	0.0
6.00000	41.00000	46.00000	0.089746	45.958	0.0	0.0	0.0
7.00000	41.00000	46.00000	0.088903	45.958	0.0	0.0	0.0
8.00000	41.00000	46.00000	0.088732	45.958	0.0	0.0	0.0
9.00000	41.00000	46.00000	0.089231	45.958	0.0	0.0	0.0
10.00000	41.00000	46.00000	0.090369	45.958	0.0	0.0	0.0
11.00000	41.00000	46.00000	0.092089	45.958	0.0	0.0	0.0
12.00000	41.00000	46.00000	0.094313	45.958	0.0	0.0	0.0
13.00000	41.00000	46.00000	0.096950	45.958	0.0	0.0	0.0
14.00000	41.00000	46.00000	0.099897	45.958	0.0	0.0	0.0
15.00000	41.00000	46.00000	0.10305	45.958	0.0	0.0	0.0
16.00000	41.00000	46.00000	0.10630	45.958	0.0	0.0	0.0
17.00000	41.00000	46.00000	0.10954	45.958	0.0	0.0	0.0
18.00000	41.00000	46.00000	0.11269	45.958	0.0	0.0	0.0
19.00000	41.00000	46.00000	0.11566	45.958	0.0	0.0	0.0
20.00000	41.00000	46.00000	0.11838	45.958	0.0	0.0	0.0
21.00000	41.00000	46.00000	0.12080	45.958	0.0	0.0	0.0
22.00000	41.00000	46.00000	0.12287	45.958	0.0	0.0	0.0
23.00000	41.00000	46.00000	0.12456	45.958	0.0	0.0	0.0
24.00000	41.00000	46.00000	0.12587	45.958	0.0	0.0	0.0
25.00000	41.00000	46.00000	0.12678	45.958	0.0	0.0	0.0
26.00000	41.00000	46.00000	0.12730	45.958	0.0	0.0	0.0
27.00000	41.00000	46.00000	0.12744	45.958	0.0	0.0	0.0
28.00000	41.00000	46.00000	0.12722	45.958	0.0	0.0	0.0
29.00000	41.00000	46.00000	0.12667	45.958	0.0	0.0	0.0
30.00000	41.00000	46.00000	0.12580	45.958	0.0	0.0	0.0
31.00000	41.00000	46.00000	0.12464	45.958	0.0	0.0	0.0
32.00000	41.00000	46.00000	0.12323	45.958	0.0	0.0	0.0
33.00000	41.00000	46.00000	0.12158	45.958	0.0	0.0	0.0
34.00000	41.00000	46.00000	0.11974	45.958	0.0	0.0	0.0
35.00000	41.00000	46.00000	0.11772	45.958	0.0	0.0	0.0
36.00000	41.00000	46.00000	0.11555	45.958	0.0	0.0	0.0
37.00000	41.00000	46.00000	0.11325	45.958	0.0	0.0	0.0
38.00000	41.00000	46.00000	0.11085	45.958	0.0	0.0	0.0
39.00000	41.00000	46.00000	0.10838	45.958	0.0	0.0	0.0
40.00000	41.00000	46.00000	0.10583	45.958	0.0	0.0	0.0
41.00000	41.00000	46.00000	0.10325	45.958	0.0	0.0	0.0 !
42.00000	41.00000	46.00000	0.10063	45.958	0.0	0.0	0.0 !
43.00000	41.00000	46.00000	0.098000	45.958	0.0	0.0	0.0 !
44.00000	41.00000	46.00000	0.095365	45.958	0.0	0.0	0.0 !
45.00000	41.00000	46.00000	0.092738	45.958	0.0	0.0	0.0 !
46.00000	41.00000	46.00000	0.090128	45.958	0.0	0.0	0.0 !
47.00000	41.00000	46.00000	0.087545	45.958	0.0	0.0	0.0 !
48.00000	41.00000	46.00000	0.084994	45.958	0.0	0.0	0.0 !
49.00000	41.00000	46.00000	0.082481	45.958	0.0	0.0	0.0 !
50.00000	41.00000	46.00000	0.080013	45.958	0.0	0.0	0.0 !
-10.00000	42.00000	46.00000	0.12628	45.958	0.0	0.0	0.0
-9.00000	42.00000	46.00000	0.12541	45.958	0.0	0.0	0.0
-8.00000	42.00000	46.00000	0.12404	45.958	0.0	0.0	0.0
-7.00000	42.00000	46.00000	0.12214	45.958	0.0	0.0	0.0

-6.00000	42.00000	46.00000	0.11972	45.958	0.0	0.0	0.0
-5.00000	42.00000	46.00000	0.11677	45.958	0.0	0.0	0.0
-4.00000	42.00000	46.00000	0.11333	45.958	0.0	0.0	0.0
-3.00000	42.00000	46.00000	0.10944	45.958	0.0	0.0	0.0
-2.00000	42.00000	46.00000	0.10518	45.958	0.0	0.0	0.0
-1.00000	42.00000	46.00000	0.10065	45.958	0.0	0.0	0.0
0.00000	42.00000	46.00000	0.095985	45.958	0.0	0.0	0.0
1.00000	42.00000	46.00000	0.091337	45.958	0.0	0.0	0.0
2.00000	42.00000	46.00000	0.086876	45.958	0.0	0.0	0.0
3.00000	42.00000	46.00000	0.082780	45.958	0.0	0.0	0.0
4.00000	42.00000	46.00000	0.079221	45.958	0.0	0.0	0.0
5.00000	42.00000	46.00000	0.076352	45.958	0.0	0.0	0.0
6.00000	42.00000	46.00000	0.074294	45.958	0.0	0.0	0.0
7.00000	42.00000	46.00000	0.073130	45.958	0.0	0.0	0.0
8.00000	42.00000	46.00000	0.072895	45.958	0.0	0.0	0.0
9.00000	42.00000	46.00000	0.073583	45.958	0.0	0.0	0.0
10.00000	42.00000	46.00000	0.075146	45.958	0.0	0.0	0.0
11.00000	42.00000	46.00000	0.077503	45.958	0.0	0.0	0.0
12.00000	42.00000	46.00000	0.080545	45.958	0.0	0.0	0.0
13.00000	42.00000	46.00000	0.084146	45.958	0.0	0.0	0.0
14.00000	42.00000	46.00000	0.088168	45.958	0.0	0.0	0.0
15.00000	42.00000	46.00000	0.092469	45.958	0.0	0.0	0.0
16.00000	42.00000	46.00000	0.096907	45.958	0.0	0.0	0.0
17.00000	42.00000	46.00000	0.10135	45.958	0.0	0.0	0.0
18.00000	42.00000	46.00000	0.10568	45.958	0.0	0.0	0.0
19.00000	42.00000	46.00000	0.10978	45.958	0.0	0.0	0.0
20.00000	42.00000	46.00000	0.11357	45.958	0.0	0.0	0.0
21.00000	42.00000	46.00000	0.11698	45.958	0.0	0.0	0.0
22.00000	42.00000	46.00000	0.11997	45.958	0.0	0.0	0.0
23.00000	42.00000	46.00000	0.12249	45.958	0.0	0.0	0.0
24.00000	42.00000	46.00000	0.12453	45.958	0.0	0.0	0.0
25.00000	42.00000	46.00000	0.12609	45.958	0.0	0.0	0.0
26.00000	42.00000	46.00000	0.12717	45.958	0.0	0.0	0.0
27.00000	42.00000	46.00000	0.12780	45.958	0.0	0.0	0.0
28.00000	42.00000	46.00000	0.12799	45.958	0.0	0.0	0.0
29.00000	42.00000	46.00000	0.12778	45.958	0.0	0.0	0.0
30.00000	42.00000	46.00000	0.12719	45.958	0.0	0.0	0.0
31.00000	42.00000	46.00000	0.12626	45.958	0.0	0.0	0.0
32.00000	42.00000	46.00000	0.12503	45.958	0.0	0.0	0.0
33.00000	42.00000	46.00000	0.12352	45.958	0.0	0.0	0.0
34.00000	42.00000	46.00000	0.12178	45.958	0.0	0.0	0.0
35.00000	42.00000	46.00000	0.11983	45.958	0.0	0.0	0.0
36.00000	42.00000	46.00000	0.11770	45.958	0.0	0.0	0.0
37.00000	42.00000	46.00000	0.11542	45.958	0.0	0.0	0.0
38.00000	42.00000	46.00000	0.11303	45.958	0.0	0.0	0.0
39.00000	42.00000	46.00000	0.11053	45.958	0.0	0.0	0.0
40.00000	42.00000	46.00000	0.10796	45.958	0.0	0.0	0.0
41.00000	42.00000	46.00000	0.10534	45.958	0.0	0.0	0.0 !
42.00000	42.00000	46.00000	0.10267	45.958	0.0	0.0	0.0 !
43.00000	42.00000	46.00000	0.099989	45.958	0.0	0.0	0.0 !
44.00000	42.00000	46.00000	0.097296	45.958	0.0	0.0	0.0 !
45.00000	42.00000	46.00000	0.094606	45.958	0.0	0.0	0.0 !
46.00000	42.00000	46.00000	0.091931	45.958	0.0	0.0	0.0 !
47.00000	42.00000	46.00000	0.089281	45.958	0.0	0.0	0.0 !

48.00000	42.00000	46.00000	0.086662	45.958	0.0	0.0	0.0	!
49.00000	42.00000	46.00000	0.084082	45.958	0.0	0.0	0.0	!
50.00000	42.00000	46.00000	0.081547	45.958	0.0	0.0	0.0	!
-10.00000	43.00000	46.00000	0.12603	45.958	0.0	0.0	0.0	0.0
-9.00000	43.00000	46.00000	0.12452	45.958	0.0	0.0	0.0	
-8.00000	43.00000	46.00000	0.12239	45.958	0.0	0.0	0.0	
-7.00000	43.00000	46.00000	0.11961	45.958	0.0	0.0	0.0	
-6.00000	43.00000	46.00000	0.11616	45.958	0.0	0.0	0.0	
-5.00000	43.00000	46.00000	0.11205	45.958	0.0	0.0	0.0	
-4.00000	43.00000	46.00000	0.10730	45.958	0.0	0.0	0.0	
-3.00000	43.00000	46.00000	0.10197	45.958	0.0	0.0	0.0	
-2.00000	43.00000	46.00000	0.096138	45.958	0.0	0.0	0.0	
-1.00000	43.00000	46.00000	0.089947	45.958	0.0	0.0	0.0	
0.00000	43.00000	46.00000	0.083560	45.958	0.0	0.0	0.0	
1.00000	43.00000	46.00000	0.077186	45.958	0.0	0.0	0.0	
2.00000	43.00000	46.00000	0.071059	45.958	0.0	0.0	0.0	
3.00000	43.00000	46.00000	0.065428	45.958	0.0	0.0	0.0	
4.00000	43.00000	46.00000	0.060536	45.958	0.0	0.0	0.0	
5.00000	43.00000	46.00000	0.056599	45.958	0.0	0.0	0.0	
6.00000	43.00000	46.00000	0.053788	45.958	0.0	0.0	0.0	
7.00000	43.00000	46.00000	0.052211	45.958	0.0	0.0	0.0	
8.00000	43.00000	46.00000	0.051916	45.958	0.0	0.0	0.0	
9.00000	43.00000	46.00000	0.052881	45.958	0.0	0.0	0.0	
10.00000	43.00000	46.00000	0.055035	45.958	0.0	0.0	0.0	
11.00000	43.00000	46.00000	0.058257	45.958	0.0	0.0	0.0	
12.00000	43.00000	46.00000	0.062397	45.958	0.0	0.0	0.0	
13.00000	43.00000	46.00000	0.067279	45.958	0.0	0.0	0.0	
14.00000	43.00000	46.00000	0.072717	45.958	0.0	0.0	0.0	
15.00000	43.00000	46.00000	0.078520	45.958	0.0	0.0	0.0	
16.00000	43.00000	46.00000	0.084502	45.958	0.0	0.0	0.0	
17.00000	43.00000	46.00000	0.090489	45.958	0.0	0.0	0.0	
18.00000	43.00000	46.00000	0.096323	45.958	0.0	0.0	0.0	
19.00000	43.00000	46.00000	0.10187	45.958	0.0	0.0	0.0	
20.00000	43.00000	46.00000	0.10702	45.958	0.0	0.0	0.0	
21.00000	43.00000	46.00000	0.11168	45.958	0.0	0.0	0.0	
22.00000	43.00000	46.00000	0.11580	45.958	0.0	0.0	0.0	
23.00000	43.00000	46.00000	0.11934	45.958	0.0	0.0	0.0	
24.00000	43.00000	46.00000	0.12229	45.958	0.0	0.0	0.0	
25.00000	43.00000	46.00000	0.12464	45.958	0.0	0.0	0.0	
26.00000	43.00000	46.00000	0.12642	45.958	0.0	0.0	0.0	
27.00000	43.00000	46.00000	0.12763	45.958	0.0	0.0	0.0	
28.00000	43.00000	46.00000	0.12832	45.958	0.0	0.0	0.0	
29.00000	43.00000	46.00000	0.12852	45.958	0.0	0.0	0.0	
30.00000	43.00000	46.00000	0.12828	45.958	0.0	0.0	0.0	
31.00000	43.00000	46.00000	0.12763	45.958	0.0	0.0	0.0	
32.00000	43.00000	46.00000	0.12662	45.958	0.0	0.0	0.0	
33.00000	43.00000	46.00000	0.12529	45.958	0.0	0.0	0.0	
34.00000	43.00000	46.00000	0.12367	45.958	0.0	0.0	0.0	
35.00000	43.00000	46.00000	0.12182	45.958	0.0	0.0	0.0	
36.00000	43.00000	46.00000	0.11975	45.958	0.0	0.0	0.0	
37.00000	43.00000	46.00000	0.11751	45.958	0.0	0.0	0.0	
38.00000	43.00000	46.00000	0.11513	45.958	0.0	0.0	0.0	
39.00000	43.00000	46.00000	0.11263	45.958	0.0	0.0	0.0	
40.00000	43.00000	46.00000	0.11004	45.958	0.0	0.0	0.0	

41.00000	43.00000	46.00000	0.10739	45.958	0.0	0.0	0.0	!
42.00000	43.00000	46.00000	0.10468	45.958	0.0	0.0	0.0	!
43.00000	43.00000	46.00000	0.10195	45.958	0.0	0.0	0.0	!
44.00000	43.00000	46.00000	0.099197	45.958	0.0	0.0	0.0	!
45.00000	43.00000	46.00000	0.096448	45.958	0.0	0.0	0.0	!
46.00000	43.00000	46.00000	0.093710	45.958	0.0	0.0	0.0	!
47.00000	43.00000	46.00000	0.090995	45.958	0.0	0.0	0.0	!
48.00000	43.00000	46.00000	0.088310	45.958	0.0	0.0	0.0	!
49.00000	43.00000	46.00000	0.085664	45.958	0.0	0.0	0.0	!
50.00000	43.00000	46.00000	0.083062	45.958	0.0	0.0	0.0	!
-10.00000	44.00000	46.00000	0.12522	45.958	0.0	0.0	0.0	!
-9.00000	44.00000	46.00000	0.12294	45.958	0.0	0.0	0.0	
-8.00000	44.00000	46.00000	0.11990	45.958	0.0	0.0	0.0	
-7.00000	44.00000	46.00000	0.11604	45.958	0.0	0.0	0.0	
-6.00000	44.00000	46.00000	0.11134	45.958	0.0	0.0	0.0	
-5.00000	44.00000	46.00000	0.10579	45.958	0.0	0.0	0.0	
-4.00000	44.00000	46.00000	0.099402	45.958	0.0	0.0	0.0	
-3.00000	44.00000	46.00000	0.092237	45.958	0.0	0.0	0.0	
-2.00000	44.00000	46.00000	0.084398	45.958	0.0	0.0	0.0	
-1.00000	44.00000	46.00000	0.076042	45.958	0.0	0.0	0.0	
0.00000	44.00000	46.00000	0.067389	45.958	0.0	0.0	0.0	
1.00000	44.00000	46.00000	0.058718	45.958	0.0	0.0	0.0	
2.00000	44.00000	46.00000	0.050356	45.958	0.0	0.0	0.0	
3.00000	44.00000	46.00000	0.042654	45.958	0.0	0.0	0.0	
4.00000	44.00000	46.00000	0.035963	45.958	0.0	0.0	0.0	
5.00000	44.00000	46.00000	0.030594	45.958	0.0	0.0	0.0	
6.00000	44.00000	46.00000	0.026786	45.958	0.0	0.0	0.0	
7.00000	44.00000	46.00000	0.024688	45.958	0.0	0.0	0.0	
8.00000	44.00000	46.00000	0.024352	45.958	0.0	0.0	0.0	
9.00000	44.00000	46.00000	0.025736	45.958	0.0	0.0	0.0	
10.00000	44.00000	46.00000	0.028721	45.958	0.0	0.0	0.0	
11.00000	44.00000	46.00000	0.033132	45.958	0.0	0.0	0.0	
12.00000	44.00000	46.00000	0.038754	45.958	0.0	0.0	0.0	
13.00000	44.00000	46.00000	0.045347	45.958	0.0	0.0	0.0	
14.00000	44.00000	46.00000	0.052659	45.958	0.0	0.0	0.0	
15.00000	44.00000	46.00000	0.060434	45.958	0.0	0.0	0.0	
16.00000	44.00000	46.00000	0.068428	45.958	0.0	0.0	0.0	
17.00000	44.00000	46.00000	0.076409	45.958	0.0	0.0	0.0	
18.00000	44.00000	46.00000	0.084175	45.958	0.0	0.0	0.0	
19.00000	44.00000	46.00000	0.091555	45.958	0.0	0.0	0.0	
20.00000	44.00000	46.00000	0.098409	45.958	0.0	0.0	0.0	
21.00000	44.00000	46.00000	0.10464	45.958	0.0	0.0	0.0	
22.00000	44.00000	46.00000	0.11017	45.958	0.0	0.0	0.0	
23.00000	44.00000	46.00000	0.11497	45.958	0.0	0.0	0.0	
24.00000	44.00000	46.00000	0.11903	45.958	0.0	0.0	0.0	
25.00000	44.00000	46.00000	0.12235	45.958	0.0	0.0	0.0	
26.00000	44.00000	46.00000	0.12495	45.958	0.0	0.0	0.0	
27.00000	44.00000	46.00000	0.12687	45.958	0.0	0.0	0.0	
28.00000	44.00000	46.00000	0.12816	45.958	0.0	0.0	0.0	
29.00000	44.00000	46.00000	0.12887	45.958	0.0	0.0	0.0	
30.00000	44.00000	46.00000	0.12904	45.958	0.0	0.0	0.0	
31.00000	44.00000	46.00000	0.12872	45.958	0.0	0.0	0.0	
32.00000	44.00000	46.00000	0.12798	45.958	0.0	0.0	0.0	
33.00000	44.00000	46.00000	0.12686	45.958	0.0	0.0	0.0	

34.00000	44.00000	46.00000	0.12541	45.958	0.0	0.0	0.0
35.00000	44.00000	46.00000	0.12367	45.958	0.0	0.0	0.0
36.00000	44.00000	46.00000	0.12169	45.958	0.0	0.0	0.0
37.00000	44.00000	46.00000	0.11951	45.958	0.0	0.0	0.0
38.00000	44.00000	46.00000	0.11715	45.958	0.0	0.0	0.0
39.00000	44.00000	46.00000	0.11466	45.958	0.0	0.0	0.0
40.00000	44.00000	46.00000	0.11206	45.958	0.0	0.0	0.0
41.00000	44.00000	46.00000	0.10938	45.958	0.0	0.0	0.0 !
42.00000	44.00000	46.00000	0.10664	45.958	0.0	0.0	0.0 !
43.00000	44.00000	46.00000	0.10386	45.958	0.0	0.0	0.0 !
44.00000	44.00000	46.00000	0.10106	45.958	0.0	0.0	0.0 !
45.00000	44.00000	46.00000	0.098258	45.958	0.0	0.0	0.0 !
46.00000	44.00000	46.00000	0.095461	45.958	0.0	0.0	0.0 !
47.00000	44.00000	46.00000	0.092683	45.958	0.0	0.0	0.0 !
48.00000	44.00000	46.00000	0.089934	45.958	0.0	0.0	0.0 !
49.00000	44.00000	46.00000	0.087223	45.958	0.0	0.0	0.0 !
50.00000	44.00000	46.00000	0.084557	45.958	0.0	0.0	0.0 !
-10.00000	45.00000	46.00000	0.12380	45.958	0.0	0.0	0.0
-9.00000	45.00000	46.00000	0.12061	45.958	0.0	0.0	0.0
-8.00000	45.00000	46.00000	0.11647	45.958	0.0	0.0	0.0
-7.00000	45.00000	46.00000	0.11132	45.958	0.0	0.0	0.0
-6.00000	45.00000	46.00000	0.10510	45.958	0.0	0.0	0.0
-5.00000	45.00000	46.00000	0.097775	45.958	0.0	0.0	0.0
-4.00000	45.00000	46.00000	0.089349	45.958	0.0	0.0	0.0
-3.00000	45.00000	46.00000	0.079870	45.958	0.0	0.0	0.0
-2.00000	45.00000	46.00000	0.069447	45.958	0.0	0.0	0.0
-1.00000	45.00000	46.00000	0.058269	45.958	0.0	0.0	0.0
0.00000	45.00000	46.00000	0.046615	45.958	0.0	0.0	0.0
1.00000	45.00000	46.00000	0.034860	45.958	0.0	0.0	0.0
2.00000	45.00000	46.00000	0.023461	45.958	0.0	0.0	0.0
3.00000	45.00000	46.00000	0.012930	45.958	0.0	0.0	0.0
4.00000	45.00000	46.00000	0.0037788	45.958	0.0	0.0	0.0
5.00000	45.00000	46.00000	-0.0035347	45.958	0.0	0.0	0.0
6.00000	45.00000	46.00000	-0.0086653	45.958	0.0	0.0	0.0
7.00000	45.00000	46.00000	-0.011412	45.958	0.0	0.0	0.0
8.00000	45.00000	46.00000	-0.011728	45.958	0.0	0.0	0.0
9.00000	45.00000	46.00000	-0.0097008	45.958	0.0	0.0	0.0
10.00000	45.00000	46.00000	-0.0055243	45.958	0.0	0.0	0.0
11.00000	45.00000	46.00000	538.21E-6	45.958	0.0	0.0	0.0
12.00000	45.00000	46.00000	0.0081810	45.958	0.0	0.0	0.0
13.00000	45.00000	46.00000	0.017075	45.958	0.0	0.0	0.0
14.00000	45.00000	46.00000	0.026879	45.958	0.0	0.0	0.0
15.00000	45.00000	46.00000	0.037256	45.958	0.0	0.0	0.0
16.00000	45.00000	46.00000	0.047878	45.958	0.0	0.0	0.0
17.00000	45.00000	46.00000	0.058444	45.958	0.0	0.0	0.0
18.00000	45.00000	46.00000	0.068692	45.958	0.0	0.0	0.0
19.00000	45.00000	46.00000	0.078403	45.958	0.0	0.0	0.0
20.00000	45.00000	46.00000	0.087409	45.958	0.0	0.0	0.0
21.00000	45.00000	46.00000	0.095588	45.958	0.0	0.0	0.0
22.00000	45.00000	46.00000	0.10287	45.958	0.0	0.0	0.0
23.00000	45.00000	46.00000	0.10921	45.958	0.0	0.0	0.0
24.00000	45.00000	46.00000	0.11461	45.958	0.0	0.0	0.0
25.00000	45.00000	46.00000	0.11909	45.958	0.0	0.0	0.0
26.00000	45.00000	46.00000	0.12270	45.958	0.0	0.0	0.0



27.00000	45.00000	46.00000	0.12547	45.958	0.0	0.0	0.0
28.00000	45.00000	46.00000	0.12747	45.958	0.0	0.0	0.0
29.00000	45.00000	46.00000	0.12877	45.958	0.0	0.0	0.0
30.00000	45.00000	46.00000	0.12943	45.958	0.0	0.0	0.0
31.00000	45.00000	46.00000	0.12952	45.958	0.0	0.0	0.0
32.00000	45.00000	46.00000	0.12910	45.958	0.0	0.0	0.0
33.00000	45.00000	46.00000	0.12823	45.958	0.0	0.0	0.0
34.00000	45.00000	46.00000	0.12698	45.958	0.0	0.0	0.0
35.00000	45.00000	46.00000	0.12539	45.958	0.0	0.0	0.0
36.00000	45.00000	46.00000	0.12351	45.958	0.0	0.0	0.0
37.00000	45.00000	46.00000	0.12140	45.958	0.0	0.0	0.0
38.00000	45.00000	46.00000	0.11909	45.958	0.0	0.0	0.0
39.00000	45.00000	46.00000	0.11662	45.958	0.0	0.0	0.0
40.00000	45.00000	46.00000	0.11402	45.958	0.0	0.0	0.0
41.00000	45.00000	46.00000	0.11132	45.958	0.0	0.0	0.0 !
42.00000	45.00000	46.00000	0.10855	45.958	0.0	0.0	0.0 !
43.00000	45.00000	46.00000	0.10574	45.958	0.0	0.0	0.0 !
44.00000	45.00000	46.00000	0.10289	45.958	0.0	0.0	0.0 !
45.00000	45.00000	46.00000	0.10003	45.958	0.0	0.0	0.0 !
46.00000	45.00000	46.00000	0.097178	45.958	0.0	0.0	0.0 !
47.00000	45.00000	46.00000	0.094340	45.958	0.0	0.0	0.0 !
48.00000	45.00000	46.00000	0.091529	45.958	0.0	0.0	0.0 !
49.00000	45.00000	46.00000	0.088755	45.958	0.0	0.0	0.0 !
50.00000	45.00000	46.00000	0.086026	45.958	0.0	0.0	0.0 !
-10.00000	46.00000	46.00000	0.12174	45.958	0.0	0.0	0.0
-9.00000	46.00000	46.00000	0.11747	45.958	0.0	0.0	0.0
-8.00000	46.00000	46.00000	0.11205	45.958	0.0	0.0	0.0
-7.00000	46.00000	46.00000	0.10535	45.958	0.0	0.0	0.0
-6.00000	46.00000	46.00000	0.097290	45.958	0.0	0.0	0.0
-5.00000	46.00000	46.00000	0.087801	45.958	0.0	0.0	0.0
-4.00000	46.00000	46.00000	0.076846	45.958	0.0	0.0	0.0
-3.00000	46.00000	46.00000	0.064448	45.958	0.0	0.0	0.0
-2.00000	46.00000	46.00000	0.050707	45.958	0.0	0.0	0.0
-1.00000	46.00000	46.00000	0.035832	45.958	0.0	0.0	0.0
0.00000	46.00000	46.00000	0.020170	45.958	0.0	0.0	0.0
1.00000	46.00000	46.00000	0.0042213	45.958	0.0	0.0	0.0
2.00000	46.00000	46.00000	-0.011364	45.958	0.0	0.0	0.0
3.00000	46.00000	46.00000	-0.025831	45.958	0.0	0.0	0.0
4.00000	46.00000	46.00000	-0.038404	45.958	0.0	0.0	0.0
5.00000	46.00000	46.00000	-0.048392	45.958	0.0	0.0	0.0
6.00000	46.00000	46.00000	-0.055286	45.958	0.0	0.0	0.0
7.00000	46.00000	46.00000	-0.058820	45.958	0.0	0.0	0.0
8.00000	46.00000	46.00000	-0.058972	45.958	0.0	0.0	0.0
9.00000	46.00000	46.00000	-0.055928	45.958	0.0	0.0	0.0
10.00000	46.00000	46.00000	-0.050012	45.958	0.0	0.0	0.0
11.00000	46.00000	46.00000	-0.041626	45.958	0.0	0.0	0.0
12.00000	46.00000	46.00000	-0.031203	45.958	0.0	0.0	0.0
13.00000	46.00000	46.00000	-0.019192	45.958	0.0	0.0	0.0
14.00000	46.00000	46.00000	-0.0060480	45.958	0.0	0.0	0.0
15.00000	46.00000	46.00000	0.0077789	45.958	0.0	0.0	0.0
16.00000	46.00000	46.00000	0.021856	45.958	0.0	0.0	0.0
17.00000	46.00000	46.00000	0.035788	45.958	0.0	0.0	0.0
18.00000	46.00000	46.00000	0.049232	45.958	0.0	0.0	0.0
19.00000	46.00000	46.00000	0.061913	45.958	0.0	0.0	0.0

20.00000	46.00000	46.00000	0.073627	45.958	0.0	0.0	0.0
21.00000	46.00000	46.00000	0.084236	45.958	0.0	0.0	0.0
22.00000	46.00000	46.00000	0.093665	45.958	0.0	0.0	0.0
23.00000	46.00000	46.00000	0.10189	45.958	0.0	0.0	0.0
24.00000	46.00000	46.00000	0.10892	45.958	0.0	0.0	0.0
25.00000	46.00000	46.00000	0.11479	45.958	0.0	0.0	0.0
26.00000	46.00000	46.00000	0.11958	45.958	0.0	0.0	0.0
27.00000	46.00000	46.00000	0.12336	45.958	0.0	0.0	0.0
28.00000	46.00000	46.00000	0.12620	45.958	0.0	0.0	0.0
29.00000	46.00000	46.00000	0.12819	45.958	0.0	0.0	0.0
30.00000	46.00000	46.00000	0.12943	45.958	0.0	0.0	0.0
31.00000	46.00000	46.00000	0.12998	45.958	0.0	0.0	0.0
32.00000	46.00000	46.00000	0.12994	45.958	0.0	0.0	0.0
33.00000	46.00000	46.00000	0.12937	45.958	0.0	0.0	0.0
34.00000	46.00000	46.00000	0.12835	45.958	0.0	0.0	0.0
35.00000	46.00000	46.00000	0.12694	45.958	0.0	0.0	0.0
36.00000	46.00000	46.00000	0.12520	45.958	0.0	0.0	0.0
37.00000	46.00000	46.00000	0.12318	45.958	0.0	0.0	0.0
38.00000	46.00000	46.00000	0.12093	45.958	0.0	0.0	0.0
39.00000	46.00000	46.00000	0.11849	45.958	0.0	0.0	0.0
40.00000	46.00000	46.00000	0.11590	45.958	0.0	0.0	0.0
41.00000	46.00000	46.00000	0.11320	45.958	0.0	0.0	0.0 !
42.00000	46.00000	46.00000	0.11041	45.958	0.0	0.0	0.0 !
43.00000	46.00000	46.00000	0.10756	45.958	0.0	0.0	0.0 !
44.00000	46.00000	46.00000	0.10467	45.958	0.0	0.0	0.0 !
45.00000	46.00000	46.00000	0.10176	45.958	0.0	0.0	0.0 !
46.00000	46.00000	46.00000	0.098857	45.958	0.0	0.0	0.0 !
47.00000	46.00000	46.00000	0.095962	45.958	0.0	0.0	0.0 !
48.00000	46.00000	46.00000	0.093091	45.958	0.0	0.0	0.0 !
49.00000	46.00000	46.00000	0.090257	45.958	0.0	0.0	0.0 !
50.00000	46.00000	46.00000	0.087465	45.958	0.0	0.0	0.0 !
-10.00000	47.00000	46.00000	0.11900	45.958	0.0	0.0	0.0
-9.00000	47.00000	46.00000	0.11349	45.958	0.0	0.0	0.0
-8.00000	47.00000	46.00000	0.10655	45.958	0.0	0.0	0.0
-7.00000	47.00000	46.00000	0.098033	45.958	0.0	0.0	0.0
-6.00000	47.00000	46.00000	0.087780	45.958	0.0	0.0	0.0
-5.00000	47.00000	46.00000	0.075667	45.958	0.0	0.0	0.0
-4.00000	47.00000	46.00000	0.061595	45.958	0.0	0.0	0.0
-3.00000	47.00000	46.00000	0.045530	45.958	0.0	0.0	0.0
-2.00000	47.00000	46.00000	0.027527	45.958	0.0	0.0	0.0
-1.00000	47.00000	46.00000	0.0077915	45.958	0.0	0.0	0.0
0.00000	47.00000	46.00000	-0.013273	45.958	0.0	0.0	0.0
1.00000	47.00000	46.00000	-0.035007	45.958	0.0	0.0	0.0
2.00000	47.00000	46.00000	-0.056478	45.958	0.0	0.0	0.0
3.00000	47.00000	46.00000	-0.076539	45.958	0.0	0.0	0.0
4.00000	47.00000	46.00000	-0.093978	45.958	0.0	0.0	0.0
5.00000	47.00000	46.00000	-0.10771	45.958	0.0	0.0	0.0
6.00000	47.00000	46.00000	-0.11697	45.958	0.0	0.0	0.0
7.00000	47.00000	46.00000	-0.12140	45.958	0.0	0.0	0.0
8.00000	47.00000	46.00000	-0.12108	45.958	0.0	0.0	0.0
9.00000	47.00000	46.00000	-0.11639	45.958	0.0	0.0	0.0
10.00000	47.00000	46.00000	-0.10788	45.958	0.0	0.0	0.0
11.00000	47.00000	46.00000	-0.096182	45.958	0.0	0.0	0.0
12.00000	47.00000	46.00000	-0.081898	45.958	0.0	0.0	0.0

13.00000	47.00000	46.00000	-0.065631	45.958	0.0	0.0	0.0
14.00000	47.00000	46.00000	-0.047978	45.958	0.0	0.0	0.0
15.00000	47.00000	46.00000	-0.029537	45.958	0.0	0.0	0.0
16.00000	47.00000	46.00000	-0.010883	45.958	0.0	0.0	0.0
17.00000	47.00000	46.00000	0.0074561	45.958	0.0	0.0	0.0
18.00000	47.00000	46.00000	0.025036	45.958	0.0	0.0	0.0
19.00000	47.00000	46.00000	0.041510	45.958	0.0	0.0	0.0
20.00000	47.00000	46.00000	0.056635	45.958	0.0	0.0	0.0
21.00000	47.00000	46.00000	0.070263	45.958	0.0	0.0	0.0
22.00000	47.00000	46.00000	0.082329	45.958	0.0	0.0	0.0
23.00000	47.00000	46.00000	0.092830	45.958	0.0	0.0	0.0
24.00000	47.00000	46.00000	0.10181	45.958	0.0	0.0	0.0
25.00000	47.00000	46.00000	0.10935	45.958	0.0	0.0	0.0
26.00000	47.00000	46.00000	0.11554	45.958	0.0	0.0	0.0
27.00000	47.00000	46.00000	0.12048	45.958	0.0	0.0	0.0
28.00000	47.00000	46.00000	0.12430	45.958	0.0	0.0	0.0
29.00000	47.00000	46.00000	0.12711	45.958	0.0	0.0	0.0
30.00000	47.00000	46.00000	0.12901	45.958	0.0	0.0	0.0
31.00000	47.00000	46.00000	0.13011	45.958	0.0	0.0	0.0
32.00000	47.00000	46.00000	0.13050	45.958	0.0	0.0	0.0
33.00000	47.00000	46.00000	0.13028	45.958	0.0	0.0	0.0
34.00000	47.00000	46.00000	0.12953	45.958	0.0	0.0	0.0
35.00000	47.00000	46.00000	0.12833	45.958	0.0	0.0	0.0
36.00000	47.00000	46.00000	0.12675	45.958	0.0	0.0	0.0
37.00000	47.00000	46.00000	0.12484	45.958	0.0	0.0	0.0
38.00000	47.00000	46.00000	0.12267	45.958	0.0	0.0	0.0
39.00000	47.00000	46.00000	0.12028	45.958	0.0	0.0	0.0
40.00000	47.00000	46.00000	0.11771	45.958	0.0	0.0	0.0
41.00000	47.00000	46.00000	0.11501	45.958	0.0	0.0	0.0 !
42.00000	47.00000	46.00000	0.11220	45.958	0.0	0.0	0.0 !
43.00000	47.00000	46.00000	0.10933	45.958	0.0	0.0	0.0 !
44.00000	47.00000	46.00000	0.10640	45.958	0.0	0.0	0.0 !
45.00000	47.00000	46.00000	0.10345	45.958	0.0	0.0	0.0 !
46.00000	47.00000	46.00000	0.10049	45.958	0.0	0.0	0.0 !
47.00000	47.00000	46.00000	0.097544	45.958	0.0	0.0	0.0 !
48.00000	47.00000	46.00000	0.094617	45.958	0.0	0.0	0.0 !
49.00000	47.00000	46.00000	0.091723	45.958	0.0	0.0	0.0 !
50.00000	47.00000	46.00000	0.088873	45.958	0.0	0.0	0.0 !
-10.00000	48.00000	46.00000	0.11556	45.958	0.0	0.0	0.0
-9.00000	48.00000	46.00000	0.10864	45.958	0.0	0.0	0.0
-8.00000	48.00000	46.00000	0.099959	45.958	0.0	0.0	0.0
-7.00000	48.00000	46.00000	0.089309	45.958	0.0	0.0	0.0
-6.00000	48.00000	46.00000	0.076463	45.958	0.0	0.0	0.0
-5.00000	48.00000	46.00000	0.061200	45.958	0.0	0.0	0.0
-4.00000	48.00000	46.00000	0.043320	45.958	0.0	0.0	0.0
-3.00000	48.00000	46.00000	0.022674	45.958	0.0	0.0	0.0
-2.00000	48.00000	46.00000	-787.76E-6	45.958	0.0	0.0	0.0
-1.00000	48.00000	46.00000	-0.026934	45.958	0.0	0.0	0.0
0.00000	48.00000	46.00000	-0.055346	45.958	0.0	0.0	0.0
1.00000	48.00000	46.00000	-0.085182	45.958	0.0	0.0	0.0
2.00000	48.00000	46.00000	-0.11510	45.958	0.0	0.0	0.0
3.00000	48.00000	46.00000	-0.14331	45.958	0.0	0.0	0.0
4.00000	48.00000	46.00000	-0.16784	45.958	0.0	0.0	0.0
5.00000	48.00000	46.00000	-0.18693	45.958	0.0	0.0	0.0

6.00000	48.00000	46.00000	-0.19937	45.958	0.0	0.0	0.0
7.00000	48.00000	46.00000	-0.20474	45.958	0.0	0.0	0.0
8.00000	48.00000	46.00000	-0.20332	45.958	0.0	0.0	0.0
9.00000	48.00000	46.00000	-0.19590	45.958	0.0	0.0	0.0
10.00000	48.00000	46.00000	-0.18347	45.958	0.0	0.0	0.0
11.00000	48.00000	46.00000	-0.16699	45.958	0.0	0.0	0.0
12.00000	48.00000	46.00000	-0.14731	45.958	0.0	0.0	0.0
13.00000	48.00000	46.00000	-0.12518	45.958	0.0	0.0	0.0
14.00000	48.00000	46.00000	-0.10138	45.958	0.0	0.0	0.0
15.00000	48.00000	46.00000	-0.076701	45.958	0.0	0.0	0.0
16.00000	48.00000	46.00000	-0.051924	45.958	0.0	0.0	0.0
17.00000	48.00000	46.00000	-0.027759	45.958	0.0	0.0	0.0
18.00000	48.00000	46.00000	-0.0047937	45.958	0.0	0.0	0.0
19.00000	48.00000	46.00000	0.016540	45.958	0.0	0.0	0.0
20.00000	48.00000	46.00000	0.035964	45.958	0.0	0.0	0.0
21.00000	48.00000	46.00000	0.053336	45.958	0.0	0.0	0.0
22.00000	48.00000	46.00000	0.068624	45.958	0.0	0.0	0.0
23.00000	48.00000	46.00000	0.081872	45.958	0.0	0.0	0.0
24.00000	48.00000	46.00000	0.093178	45.958	0.0	0.0	0.0
25.00000	48.00000	46.00000	0.10267	45.958	0.0	0.0	0.0
26.00000	48.00000	46.00000	0.11050	45.958	0.0	0.0	0.0
27.00000	48.00000	46.00000	0.11681	45.958	0.0	0.0	0.0
28.00000	48.00000	46.00000	0.12176	45.958	0.0	0.0	0.0
29.00000	48.00000	46.00000	0.12549	45.958	0.0	0.0	0.0
30.00000	48.00000	46.00000	0.12815	45.958	0.0	0.0	0.0
31.00000	48.00000	46.00000	0.12987	45.958	0.0	0.0	0.0
32.00000	48.00000	46.00000	0.13076	45.958	0.0	0.0	0.0
33.00000	48.00000	46.00000	0.13094	45.958	0.0	0.0	0.0
34.00000	48.00000	46.00000	0.13051	45.958	0.0	0.0	0.0
35.00000	48.00000	46.00000	0.12955	45.958	0.0	0.0	0.0
36.00000	48.00000	46.00000	0.12815	45.958	0.0	0.0	0.0
37.00000	48.00000	46.00000	0.12637	45.958	0.0	0.0	0.0
38.00000	48.00000	46.00000	0.12429	45.958	0.0	0.0	0.0
39.00000	48.00000	46.00000	0.12196	45.958	0.0	0.0	0.0
40.00000	48.00000	46.00000	0.11943	45.958	0.0	0.0	0.0
41.00000	48.00000	46.00000	0.11674	45.958	0.0	0.0	0.0 !
42.00000	48.00000	46.00000	0.11393	45.958	0.0	0.0	0.0 !
43.00000	48.00000	46.00000	0.11103	45.958	0.0	0.0	0.0 !
44.00000	48.00000	46.00000	0.10808	45.958	0.0	0.0	0.0 !
45.00000	48.00000	46.00000	0.10509	45.958	0.0	0.0	0.0 !
46.00000	48.00000	46.00000	0.10208	45.958	0.0	0.0	0.0 !
47.00000	48.00000	46.00000	0.099082	45.958	0.0	0.0	0.0 !
48.00000	48.00000	46.00000	0.096101	45.958	0.0	0.0	0.0 !
49.00000	48.00000	46.00000	0.093151	45.958	0.0	0.0	0.0 !
50.00000	48.00000	46.00000	0.090243	45.958	0.0	0.0	0.0 !
-10.00000	49.00000	46.00000	0.11144	45.958	0.0	0.0	0.0
-9.00000	49.00000	46.00000	0.10291	45.958	0.0	0.0	0.0
-8.00000	49.00000	46.00000	0.092249	45.958	0.0	0.0	0.0
-7.00000	49.00000	46.00000	0.079148	45.958	0.0	0.0	0.0
-6.00000	49.00000	46.00000	0.063277	45.958	0.0	0.0	0.0
-5.00000	49.00000	46.00000	0.044282	45.958	0.0	0.0	0.0
-4.00000	49.00000	46.00000	0.021799	45.958	0.0	0.0	0.0
-3.00000	49.00000	46.00000	-0.0045152	45.958	0.0	0.0	0.0
-2.00000	49.00000	46.00000	-0.034928	45.958	0.0	0.0	0.0

-1.00000	49.00000	46.00000	-0.069517	45.958	0.0	0.0	0.0
0.00000	49.00000	46.00000	-0.10796	45.958	0.0	0.0	0.0
1.00000	49.00000	46.00000	-0.14926	45.958	0.0	0.0	0.0
2.00000	49.00000	46.00000	-0.19147	45.958	0.0	0.0	0.0
3.00000	49.00000	46.00000	-0.23173	45.958	0.0	0.0	0.0
4.00000	49.00000	46.00000	-0.26679	45.958	0.0	0.0	0.0
5.00000	49.00000	46.00000	-0.29369	45.958	0.0	0.0	0.0
6.00000	49.00000	46.00000	-0.31050	45.958	0.0	0.0	0.0
7.00000	49.00000	46.00000	-0.31671	45.958	0.0	0.0	0.0
8.00000	49.00000	46.00000	-0.31310	45.958	0.0	0.0	0.0
9.00000	49.00000	46.00000	-0.30124	45.958	0.0	0.0	0.0
10.00000	49.00000	46.00000	-0.28288	45.958	0.0	0.0	0.0
11.00000	49.00000	46.00000	-0.25950	45.958	0.0	0.0	0.0
12.00000	49.00000	46.00000	-0.23221	45.958	0.0	0.0	0.0
13.00000	49.00000	46.00000	-0.20194	45.958	0.0	0.0	0.0
14.00000	49.00000	46.00000	-0.16965	45.958	0.0	0.0	0.0
15.00000	49.00000	46.00000	-0.13642	45.958	0.0	0.0	0.0
16.00000	49.00000	46.00000	-0.10332	45.958	0.0	0.0	0.0
17.00000	49.00000	46.00000	-0.071361	45.958	0.0	0.0	0.0
18.00000	49.00000	46.00000	-0.041320	45.958	0.0	0.0	0.0
19.00000	49.00000	46.00000	-0.013730	45.958	0.0	0.0	0.0
20.00000	49.00000	46.00000	0.011115	45.958	0.0	0.0	0.0
21.00000	49.00000	46.00000	0.033120	45.958	0.0	0.0	0.0
22.00000	49.00000	46.00000	0.052325	45.958	0.0	0.0	0.0
23.00000	49.00000	46.00000	0.068862	45.958	0.0	0.0	0.0
24.00000	49.00000	46.00000	0.082915	45.958	0.0	0.0	0.0
25.00000	49.00000	46.00000	0.094694	45.958	0.0	0.0	0.0
26.00000	49.00000	46.00000	0.10441	45.958	0.0	0.0	0.0
27.00000	49.00000	46.00000	0.11229	45.958	0.0	0.0	0.0
28.00000	49.00000	46.00000	0.11853	45.958	0.0	0.0	0.0
29.00000	49.00000	46.00000	0.12333	45.958	0.0	0.0	0.0
30.00000	49.00000	46.00000	0.12685	45.958	0.0	0.0	0.0
31.00000	49.00000	46.00000	0.12927	45.958	0.0	0.0	0.0
32.00000	49.00000	46.00000	0.13072	45.958	0.0	0.0	0.0
33.00000	49.00000	46.00000	0.13135	45.958	0.0	0.0	0.0
34.00000	49.00000	46.00000	0.13127	45.958	0.0	0.0	0.0
35.00000	49.00000	46.00000	0.13059	45.958	0.0	0.0	0.0
36.00000	49.00000	46.00000	0.12939	45.958	0.0	0.0	0.0
37.00000	49.00000	46.00000	0.12778	45.958	0.0	0.0	0.0
38.00000	49.00000	46.00000	0.12581	45.958	0.0	0.0	0.0
39.00000	49.00000	46.00000	0.12355	45.958	0.0	0.0	0.0
40.00000	49.00000	46.00000	0.12106	45.958	0.0	0.0	0.0
41.00000	49.00000	46.00000	0.11839	45.958	0.0	0.0	0.0 !
42.00000	49.00000	46.00000	0.11558	45.958	0.0	0.0	0.0 !
43.00000	49.00000	46.00000	0.11267	45.958	0.0	0.0	0.0 !
44.00000	49.00000	46.00000	0.10969	45.958	0.0	0.0	0.0 !
45.00000	49.00000	46.00000	0.10667	45.958	0.0	0.0	0.0 !
46.00000	49.00000	46.00000	0.10362	45.958	0.0	0.0	0.0 !
47.00000	49.00000	46.00000	0.10057	45.958	0.0	0.0	0.0 !
48.00000	49.00000	46.00000	0.097541	45.958	0.0	0.0	0.0 !
49.00000	49.00000	46.00000	0.094537	45.958	0.0	0.0	0.0 !
50.00000	49.00000	46.00000	0.091574	45.958	0.0	0.0	0.0 !
-10.00000	50.00000	46.00000	0.10666	45.958	0.0	0.0	0.0
-9.00000	50.00000	46.00000	0.096340	45.958	0.0	0.0	0.0

-8.00000	50.00000	46.00000	0.083448	45.958	0.0	0.0	0.0
-7.00000	50.00000	46.00000	0.067567	45.958	0.0	0.0	0.0
-6.00000	50.00000	46.00000	0.048221	45.958	0.0	0.0	0.0
-5.00000	50.00000	46.00000	0.024871	45.958	0.0	0.0	0.0
-4.00000	50.00000	46.00000	-0.0030887	45.958	0.0	0.0	0.0
-3.00000	50.00000	46.00000	-0.036317	45.958	0.0	0.0	0.0
-2.00000	50.00000	46.00000	-0.075474	45.958	0.0	0.0	0.0
-1.00000	50.00000	46.00000	-0.12108	45.958	0.0	0.0	0.0
0.00000	50.00000	46.00000	-0.17314	45.958	0.0	0.0	0.0
1.00000	50.00000	46.00000	-0.23052	45.958	0.0	0.0	0.0
2.00000	50.00000	46.00000	-0.29033	45.958	0.0	0.0	0.0
3.00000	50.00000	46.00000	-0.34812	45.958	0.0	0.0	0.0
4.00000	50.00000	46.00000	-0.39865	45.958	0.0	0.0	0.0
5.00000	50.00000	46.00000	-0.43702	45.958	0.0	0.0	0.0
6.00000	50.00000	46.00000	-0.46006	45.958	0.0	0.0	0.0
7.00000	50.00000	46.00000	-0.46725	45.958	0.0	0.0	0.0
8.00000	50.00000	46.00000	-0.46025	45.958	0.0	0.0	0.0
9.00000	50.00000	46.00000	-0.44183	45.958	0.0	0.0	0.0
10.00000	50.00000	46.00000	-0.41487	45.958	0.0	0.0	0.0
11.00000	50.00000	46.00000	-0.38167	45.958	0.0	0.0	0.0
12.00000	50.00000	46.00000	-0.34370	45.958	0.0	0.0	0.0
13.00000	50.00000	46.00000	-0.30199	45.958	0.0	0.0	0.0
14.00000	50.00000	46.00000	-0.25775	45.958	0.0	0.0	0.0
15.00000	50.00000	46.00000	-0.21249	45.958	0.0	0.0	0.0
16.00000	50.00000	46.00000	-0.16783	45.958	0.0	0.0	0.0
17.00000	50.00000	46.00000	-0.12524	45.958	0.0	0.0	0.0
18.00000	50.00000	46.00000	-0.085789	45.958	0.0	0.0	0.0
19.00000	50.00000	46.00000	-0.050101	45.958	0.0	0.0	0.0
20.00000	50.00000	46.00000	-0.018415	45.958	0.0	0.0	0.0
21.00000	50.00000	46.00000	0.0092976	45.958	0.0	0.0	0.0
22.00000	50.00000	46.00000	0.033233	45.958	0.0	0.0	0.0
23.00000	50.00000	46.00000	0.053674	45.958	0.0	0.0	0.0
24.00000	50.00000	46.00000	0.070943	45.958	0.0	0.0	0.0
25.00000	50.00000	46.00000	0.085366	45.958	0.0	0.0	0.0
26.00000	50.00000	46.00000	0.097259	45.958	0.0	0.0	0.0
27.00000	50.00000	46.00000	0.10692	45.958	0.0	0.0	0.0
28.00000	50.00000	46.00000	0.11462	45.958	0.0	0.0	0.0
29.00000	50.00000	46.00000	0.12060	45.958	0.0	0.0	0.0
30.00000	50.00000	46.00000	0.12509	45.958	0.0	0.0	0.0
31.00000	50.00000	46.00000	0.12829	45.958	0.0	0.0	0.0
32.00000	50.00000	46.00000	0.13037	45.958	0.0	0.0	0.0
33.00000	50.00000	46.00000	0.13150	45.958	0.0	0.0	0.0
34.00000	50.00000	46.00000	0.13181	45.958	0.0	0.0	0.0
35.00000	50.00000	46.00000	0.13144	45.958	0.0	0.0	0.0
36.00000	50.00000	46.00000	0.13048	45.958	0.0	0.0	0.0
37.00000	50.00000	46.00000	0.12904	45.958	0.0	0.0	0.0
38.00000	50.00000	46.00000	0.12720	45.958	0.0	0.0	0.0
39.00000	50.00000	46.00000	0.12503	45.958	0.0	0.0	0.0
40.00000	50.00000	46.00000	0.12260	45.958	0.0	0.0	0.0
41.00000	50.00000	46.00000	0.11996	45.958	0.0	0.0	0.0 !
42.00000	50.00000	46.00000	0.11716	45.958	0.0	0.0	0.0 !
43.00000	50.00000	46.00000	0.11424	45.958	0.0	0.0	0.0 !
44.00000	50.00000	46.00000	0.11124	45.958	0.0	0.0	0.0 !
45.00000	50.00000	46.00000	0.10819	45.958	0.0	0.0	0.0 !

46.00000	50.00000	46.00000	0.10510	45.958	0.0	0.0	0.0	!
47.00000	50.00000	46.00000	0.10201	45.958	0.0	0.0	0.0	!
48.00000	50.00000	46.00000	0.098931	45.958	0.0	0.0	0.0	!
49.00000	50.00000	46.00000	0.095877	45.958	0.0	0.0	0.0	!
50.00000	50.00000	46.00000	0.092861	45.958	0.0	0.0	0.0	!
-10.00000	51.00000	46.00000	0.10125	45.958	0.0	0.0	0.0	
-9.00000	51.00000	46.00000	0.088975	45.958	0.0	0.0	0.0	
-8.00000	51.00000	46.00000	0.073621	45.958	0.0	0.0	0.0	
-7.00000	51.00000	46.00000	0.054640	45.958	0.0	0.0	0.0	
-6.00000	51.00000	46.00000	0.031375	45.958	0.0	0.0	0.0	
-5.00000	51.00000	46.00000	0.0030381	45.958	0.0	0.0	0.0	
-4.00000	51.00000	46.00000	-0.031312	45.958	0.0	0.0	0.0	
-3.00000	51.00000	46.00000	-0.072804	45.958	0.0	0.0	0.0	
-2.00000	51.00000	46.00000	-0.12274	45.958	0.0	0.0	0.0	
-1.00000	51.00000	46.00000	-0.18242	45.958	0.0	0.0	0.0	
0.00000	51.00000	46.00000	-0.25249	45.958	0.0	0.0	0.0	
1.00000	51.00000	46.00000	-0.33162	45.958	0.0	0.0	0.0	
2.00000	51.00000	46.00000	-0.41626	45.958	0.0	0.0	0.0	
3.00000	51.00000	46.00000	-0.50068	45.958	0.0	0.0	0.0	
4.00000	51.00000	46.00000	-0.57396	45.958	0.0	0.0	0.0	
5.00000	51.00000	46.00000	-0.62907	45.958	0.0	0.0	0.0	
6.00000	51.00000	46.00000	-0.66175	45.958	0.0	0.0	0.0	
7.00000	51.00000	46.00000	-0.67097	45.958	0.0	0.0	0.0	
8.00000	51.00000	46.00000	-0.65834	45.958	0.0	0.0	0.0	
9.00000	51.00000	46.00000	-0.63081	45.958	0.0	0.0	0.0	
10.00000	51.00000	46.00000	-0.59254	45.958	0.0	0.0	0.0	
11.00000	51.00000	46.00000	-0.54597	45.958	0.0	0.0	0.0	
12.00000	51.00000	46.00000	-0.49310	45.958	0.0	0.0	0.0	
13.00000	51.00000	46.00000	-0.43507	45.958	0.0	0.0	0.0	
14.00000	51.00000	46.00000	-0.37344	45.958	0.0	0.0	0.0	
15.00000	51.00000	46.00000	-0.31060	45.958	0.0	0.0	0.0	
16.00000	51.00000	46.00000	-0.24928	45.958	0.0	0.0	0.0	
17.00000	51.00000	46.00000	-0.19181	45.958	0.0	0.0	0.0	
18.00000	51.00000	46.00000	-0.13965	45.958	0.0	0.0	0.0	
19.00000	51.00000	46.00000	-0.093406	45.958	0.0	0.0	0.0	
20.00000	51.00000	46.00000	-0.053100	45.958	0.0	0.0	0.0	
21.00000	51.00000	46.00000	-0.018395	45.958	0.0	0.0	0.0	
22.00000	51.00000	46.00000	0.011201	45.958	0.0	0.0	0.0	
23.00000	51.00000	46.00000	0.036229	45.958	0.0	0.0	0.0	
24.00000	51.00000	46.00000	0.057218	45.958	0.0	0.0	0.0	
25.00000	51.00000	46.00000	0.074666	45.958	0.0	0.0	0.0	
26.00000	51.00000	46.00000	0.089020	45.958	0.0	0.0	0.0	
27.00000	51.00000	46.00000	0.10068	45.958	0.0	0.0	0.0	
28.00000	51.00000	46.00000	0.11001	45.958	0.0	0.0	0.0	
29.00000	51.00000	46.00000	0.11731	45.958	0.0	0.0	0.0	
30.00000	51.00000	46.00000	0.12287	45.958	0.0	0.0	0.0	
31.00000	51.00000	46.00000	0.12693	45.958	0.0	0.0	0.0	
32.00000	51.00000	46.00000	0.12971	45.958	0.0	0.0	0.0	
33.00000	51.00000	46.00000	0.13139	45.958	0.0	0.0	0.0	
34.00000	51.00000	46.00000	0.13214	45.958	0.0	0.0	0.0	
35.00000	51.00000	46.00000	0.13210	45.958	0.0	0.0	0.0	
36.00000	51.00000	46.00000	0.13141	45.958	0.0	0.0	0.0	
37.00000	51.00000	46.00000	0.13017	45.958	0.0	0.0	0.0	
38.00000	51.00000	46.00000	0.12847	45.958	0.0	0.0	0.0	

39.00000	51.00000	46.00000	0.12641	45.958	0.0	0.0	0.0
40.00000	51.00000	46.00000	0.12404	45.958	0.0	0.0	0.0
41.00000	51.00000	46.00000	0.12144	45.958	0.0	0.0	0.0 !
42.00000	51.00000	46.00000	0.11866	45.958	0.0	0.0	0.0 !
43.00000	51.00000	46.00000	0.11574	45.958	0.0	0.0	0.0 !
44.00000	51.00000	46.00000	0.11273	45.958	0.0	0.0	0.0 !
45.00000	51.00000	46.00000	0.10964	45.958	0.0	0.0	0.0 !
46.00000	51.00000	46.00000	0.10653	45.958	0.0	0.0	0.0 !
47.00000	51.00000	46.00000	0.10339	45.958	0.0	0.0	0.0 !
48.00000	51.00000	46.00000	0.10027	45.958	0.0	0.0	0.0 !
49.00000	51.00000	46.00000	0.097167	45.958	0.0	0.0	0.0 !
50.00000	51.00000	46.00000	0.094102	45.958	0.0	0.0	0.0 !
-10.00000	52.00000	46.00000	0.095293	45.958	0.0	0.0	0.0
-9.00000	52.00000	46.00000	0.080903	45.958	0.0	0.0	0.0
-8.00000	52.00000	46.00000	0.062880	45.958	0.0	0.0	0.0
-7.00000	52.00000	46.00000	0.040508	45.958	0.0	0.0	0.0
-6.00000	52.00000	46.00000	0.012909	45.958	0.0	0.0	0.0
-5.00000	52.00000	46.00000	-0.021011	45.958	0.0	0.0	0.0
-4.00000	52.00000	46.00000	-0.062639	45.958	0.0	0.0	0.0
-3.00000	52.00000	46.00000	-0.11375	45.958	0.0	0.0	0.0
-2.00000	52.00000	46.00000	-0.17658	45.958	0.0	0.0	0.0
-1.00000	52.00000	46.00000	-0.25368	45.958	0.0	0.0	0.0
0.00000	52.00000	46.00000	-0.34674	45.958	0.0	0.0	0.0
1.00000	52.00000	46.00000	-0.45528	45.958	0.0	0.0	0.0
2.00000	52.00000	46.00000	-0.60660	45.958	0.0	0.0	0.0
3.00000	52.00000	46.00000	-0.85663	45.958	0.0	0.0	0.0
4.00000	52.00000	46.00000	-0.99931	45.958	0.0	0.0	0.0
5.00000	52.00000	46.00000	-1.0806	45.958	0.0	0.0	0.0
6.00000	52.00000	46.00000	-1.1287	45.958	0.0	0.0	0.0
7.00000	52.00000	46.00000	-1.1223	45.958	0.0	0.0	0.0
8.00000	52.00000	46.00000	-0.98199	45.958	0.0	0.0	0.0
9.00000	52.00000	46.00000	-0.89157	45.958	0.0	0.0	0.0
10.00000	52.00000	46.00000	-0.83774	45.958	0.0	0.0	0.0
11.00000	52.00000	46.00000	-0.77394	45.958	0.0	0.0	0.0
12.00000	52.00000	46.00000	-0.70040	45.958	0.0	0.0	0.0
13.00000	52.00000	46.00000	-0.61833	45.958	0.0	0.0	0.0
14.00000	52.00000	46.00000	-0.53000	45.958	0.0	0.0	0.0
15.00000	52.00000	46.00000	-0.43990	45.958	0.0	0.0	0.0
16.00000	52.00000	46.00000	-0.35328	45.958	0.0	0.0	0.0
17.00000	52.00000	46.00000	-0.27418	45.958	0.0	0.0	0.0
18.00000	52.00000	46.00000	-0.20449	45.958	0.0	0.0	0.0
19.00000	52.00000	46.00000	-0.14443	45.958	0.0	0.0	0.0
20.00000	52.00000	46.00000	-0.093311	45.958	0.0	0.0	0.0
21.00000	52.00000	46.00000	-0.050126	45.958	0.0	0.0	0.0
22.00000	52.00000	46.00000	-0.013840	45.958	0.0	0.0	0.0
23.00000	52.00000	46.00000	0.016502	45.958	0.0	0.0	0.0
24.00000	52.00000	46.00000	0.041741	45.958	0.0	0.0	0.0
25.00000	52.00000	46.00000	0.062603	45.958	0.0	0.0	0.0
26.00000	52.00000	46.00000	0.079711	45.958	0.0	0.0	0.0
27.00000	52.00000	46.00000	0.093598	45.958	0.0	0.0	0.0
28.00000	52.00000	46.00000	0.10472	45.958	0.0	0.0	0.0
29.00000	52.00000	46.00000	0.11348	45.958	0.0	0.0	0.0
30.00000	52.00000	46.00000	0.12021	45.958	0.0	0.0	0.0
31.00000	52.00000	46.00000	0.12522	45.958	0.0	0.0	0.0



32.00000	52.00000	46.00000	0.12875	45.958	0.0	0.0	0.0
33.00000	52.00000	46.00000	0.13103	45.958	0.0	0.0	0.0
34.00000	52.00000	46.00000	0.13225	45.958	0.0	0.0	0.0
35.00000	52.00000	46.00000	0.13259	45.958	0.0	0.0	0.0
36.00000	52.00000	46.00000	0.13218	45.958	0.0	0.0	0.0
37.00000	52.00000	46.00000	0.13116	45.958	0.0	0.0	0.0
38.00000	52.00000	46.00000	0.12962	45.958	0.0	0.0	0.0
39.00000	52.00000	46.00000	0.12767	45.958	0.0	0.0	0.0
40.00000	52.00000	46.00000	0.12538	45.958	0.0	0.0	0.0
41.00000	52.00000	46.00000	0.12283	45.958	0.0	0.0	0.0 !
42.00000	52.00000	46.00000	0.12008	45.958	0.0	0.0	0.0 !
43.00000	52.00000	46.00000	0.11716	45.958	0.0	0.0	0.0 !
44.00000	52.00000	46.00000	0.11414	45.958	0.0	0.0	0.0 !
45.00000	52.00000	46.00000	0.11103	45.958	0.0	0.0	0.0 !
46.00000	52.00000	46.00000	0.10788	45.958	0.0	0.0	0.0 !
47.00000	52.00000	46.00000	0.10472	45.958	0.0	0.0	0.0 !
48.00000	52.00000	46.00000	0.10155	45.958	0.0	0.0	0.0 !
49.00000	52.00000	46.00000	0.098404	45.958	0.0	0.0	0.0 !
50.00000	52.00000	46.00000	0.095291	45.958	0.0	0.0	0.0 !
-10.00000	53.00000	46.00000	0.088869	45.958	0.0	0.0	0.0
-9.00000	53.00000	46.00000	0.072244	45.958	0.0	0.0	0.0
-8.00000	53.00000	46.00000	0.051378	45.958	0.0	0.0	0.0
-7.00000	53.00000	46.00000	0.025373	45.958	0.0	0.0	0.0
-6.00000	53.00000	46.00000	-0.0069060	45.958	0.0	0.0	0.0
-5.00000	53.00000	46.00000	-0.046923	45.958	0.0	0.0	0.0
-4.00000	53.00000	46.00000	-0.096606	45.958	0.0	0.0	0.0
-3.00000	53.00000	46.00000	-0.15856	45.958	0.0	0.0	0.0
-2.00000	53.00000	46.00000	-0.23629	45.958	0.0	0.0	0.0
-1.00000	53.00000	46.00000	-0.33417	45.958	0.0	0.0	0.0
0.00000	53.00000	46.00000	-0.45577	45.958	0.0	0.0	0.0
1.00000	53.00000	46.00000	-0.60566	45.958	0.0	0.0	0.0
2.00000	53.00000	46.00000	-0.99784	45.958	0.0	0.0	0.0
3.00000	53.00000	46.00000	-2.3607	45.958	0.0	0.0	0.0
4.00000	53.00000	46.00000	-2.7742	45.958	0.0	0.0	0.0
5.00000	53.00000	46.00000	-2.9000	45.958	0.0	0.0	0.0
6.00000	53.00000	46.00000	-2.9729	45.958	0.0	0.0	0.0
7.00000	53.00000	46.00000	-2.8652	45.958	0.0	0.0	0.0
8.00000	53.00000	46.00000	-1.7184	45.958	0.0	0.0	0.0
9.00000	53.00000	46.00000	-1.2688	45.958	0.0	0.0	0.0
10.00000	53.00000	46.00000	-1.1909	45.958	0.0	0.0	0.0
11.00000	53.00000	46.00000	-1.1057	45.958	0.0	0.0	0.0
12.00000	53.00000	46.00000	-1.0033	45.958	0.0	0.0	0.0
13.00000	53.00000	46.00000	-0.88404	45.958	0.0	0.0	0.0
14.00000	53.00000	46.00000	-0.75162	45.958	0.0	0.0	0.0
15.00000	53.00000	46.00000	-0.61574	45.958	0.0	0.0	0.0
16.00000	53.00000	46.00000	-0.48809	45.958	0.0	0.0	0.0
17.00000	53.00000	46.00000	-0.37619	45.958	0.0	0.0	0.0
18.00000	53.00000	46.00000	-0.28192	45.958	0.0	0.0	0.0
19.00000	53.00000	46.00000	-0.20376	45.958	0.0	0.0	0.0
20.00000	53.00000	46.00000	-0.13922	45.958	0.0	0.0	0.0
21.00000	53.00000	46.00000	-0.085910	45.958	0.0	0.0	0.0
22.00000	53.00000	46.00000	-0.041855	45.958	0.0	0.0	0.0
23.00000	53.00000	46.00000	-0.0054571	45.958	0.0	0.0	0.0
24.00000	53.00000	46.00000	0.024559	45.958	0.0	0.0	0.0

25.00000	53.00000	46.00000	0.049223	45.958	0.0	0.0	0.0
26.00000	53.00000	46.00000	0.069373	45.958	0.0	0.0	0.0
27.00000	53.00000	46.00000	0.085703	45.958	0.0	0.0	0.0
28.00000	53.00000	46.00000	0.098794	45.958	0.0	0.0	0.0
29.00000	53.00000	46.00000	0.10913	45.958	0.0	0.0	0.0
30.00000	53.00000	46.00000	0.11714	45.958	0.0	0.0	0.0
31.00000	53.00000	46.00000	0.12316	45.958	0.0	0.0	0.0
32.00000	53.00000	46.00000	0.12750	45.958	0.0	0.0	0.0
33.00000	53.00000	46.00000	0.13043	45.958	0.0	0.0	0.0
34.00000	53.00000	46.00000	0.13216	45.958	0.0	0.0	0.0
35.00000	53.00000	46.00000	0.13290	45.958	0.0	0.0	0.0
36.00000	53.00000	46.00000	0.13280	45.958	0.0	0.0	0.0
37.00000	53.00000	46.00000	0.13201	45.958	0.0	0.0	0.0
38.00000	53.00000	46.00000	0.13065	45.958	0.0	0.0	0.0
39.00000	53.00000	46.00000	0.12882	45.958	0.0	0.0	0.0
40.00000	53.00000	46.00000	0.12663	45.958	0.0	0.0	0.0
41.00000	53.00000	46.00000	0.12413	45.958	0.0	0.0	0.0 !
42.00000	53.00000	46.00000	0.12140	45.958	0.0	0.0	0.0 !
43.00000	53.00000	46.00000	0.11850	45.958	0.0	0.0	0.0 !
44.00000	53.00000	46.00000	0.11547	45.958	0.0	0.0	0.0 !
45.00000	53.00000	46.00000	0.11235	45.958	0.0	0.0	0.0 !
46.00000	53.00000	46.00000	0.10918	45.958	0.0	0.0	0.0 !
47.00000	53.00000	46.00000	0.10598	45.958	0.0	0.0	0.0 !
48.00000	53.00000	46.00000	0.10277	45.958	0.0	0.0	0.0 !
49.00000	53.00000	46.00000	0.099584	45.958	0.0	0.0	0.0 !
50.00000	53.00000	46.00000	0.096427	45.958	0.0	0.0	0.0 !
-10.00000	54.00000	46.00000	0.082092	45.958	0.0	0.0	0.0
-9.00000	54.00000	46.00000	0.063144	45.958	0.0	0.0	0.0
-8.00000	54.00000	46.00000	0.039313	45.958	0.0	0.0	0.0
-7.00000	54.00000	46.00000	0.0095017	45.958	0.0	0.0	0.0
-6.00000	54.00000	46.00000	-0.027711	45.958	0.0	0.0	0.0
-5.00000	54.00000	46.00000	-0.074201	45.958	0.0	0.0	0.0
-4.00000	54.00000	46.00000	-0.13252	45.958	0.0	0.0	0.0
-3.00000	54.00000	46.00000	-0.20627	45.958	0.0	0.0	0.0
-2.00000	54.00000	46.00000	-0.30055	45.958	0.0	0.0	0.0
-1.00000	54.00000	46.00000	-0.42234	45.958	0.0	0.0	0.0
0.00000	54.00000	46.00000	-0.57884	45.958	0.0	0.0	0.0
1.00000	54.00000	46.00000	-0.78061	45.958	0.0	0.0	0.0
2.00000	54.00000	46.00000	-1.3158	45.958	0.0	0.0	0.0
3.00000	54.00000	46.00000	-3.0956	45.958	0.0	0.0	0.0
4.00000	54.00000	46.00000	-3.6756	45.958	0.0	0.0	0.0
5.00000	54.00000	46.00000	-3.8707	45.958	0.0	0.0	0.0
6.00000	54.00000	46.00000	-3.9872	45.958	0.0	0.0	0.0
7.00000	54.00000	46.00000	-3.8572	45.958	0.0	0.0	0.0
8.00000	54.00000	46.00000	-2.4001	45.958	0.0	0.0	0.0
9.00000	54.00000	46.00000	-1.8210	45.958	0.0	0.0	0.0
10.00000	54.00000	46.00000	-1.7243	45.958	0.0	0.0	0.0
11.00000	54.00000	46.00000	-1.6132	45.958	0.0	0.0	0.0
12.00000	54.00000	46.00000	-1.4698	45.958	0.0	0.0	0.0
13.00000	54.00000	46.00000	-1.2904	45.958	0.0	0.0	0.0
14.00000	54.00000	46.00000	-1.0803	45.958	0.0	0.0	0.0
15.00000	54.00000	46.00000	-0.86237	45.958	0.0	0.0	0.0
16.00000	54.00000	46.00000	-0.66468	45.958	0.0	0.0	0.0
17.00000	54.00000	46.00000	-0.50179	45.958	0.0	0.0	0.0

18.00000	54.00000	46.00000	-0.37297	45.958	0.0	0.0	0.0
19.00000	54.00000	46.00000	-0.27146	45.958	0.0	0.0	0.0
20.00000	54.00000	46.00000	-0.19065	45.958	0.0	0.0	0.0
21.00000	54.00000	46.00000	-0.12556	45.958	0.0	0.0	0.0
22.00000	54.00000	46.00000	-0.072685	45.958	0.0	0.0	0.0
23.00000	54.00000	46.00000	-0.029524	45.958	0.0	0.0	0.0
24.00000	54.00000	46.00000	0.0057723	45.958	0.0	0.0	0.0
25.00000	54.00000	46.00000	0.034605	45.958	0.0	0.0	0.0
26.00000	54.00000	46.00000	0.058073	45.958	0.0	0.0	0.0
27.00000	54.00000	46.00000	0.077054	45.958	0.0	0.0	0.0
28.00000	54.00000	46.00000	0.092267	45.958	0.0	0.0	0.0
29.00000	54.00000	46.00000	0.10431	45.958	0.0	0.0	0.0
30.00000	54.00000	46.00000	0.11367	45.958	0.0	0.0	0.0
31.00000	54.00000	46.00000	0.12078	45.958	0.0	0.0	0.0
32.00000	54.00000	46.00000	0.12599	45.958	0.0	0.0	0.0
33.00000	54.00000	46.00000	0.12961	45.958	0.0	0.0	0.0
34.00000	54.00000	46.00000	0.13188	45.958	0.0	0.0	0.0
35.00000	54.00000	46.00000	0.13304	45.958	0.0	0.0	0.0
36.00000	54.00000	46.00000	0.13327	45.958	0.0	0.0	0.0
37.00000	54.00000	46.00000	0.13273	45.958	0.0	0.0	0.0
38.00000	54.00000	46.00000	0.13155	45.958	0.0	0.0	0.0
39.00000	54.00000	46.00000	0.12987	45.958	0.0	0.0	0.0
40.00000	54.00000	46.00000	0.12777	45.958	0.0	0.0	0.0
41.00000	54.00000	46.00000	0.12533	45.958	0.0	0.0	0.0 !
42.00000	54.00000	46.00000	0.12264	45.958	0.0	0.0	0.0 !
43.00000	54.00000	46.00000	0.11976	45.958	0.0	0.0	0.0 !
44.00000	54.00000	46.00000	0.11673	45.958	0.0	0.0	0.0 !
45.00000	54.00000	46.00000	0.11360	45.958	0.0	0.0	0.0 !
46.00000	54.00000	46.00000	0.11040	45.958	0.0	0.0	0.0 !
47.00000	54.00000	46.00000	0.10717	45.958	0.0	0.0	0.0 !
48.00000	54.00000	46.00000	0.10393	45.958	0.0	0.0	0.0 !
49.00000	54.00000	46.00000	0.10070	45.958	0.0	0.0	0.0 !
50.00000	54.00000	46.00000	0.097507	45.958	0.0	0.0	0.0 !
-10.00000	55.00000	46.00000	0.075087	45.958	0.0	0.0	0.0
-9.00000	55.00000	46.00000	0.053770	45.958	0.0	0.0	0.0
-8.00000	55.00000	46.00000	0.026913	45.958	0.0	0.0	0.0
-7.00000	55.00000	46.00000	-0.0067959	45.958	0.0	0.0	0.0
-6.00000	55.00000	46.00000	-0.049074	45.958	0.0	0.0	0.0
-5.00000	55.00000	46.00000	-0.10224	45.958	0.0	0.0	0.0
-4.00000	55.00000	46.00000	-0.16952	45.958	0.0	0.0	0.0
-3.00000	55.00000	46.00000	-0.25560	45.958	0.0	0.0	0.0
-2.00000	55.00000	46.00000	-0.36751	45.958	0.0	0.0	0.0
-1.00000	55.00000	46.00000	-0.51568	45.958	0.0	0.0	0.0
0.00000	55.00000	46.00000	-0.71367	45.958	0.0	0.0	0.0
1.00000	55.00000	46.00000	-0.98247	45.958	0.0	0.0	0.0
2.00000	55.00000	46.00000	-1.6243	45.958	0.0	0.0	0.0
3.00000	55.00000	46.00000	-3.5510	45.958	0.0	0.0	0.0
4.00000	55.00000	46.00000	-4.2763	45.958	0.0	0.0	0.0
5.00000	55.00000	46.00000	-4.5823	45.958	0.0	0.0	0.0
6.00000	55.00000	46.00000	-4.7685	45.958	0.0	0.0	0.0
7.00000	55.00000	46.00000	-4.6742	45.958	0.0	0.0	0.0
8.00000	55.00000	46.00000	-3.2248	45.958	0.0	0.0	0.0
9.00000	55.00000	46.00000	-2.6422	45.958	0.0	0.0	0.0
10.00000	55.00000	46.00000	-2.5319	45.958	0.0	0.0	0.0

11.00000	55.00000	46.00000	-2.3900	45.958	0.0	0.0	0.0
12.00000	55.00000	46.00000	-2.1896	45.958	0.0	0.0	0.0
13.00000	55.00000	46.00000	-1.9144	45.958	0.0	0.0	0.0
14.00000	55.00000	46.00000	-1.5693	45.958	0.0	0.0	0.0
15.00000	55.00000	46.00000	-1.2065	45.958	0.0	0.0	0.0
16.00000	55.00000	46.00000	-0.89205	45.958	0.0	0.0	0.0
17.00000	55.00000	46.00000	-0.65245	45.958	0.0	0.0	0.0
18.00000	55.00000	46.00000	-0.47704	45.958	0.0	0.0	0.0
19.00000	55.00000	46.00000	-0.34672	45.958	0.0	0.0	0.0
20.00000	55.00000	46.00000	-0.24698	45.958	0.0	0.0	0.0
21.00000	55.00000	46.00000	-0.16866	45.958	0.0	0.0	0.0
22.00000	55.00000	46.00000	-0.10606	45.958	0.0	0.0	0.0
23.00000	55.00000	46.00000	-0.055511	45.958	0.0	0.0	0.0
24.00000	55.00000	46.00000	-0.014482	45.958	0.0	0.0	0.0
25.00000	55.00000	46.00000	0.018860	45.958	0.0	0.0	0.0
26.00000	55.00000	46.00000	0.045901	45.958	0.0	0.0	0.0
27.00000	55.00000	46.00000	0.067726	45.958	0.0	0.0	0.0
28.00000	55.00000	46.00000	0.085207	45.958	0.0	0.0	0.0
29.00000	55.00000	46.00000	0.099057	45.958	0.0	0.0	0.0
30.00000	55.00000	46.00000	0.10987	45.958	0.0	0.0	0.0
31.00000	55.00000	46.00000	0.11812	45.958	0.0	0.0	0.0
32.00000	55.00000	46.00000	0.12425	45.958	0.0	0.0	0.0
33.00000	55.00000	46.00000	0.12858	45.958	0.0	0.0	0.0
34.00000	55.00000	46.00000	0.13143	45.958	0.0	0.0	0.0
35.00000	55.00000	46.00000	0.13303	45.958	0.0	0.0	0.0
36.00000	55.00000	46.00000	0.13360	45.958	0.0	0.0	0.0
37.00000	55.00000	46.00000	0.13332	45.958	0.0	0.0	0.0
38.00000	55.00000	46.00000	0.13235	45.958	0.0	0.0	0.0
39.00000	55.00000	46.00000	0.13080	45.958	0.0	0.0	0.0
40.00000	55.00000	46.00000	0.12880	45.958	0.0	0.0	0.0
41.00000	55.00000	46.00000	0.12644	45.958	0.0	0.0	0.0 !
42.00000	55.00000	46.00000	0.12380	45.958	0.0	0.0	0.0 !
43.00000	55.00000	46.00000	0.12093	45.958	0.0	0.0	0.0 !
44.00000	55.00000	46.00000	0.11791	45.958	0.0	0.0	0.0 !
45.00000	55.00000	46.00000	0.11477	45.958	0.0	0.0	0.0 !
46.00000	55.00000	46.00000	0.11155	45.958	0.0	0.0	0.0 !
47.00000	55.00000	46.00000	0.10830	45.958	0.0	0.0	0.0 !
48.00000	55.00000	46.00000	0.10503	45.958	0.0	0.0	0.0 !
49.00000	55.00000	46.00000	0.10176	45.958	0.0	0.0	0.0 !
50.00000	55.00000	46.00000	0.098526	45.958	0.0	0.0	0.0 !
-10.00000	56.00000	46.00000	0.067988	45.958	0.0	0.0	0.0
-9.00000	56.00000	46.00000	0.044305	45.958	0.0	0.0	0.0
-8.00000	56.00000	46.00000	0.014422	45.958	0.0	0.0	0.0
-7.00000	56.00000	46.00000	-0.023180	45.958	0.0	0.0	0.0
-6.00000	56.00000	46.00000	-0.070520	45.958	0.0	0.0	0.0
-5.00000	56.00000	46.00000	-0.13035	45.958	0.0	0.0	0.0
-4.00000	56.00000	46.00000	-0.20659	45.958	0.0	0.0	0.0
-3.00000	56.00000	46.00000	-0.30505	45.958	0.0	0.0	0.0
-2.00000	56.00000	46.00000	-0.43481	45.958	0.0	0.0	0.0
-1.00000	56.00000	46.00000	-0.61048	45.958	0.0	0.0	0.0
0.00000	56.00000	46.00000	-0.85461	45.958	0.0	0.0	0.0
1.00000	56.00000	46.00000	-1.2057	45.958	0.0	0.0	0.0
2.00000	56.00000	46.00000	-1.9802	45.958	0.0	0.0	0.0
3.00000	56.00000	46.00000	-4.0781	45.958	0.0	0.0	0.0

4.00000	56.00000	46.00000	-5.0047	45.958	0.0	0.0	0.0
5.00000	56.00000	46.00000	-5.4687	45.958	0.0	0.0	0.0
6.00000	56.00000	46.00000	-5.7484	45.958	0.0	0.0	0.0
7.00000	56.00000	46.00000	-5.7092	45.958	0.0	0.0	0.0
8.00000	56.00000	46.00000	-4.3127	45.958	0.0	0.0	0.0
9.00000	56.00000	46.00000	-3.7493	45.958	0.0	0.0	0.0
10.00000	56.00000	46.00000	-3.6276	45.958	0.0	0.0	0.0
11.00000	56.00000	46.00000	-3.4510	45.958	0.0	0.0	0.0
12.00000	56.00000	46.00000	-3.1777	45.958	0.0	0.0	0.0
13.00000	56.00000	46.00000	-2.7686	45.958	0.0	0.0	0.0
14.00000	56.00000	46.00000	-2.2236	45.958	0.0	0.0	0.0
15.00000	56.00000	46.00000	-1.6441	45.958	0.0	0.0	0.0
16.00000	56.00000	46.00000	-1.1631	45.958	0.0	0.0	0.0
17.00000	56.00000	46.00000	-0.82243	45.958	0.0	0.0	0.0
18.00000	56.00000	46.00000	-0.59057	45.958	0.0	0.0	0.0
19.00000	56.00000	46.00000	-0.42755	45.958	0.0	0.0	0.0
20.00000	56.00000	46.00000	-0.30716	45.958	0.0	0.0	0.0
21.00000	56.00000	46.00000	-0.21463	45.958	0.0	0.0	0.0
22.00000	56.00000	46.00000	-0.14165	45.958	0.0	0.0	0.0
23.00000	56.00000	46.00000	-0.083207	45.958	0.0	0.0	0.0
24.00000	56.00000	46.00000	-0.036045	45.958	0.0	0.0	0.0
25.00000	56.00000	46.00000	0.0021157	45.958	0.0	0.0	0.0
26.00000	56.00000	46.00000	0.032966	45.958	0.0	0.0	0.0
27.00000	56.00000	46.00000	0.057812	45.958	0.0	0.0	0.0
28.00000	56.00000	46.00000	0.077692	45.958	0.0	0.0	0.0
29.00000	56.00000	46.00000	0.093447	45.958	0.0	0.0	0.0
30.00000	56.00000	46.00000	0.10577	45.958	0.0	0.0	0.0
31.00000	56.00000	46.00000	0.11523	45.958	0.0	0.0	0.0
32.00000	56.00000	46.00000	0.12230	45.958	0.0	0.0	0.0
33.00000	56.00000	46.00000	0.12738	45.958	0.0	0.0	0.0
34.00000	56.00000	46.00000	0.13082	45.958	0.0	0.0	0.0
35.00000	56.00000	46.00000	0.13288	45.958	0.0	0.0	0.0
36.00000	56.00000	46.00000	0.13380	45.958	0.0	0.0	0.0
37.00000	56.00000	46.00000	0.13380	45.958	0.0	0.0	0.0
38.00000	56.00000	46.00000	0.13303	45.958	0.0	0.0	0.0
39.00000	56.00000	46.00000	0.13164	45.958	0.0	0.0	0.0
40.00000	56.00000	46.00000	0.12975	45.958	0.0	0.0	0.0
41.00000	56.00000	46.00000	0.12746	45.958	0.0	0.0	0.0 !
42.00000	56.00000	46.00000	0.12486	45.958	0.0	0.0	0.0 !
43.00000	56.00000	46.00000	0.12202	45.958	0.0	0.0	0.0 !
44.00000	56.00000	46.00000	0.11900	45.958	0.0	0.0	0.0 !
45.00000	56.00000	46.00000	0.11586	45.958	0.0	0.0	0.0 !
46.00000	56.00000	46.00000	0.11263	45.958	0.0	0.0	0.0 !
47.00000	56.00000	46.00000	0.10935	45.958	0.0	0.0	0.0 !
48.00000	56.00000	46.00000	0.10605	45.958	0.0	0.0	0.0 !
49.00000	56.00000	46.00000	0.10276	45.958	0.0	0.0	0.0 !
50.00000	56.00000	46.00000	0.099483	45.958	0.0	0.0	0.0 !
-10.00000	57.00000	46.00000	0.060933	45.958	0.0	0.0	0.0
-9.00000	57.00000	46.00000	0.034934	45.958	0.0	0.0	0.0
-8.00000	57.00000	46.00000	0.0020943	45.958	0.0	0.0	0.0
-7.00000	57.00000	46.00000	-0.039307	45.958	0.0	0.0	0.0
-6.00000	57.00000	46.00000	-0.091571	45.958	0.0	0.0	0.0
-5.00000	57.00000	46.00000	-0.15787	45.958	0.0	0.0	0.0
-4.00000	57.00000	46.00000	-0.24274	45.958	0.0	0.0	0.0

-3.00000	57.00000	46.00000	-0.35307	45.958	0.0	0.0	0.0
-2.00000	57.00000	46.00000	-0.49990	45.958	0.0	0.0	0.0
-1.00000	57.00000	46.00000	-0.70202	45.958	0.0	0.0	0.0
0.00000	57.00000	46.00000	-0.99173	45.958	0.0	0.0	0.0
1.00000	57.00000	46.00000	-1.4248	45.958	0.0	0.0	0.0
2.00000	57.00000	46.00000	-2.2162	45.958	0.0	0.0	0.0
3.00000	57.00000	46.00000	-3.8511	45.958	0.0	0.0	0.0
4.00000	57.00000	46.00000	-4.8573	45.958	0.0	0.0	0.0
5.00000	57.00000	46.00000	-5.4886	45.958	0.0	0.0	0.0
6.00000	57.00000	46.00000	-5.8688	45.958	0.0	0.0	0.0
7.00000	57.00000	46.00000	-5.9627	45.958	0.0	0.0	0.0
8.00000	57.00000	46.00000	-5.2436	45.958	0.0	0.0	0.0
9.00000	57.00000	46.00000	-4.9254	45.958	0.0	0.0	0.0
10.00000	57.00000	46.00000	-4.8006	45.958	0.0	0.0	0.0
11.00000	57.00000	46.00000	-4.5885	45.958	0.0	0.0	0.0
12.00000	57.00000	46.00000	-4.2374	45.958	0.0	0.0	0.0
13.00000	57.00000	46.00000	-3.6825	45.958	0.0	0.0	0.0
14.00000	57.00000	46.00000	-2.9187	45.958	0.0	0.0	0.0
15.00000	57.00000	46.00000	-2.1029	45.958	0.0	0.0	0.0
16.00000	57.00000	46.00000	-1.4430	45.958	0.0	0.0	0.0
17.00000	57.00000	46.00000	-0.99647	45.958	0.0	0.0	0.0
18.00000	57.00000	46.00000	-0.70699	45.958	0.0	0.0	0.0
19.00000	57.00000	46.00000	-0.51111	45.958	0.0	0.0	0.0
20.00000	57.00000	46.00000	-0.36994	45.958	0.0	0.0	0.0
21.00000	57.00000	46.00000	-0.26293	45.958	0.0	0.0	0.0
22.00000	57.00000	46.00000	-0.17917	45.958	0.0	0.0	0.0
23.00000	57.00000	46.00000	-0.11242	45.958	0.0	0.0	0.0
24.00000	57.00000	46.00000	-0.058764	45.958	0.0	0.0	0.0
25.00000	57.00000	46.00000	-0.015489	45.958	0.0	0.0	0.0
26.00000	57.00000	46.00000	0.019394	45.958	0.0	0.0	0.0
27.00000	57.00000	46.00000	0.047423	45.958	0.0	0.0	0.0
28.00000	57.00000	46.00000	0.069817	45.958	0.0	0.0	0.0
29.00000	57.00000	46.00000	0.087558	45.958	0.0	0.0	0.0
30.00000	57.00000	46.00000	0.10145	45.958	0.0	0.0	0.0
31.00000	57.00000	46.00000	0.11214	45.958	0.0	0.0	0.0
32.00000	57.00000	46.00000	0.12019	45.958	0.0	0.0	0.0
33.00000	57.00000	46.00000	0.12604	45.958	0.0	0.0	0.0
34.00000	57.00000	46.00000	0.13008	45.958	0.0	0.0	0.0
35.00000	57.00000	46.00000	0.13260	45.958	0.0	0.0	0.0
36.00000	57.00000	46.00000	0.13389	45.958	0.0	0.0	0.0
37.00000	57.00000	46.00000	0.13416	45.958	0.0	0.0	0.0
38.00000	57.00000	46.00000	0.13360	45.958	0.0	0.0	0.0
39.00000	57.00000	46.00000	0.13237	45.958	0.0	0.0	0.0
40.00000	57.00000	46.00000	0.13059	45.958	0.0	0.0	0.0
41.00000	57.00000	46.00000	0.12838	45.958	0.0	0.0	0.0 !
42.00000	57.00000	46.00000	0.12583	45.958	0.0	0.0	0.0 !
43.00000	57.00000	46.00000	0.12302	45.958	0.0	0.0	0.0 !
44.00000	57.00000	46.00000	0.12001	45.958	0.0	0.0	0.0 !
45.00000	57.00000	46.00000	0.11687	45.958	0.0	0.0	0.0 !
46.00000	57.00000	46.00000	0.11363	45.958	0.0	0.0	0.0 !
47.00000	57.00000	46.00000	0.11033	45.958	0.0	0.0	0.0 !
48.00000	57.00000	46.00000	0.10700	45.958	0.0	0.0	0.0 !
49.00000	57.00000	46.00000	0.10368	45.958	0.0	0.0	0.0 !
50.00000	57.00000	46.00000	0.10038	45.958	0.0	0.0	0.0 !

-10.00000	58.00000	46.00000	0.054057	45.958	0.0	0.0	0.0
-9.00000	58.00000	46.00000	0.025836	45.958	0.0	0.0	0.0
-8.00000	58.00000	46.00000	-0.0098311	45.958	0.0	0.0	0.0
-7.00000	58.00000	46.00000	-0.054850	45.958	0.0	0.0	0.0
-6.00000	58.00000	46.00000	-0.11178	45.958	0.0	0.0	0.0
-5.00000	58.00000	46.00000	-0.18415	45.958	0.0	0.0	0.0
-4.00000	58.00000	46.00000	-0.27706	45.958	0.0	0.0	0.0
-3.00000	58.00000	46.00000	-0.39829	45.958	0.0	0.0	0.0
-2.00000	58.00000	46.00000	-0.56049	45.958	0.0	0.0	0.0
-1.00000	58.00000	46.00000	-0.78583	45.958	0.0	0.0	0.0
0.00000	58.00000	46.00000	-1.1144	45.958	0.0	0.0	0.0
1.00000	58.00000	46.00000	-1.6141	45.958	0.0	0.0	0.0
2.00000	58.00000	46.00000	-2.3761	45.958	0.0	0.0	0.0
3.00000	58.00000	46.00000	-3.4042	45.958	0.0	0.0	0.0
4.00000	58.00000	46.00000	-4.4192	45.958	0.0	0.0	0.0
5.00000	58.00000	46.00000	-5.1814	45.958	0.0	0.0	0.0
6.00000	58.00000	46.00000	-5.6452	45.958	0.0	0.0	0.0
7.00000	58.00000	46.00000	-5.8748	45.958	0.0	0.0	0.0
8.00000	58.00000	46.00000	-5.9197	45.958	0.0	0.0	0.0
9.00000	58.00000	46.00000	-5.8759	45.958	0.0	0.0	0.0
10.00000	58.00000	46.00000	-5.7505	45.958	0.0	0.0	0.0
11.00000	58.00000	46.00000	-5.5070	45.958	0.0	0.0	0.0
12.00000	58.00000	46.00000	-5.0883	45.958	0.0	0.0	0.0
13.00000	58.00000	46.00000	-4.4145	45.958	0.0	0.0	0.0
14.00000	58.00000	46.00000	-3.4809	45.958	0.0	0.0	0.0
15.00000	58.00000	46.00000	-2.4854	45.958	0.0	0.0	0.0
16.00000	58.00000	46.00000	-1.6874	45.958	0.0	0.0	0.0
17.00000	58.00000	46.00000	-1.1565	45.958	0.0	0.0	0.0
18.00000	58.00000	46.00000	-0.81924	45.958	0.0	0.0	0.0
19.00000	58.00000	46.00000	-0.59482	45.958	0.0	0.0	0.0
20.00000	58.00000	46.00000	-0.43449	45.958	0.0	0.0	0.0
21.00000	58.00000	46.00000	-0.31331	45.958	0.0	0.0	0.0
22.00000	58.00000	46.00000	-0.21852	45.958	0.0	0.0	0.0
23.00000	58.00000	46.00000	-0.14305	45.958	0.0	0.0	0.0
24.00000	58.00000	46.00000	-0.082503	45.958	0.0	0.0	0.0
25.00000	58.00000	46.00000	-0.033807	45.958	0.0	0.0	0.0
26.00000	58.00000	46.00000	0.0053300	45.958	0.0	0.0	0.0
27.00000	58.00000	46.00000	0.036691	45.958	0.0	0.0	0.0
28.00000	58.00000	46.00000	0.061696	45.958	0.0	0.0	0.0
29.00000	58.00000	46.00000	0.081484	45.958	0.0	0.0	0.0
30.00000	58.00000	46.00000	0.096980	45.958	0.0	0.0	0.0
31.00000	58.00000	46.00000	0.10894	45.958	0.0	0.0	0.0
32.00000	58.00000	46.00000	0.11797	45.958	0.0	0.0	0.0
33.00000	58.00000	46.00000	0.12460	45.958	0.0	0.0	0.0
34.00000	58.00000	46.00000	0.12924	45.958	0.0	0.0	0.0
35.00000	58.00000	46.00000	0.13223	45.958	0.0	0.0	0.0
36.00000	58.00000	46.00000	0.13389	45.958	0.0	0.0	0.0
37.00000	58.00000	46.00000	0.13444	45.958	0.0	0.0	0.0
38.00000	58.00000	46.00000	0.13409	45.958	0.0	0.0	0.0
39.00000	58.00000	46.00000	0.13301	45.958	0.0	0.0	0.0
40.00000	58.00000	46.00000	0.13134	45.958	0.0	0.0	0.0
41.00000	58.00000	46.00000	0.12921	45.958	0.0	0.0	0.0 !
42.00000	58.00000	46.00000	0.12671	45.958	0.0	0.0	0.0 !
43.00000	58.00000	46.00000	0.12393	45.958	0.0	0.0	0.0 !

44.00000	58.00000	46.00000	0.12094	45.958	0.0	0.0	0.0	!
45.00000	58.00000	46.00000	0.11780	45.958	0.0	0.0	0.0	!
46.00000	58.00000	46.00000	0.11455	45.958	0.0	0.0	0.0	!
47.00000	58.00000	46.00000	0.11123	45.958	0.0	0.0	0.0	!
48.00000	58.00000	46.00000	0.10789	45.958	0.0	0.0	0.0	!
49.00000	58.00000	46.00000	0.10453	45.958	0.0	0.0	0.0	!
50.00000	58.00000	46.00000	0.10120	45.958	0.0	0.0	0.0	!
-10.00000	59.00000	46.00000	0.047487	45.958	0.0	0.0	0.0	
-9.00000	59.00000	46.00000	0.017177	45.958	0.0	0.0	0.0	
-8.00000	59.00000	46.00000	-0.021135	45.958	0.0	0.0	0.0	
-7.00000	59.00000	46.00000	-0.069518	45.958	0.0	0.0	0.0	
-6.00000	59.00000	46.00000	-0.13075	45.958	0.0	0.0	0.0	
-5.00000	59.00000	46.00000	-0.20867	45.958	0.0	0.0	0.0	
-4.00000	59.00000	46.00000	-0.30882	45.958	0.0	0.0	0.0	
-3.00000	59.00000	46.00000	-0.43966	45.958	0.0	0.0	0.0	
-2.00000	59.00000	46.00000	-0.61501	45.958	0.0	0.0	0.0	
-1.00000	59.00000	46.00000	-0.85923	45.958	0.0	0.0	0.0	
0.00000	59.00000	46.00000	-1.2170	45.958	0.0	0.0	0.0	
1.00000	59.00000	46.00000	-1.7643	45.958	0.0	0.0	0.0	
2.00000	59.00000	46.00000	-2.5893	45.958	0.0	0.0	0.0	
3.00000	59.00000	46.00000	-3.6755	45.958	0.0	0.0	0.0	
4.00000	59.00000	46.00000	-4.7813	45.958	0.0	0.0	0.0	
5.00000	59.00000	46.00000	-5.6272	45.958	0.0	0.0	0.0	
6.00000	59.00000	46.00000	-6.1478	45.958	0.0	0.0	0.0	
7.00000	59.00000	46.00000	-6.4210	45.958	0.0	0.0	0.0	
8.00000	59.00000	46.00000	-6.5270	45.958	0.0	0.0	0.0	
9.00000	59.00000	46.00000	-6.5093	45.958	0.0	0.0	0.0	
10.00000	59.00000	46.00000	-6.3773	45.958	0.0	0.0	0.0	
11.00000	59.00000	46.00000	-6.1074	45.958	0.0	0.0	0.0	
12.00000	59.00000	46.00000	-5.6374	45.958	0.0	0.0	0.0	
13.00000	59.00000	46.00000	-4.8830	45.958	0.0	0.0	0.0	
14.00000	59.00000	46.00000	-3.8461	45.958	0.0	0.0	0.0	
15.00000	59.00000	46.00000	-2.7480	45.958	0.0	0.0	0.0	
16.00000	59.00000	46.00000	-1.8716	45.958	0.0	0.0	0.0	
17.00000	59.00000	46.00000	-1.2912	45.958	0.0	0.0	0.0	
18.00000	59.00000	46.00000	-0.92356	45.958	0.0	0.0	0.0	
19.00000	59.00000	46.00000	-0.67812	45.958	0.0	0.0	0.0	
20.00000	59.00000	46.00000	-0.50115	45.958	0.0	0.0	0.0	
21.00000	59.00000	46.00000	-0.36611	45.958	0.0	0.0	0.0	
22.00000	59.00000	46.00000	-0.25983	45.958	0.0	0.0	0.0	
23.00000	59.00000	46.00000	-0.17507	45.958	0.0	0.0	0.0	
24.00000	59.00000	46.00000	-0.10713	45.958	0.0	0.0	0.0	
25.00000	59.00000	46.00000	-0.052667	45.958	0.0	0.0	0.0	
26.00000	59.00000	46.00000	-0.0090534	45.958	0.0	0.0	0.0	
27.00000	59.00000	46.00000	0.025774	45.958	0.0	0.0	0.0	
28.00000	59.00000	46.00000	0.053464	45.958	0.0	0.0	0.0	
29.00000	59.00000	46.00000	0.075337	45.958	0.0	0.0	0.0	
30.00000	59.00000	46.00000	0.092455	45.958	0.0	0.0	0.0	
31.00000	59.00000	46.00000	0.10568	45.958	0.0	0.0	0.0	
32.00000	59.00000	46.00000	0.11570	45.958	0.0	0.0	0.0	
33.00000	59.00000	46.00000	0.12309	45.958	0.0	0.0	0.0	
34.00000	59.00000	46.00000	0.12833	45.958	0.0	0.0	0.0	
35.00000	59.00000	46.00000	0.13179	45.958	0.0	0.0	0.0	
36.00000	59.00000	46.00000	0.13380	45.958	0.0	0.0	0.0	



37.00000	59.00000	46.00000	0.13463	45.958	0.0	0.0	0.0
38.00000	59.00000	46.00000	0.13448	45.958	0.0	0.0	0.0
39.00000	59.00000	46.00000	0.13356	45.958	0.0	0.0	0.0
40.00000	59.00000	46.00000	0.13200	45.958	0.0	0.0	0.0
41.00000	59.00000	46.00000	0.12995	45.958	0.0	0.0	0.0 !
42.00000	59.00000	46.00000	0.12751	45.958	0.0	0.0	0.0 !
43.00000	59.00000	46.00000	0.12476	45.958	0.0	0.0	0.0 !
44.00000	59.00000	46.00000	0.12178	45.958	0.0	0.0	0.0 !
45.00000	59.00000	46.00000	0.11864	45.958	0.0	0.0	0.0 !
46.00000	59.00000	46.00000	0.11539	45.958	0.0	0.0	0.0 !
47.00000	59.00000	46.00000	0.11206	45.958	0.0	0.0	0.0 !
48.00000	59.00000	46.00000	0.10869	45.958	0.0	0.0	0.0 !
49.00000	59.00000	46.00000	0.10532	45.958	0.0	0.0	0.0 !
50.00000	59.00000	46.00000	0.10196	45.958	0.0	0.0	0.0 !
-10.00000	60.00000	46.00000	0.041334	45.958	0.0	0.0	0.0
-9.00000	60.00000	46.00000	0.0091018	45.958	0.0	0.0	0.0
-8.00000	60.00000	46.00000	-0.031632	45.958	0.0	0.0	0.0
-7.00000	60.00000	46.00000	-0.083071	45.958	0.0	0.0	0.0
-6.00000	60.00000	46.00000	-0.14817	45.958	0.0	0.0	0.0
-5.00000	60.00000	46.00000	-0.23103	45.958	0.0	0.0	0.0
-4.00000	60.00000	46.00000	-0.33752	45.958	0.0	0.0	0.0
-3.00000	60.00000	46.00000	-0.47657	45.958	0.0	0.0	0.0
-2.00000	60.00000	46.00000	-0.66274	45.958	0.0	0.0	0.0
-1.00000	60.00000	46.00000	-0.92162	45.958	0.0	0.0	0.0
0.00000	60.00000	46.00000	-1.3000	45.958	0.0	0.0	0.0
1.00000	60.00000	46.00000	-1.8773	45.958	0.0	0.0	0.0
2.00000	60.00000	46.00000	-2.7443	45.958	0.0	0.0	0.0
3.00000	60.00000	46.00000	-3.8827	45.958	0.0	0.0	0.0
4.00000	60.00000	46.00000	-5.0428	45.958	0.0	0.0	0.0
5.00000	60.00000	46.00000	-5.9355	45.958	0.0	0.0	0.0
6.00000	60.00000	46.00000	-6.4915	45.958	0.0	0.0	0.0
7.00000	60.00000	46.00000	-6.7891	45.958	0.0	0.0	0.0
8.00000	60.00000	46.00000	-6.9096	45.958	0.0	0.0	0.0
9.00000	60.00000	46.00000	-6.8956	45.958	0.0	0.0	0.0
10.00000	60.00000	46.00000	-6.7544	45.958	0.0	0.0	0.0
11.00000	60.00000	46.00000	-6.4591	45.958	0.0	0.0	0.0
12.00000	60.00000	46.00000	-5.9447	45.958	0.0	0.0	0.0
13.00000	60.00000	46.00000	-5.1302	45.958	0.0	0.0	0.0
14.00000	60.00000	46.00000	-4.0315	45.958	0.0	0.0	0.0
15.00000	60.00000	46.00000	-2.8883	45.958	0.0	0.0	0.0
16.00000	60.00000	46.00000	-1.9901	45.958	0.0	0.0	0.0
17.00000	60.00000	46.00000	-1.4015	45.958	0.0	0.0	0.0
18.00000	60.00000	46.00000	-1.0259	45.958	0.0	0.0	0.0
19.00000	60.00000	46.00000	-0.76702	45.958	0.0	0.0	0.0
20.00000	60.00000	46.00000	-0.57338	45.958	0.0	0.0	0.0
21.00000	60.00000	46.00000	-0.42270	45.958	0.0	0.0	0.0
22.00000	60.00000	46.00000	-0.30351	45.958	0.0	0.0	0.0
23.00000	60.00000	46.00000	-0.20843	45.958	0.0	0.0	0.0
24.00000	60.00000	46.00000	-0.13247	45.958	0.0	0.0	0.0
25.00000	60.00000	46.00000	-0.071837	45.958	0.0	0.0	0.0
26.00000	60.00000	46.00000	-0.023531	45.958	0.0	0.0	0.0
27.00000	60.00000	46.00000	0.014866	45.958	0.0	0.0	0.0
28.00000	60.00000	46.00000	0.045281	45.958	0.0	0.0	0.0
29.00000	60.00000	46.00000	0.069245	45.958	0.0	0.0	0.0

30.00000	60.00000	46.00000	0.087974	45.958	0.0	0.0	0.0
31.00000	60.00000	46.00000	0.10244	45.958	0.0	0.0	0.0
32.00000	60.00000	46.00000	0.11343	45.958	0.0	0.0	0.0
33.00000	60.00000	46.00000	0.12157	45.958	0.0	0.0	0.0
34.00000	60.00000	46.00000	0.12739	45.958	0.0	0.0	0.0
35.00000	60.00000	46.00000	0.13130	45.958	0.0	0.0	0.0
36.00000	60.00000	46.00000	0.13366	45.958	0.0	0.0	0.0
37.00000	60.00000	46.00000	0.13475	45.958	0.0	0.0	0.0
38.00000	60.00000	46.00000	0.13480	45.958	0.0	0.0	0.0
39.00000	60.00000	46.00000	0.13403	45.958	0.0	0.0	0.0
40.00000	60.00000	46.00000	0.13258	45.958	0.0	0.0	0.0
41.00000	60.00000	46.00000	0.13061	45.958	0.0	0.0	0.0 !
42.00000	60.00000	46.00000	0.12822	45.958	0.0	0.0	0.0 !
43.00000	60.00000	46.00000	0.12550	45.958	0.0	0.0	0.0 !
44.00000	60.00000	46.00000	0.12254	45.958	0.0	0.0	0.0 !
45.00000	60.00000	46.00000	0.11940	45.958	0.0	0.0	0.0 !
46.00000	60.00000	46.00000	0.11614	45.958	0.0	0.0	0.0 !
47.00000	60.00000	46.00000	0.11280	45.958	0.0	0.0	0.0 !
48.00000	60.00000	46.00000	0.10942	45.958	0.0	0.0	0.0 !
49.00000	60.00000	46.00000	0.10602	45.958	0.0	0.0	0.0 !
50.00000	60.00000	46.00000	0.10264	45.958	0.0	0.0	0.0 !
-10.00000	61.00000	46.00000	0.035695	45.958	0.0	0.0	0.0
-9.00000	61.00000	46.00000	0.0017312	45.958	0.0	0.0	0.0
-8.00000	61.00000	46.00000	-0.041169	45.958	0.0	0.0	0.0
-7.00000	61.00000	46.00000	-0.095324	45.958	0.0	0.0	0.0
-6.00000	61.00000	46.00000	-0.16383	45.958	0.0	0.0	0.0
-5.00000	61.00000	46.00000	-0.25097	45.958	0.0	0.0	0.0
-4.00000	61.00000	46.00000	-0.36286	45.958	0.0	0.0	0.0
-3.00000	61.00000	46.00000	-0.50874	45.958	0.0	0.0	0.0
-2.00000	61.00000	46.00000	-0.70362	45.958	0.0	0.0	0.0
-1.00000	61.00000	46.00000	-0.97369	45.958	0.0	0.0	0.0
0.00000	61.00000	46.00000	-1.3666	45.958	0.0	0.0	0.0
1.00000	61.00000	46.00000	-1.9628	45.958	0.0	0.0	0.0
2.00000	61.00000	46.00000	-2.8536	45.958	0.0	0.0	0.0
3.00000	61.00000	46.00000	-4.0197	45.958	0.0	0.0	0.0
4.00000	61.00000	46.00000	-5.2084	45.958	0.0	0.0	0.0
5.00000	61.00000	46.00000	-6.1270	45.958	0.0	0.0	0.0
6.00000	61.00000	46.00000	-6.7040	45.958	0.0	0.0	0.0
7.00000	61.00000	46.00000	-7.0166	45.958	0.0	0.0	0.0
8.00000	61.00000	46.00000	-7.1450	45.958	0.0	0.0	0.0
9.00000	61.00000	46.00000	-7.1297	45.958	0.0	0.0	0.0
10.00000	61.00000	46.00000	-6.9745	45.958	0.0	0.0	0.0
11.00000	61.00000	46.00000	-6.6466	45.958	0.0	0.0	0.0
12.00000	61.00000	46.00000	-6.0754	45.958	0.0	0.0	0.0
13.00000	61.00000	46.00000	-5.1861	45.958	0.0	0.0	0.0
14.00000	61.00000	46.00000	-4.0295	45.958	0.0	0.0	0.0
15.00000	61.00000	46.00000	-2.8878	45.958	0.0	0.0	0.0
16.00000	61.00000	46.00000	-2.0508	45.958	0.0	0.0	0.0
17.00000	61.00000	46.00000	-1.5325	45.958	0.0	0.0	0.0
18.00000	61.00000	46.00000	-1.1843	45.958	0.0	0.0	0.0
19.00000	61.00000	46.00000	-0.90327	45.958	0.0	0.0	0.0
20.00000	61.00000	46.00000	-0.66757	45.958	0.0	0.0	0.0
21.00000	61.00000	46.00000	-0.48696	45.958	0.0	0.0	0.0
22.00000	61.00000	46.00000	-0.35002	45.958	0.0	0.0	0.0

23.00000	61.00000	46.00000	-0.24292	45.958	0.0	0.0	0.0
24.00000	61.00000	46.00000	-0.15813	45.958	0.0	0.0	0.0
25.00000	61.00000	46.00000	-0.090958	45.958	0.0	0.0	0.0
26.00000	61.00000	46.00000	-0.037800	45.958	0.0	0.0	0.0
27.00000	61.00000	46.00000	0.0042108	45.958	0.0	0.0	0.0
28.00000	61.00000	46.00000	0.037338	45.958	0.0	0.0	0.0
29.00000	61.00000	46.00000	0.063354	45.958	0.0	0.0	0.0
30.00000	61.00000	46.00000	0.083649	45.958	0.0	0.0	0.0
31.00000	61.00000	46.00000	0.099317	45.958	0.0	0.0	0.0
32.00000	61.00000	46.00000	0.11123	45.958	0.0	0.0	0.0
33.00000	61.00000	46.00000	0.12009	45.958	0.0	0.0	0.0
34.00000	61.00000	46.00000	0.12646	45.958	0.0	0.0	0.0
35.00000	61.00000	46.00000	0.13080	45.958	0.0	0.0	0.0
36.00000	61.00000	46.00000	0.13348	45.958	0.0	0.0	0.0
37.00000	61.00000	46.00000	0.13482	45.958	0.0	0.0	0.0
38.00000	61.00000	46.00000	0.13506	45.958	0.0	0.0	0.0
39.00000	61.00000	46.00000	0.13443	45.958	0.0	0.0	0.0
40.00000	61.00000	46.00000	0.13308	45.958	0.0	0.0	0.0
41.00000	61.00000	46.00000	0.13118	45.958	0.0	0.0	0.0 !
42.00000	61.00000	46.00000	0.12884	45.958	0.0	0.0	0.0 !
43.00000	61.00000	46.00000	0.12616	45.958	0.0	0.0	0.0 !
44.00000	61.00000	46.00000	0.12321	45.958	0.0	0.0	0.0 !
45.00000	61.00000	46.00000	0.12008	45.958	0.0	0.0	0.0 !
46.00000	61.00000	46.00000	0.11682	45.958	0.0	0.0	0.0 !
47.00000	61.00000	46.00000	0.11347	45.958	0.0	0.0	0.0 !
48.00000	61.00000	46.00000	0.11007	45.958	0.0	0.0	0.0 !
49.00000	61.00000	46.00000	0.10665	45.958	0.0	0.0	0.0 !
50.00000	61.00000	46.00000	0.10325	45.958	0.0	0.0	0.0 !
-10.00000	62.00000	46.00000	0.030648	45.958	0.0	0.0	0.0
-9.00000	62.00000	46.00000	-0.0048389	45.958	0.0	0.0	0.0
-8.00000	62.00000	46.00000	-0.049634	45.958	0.0	0.0	0.0
-7.00000	62.00000	46.00000	-0.10614	45.958	0.0	0.0	0.0
-6.00000	62.00000	46.00000	-0.17758	45.958	0.0	0.0	0.0
-5.00000	62.00000	46.00000	-0.26834	45.958	0.0	0.0	0.0
-4.00000	62.00000	46.00000	-0.38473	45.958	0.0	0.0	0.0
-3.00000	62.00000	46.00000	-0.53618	45.958	0.0	0.0	0.0
-2.00000	62.00000	46.00000	-0.73794	45.958	0.0	0.0	0.0
-1.00000	62.00000	46.00000	-1.0165	45.958	0.0	0.0	0.0
0.00000	62.00000	46.00000	-1.4198	45.958	0.0	0.0	0.0
1.00000	62.00000	46.00000	-2.0285	45.958	0.0	0.0	0.0
2.00000	62.00000	46.00000	-2.9339	45.958	0.0	0.0	0.0
3.00000	62.00000	46.00000	-4.1162	45.958	0.0	0.0	0.0
4.00000	62.00000	46.00000	-5.3212	45.958	0.0	0.0	0.0
5.00000	62.00000	46.00000	-6.2547	45.958	0.0	0.0	0.0
6.00000	62.00000	46.00000	-6.8438	45.958	0.0	0.0	0.0
7.00000	62.00000	46.00000	-7.1644	45.958	0.0	0.0	0.0
8.00000	62.00000	46.00000	-7.2949	45.958	0.0	0.0	0.0
9.00000	62.00000	46.00000	-7.2733	45.958	0.0	0.0	0.0
10.00000	62.00000	46.00000	-7.0975	45.958	0.0	0.0	0.0
11.00000	62.00000	46.00000	-6.7227	45.958	0.0	0.0	0.0
12.00000	62.00000	46.00000	-6.0590	45.958	0.0	0.0	0.0
13.00000	62.00000	46.00000	-5.0308	45.958	0.0	0.0	0.0
14.00000	62.00000	46.00000	-3.7729	45.958	0.0	0.0	0.0
15.00000	62.00000	46.00000	-2.7042	45.958	0.0	0.0	0.0

16.00000	62.00000	46.00000	-2.1550	45.958	0.0	0.0	0.0
17.00000	62.00000	46.00000	-1.9727	45.958	0.0	0.0	0.0
18.00000	62.00000	46.00000	-1.7307	45.958	0.0	0.0	0.0
19.00000	62.00000	46.00000	-1.3077	45.958	0.0	0.0	0.0
20.00000	62.00000	46.00000	-0.84702	45.958	0.0	0.0	0.0
21.00000	62.00000	46.00000	-0.56824	45.958	0.0	0.0	0.0
22.00000	62.00000	46.00000	-0.39971	45.958	0.0	0.0	0.0
23.00000	62.00000	46.00000	-0.27777	45.958	0.0	0.0	0.0
24.00000	62.00000	46.00000	-0.18343	45.958	0.0	0.0	0.0
25.00000	62.00000	46.00000	-0.10950	45.958	0.0	0.0	0.0
26.00000	62.00000	46.00000	-0.051462	45.958	0.0	0.0	0.0
27.00000	62.00000	46.00000	-0.0058973	45.958	0.0	0.0	0.0
28.00000	62.00000	46.00000	0.029852	45.958	0.0	0.0	0.0
29.00000	62.00000	46.00000	0.057827	45.958	0.0	0.0	0.0
30.00000	62.00000	46.00000	0.079600	45.958	0.0	0.0	0.0
31.00000	62.00000	46.00000	0.096393	45.958	0.0	0.0	0.0
32.00000	62.00000	46.00000	0.10917	45.958	0.0	0.0	0.0
33.00000	62.00000	46.00000	0.11869	45.958	0.0	0.0	0.0
34.00000	62.00000	46.00000	0.12557	45.958	0.0	0.0	0.0
35.00000	62.00000	46.00000	0.13030	45.958	0.0	0.0	0.0
36.00000	62.00000	46.00000	0.13328	45.958	0.0	0.0	0.0
37.00000	62.00000	46.00000	0.13485	45.958	0.0	0.0	0.0
38.00000	62.00000	46.00000	0.13526	45.958	0.0	0.0	0.0
39.00000	62.00000	46.00000	0.13476	45.958	0.0	0.0	0.0
40.00000	62.00000	46.00000	0.13351	45.958	0.0	0.0	0.0
41.00000	62.00000	46.00000	0.13168	45.958	0.0	0.0	0.0 !
42.00000	62.00000	46.00000	0.12938	45.958	0.0	0.0	0.0 !
43.00000	62.00000	46.00000	0.12673	45.958	0.0	0.0	0.0 !
44.00000	62.00000	46.00000	0.12380	45.958	0.0	0.0	0.0 !
45.00000	62.00000	46.00000	0.12067	45.958	0.0	0.0	0.0 !
46.00000	62.00000	46.00000	0.11741	45.958	0.0	0.0	0.0 !
47.00000	62.00000	46.00000	0.11405	45.958	0.0	0.0	0.0 !
48.00000	62.00000	46.00000	0.11064	45.958	0.0	0.0	0.0 !
49.00000	62.00000	46.00000	0.10721	45.958	0.0	0.0	0.0 !
50.00000	62.00000	46.00000	0.10379	45.958	0.0	0.0	0.0 !
-10.00000	63.00000	46.00000	0.026255	45.958	0.0	0.0	0.0
-9.00000	63.00000	46.00000	-0.010536	45.958	0.0	0.0	0.0
-8.00000	63.00000	46.00000	-0.056944	45.958	0.0	0.0	0.0
-7.00000	63.00000	46.00000	-0.11544	45.958	0.0	0.0	0.0
-6.00000	63.00000	46.00000	-0.18932	45.958	0.0	0.0	0.0
-5.00000	63.00000	46.00000	-0.28308	45.958	0.0	0.0	0.0
-4.00000	63.00000	46.00000	-0.40313	45.958	0.0	0.0	0.0
-3.00000	63.00000	46.00000	-0.55903	45.958	0.0	0.0	0.0
-2.00000	63.00000	46.00000	-0.76616	45.958	0.0	0.0	0.0
-1.00000	63.00000	46.00000	-1.0511	45.958	0.0	0.0	0.0
0.00000	63.00000	46.00000	-1.4620	45.958	0.0	0.0	0.0
1.00000	63.00000	46.00000	-2.0793	45.958	0.0	0.0	0.0
2.00000	63.00000	46.00000	-2.9943	45.958	0.0	0.0	0.0
3.00000	63.00000	46.00000	-4.1867	45.958	0.0	0.0	0.0
4.00000	63.00000	46.00000	-5.4016	45.958	0.0	0.0	0.0
5.00000	63.00000	46.00000	-6.3439	45.958	0.0	0.0	0.0
6.00000	63.00000	46.00000	-6.9398	45.958	0.0	0.0	0.0
7.00000	63.00000	46.00000	-7.2637	45.958	0.0	0.0	0.0
8.00000	63.00000	46.00000	-7.3926	45.958	0.0	0.0	0.0

9.00000	63.00000	46.00000	-7.3611	45.958	0.0	0.0	0.0
10.00000	63.00000	46.00000	-7.1599	45.958	0.0	0.0	0.0
11.00000	63.00000	46.00000	-6.7271	45.958	0.0	0.0	0.0
12.00000	63.00000	46.00000	-5.9367	45.958	0.0	0.0	0.0
13.00000	63.00000	46.00000	-4.6947	45.958	0.0	0.0	0.0
14.00000	63.00000	46.00000	-3.2827	45.958	0.0	0.0	0.0
15.00000	63.00000	46.00000	-2.4107	45.958	0.0	0.0	0.0
16.00000	63.00000	46.00000	-2.4995	45.958	0.0	0.0	0.0
17.00000	63.00000	46.00000	-3.0626	45.958	0.0	0.0	0.0
18.00000	63.00000	46.00000	-3.0140	45.958	0.0	0.0	0.0
19.00000	63.00000	46.00000	-2.2334	45.958	0.0	0.0	0.0
20.00000	63.00000	46.00000	-1.1871	45.958	0.0	0.0	0.0
21.00000	63.00000	46.00000	-0.67800	45.958	0.0	0.0	0.0
22.00000	63.00000	46.00000	-0.45195	45.958	0.0	0.0	0.0
23.00000	63.00000	46.00000	-0.31153	45.958	0.0	0.0	0.0
24.00000	63.00000	46.00000	-0.20729	45.958	0.0	0.0	0.0
25.00000	63.00000	46.00000	-0.12673	45.958	0.0	0.0	0.0
26.00000	63.00000	46.00000	-0.064029	45.958	0.0	0.0	0.0
27.00000	63.00000	46.00000	-0.015120	45.958	0.0	0.0	0.0
28.00000	63.00000	46.00000	0.023062	45.958	0.0	0.0	0.0
29.00000	63.00000	46.00000	0.052834	45.958	0.0	0.0	0.0
30.00000	63.00000	46.00000	0.075951	45.958	0.0	0.0	0.0
31.00000	63.00000	46.00000	0.093760	45.958	0.0	0.0	0.0
32.00000	63.00000	46.00000	0.10731	45.958	0.0	0.0	0.0
33.00000	63.00000	46.00000	0.11742	45.958	0.0	0.0	0.0
34.00000	63.00000	46.00000	0.12475	45.958	0.0	0.0	0.0
35.00000	63.00000	46.00000	0.12983	45.958	0.0	0.0	0.0
36.00000	63.00000	46.00000	0.13308	45.958	0.0	0.0	0.0
37.00000	63.00000	46.00000	0.13485	45.958	0.0	0.0	0.0
38.00000	63.00000	46.00000	0.13542	45.958	0.0	0.0	0.0
39.00000	63.00000	46.00000	0.13503	45.958	0.0	0.0	0.0
40.00000	63.00000	46.00000	0.13387	45.958	0.0	0.0	0.0
41.00000	63.00000	46.00000	0.13210	45.958	0.0	0.0	0.0 !
42.00000	63.00000	46.00000	0.12984	45.958	0.0	0.0	0.0 !
43.00000	63.00000	46.00000	0.12721	45.958	0.0	0.0	0.0 !
44.00000	63.00000	46.00000	0.12430	45.958	0.0	0.0	0.0 !
45.00000	63.00000	46.00000	0.12118	45.958	0.0	0.0	0.0 !
46.00000	63.00000	46.00000	0.11791	45.958	0.0	0.0	0.0 !
47.00000	63.00000	46.00000	0.11455	45.958	0.0	0.0	0.0 !
48.00000	63.00000	46.00000	0.11113	45.958	0.0	0.0	0.0 !
49.00000	63.00000	46.00000	0.10768	45.958	0.0	0.0	0.0 !
50.00000	63.00000	46.00000	0.10425	45.958	0.0	0.0	0.0 !
-10.00000	64.00000	46.00000	0.022564	45.958	0.0	0.0	0.0
-9.00000	64.00000	46.00000	-0.015308	45.958	0.0	0.0	0.0
-8.00000	64.00000	46.00000	-0.063045	45.958	0.0	0.0	0.0
-7.00000	64.00000	46.00000	-0.12317	45.958	0.0	0.0	0.0
-6.00000	64.00000	46.00000	-0.19903	45.958	0.0	0.0	0.0
-5.00000	64.00000	46.00000	-0.29520	45.958	0.0	0.0	0.0
-4.00000	64.00000	46.00000	-0.41815	45.958	0.0	0.0	0.0
-3.00000	64.00000	46.00000	-0.57751	45.958	0.0	0.0	0.0
-2.00000	64.00000	46.00000	-0.78873	45.958	0.0	0.0	0.0
-1.00000	64.00000	46.00000	-1.0785	45.958	0.0	0.0	0.0
0.00000	64.00000	46.00000	-1.4948	45.958	0.0	0.0	0.0
1.00000	64.00000	46.00000	-2.1181	45.958	0.0	0.0	0.0

2.00000	64.00000	46.00000	-3.0397	45.958	0.0	0.0	0.0
3.00000	64.00000	46.00000	-4.2386	45.958	0.0	0.0	0.0
4.00000	64.00000	46.00000	-5.4598	45.958	0.0	0.0	0.0
5.00000	64.00000	46.00000	-6.4073	45.958	0.0	0.0	0.0
6.00000	64.00000	46.00000	-7.0066	45.958	0.0	0.0	0.0
7.00000	64.00000	46.00000	-7.3312	45.958	0.0	0.0	0.0
8.00000	64.00000	46.00000	-7.4562	45.958	0.0	0.0	0.0
9.00000	64.00000	46.00000	-7.4133	45.958	0.0	0.0	0.0
10.00000	64.00000	46.00000	-7.1869	45.958	0.0	0.0	0.0
11.00000	64.00000	46.00000	-6.7010	45.958	0.0	0.0	0.0
12.00000	64.00000	46.00000	-5.8059	45.958	0.0	0.0	0.0
13.00000	64.00000	46.00000	-4.4068	45.958	0.0	0.0	0.0
14.00000	64.00000	46.00000	-2.9498	45.958	0.0	0.0	0.0
15.00000	64.00000	46.00000	-2.4342	45.958	0.0	0.0	0.0
16.00000	64.00000	46.00000	-2.9138	45.958	0.0	0.0	0.0
17.00000	64.00000	46.00000	-3.5111	45.958	0.0	0.0	0.0
18.00000	64.00000	46.00000	-3.4980	45.958	0.0	0.0	0.0
19.00000	64.00000	46.00000	-2.7899	45.958	0.0	0.0	0.0
20.00000	64.00000	46.00000	-1.5985	45.958	0.0	0.0	0.0
21.00000	64.00000	46.00000	-0.81190	45.958	0.0	0.0	0.0
22.00000	64.00000	46.00000	-0.50275	45.958	0.0	0.0	0.0
23.00000	64.00000	46.00000	-0.34190	45.958	0.0	0.0	0.0
24.00000	64.00000	46.00000	-0.22838	45.958	0.0	0.0	0.0
25.00000	64.00000	46.00000	-0.14183	45.958	0.0	0.0	0.0
26.00000	64.00000	46.00000	-0.074966	45.958	0.0	0.0	0.0
27.00000	64.00000	46.00000	-0.023103	45.958	0.0	0.0	0.0
28.00000	64.00000	46.00000	0.017210	45.958	0.0	0.0	0.0
29.00000	64.00000	46.00000	0.048544	45.958	0.0	0.0	0.0
30.00000	64.00000	46.00000	0.072822	45.958	0.0	0.0	0.0
31.00000	64.00000	46.00000	0.091505	45.958	0.0	0.0	0.0
32.00000	64.00000	46.00000	0.10572	45.958	0.0	0.0	0.0
33.00000	64.00000	46.00000	0.11633	45.958	0.0	0.0	0.0
34.00000	64.00000	46.00000	0.12405	45.958	0.0	0.0	0.0
35.00000	64.00000	46.00000	0.12943	45.958	0.0	0.0	0.0
36.00000	64.00000	46.00000	0.13291	45.958	0.0	0.0	0.0
37.00000	64.00000	46.00000	0.13485	45.958	0.0	0.0	0.0
38.00000	64.00000	46.00000	0.13555	45.958	0.0	0.0	0.0
39.00000	64.00000	46.00000	0.13526	45.958	0.0	0.0	0.0
40.00000	64.00000	46.00000	0.13416	45.958	0.0	0.0	0.0
41.00000	64.00000	46.00000	0.13244	45.958	0.0	0.0	0.0 !
42.00000	64.00000	46.00000	0.13022	45.958	0.0	0.0	0.0 !
43.00000	64.00000	46.00000	0.12761	45.958	0.0	0.0	0.0 !
44.00000	64.00000	46.00000	0.12472	45.958	0.0	0.0	0.0 !
45.00000	64.00000	46.00000	0.12160	45.958	0.0	0.0	0.0 !
46.00000	64.00000	46.00000	0.11833	45.958	0.0	0.0	0.0 !
47.00000	64.00000	46.00000	0.11496	45.958	0.0	0.0	0.0 !
48.00000	64.00000	46.00000	0.11153	45.958	0.0	0.0	0.0 !
49.00000	64.00000	46.00000	0.10808	45.958	0.0	0.0	0.0 !
50.00000	64.00000	46.00000	0.10463	45.958	0.0	0.0	0.0 !
-10.00000	65.00000	46.00000	0.019608	45.958	0.0	0.0	0.0
-9.00000	65.00000	46.00000	-0.019120	45.958	0.0	0.0	0.0
-8.00000	65.00000	46.00000	-0.067903	45.958	0.0	0.0	0.0
-7.00000	65.00000	46.00000	-0.12930	45.958	0.0	0.0	0.0
-6.00000	65.00000	46.00000	-0.20671	45.958	0.0	0.0	0.0

-5.00000	65.00000	46.00000	-0.30473	45.958	0.0	0.0	0.0
-4.00000	65.00000	46.00000	-0.42989	45.958	0.0	0.0	0.0
-3.00000	65.00000	46.00000	-0.59186	45.958	0.0	0.0	0.0
-2.00000	65.00000	46.00000	-0.80612	45.958	0.0	0.0	0.0
-1.00000	65.00000	46.00000	-1.0993	45.958	0.0	0.0	0.0
0.00000	65.00000	46.00000	-1.5195	45.958	0.0	0.0	0.0
1.00000	65.00000	46.00000	-2.1471	45.958	0.0	0.0	0.0
2.00000	65.00000	46.00000	-3.0730	45.958	0.0	0.0	0.0
3.00000	65.00000	46.00000	-4.2763	45.958	0.0	0.0	0.0
4.00000	65.00000	46.00000	-5.5014	45.958	0.0	0.0	0.0
5.00000	65.00000	46.00000	-6.4520	45.958	0.0	0.0	0.0
6.00000	65.00000	46.00000	-7.0529	45.958	0.0	0.0	0.0
7.00000	65.00000	46.00000	-7.3767	45.958	0.0	0.0	0.0
8.00000	65.00000	46.00000	-7.4969	45.958	0.0	0.0	0.0
9.00000	65.00000	46.00000	-7.4425	45.958	0.0	0.0	0.0
10.00000	65.00000	46.00000	-7.1926	45.958	0.0	0.0	0.0
11.00000	65.00000	46.00000	-6.6640	45.958	0.0	0.0	0.0
12.00000	65.00000	46.00000	-5.7117	45.958	0.0	0.0	0.0
13.00000	65.00000	46.00000	-4.2957	45.958	0.0	0.0	0.0
14.00000	65.00000	46.00000	-2.9998	45.958	0.0	0.0	0.0
15.00000	65.00000	46.00000	-2.8036	45.958	0.0	0.0	0.0
16.00000	65.00000	46.00000	-3.1788	45.958	0.0	0.0	0.0
17.00000	65.00000	46.00000	-3.4036	45.958	0.0	0.0	0.0
18.00000	65.00000	46.00000	-3.3372	45.958	0.0	0.0	0.0
19.00000	65.00000	46.00000	-2.8891	45.958	0.0	0.0	0.0
20.00000	65.00000	46.00000	-1.8498	45.958	0.0	0.0	0.0
21.00000	65.00000	46.00000	-0.91227	45.958	0.0	0.0	0.0
22.00000	65.00000	46.00000	-0.54297	45.958	0.0	0.0	0.0
23.00000	65.00000	46.00000	-0.36627	45.958	0.0	0.0	0.0
24.00000	65.00000	46.00000	-0.24536	45.958	0.0	0.0	0.0
25.00000	65.00000	46.00000	-0.15400	45.958	0.0	0.0	0.0
26.00000	65.00000	46.00000	-0.083767	45.958	0.0	0.0	0.0
27.00000	65.00000	46.00000	-0.029514	45.958	0.0	0.0	0.0
28.00000	65.00000	46.00000	0.012520	45.958	0.0	0.0	0.0
29.00000	65.00000	46.00000	0.045111	45.958	0.0	0.0	0.0
30.00000	65.00000	46.00000	0.070321	45.958	0.0	0.0	0.0
31.00000	65.00000	46.00000	0.089704	45.958	0.0	0.0	0.0
32.00000	65.00000	46.00000	0.10445	45.958	0.0	0.0	0.0
33.00000	65.00000	46.00000	0.11547	45.958	0.0	0.0	0.0
34.00000	65.00000	46.00000	0.12350	45.958	0.0	0.0	0.0
35.00000	65.00000	46.00000	0.12911	45.958	0.0	0.0	0.0
36.00000	65.00000	46.00000	0.13276	45.958	0.0	0.0	0.0
37.00000	65.00000	46.00000	0.13484	45.958	0.0	0.0	0.0
38.00000	65.00000	46.00000	0.13565	45.958	0.0	0.0	0.0
39.00000	65.00000	46.00000	0.13543	45.958	0.0	0.0	0.0
40.00000	65.00000	46.00000	0.13440	45.958	0.0	0.0	0.0
41.00000	65.00000	46.00000	0.13272	45.958	0.0	0.0	0.0 !
42.00000	65.00000	46.00000	0.13052	45.958	0.0	0.0	0.0 !
43.00000	65.00000	46.00000	0.12793	45.958	0.0	0.0	0.0 !
44.00000	65.00000	46.00000	0.12505	45.958	0.0	0.0	0.0 !
45.00000	65.00000	46.00000	0.12193	45.958	0.0	0.0	0.0 !
46.00000	65.00000	46.00000	0.11867	45.958	0.0	0.0	0.0 !
47.00000	65.00000	46.00000	0.11529	45.958	0.0	0.0	0.0 !
48.00000	65.00000	46.00000	0.11186	45.958	0.0	0.0	0.0 !

49.00000	65.00000	46.00000	0.10839	45.958	0.0	0.0	0.0	!
50.00000	65.00000	46.00000	0.10493	45.958	0.0	0.0	0.0	!
-10.00000	66.00000	46.00000	0.017410	45.958	0.0	0.0	0.0	
-9.00000	66.00000	46.00000	-0.021948	45.958	0.0	0.0	0.0	
-8.00000	66.00000	46.00000	-0.071500	45.958	0.0	0.0	0.0	
-7.00000	66.00000	46.00000	-0.13383	45.958	0.0	0.0	0.0	
-6.00000	66.00000	46.00000	-0.21236	45.958	0.0	0.0	0.0	
-5.00000	66.00000	46.00000	-0.31172	45.958	0.0	0.0	0.0	
-4.00000	66.00000	46.00000	-0.43847	45.958	0.0	0.0	0.0	
-3.00000	66.00000	46.00000	-0.60230	45.958	0.0	0.0	0.0	
-2.00000	66.00000	46.00000	-0.81869	45.958	0.0	0.0	0.0	
-1.00000	66.00000	46.00000	-1.1143	45.958	0.0	0.0	0.0	
0.00000	66.00000	46.00000	-1.5371	45.958	0.0	0.0	0.0	
1.00000	66.00000	46.00000	-2.1675	45.958	0.0	0.0	0.0	
2.00000	66.00000	46.00000	-3.0964	45.958	0.0	0.0	0.0	
3.00000	66.00000	46.00000	-4.3025	45.958	0.0	0.0	0.0	
4.00000	66.00000	46.00000	-5.5300	45.958	0.0	0.0	0.0	
5.00000	66.00000	46.00000	-6.4824	45.958	0.0	0.0	0.0	
6.00000	66.00000	46.00000	-7.0839	45.958	0.0	0.0	0.0	
7.00000	66.00000	46.00000	-7.4064	45.958	0.0	0.0	0.0	
8.00000	66.00000	46.00000	-7.5221	45.958	0.0	0.0	0.0	
9.00000	66.00000	46.00000	-7.4570	45.958	0.0	0.0	0.0	
10.00000	66.00000	46.00000	-7.1835	45.958	0.0	0.0	0.0	
11.00000	66.00000	46.00000	-6.6050	45.958	0.0	0.0	0.0	
12.00000	66.00000	46.00000	-5.5649	45.958	0.0	0.0	0.0	
13.00000	66.00000	46.00000	-4.0583	45.958	0.0	0.0	0.0	
14.00000	66.00000	46.00000	-2.7608	45.958	0.0	0.0	0.0	
15.00000	66.00000	46.00000	-2.6256	45.958	0.0	0.0	0.0	
16.00000	66.00000	46.00000	-3.0369	45.958	0.0	0.0	0.0	
17.00000	66.00000	46.00000	-3.2927	45.958	0.0	0.0	0.0	
18.00000	66.00000	46.00000	-3.2717	45.958	0.0	0.0	0.0	
19.00000	66.00000	46.00000	-2.9068	45.958	0.0	0.0	0.0	
20.00000	66.00000	46.00000	-1.9148	45.958	0.0	0.0	0.0	
21.00000	66.00000	46.00000	-0.95504	45.958	0.0	0.0	0.0	
22.00000	66.00000	46.00000	-0.56762	45.958	0.0	0.0	0.0	
23.00000	66.00000	46.00000	-0.38289	45.958	0.0	0.0	0.0	
24.00000	66.00000	46.00000	-0.25726	45.958	0.0	0.0	0.0	
25.00000	66.00000	46.00000	-0.16261	45.958	0.0	0.0	0.0	
26.00000	66.00000	46.00000	-0.090024	45.958	0.0	0.0	0.0	
27.00000	66.00000	46.00000	-0.034082	45.958	0.0	0.0	0.0	
28.00000	66.00000	46.00000	0.0091743	45.958	0.0	0.0	0.0	
29.00000	66.00000	46.00000	0.042661	45.958	0.0	0.0	0.0	
30.00000	66.00000	46.00000	0.068537	45.958	0.0	0.0	0.0	
31.00000	66.00000	46.00000	0.088420	45.958	0.0	0.0	0.0	
32.00000	66.00000	46.00000	0.10354	45.958	0.0	0.0	0.0	
33.00000	66.00000	46.00000	0.11485	45.958	0.0	0.0	0.0	
34.00000	66.00000	46.00000	0.12310	45.958	0.0	0.0	0.0	
35.00000	66.00000	46.00000	0.12888	45.958	0.0	0.0	0.0	
36.00000	66.00000	46.00000	0.13267	45.958	0.0	0.0	0.0	
37.00000	66.00000	46.00000	0.13485	45.958	0.0	0.0	0.0	
38.00000	66.00000	46.00000	0.13573	45.958	0.0	0.0	0.0	
39.00000	66.00000	46.00000	0.13557	45.958	0.0	0.0	0.0	
40.00000	66.00000	46.00000	0.13458	45.958	0.0	0.0	0.0	
41.00000	66.00000	46.00000	0.13292	45.958	0.0	0.0	0.0	!



42.00000	66.00000	46.00000	0.13075	45.958	0.0	0.0	0.0	!
43.00000	66.00000	46.00000	0.12817	45.958	0.0	0.0	0.0	!
44.00000	66.00000	46.00000	0.12529	45.958	0.0	0.0	0.0	!
45.00000	66.00000	46.00000	0.12218	45.958	0.0	0.0	0.0	!
46.00000	66.00000	46.00000	0.11891	45.958	0.0	0.0	0.0	!
47.00000	66.00000	46.00000	0.11554	45.958	0.0	0.0	0.0	!
48.00000	66.00000	46.00000	0.11209	45.958	0.0	0.0	0.0	!
49.00000	66.00000	46.00000	0.10862	45.958	0.0	0.0	0.0	!
50.00000	66.00000	46.00000	0.10516	45.958	0.0	0.0	0.0	!
-10.00000	67.00000	46.00000	0.015988	45.958	0.0	0.0	0.0	
-9.00000	67.00000	46.00000	-0.023778	45.958	0.0	0.0	0.0	
-8.00000	67.00000	46.00000	-0.073826	45.958	0.0	0.0	0.0	
-7.00000	67.00000	46.00000	-0.13676	45.958	0.0	0.0	0.0	
-6.00000	67.00000	46.00000	-0.21601	45.958	0.0	0.0	0.0	
-5.00000	67.00000	46.00000	-0.31623	45.958	0.0	0.0	0.0	
-4.00000	67.00000	46.00000	-0.44398	45.958	0.0	0.0	0.0	
-3.00000	67.00000	46.00000	-0.60899	45.958	0.0	0.0	0.0	
-2.00000	67.00000	46.00000	-0.82673	45.958	0.0	0.0	0.0	
-1.00000	67.00000	46.00000	-1.1238	45.958	0.0	0.0	0.0	
0.00000	67.00000	46.00000	-1.5483	45.958	0.0	0.0	0.0	
1.00000	67.00000	46.00000	-2.1805	45.958	0.0	0.0	0.0	
2.00000	67.00000	46.00000	-3.1111	45.958	0.0	0.0	0.0	
3.00000	67.00000	46.00000	-4.3189	45.958	0.0	0.0	0.0	
4.00000	67.00000	46.00000	-5.5479	45.958	0.0	0.0	0.0	
5.00000	67.00000	46.00000	-6.5013	45.958	0.0	0.0	0.0	
6.00000	67.00000	46.00000	-7.1030	45.958	0.0	0.0	0.0	
7.00000	67.00000	46.00000	-7.4245	45.958	0.0	0.0	0.0	
8.00000	67.00000	46.00000	-7.5371	45.958	0.0	0.0	0.0	
9.00000	67.00000	46.00000	-7.4642	45.958	0.0	0.0	0.0	
10.00000	67.00000	46.00000	-7.1709	45.958	0.0	0.0	0.0	
11.00000	67.00000	46.00000	-6.5400	45.958	0.0	0.0	0.0	
12.00000	67.00000	46.00000	-5.3713	45.958	0.0	0.0	0.0	
13.00000	67.00000	46.00000	-3.6346	45.958	0.0	0.0	0.0	
14.00000	67.00000	46.00000	-2.0532	45.958	0.0	0.0	0.0	
15.00000	67.00000	46.00000	-1.7649	45.958	0.0	0.0	0.0	
16.00000	67.00000	46.00000	-2.5873	45.958	0.0	0.0	0.0	
17.00000	67.00000	46.00000	-3.1538	45.958	0.0	0.0	0.0	
18.00000	67.00000	46.00000	-3.2348	45.958	0.0	0.0	0.0	
19.00000	67.00000	46.00000	-2.9075	45.958	0.0	0.0	0.0	
20.00000	67.00000	46.00000	-1.9294	45.958	0.0	0.0	0.0	
21.00000	67.00000	46.00000	-0.96975	45.958	0.0	0.0	0.0	
22.00000	67.00000	46.00000	-0.57899	45.958	0.0	0.0	0.0	
23.00000	67.00000	46.00000	-0.39143	45.958	0.0	0.0	0.0	
24.00000	67.00000	46.00000	-0.26360	45.958	0.0	0.0	0.0	
25.00000	67.00000	46.00000	-0.16729	45.958	0.0	0.0	0.0	
26.00000	67.00000	46.00000	-0.093469	45.958	0.0	0.0	0.0	
27.00000	67.00000	46.00000	-0.036622	45.958	0.0	0.0	0.0	
28.00000	67.00000	46.00000	0.0073005	45.958	0.0	0.0	0.0	
29.00000	67.00000	46.00000	0.041283	45.958	0.0	0.0	0.0	
30.00000	67.00000	46.00000	0.067531	45.958	0.0	0.0	0.0	
31.00000	67.00000	46.00000	0.087697	45.958	0.0	0.0	0.0	
32.00000	67.00000	46.00000	0.10303	45.958	0.0	0.0	0.0	
33.00000	67.00000	46.00000	0.11451	45.958	0.0	0.0	0.0	
34.00000	67.00000	46.00000	0.12289	45.958	0.0	0.0	0.0	

35.00000	67.00000	46.00000	0.12877	45.958	0.0	0.0	0.0
36.00000	67.00000	46.00000	0.13263	45.958	0.0	0.0	0.0
37.00000	67.00000	46.00000	0.13487	45.958	0.0	0.0	0.0
38.00000	67.00000	46.00000	0.13580	45.958	0.0	0.0	0.0
39.00000	67.00000	46.00000	0.13567	45.958	0.0	0.0	0.0
40.00000	67.00000	46.00000	0.13470	45.958	0.0	0.0	0.0
41.00000	67.00000	46.00000	0.13306	45.958	0.0	0.0	0.0 !
42.00000	67.00000	46.00000	0.13090	45.958	0.0	0.0	0.0 !
43.00000	67.00000	46.00000	0.12833	45.958	0.0	0.0	0.0 !
44.00000	67.00000	46.00000	0.12545	45.958	0.0	0.0	0.0 !
45.00000	67.00000	46.00000	0.12234	45.958	0.0	0.0	0.0 !
46.00000	67.00000	46.00000	0.11907	45.958	0.0	0.0	0.0 !
47.00000	67.00000	46.00000	0.11569	45.958	0.0	0.0	0.0 !
48.00000	67.00000	46.00000	0.11225	45.958	0.0	0.0	0.0 !
49.00000	67.00000	46.00000	0.10878	45.958	0.0	0.0	0.0 !
50.00000	67.00000	46.00000	0.10530	45.958	0.0	0.0	0.0 !
-10.00000	68.00000	46.00000	0.015350	45.958	0.0	0.0	0.0
-9.00000	68.00000	46.00000	-0.024601	45.958	0.0	0.0	0.0
-8.00000	68.00000	46.00000	-0.074875	45.958	0.0	0.0	0.0
-7.00000	68.00000	46.00000	-0.13808	45.958	0.0	0.0	0.0
-6.00000	68.00000	46.00000	-0.21766	45.958	0.0	0.0	0.0
-5.00000	68.00000	46.00000	-0.31828	45.958	0.0	0.0	0.0
-4.00000	68.00000	46.00000	-0.44650	45.958	0.0	0.0	0.0
-3.00000	68.00000	46.00000	-0.61206	45.958	0.0	0.0	0.0
-2.00000	68.00000	46.00000	-0.83043	45.958	0.0	0.0	0.0
-1.00000	68.00000	46.00000	-1.1283	45.958	0.0	0.0	0.0
0.00000	68.00000	46.00000	-1.5536	45.958	0.0	0.0	0.0
1.00000	68.00000	46.00000	-2.1866	45.958	0.0	0.0	0.0
2.00000	68.00000	46.00000	-3.1181	45.958	0.0	0.0	0.0
3.00000	68.00000	46.00000	-4.3267	45.958	0.0	0.0	0.0
4.00000	68.00000	46.00000	-5.5564	45.958	0.0	0.0	0.0
5.00000	68.00000	46.00000	-6.5104	45.958	0.0	0.0	0.0
6.00000	68.00000	46.00000	-7.1125	45.958	0.0	0.0	0.0
7.00000	68.00000	46.00000	-7.4338	45.958	0.0	0.0	0.0
8.00000	68.00000	46.00000	-7.5455	45.958	0.0	0.0	0.0
9.00000	68.00000	46.00000	-7.4705	45.958	0.0	0.0	0.0
10.00000	68.00000	46.00000	-7.1720	45.958	0.0	0.0	0.0
11.00000	68.00000	46.00000	-6.5275	45.958	0.0	0.0	0.0
12.00000	68.00000	46.00000	-5.3238	45.958	0.0	0.0	0.0
13.00000	68.00000	46.00000	-3.5195	45.958	0.0	0.0	0.0
14.00000	68.00000	46.00000	-1.8492	45.958	0.0	0.0	0.0
15.00000	68.00000	46.00000	-1.5138	45.958	0.0	0.0	0.0
16.00000	68.00000	46.00000	-2.4558	45.958	0.0	0.0	0.0
17.00000	68.00000	46.00000	-3.1122	45.958	0.0	0.0	0.0
18.00000	68.00000	46.00000	-3.2205	45.958	0.0	0.0	0.0
19.00000	68.00000	46.00000	-2.9019	45.958	0.0	0.0	0.0
20.00000	68.00000	46.00000	-1.9277	45.958	0.0	0.0	0.0
21.00000	68.00000	46.00000	-0.96961	45.958	0.0	0.0	0.0
22.00000	68.00000	46.00000	-0.57943	45.958	0.0	0.0	0.0
23.00000	68.00000	46.00000	-0.39206	45.958	0.0	0.0	0.0
24.00000	68.00000	46.00000	-0.26426	45.958	0.0	0.0	0.0
25.00000	68.00000	46.00000	-0.16789	45.958	0.0	0.0	0.0
26.00000	68.00000	46.00000	-0.093987	45.958	0.0	0.0	0.0
27.00000	68.00000	46.00000	-0.037049	45.958	0.0	0.0	0.0

28.00000	68.00000	46.00000	0.0069588	45.958	0.0	0.0	0.0
29.00000	68.00000	46.00000	0.041018	45.958	0.0	0.0	0.0
30.00000	68.00000	46.00000	0.067333	45.958	0.0	0.0	0.0
31.00000	68.00000	46.00000	0.087556	45.958	0.0	0.0	0.0
32.00000	68.00000	46.00000	0.10294	45.958	0.0	0.0	0.0
33.00000	68.00000	46.00000	0.11446	45.958	0.0	0.0	0.0
34.00000	68.00000	46.00000	0.12287	45.958	0.0	0.0	0.0
35.00000	68.00000	46.00000	0.12878	45.958	0.0	0.0	0.0
36.00000	68.00000	46.00000	0.13266	45.958	0.0	0.0	0.0
37.00000	68.00000	46.00000	0.13491	45.958	0.0	0.0	0.0
38.00000	68.00000	46.00000	0.13585	45.958	0.0	0.0	0.0
39.00000	68.00000	46.00000	0.13573	45.958	0.0	0.0	0.0
40.00000	68.00000	46.00000	0.13477	45.958	0.0	0.0	0.0
41.00000	68.00000	46.00000	0.13313	45.958	0.0	0.0	0.0 !
42.00000	68.00000	46.00000	0.13097	45.958	0.0	0.0	0.0 !
43.00000	68.00000	46.00000	0.12841	45.958	0.0	0.0	0.0 !
44.00000	68.00000	46.00000	0.12553	45.958	0.0	0.0	0.0 !
45.00000	68.00000	46.00000	0.12242	45.958	0.0	0.0	0.0 !
46.00000	68.00000	46.00000	0.11915	45.958	0.0	0.0	0.0 !
47.00000	68.00000	46.00000	0.11577	45.958	0.0	0.0	0.0 !
48.00000	68.00000	46.00000	0.11232	45.958	0.0	0.0	0.0 !
49.00000	68.00000	46.00000	0.10884	45.958	0.0	0.0	0.0 !
50.00000	68.00000	46.00000	0.10537	45.958	0.0	0.0	0.0 !
-10.00000	69.00000	46.00000	0.015502	45.958	0.0	0.0	0.0
-9.00000	69.00000	46.00000	-0.024410	45.958	0.0	0.0	0.0
-8.00000	69.00000	46.00000	-0.074641	45.958	0.0	0.0	0.0
-7.00000	69.00000	46.00000	-0.13780	45.958	0.0	0.0	0.0
-6.00000	69.00000	46.00000	-0.21732	45.958	0.0	0.0	0.0
-5.00000	69.00000	46.00000	-0.31788	45.958	0.0	0.0	0.0
-4.00000	69.00000	46.00000	-0.44605	45.958	0.0	0.0	0.0
-3.00000	69.00000	46.00000	-0.61155	45.958	0.0	0.0	0.0
-2.00000	69.00000	46.00000	-0.82987	45.958	0.0	0.0	0.0
-1.00000	69.00000	46.00000	-1.1277	45.958	0.0	0.0	0.0
0.00000	69.00000	46.00000	-1.5529	45.958	0.0	0.0	0.0
1.00000	69.00000	46.00000	-2.1860	45.958	0.0	0.0	0.0
2.00000	69.00000	46.00000	-3.1175	45.958	0.0	0.0	0.0
3.00000	69.00000	46.00000	-4.3263	45.958	0.0	0.0	0.0
4.00000	69.00000	46.00000	-5.5562	45.958	0.0	0.0	0.0
5.00000	69.00000	46.00000	-6.5105	45.958	0.0	0.0	0.0
6.00000	69.00000	46.00000	-7.1131	45.958	0.0	0.0	0.0
7.00000	69.00000	46.00000	-7.4353	45.958	0.0	0.0	0.0
8.00000	69.00000	46.00000	-7.5487	45.958	0.0	0.0	0.0
9.00000	69.00000	46.00000	-7.4779	45.958	0.0	0.0	0.0
10.00000	69.00000	46.00000	-7.1918	45.958	0.0	0.0	0.0
11.00000	69.00000	46.00000	-6.5853	45.958	0.0	0.0	0.0
12.00000	69.00000	46.00000	-5.4855	45.958	0.0	0.0	0.0
13.00000	69.00000	46.00000	-3.8822	45.958	0.0	0.0	0.0
14.00000	69.00000	46.00000	-2.4718	45.958	0.0	0.0	0.0
15.00000	69.00000	46.00000	-2.2721	45.958	0.0	0.0	0.0
16.00000	69.00000	46.00000	-2.8377	45.958	0.0	0.0	0.0
17.00000	69.00000	46.00000	-3.2108	45.958	0.0	0.0	0.0
18.00000	69.00000	46.00000	-3.2314	45.958	0.0	0.0	0.0
19.00000	69.00000	46.00000	-2.8904	45.958	0.0	0.0	0.0
20.00000	69.00000	46.00000	-1.9127	45.958	0.0	0.0	0.0

21.00000	69.00000	46.00000	-0.95665	45.958	0.0	0.0	0.0
22.00000	69.00000	46.00000	-0.56959	45.958	0.0	0.0	0.0
23.00000	69.00000	46.00000	-0.38499	45.958	0.0	0.0	0.0
24.00000	69.00000	46.00000	-0.25931	45.958	0.0	0.0	0.0
25.00000	69.00000	46.00000	-0.16445	45.958	0.0	0.0	0.0
26.00000	69.00000	46.00000	-0.091598	45.958	0.0	0.0	0.0
27.00000	69.00000	46.00000	-0.035377	45.958	0.0	0.0	0.0
28.00000	69.00000	46.00000	0.0081403	45.958	0.0	0.0	0.0
29.00000	69.00000	46.00000	0.041861	45.958	0.0	0.0	0.0
30.00000	69.00000	46.00000	0.067939	45.958	0.0	0.0	0.0
31.00000	69.00000	46.00000	0.087995	45.958	0.0	0.0	0.0
32.00000	69.00000	46.00000	0.10326	45.958	0.0	0.0	0.0
33.00000	69.00000	46.00000	0.11469	45.958	0.0	0.0	0.0
34.00000	69.00000	46.00000	0.12304	45.958	0.0	0.0	0.0
35.00000	69.00000	46.00000	0.12890	45.958	0.0	0.0	0.0
36.00000	69.00000	46.00000	0.13275	45.958	0.0	0.0	0.0
37.00000	69.00000	46.00000	0.13497	45.958	0.0	0.0	0.0
38.00000	69.00000	46.00000	0.13589	45.958	0.0	0.0	0.0
39.00000	69.00000	46.00000	0.13576	45.958	0.0	0.0	0.0
40.00000	69.00000	46.00000	0.13478	45.958	0.0	0.0	0.0
41.00000	69.00000	46.00000	0.13314	45.958	0.0	0.0	0.0 !
42.00000	69.00000	46.00000	0.13097	45.958	0.0	0.0	0.0 !
43.00000	69.00000	46.00000	0.12840	45.958	0.0	0.0	0.0 !
44.00000	69.00000	46.00000	0.12552	45.958	0.0	0.0	0.0 !
45.00000	69.00000	46.00000	0.12241	45.958	0.0	0.0	0.0 !
46.00000	69.00000	46.00000	0.11914	45.958	0.0	0.0	0.0 !
47.00000	69.00000	46.00000	0.11575	45.958	0.0	0.0	0.0 !
48.00000	69.00000	46.00000	0.11230	45.958	0.0	0.0	0.0 !
49.00000	69.00000	46.00000	0.10883	45.958	0.0	0.0	0.0 !
50.00000	69.00000	46.00000	0.10535	45.958	0.0	0.0	0.0 !
-10.00000	70.00000	46.00000	0.016448	45.958	0.0	0.0	0.0
-9.00000	70.00000	46.00000	-0.023203	45.958	0.0	0.0	0.0
-8.00000	70.00000	46.00000	-0.073118	45.958	0.0	0.0	0.0
-7.00000	70.00000	46.00000	-0.13590	45.958	0.0	0.0	0.0
-6.00000	70.00000	46.00000	-0.21498	45.958	0.0	0.0	0.0
-5.00000	70.00000	46.00000	-0.31502	45.958	0.0	0.0	0.0
-4.00000	70.00000	46.00000	-0.44259	45.958	0.0	0.0	0.0
-3.00000	70.00000	46.00000	-0.60742	45.958	0.0	0.0	0.0
-2.00000	70.00000	46.00000	-0.82499	45.958	0.0	0.0	0.0
-1.00000	70.00000	46.00000	-1.1220	45.958	0.0	0.0	0.0
0.00000	70.00000	46.00000	-1.5464	45.958	0.0	0.0	0.0
1.00000	70.00000	46.00000	-2.1787	45.958	0.0	0.0	0.0
2.00000	70.00000	46.00000	-3.1095	45.958	0.0	0.0	0.0
3.00000	70.00000	46.00000	-4.3176	45.958	0.0	0.0	0.0
4.00000	70.00000	46.00000	-5.5472	45.958	0.0	0.0	0.0
5.00000	70.00000	46.00000	-6.5015	45.958	0.0	0.0	0.0
6.00000	70.00000	46.00000	-7.1046	45.958	0.0	0.0	0.0
7.00000	70.00000	46.00000	-7.4285	45.958	0.0	0.0	0.0
8.00000	70.00000	46.00000	-7.5455	45.958	0.0	0.0	0.0
9.00000	70.00000	46.00000	-7.4829	45.958	0.0	0.0	0.0
10.00000	70.00000	46.00000	-7.2166	45.958	0.0	0.0	0.0
11.00000	70.00000	46.00000	-6.6598	45.958	0.0	0.0	0.0
12.00000	70.00000	46.00000	-5.6708	45.958	0.0	0.0	0.0
13.00000	70.00000	46.00000	-4.2400	45.958	0.0	0.0	0.0

14.00000	70.00000	46.00000	-3.0018	45.958	0.0	0.0	0.0
15.00000	70.00000	46.00000	-2.8727	45.958	0.0	0.0	0.0
16.00000	70.00000	46.00000	-3.1621	45.958	0.0	0.0	0.0
17.00000	70.00000	46.00000	-3.2927	45.958	0.0	0.0	0.0
18.00000	70.00000	46.00000	-3.2205	45.958	0.0	0.0	0.0
19.00000	70.00000	46.00000	-2.8530	45.958	0.0	0.0	0.0
20.00000	70.00000	46.00000	-1.8754	45.958	0.0	0.0	0.0
21.00000	70.00000	46.00000	-0.92794	45.958	0.0	0.0	0.0
22.00000	70.00000	46.00000	-0.54898	45.958	0.0	0.0	0.0
23.00000	70.00000	46.00000	-0.37036	45.958	0.0	0.0	0.0
24.00000	70.00000	46.00000	-0.24899	45.958	0.0	0.0	0.0
25.00000	70.00000	46.00000	-0.15719	45.958	0.0	0.0	0.0
26.00000	70.00000	46.00000	-0.086461	45.958	0.0	0.0	0.0
27.00000	70.00000	46.00000	-0.031717	45.958	0.0	0.0	0.0
28.00000	70.00000	46.00000	0.010769	45.958	0.0	0.0	0.0
29.00000	70.00000	46.00000	0.043759	45.958	0.0	0.0	0.0
30.00000	70.00000	46.00000	0.069314	45.958	0.0	0.0	0.0
31.00000	70.00000	46.00000	0.088989	45.958	0.0	0.0	0.0
32.00000	70.00000	46.00000	0.10397	45.958	0.0	0.0	0.0
33.00000	70.00000	46.00000	0.11520	45.958	0.0	0.0	0.0
34.00000	70.00000	46.00000	0.12339	45.958	0.0	0.0	0.0
35.00000	70.00000	46.00000	0.12913	45.958	0.0	0.0	0.0
36.00000	70.00000	46.00000	0.13289	45.958	0.0	0.0	0.0
37.00000	70.00000	46.00000	0.13505	45.958	0.0	0.0	0.0
38.00000	70.00000	46.00000	0.13591	45.958	0.0	0.0	0.0
39.00000	70.00000	46.00000	0.13574	45.958	0.0	0.0	0.0
40.00000	70.00000	46.00000	0.13474	45.958	0.0	0.0	0.0
41.00000	70.00000	46.00000	0.13308	45.958	0.0	0.0	0.0 !
42.00000	70.00000	46.00000	0.13090	45.958	0.0	0.0	0.0 !
43.00000	70.00000	46.00000	0.12831	45.958	0.0	0.0	0.0 !
44.00000	70.00000	46.00000	0.12543	45.958	0.0	0.0	0.0 !
45.00000	70.00000	46.00000	0.12231	45.958	0.0	0.0	0.0 !
46.00000	70.00000	46.00000	0.11904	45.958	0.0	0.0	0.0 !
47.00000	70.00000	46.00000	0.11565	45.958	0.0	0.0	0.0 !
48.00000	70.00000	46.00000	0.11220	45.958	0.0	0.0	0.0 !
49.00000	70.00000	46.00000	0.10873	45.958	0.0	0.0	0.0 !
50.00000	70.00000	46.00000	0.10526	45.958	0.0	0.0	0.0 !
-10.00000	71.00000	46.00000	0.018184	45.958	0.0	0.0	0.0
-9.00000	71.00000	46.00000	-0.020978	45.958	0.0	0.0	0.0
-8.00000	71.00000	46.00000	-0.070302	45.958	0.0	0.0	0.0
-7.00000	71.00000	46.00000	-0.13237	45.958	0.0	0.0	0.0
-6.00000	71.00000	46.00000	-0.21061	45.958	0.0	0.0	0.0
-5.00000	71.00000	46.00000	-0.30965	45.958	0.0	0.0	0.0
-4.00000	71.00000	46.00000	-0.43606	45.958	0.0	0.0	0.0
-3.00000	71.00000	46.00000	-0.59955	45.958	0.0	0.0	0.0
-2.00000	71.00000	46.00000	-0.81563	45.958	0.0	0.0	0.0
-1.00000	71.00000	46.00000	-1.1110	45.958	0.0	0.0	0.0
0.00000	71.00000	46.00000	-1.5337	45.958	0.0	0.0	0.0
1.00000	71.00000	46.00000	-2.1642	45.958	0.0	0.0	0.0
2.00000	71.00000	46.00000	-3.0933	45.958	0.0	0.0	0.0
3.00000	71.00000	46.00000	-4.3000	45.958	0.0	0.0	0.0
4.00000	71.00000	46.00000	-5.5285	45.958	0.0	0.0	0.0
5.00000	71.00000	46.00000	-6.4824	45.958	0.0	0.0	0.0
6.00000	71.00000	46.00000	-7.0860	45.958	0.0	0.0	0.0

7.00000	71.00000	46.00000	-7.4119	45.958	0.0	0.0	0.0
8.00000	71.00000	46.00000	-7.5335	45.958	0.0	0.0	0.0
9.00000	71.00000	46.00000	-7.4803	45.958	0.0	0.0	0.0
10.00000	71.00000	46.00000	-7.2327	45.958	0.0	0.0	0.0
11.00000	71.00000	46.00000	-6.7092	45.958	0.0	0.0	0.0
12.00000	71.00000	46.00000	-5.7586	45.958	0.0	0.0	0.0
13.00000	71.00000	46.00000	-4.3123	45.958	0.0	0.0	0.0
14.00000	71.00000	46.00000	-2.9202	45.958	0.0	0.0	0.0
15.00000	71.00000	46.00000	-2.6532	45.958	0.0	0.0	0.0
16.00000	71.00000	46.00000	-3.0488	45.958	0.0	0.0	0.0
17.00000	71.00000	46.00000	-3.1783	45.958	0.0	0.0	0.0
18.00000	71.00000	46.00000	-3.0741	45.958	0.0	0.0	0.0
19.00000	71.00000	46.00000	-2.7059	45.958	0.0	0.0	0.0
20.00000	71.00000	46.00000	-1.7700	45.958	0.0	0.0	0.0
21.00000	71.00000	46.00000	-0.87070	45.958	0.0	0.0	0.0
22.00000	71.00000	46.00000	-0.51601	45.958	0.0	0.0	0.0
23.00000	71.00000	46.00000	-0.34856	45.958	0.0	0.0	0.0
24.00000	71.00000	46.00000	-0.23384	45.958	0.0	0.0	0.0
25.00000	71.00000	46.00000	-0.14651	45.958	0.0	0.0	0.0
26.00000	71.00000	46.00000	-0.078870	45.958	0.0	0.0	0.0
27.00000	71.00000	46.00000	-0.026271	45.958	0.0	0.0	0.0
28.00000	71.00000	46.00000	0.014706	45.958	0.0	0.0	0.0
29.00000	71.00000	46.00000	0.046619	45.958	0.0	0.0	0.0
30.00000	71.00000	46.00000	0.071393	45.958	0.0	0.0	0.0
31.00000	71.00000	46.00000	0.090493	45.958	0.0	0.0	0.0
32.00000	71.00000	46.00000	0.10505	45.958	0.0	0.0	0.0
33.00000	71.00000	46.00000	0.11595	45.958	0.0	0.0	0.0
34.00000	71.00000	46.00000	0.12390	45.958	0.0	0.0	0.0
35.00000	71.00000	46.00000	0.12946	45.958	0.0	0.0	0.0
36.00000	71.00000	46.00000	0.13308	45.958	0.0	0.0	0.0
37.00000	71.00000	46.00000	0.13513	45.958	0.0	0.0	0.0
38.00000	71.00000	46.00000	0.13592	45.958	0.0	0.0	0.0
39.00000	71.00000	46.00000	0.13569	45.958	0.0	0.0	0.0
40.00000	71.00000	46.00000	0.13464	45.958	0.0	0.0	0.0
41.00000	71.00000	46.00000	0.13295	45.958	0.0	0.0	0.0 !
42.00000	71.00000	46.00000	0.13074	45.958	0.0	0.0	0.0 !
43.00000	71.00000	46.00000	0.12814	45.958	0.0	0.0	0.0 !
44.00000	71.00000	46.00000	0.12525	45.958	0.0	0.0	0.0 !
45.00000	71.00000	46.00000	0.12213	45.958	0.0	0.0	0.0 !
46.00000	71.00000	46.00000	0.11885	45.958	0.0	0.0	0.0 !
47.00000	71.00000	46.00000	0.11546	45.958	0.0	0.0	0.0 !
48.00000	71.00000	46.00000	0.11202	45.958	0.0	0.0	0.0 !
49.00000	71.00000	46.00000	0.10855	45.958	0.0	0.0	0.0 !
50.00000	71.00000	46.00000	0.10508	45.958	0.0	0.0	0.0 !
-10.00000	72.00000	46.00000	0.020705	45.958	0.0	0.0	0.0
-9.00000	72.00000	46.00000	-0.017740	45.958	0.0	0.0	0.0
-8.00000	72.00000	46.00000	-0.066190	45.958	0.0	0.0	0.0
-7.00000	72.00000	46.00000	-0.12720	45.958	0.0	0.0	0.0
-6.00000	72.00000	46.00000	-0.20417	45.958	0.0	0.0	0.0
-5.00000	72.00000	46.00000	-0.30170	45.958	0.0	0.0	0.0
-4.00000	72.00000	46.00000	-0.42633	45.958	0.0	0.0	0.0
-3.00000	72.00000	46.00000	-0.58777	45.958	0.0	0.0	0.0
-2.00000	72.00000	46.00000	-0.80150	45.958	0.0	0.0	0.0
-1.00000	72.00000	46.00000	-1.0943	45.958	0.0	0.0	0.0

0.00000	72.00000	46.00000	-1.5141	45.958	0.0	0.0	0.0
1.00000	72.00000	46.00000	-2.1417	45.958	0.0	0.0	0.0
2.00000	72.00000	46.00000	-3.0680	45.958	0.0	0.0	0.0
3.00000	72.00000	46.00000	-4.2721	45.958	0.0	0.0	0.0
4.00000	72.00000	46.00000	-5.4985	45.958	0.0	0.0	0.0
5.00000	72.00000	46.00000	-6.4512	45.958	0.0	0.0	0.0
6.00000	72.00000	46.00000	-7.0549	45.958	0.0	0.0	0.0
7.00000	72.00000	46.00000	-7.3828	45.958	0.0	0.0	0.0
8.00000	72.00000	46.00000	-7.5093	45.958	0.0	0.0	0.0
9.00000	72.00000	46.00000	-7.4660	45.958	0.0	0.0	0.0
10.00000	72.00000	46.00000	-7.2372	45.958	0.0	0.0	0.0
11.00000	72.00000	46.00000	-6.7462	45.958	0.0	0.0	0.0
12.00000	72.00000	46.00000	-5.8393	45.958	0.0	0.0	0.0
13.00000	72.00000	46.00000	-4.4075	45.958	0.0	0.0	0.0
14.00000	72.00000	46.00000	-2.8825	45.958	0.0	0.0	0.0
15.00000	72.00000	46.00000	-2.3099	45.958	0.0	0.0	0.0
16.00000	72.00000	46.00000	-2.5357	45.958	0.0	0.0	0.0
17.00000	72.00000	46.00000	-2.5941	45.958	0.0	0.0	0.0
18.00000	72.00000	46.00000	-2.4603	45.958	0.0	0.0	0.0
19.00000	72.00000	46.00000	-2.1410	45.958	0.0	0.0	0.0
20.00000	72.00000	46.00000	-1.4311	45.958	0.0	0.0	0.0
21.00000	72.00000	46.00000	-0.75551	45.958	0.0	0.0	0.0
22.00000	72.00000	46.00000	-0.46950	45.958	0.0	0.0	0.0
23.00000	72.00000	46.00000	-0.32071	45.958	0.0	0.0	0.0
24.00000	72.00000	46.00000	-0.21477	45.958	0.0	0.0	0.0
25.00000	72.00000	46.00000	-0.13305	45.958	0.0	0.0	0.0
26.00000	72.00000	46.00000	-0.069247	45.958	0.0	0.0	0.0
27.00000	72.00000	46.00000	-0.019320	45.958	0.0	0.0	0.0
28.00000	72.00000	46.00000	0.019763	45.958	0.0	0.0	0.0
29.00000	72.00000	46.00000	0.050311	45.958	0.0	0.0	0.0
30.00000	72.00000	46.00000	0.074086	45.958	0.0	0.0	0.0
31.00000	72.00000	46.00000	0.092444	45.958	0.0	0.0	0.0
32.00000	72.00000	46.00000	0.10645	45.958	0.0	0.0	0.0
33.00000	72.00000	46.00000	0.11693	45.958	0.0	0.0	0.0
34.00000	72.00000	46.00000	0.12456	45.958	0.0	0.0	0.0
35.00000	72.00000	46.00000	0.12987	45.958	0.0	0.0	0.0
36.00000	72.00000	46.00000	0.13331	45.958	0.0	0.0	0.0
37.00000	72.00000	46.00000	0.13522	45.958	0.0	0.0	0.0
38.00000	72.00000	46.00000	0.13590	45.958	0.0	0.0	0.0
39.00000	72.00000	46.00000	0.13559	45.958	0.0	0.0	0.0
40.00000	72.00000	46.00000	0.13448	45.958	0.0	0.0	0.0
41.00000	72.00000	46.00000	0.13274	45.958	0.0	0.0	0.0 !
42.00000	72.00000	46.00000	0.13051	45.958	0.0	0.0	0.0 !
43.00000	72.00000	46.00000	0.12789	45.958	0.0	0.0	0.0 !
44.00000	72.00000	46.00000	0.12498	45.958	0.0	0.0	0.0 !
45.00000	72.00000	46.00000	0.12185	45.958	0.0	0.0	0.0 !
46.00000	72.00000	46.00000	0.11857	45.958	0.0	0.0	0.0 !
47.00000	72.00000	46.00000	0.11519	45.958	0.0	0.0	0.0 !
48.00000	72.00000	46.00000	0.11175	45.958	0.0	0.0	0.0 !
49.00000	72.00000	46.00000	0.10829	45.958	0.0	0.0	0.0 !
50.00000	72.00000	46.00000	0.10482	45.958	0.0	0.0	0.0 !
-10.00000	73.00000	46.00000	0.023994	45.958	0.0	0.0	0.0
-9.00000	73.00000	46.00000	-0.013499	45.958	0.0	0.0	0.0
-8.00000	73.00000	46.00000	-0.060785	45.958	0.0	0.0	0.0

-7.00000	73.00000	46.00000	-0.12038	45.958	0.0	0.0	0.0
-6.00000	73.00000	46.00000	-0.19563	45.958	0.0	0.0	0.0
-5.00000	73.00000	46.00000	-0.29110	45.958	0.0	0.0	0.0
-4.00000	73.00000	46.00000	-0.41327	45.958	0.0	0.0	0.0
-3.00000	73.00000	46.00000	-0.57181	45.958	0.0	0.0	0.0
-2.00000	73.00000	46.00000	-0.78219	45.958	0.0	0.0	0.0
-1.00000	73.00000	46.00000	-1.0712	45.958	0.0	0.0	0.0
0.00000	73.00000	46.00000	-1.4869	45.958	0.0	0.0	0.0
1.00000	73.00000	46.00000	-2.1100	45.958	0.0	0.0	0.0
2.00000	73.00000	46.00000	-3.0319	45.958	0.0	0.0	0.0
3.00000	73.00000	46.00000	-4.2318	45.958	0.0	0.0	0.0
4.00000	73.00000	46.00000	-5.4548	45.958	0.0	0.0	0.0
5.00000	73.00000	46.00000	-6.4051	45.958	0.0	0.0	0.0
6.00000	73.00000	46.00000	-7.0080	45.958	0.0	0.0	0.0
7.00000	73.00000	46.00000	-7.3373	45.958	0.0	0.0	0.0
8.00000	73.00000	46.00000	-7.4687	45.958	0.0	0.0	0.0
9.00000	73.00000	46.00000	-7.4358	45.958	0.0	0.0	0.0
10.00000	73.00000	46.00000	-7.2282	45.958	0.0	0.0	0.0
11.00000	73.00000	46.00000	-6.7822	45.958	0.0	0.0	0.0
12.00000	73.00000	46.00000	-5.9694	45.958	0.0	0.0	0.0
13.00000	73.00000	46.00000	-4.6848	45.958	0.0	0.0	0.0
14.00000	73.00000	46.00000	-3.1955	45.958	0.0	0.0	0.0
15.00000	73.00000	46.00000	-2.2177	45.958	0.0	0.0	0.0
16.00000	73.00000	46.00000	-1.8851	45.958	0.0	0.0	0.0
17.00000	73.00000	46.00000	-1.7095	45.958	0.0	0.0	0.0
18.00000	73.00000	46.00000	-1.5129	45.958	0.0	0.0	0.0
19.00000	73.00000	46.00000	-1.2661	45.958	0.0	0.0	0.0
20.00000	73.00000	46.00000	-0.92413	45.958	0.0	0.0	0.0
21.00000	73.00000	46.00000	-0.60682	45.958	0.0	0.0	0.0
22.00000	73.00000	46.00000	-0.41595	45.958	0.0	0.0	0.0
23.00000	73.00000	46.00000	-0.28931	45.958	0.0	0.0	0.0
24.00000	73.00000	46.00000	-0.19314	45.958	0.0	0.0	0.0
25.00000	73.00000	46.00000	-0.11763	45.958	0.0	0.0	0.0
26.00000	73.00000	46.00000	-0.058107	45.958	0.0	0.0	0.0
27.00000	73.00000	46.00000	-0.011200	45.958	0.0	0.0	0.0
28.00000	73.00000	46.00000	0.025716	45.958	0.0	0.0	0.0
29.00000	73.00000	46.00000	0.054683	45.958	0.0	0.0	0.0
30.00000	73.00000	46.00000	0.077287	45.958	0.0	0.0	0.0
31.00000	73.00000	46.00000	0.094768	45.958	0.0	0.0	0.0
32.00000	73.00000	46.00000	0.10811	45.958	0.0	0.0	0.0
33.00000	73.00000	46.00000	0.11808	45.958	0.0	0.0	0.0
34.00000	73.00000	46.00000	0.12533	45.958	0.0	0.0	0.0
35.00000	73.00000	46.00000	0.13035	45.958	0.0	0.0	0.0
36.00000	73.00000	46.00000	0.13356	45.958	0.0	0.0	0.0
37.00000	73.00000	46.00000	0.13530	45.958	0.0	0.0	0.0
38.00000	73.00000	46.00000	0.13585	45.958	0.0	0.0	0.0
39.00000	73.00000	46.00000	0.13544	45.958	0.0	0.0	0.0
40.00000	73.00000	46.00000	0.13426	45.958	0.0	0.0	0.0
41.00000	73.00000	46.00000	0.13247	45.958	0.0	0.0	0.0 !
42.00000	73.00000	46.00000	0.13020	45.958	0.0	0.0	0.0 !
43.00000	73.00000	46.00000	0.12755	45.958	0.0	0.0	0.0 !
44.00000	73.00000	46.00000	0.12463	45.958	0.0	0.0	0.0 !
45.00000	73.00000	46.00000	0.12149	45.958	0.0	0.0	0.0 !
46.00000	73.00000	46.00000	0.11821	45.958	0.0	0.0	0.0 !



47.00000	73.00000	46.00000	0.11483	45.958	0.0	0.0	0.0	!
48.00000	73.00000	46.00000	0.11140	45.958	0.0	0.0	0.0	!
49.00000	73.00000	46.00000	0.10794	45.958	0.0	0.0	0.0	!
50.00000	73.00000	46.00000	0.10449	45.958	0.0	0.0	0.0	!
-10.00000	74.00000	46.00000	0.028027	45.958	0.0	0.0	0.0	
-9.00000	74.00000	46.00000	-0.0082792	45.958	0.0	0.0	0.0	
-8.00000	74.00000	46.00000	-0.054104	45.958	0.0	0.0	0.0	
-7.00000	74.00000	46.00000	-0.11190	45.958	0.0	0.0	0.0	
-6.00000	74.00000	46.00000	-0.18496	45.958	0.0	0.0	0.0	
-5.00000	74.00000	46.00000	-0.27776	45.958	0.0	0.0	0.0	
-4.00000	74.00000	46.00000	-0.39670	45.958	0.0	0.0	0.0	
-3.00000	74.00000	46.00000	-0.55137	45.958	0.0	0.0	0.0	
-2.00000	74.00000	46.00000	-0.75720	45.958	0.0	0.0	0.0	
-1.00000	74.00000	46.00000	-1.0409	45.958	0.0	0.0	0.0	
0.00000	74.00000	46.00000	-1.4506	45.958	0.0	0.0	0.0	
1.00000	74.00000	46.00000	-2.0673	45.958	0.0	0.0	0.0	
2.00000	74.00000	46.00000	-2.9825	45.958	0.0	0.0	0.0	
3.00000	74.00000	46.00000	-4.1760	45.958	0.0	0.0	0.0	
4.00000	74.00000	46.00000	-5.3934	45.958	0.0	0.0	0.0	
5.00000	74.00000	46.00000	-6.3394	45.958	0.0	0.0	0.0	
6.00000	74.00000	46.00000	-6.9401	45.958	0.0	0.0	0.0	
7.00000	74.00000	46.00000	-7.2699	45.958	0.0	0.0	0.0	
8.00000	74.00000	46.00000	-7.4055	45.958	0.0	0.0	0.0	
9.00000	74.00000	46.00000	-7.3826	45.958	0.0	0.0	0.0	
10.00000	74.00000	46.00000	-7.1961	45.958	0.0	0.0	0.0	
11.00000	74.00000	46.00000	-6.7954	45.958	0.0	0.0	0.0	
12.00000	74.00000	46.00000	-6.0763	45.958	0.0	0.0	0.0	
13.00000	74.00000	46.00000	-4.9375	45.958	0.0	0.0	0.0	
14.00000	74.00000	46.00000	-3.5259	45.958	0.0	0.0	0.0	
15.00000	74.00000	46.00000	-2.3681	45.958	0.0	0.0	0.0	
16.00000	74.00000	46.00000	-1.7285	45.958	0.0	0.0	0.0	
17.00000	74.00000	46.00000	-1.3748	45.958	0.0	0.0	0.0	
18.00000	74.00000	46.00000	-1.1153	45.958	0.0	0.0	0.0	
19.00000	74.00000	46.00000	-0.89127	45.958	0.0	0.0	0.0	
20.00000	74.00000	46.00000	-0.68531	45.958	0.0	0.0	0.0	
21.00000	74.00000	46.00000	-0.50697	45.958	0.0	0.0	0.0	
22.00000	74.00000	46.00000	-0.36684	45.958	0.0	0.0	0.0	
23.00000	74.00000	46.00000	-0.25736	45.958	0.0	0.0	0.0	
24.00000	74.00000	46.00000	-0.17039	45.958	0.0	0.0	0.0	
25.00000	74.00000	46.00000	-0.10110	45.958	0.0	0.0	0.0	
26.00000	74.00000	46.00000	-0.045983	45.958	0.0	0.0	0.0	
27.00000	74.00000	46.00000	-0.0022570	45.958	0.0	0.0	0.0	
28.00000	74.00000	46.00000	0.032333	45.958	0.0	0.0	0.0	
29.00000	74.00000	46.00000	0.059574	45.958	0.0	0.0	0.0	
30.00000	74.00000	46.00000	0.080883	45.958	0.0	0.0	0.0	
31.00000	74.00000	46.00000	0.097384	45.958	0.0	0.0	0.0	
32.00000	74.00000	46.00000	0.10997	45.958	0.0	0.0	0.0	
33.00000	74.00000	46.00000	0.11938	45.958	0.0	0.0	0.0	
34.00000	74.00000	46.00000	0.12618	45.958	0.0	0.0	0.0	
35.00000	74.00000	46.00000	0.13086	45.958	0.0	0.0	0.0	
36.00000	74.00000	46.00000	0.13381	45.958	0.0	0.0	0.0	
37.00000	74.00000	46.00000	0.13535	45.958	0.0	0.0	0.0	
38.00000	74.00000	46.00000	0.13575	45.958	0.0	0.0	0.0	
39.00000	74.00000	46.00000	0.13523	45.958	0.0	0.0	0.0	

40.00000	74.00000	46.00000	0.13396	45.958	0.0	0.0	0.0
41.00000	74.00000	46.00000	0.13211	45.958	0.0	0.0	0.0 !
42.00000	74.00000	46.00000	0.12980	45.958	0.0	0.0	0.0 !
43.00000	74.00000	46.00000	0.12713	45.958	0.0	0.0	0.0 !
44.00000	74.00000	46.00000	0.12419	45.958	0.0	0.0	0.0 !
45.00000	74.00000	46.00000	0.12104	45.958	0.0	0.0	0.0 !
46.00000	74.00000	46.00000	0.11776	45.958	0.0	0.0	0.0 !
47.00000	74.00000	46.00000	0.11439	45.958	0.0	0.0	0.0 !
48.00000	74.00000	46.00000	0.11096	45.958	0.0	0.0	0.0 !
49.00000	74.00000	46.00000	0.10751	45.958	0.0	0.0	0.0 !
50.00000	74.00000	46.00000	0.10408	45.958	0.0	0.0	0.0 !
-10.00000	75.00000	46.00000	0.032768	45.958	0.0	0.0	0.0
-9.00000	75.00000	46.00000	-0.0021196	45.958	0.0	0.0	0.0
-8.00000	75.00000	46.00000	-0.046183	45.958	0.0	0.0	0.0
-7.00000	75.00000	46.00000	-0.10180	45.958	0.0	0.0	0.0
-6.00000	75.00000	46.00000	-0.17215	45.958	0.0	0.0	0.0
-5.00000	75.00000	46.00000	-0.26163	45.958	0.0	0.0	0.0
-4.00000	75.00000	46.00000	-0.37648	45.958	0.0	0.0	0.0
-3.00000	75.00000	46.00000	-0.52615	45.958	0.0	0.0	0.0
-2.00000	75.00000	46.00000	-0.72593	45.958	0.0	0.0	0.0
-1.00000	75.00000	46.00000	-1.0024	45.958	0.0	0.0	0.0
0.00000	75.00000	46.00000	-1.4038	45.958	0.0	0.0	0.0
1.00000	75.00000	46.00000	-2.0110	45.958	0.0	0.0	0.0
2.00000	75.00000	46.00000	-2.9161	45.958	0.0	0.0	0.0
3.00000	75.00000	46.00000	-4.0997	45.958	0.0	0.0	0.0
4.00000	75.00000	46.00000	-5.3081	45.958	0.0	0.0	0.0
5.00000	75.00000	46.00000	-6.2471	45.958	0.0	0.0	0.0
6.00000	75.00000	46.00000	-6.8434	45.958	0.0	0.0	0.0
7.00000	75.00000	46.00000	-7.1720	45.958	0.0	0.0	0.0
8.00000	75.00000	46.00000	-7.3105	45.958	0.0	0.0	0.0
9.00000	75.00000	46.00000	-7.2963	45.958	0.0	0.0	0.0
10.00000	75.00000	46.00000	-7.1276	45.958	0.0	0.0	0.0
11.00000	75.00000	46.00000	-6.7615	45.958	0.0	0.0	0.0
12.00000	75.00000	46.00000	-6.1037	45.958	0.0	0.0	0.0
13.00000	75.00000	46.00000	-5.0469	45.958	0.0	0.0	0.0
14.00000	75.00000	46.00000	-3.6848	45.958	0.0	0.0	0.0
15.00000	75.00000	46.00000	-2.4831	45.958	0.0	0.0	0.0
16.00000	75.00000	46.00000	-1.7409	45.958	0.0	0.0	0.0
17.00000	75.00000	46.00000	-1.3048	45.958	0.0	0.0	0.0
18.00000	75.00000	46.00000	-1.0061	45.958	0.0	0.0	0.0
19.00000	75.00000	46.00000	-0.77828	45.958	0.0	0.0	0.0
20.00000	75.00000	46.00000	-0.59539	45.958	0.0	0.0	0.0
21.00000	75.00000	46.00000	-0.44609	45.958	0.0	0.0	0.0
22.00000	75.00000	46.00000	-0.32478	45.958	0.0	0.0	0.0
23.00000	75.00000	46.00000	-0.22670	45.958	0.0	0.0	0.0
24.00000	75.00000	46.00000	-0.14765	45.958	0.0	0.0	0.0
25.00000	75.00000	46.00000	-0.084158	45.958	0.0	0.0	0.0
26.00000	75.00000	46.00000	-0.033340	45.958	0.0	0.0	0.0
27.00000	75.00000	46.00000	0.0071933	45.958	0.0	0.0	0.0
28.00000	75.00000	46.00000	0.039393	45.958	0.0	0.0	0.0
29.00000	75.00000	46.00000	0.064829	45.958	0.0	0.0	0.0
30.00000	75.00000	46.00000	0.084763	45.958	0.0	0.0	0.0
31.00000	75.00000	46.00000	0.10021	45.958	0.0	0.0	0.0
32.00000	75.00000	46.00000	0.11199	45.958	0.0	0.0	0.0

33.00000	75.00000	46.00000	0.12076	45.958	0.0	0.0	0.0
34.00000	75.00000	46.00000	0.12708	45.958	0.0	0.0	0.0
35.00000	75.00000	46.00000	0.13139	45.958	0.0	0.0	0.0
36.00000	75.00000	46.00000	0.13405	45.958	0.0	0.0	0.0
37.00000	75.00000	46.00000	0.13537	45.958	0.0	0.0	0.0
38.00000	75.00000	46.00000	0.13560	45.958	0.0	0.0	0.0
39.00000	75.00000	46.00000	0.13495	45.958	0.0	0.0	0.0
40.00000	75.00000	46.00000	0.13360	45.958	0.0	0.0	0.0
41.00000	75.00000	46.00000	0.13168	45.958	0.0	0.0	0.0 !
42.00000	75.00000	46.00000	0.12932	45.958	0.0	0.0	0.0 !
43.00000	75.00000	46.00000	0.12662	45.958	0.0	0.0	0.0 !
44.00000	75.00000	46.00000	0.12366	45.958	0.0	0.0	0.0 !
45.00000	75.00000	46.00000	0.12051	45.958	0.0	0.0	0.0 !
46.00000	75.00000	46.00000	0.11723	45.958	0.0	0.0	0.0 !
47.00000	75.00000	46.00000	0.11386	45.958	0.0	0.0	0.0 !
48.00000	75.00000	46.00000	0.11044	45.958	0.0	0.0	0.0 !
49.00000	75.00000	46.00000	0.10701	45.958	0.0	0.0	0.0 !
50.00000	75.00000	46.00000	0.10359	45.958	0.0	0.0	0.0 !
-10.00000	76.00000	46.00000	0.038162	45.958	0.0	0.0	0.0
-9.00000	76.00000	46.00000	0.0049192	45.958	0.0	0.0	0.0
-8.00000	76.00000	46.00000	-0.037087	45.958	0.0	0.0	0.0
-7.00000	76.00000	46.00000	-0.090132	45.958	0.0	0.0	0.0
-6.00000	76.00000	46.00000	-0.15727	45.958	0.0	0.0	0.0
-5.00000	76.00000	46.00000	-0.24271	45.958	0.0	0.0	0.0
-4.00000	76.00000	46.00000	-0.35251	45.958	0.0	0.0	0.0
-3.00000	76.00000	46.00000	-0.49588	45.958	0.0	0.0	0.0
-2.00000	76.00000	46.00000	-0.68778	45.958	0.0	0.0	0.0
-1.00000	76.00000	46.00000	-0.95453	45.958	0.0	0.0	0.0
0.00000	76.00000	46.00000	-1.3441	45.958	0.0	0.0	0.0
1.00000	76.00000	46.00000	-1.9374	45.958	0.0	0.0	0.0
2.00000	76.00000	46.00000	-2.8271	45.958	0.0	0.0	0.0
3.00000	76.00000	46.00000	-3.9949	45.958	0.0	0.0	0.0
4.00000	76.00000	46.00000	-5.1888	45.958	0.0	0.0	0.0
5.00000	76.00000	46.00000	-6.1164	45.958	0.0	0.0	0.0
6.00000	76.00000	46.00000	-6.7051	45.958	0.0	0.0	0.0
7.00000	76.00000	46.00000	-7.0303	45.958	0.0	0.0	0.0
8.00000	76.00000	46.00000	-7.1701	45.958	0.0	0.0	0.0
9.00000	76.00000	46.00000	-7.1626	45.958	0.0	0.0	0.0
10.00000	76.00000	46.00000	-7.0084	45.958	0.0	0.0	0.0
11.00000	76.00000	46.00000	-6.6678	45.958	0.0	0.0	0.0
12.00000	76.00000	46.00000	-6.0503	45.958	0.0	0.0	0.0
13.00000	76.00000	46.00000	-5.0439	45.958	0.0	0.0	0.0
14.00000	76.00000	46.00000	-3.7194	45.958	0.0	0.0	0.0
15.00000	76.00000	46.00000	-2.5153	45.958	0.0	0.0	0.0
16.00000	76.00000	46.00000	-1.7381	45.958	0.0	0.0	0.0
17.00000	76.00000	46.00000	-1.2661	45.958	0.0	0.0	0.0
18.00000	76.00000	46.00000	-0.94741	45.958	0.0	0.0	0.0
19.00000	76.00000	46.00000	-0.71527	45.958	0.0	0.0	0.0
20.00000	76.00000	46.00000	-0.53820	45.958	0.0	0.0	0.0
21.00000	76.00000	46.00000	-0.39892	45.958	0.0	0.0	0.0
22.00000	76.00000	46.00000	-0.28752	45.958	0.0	0.0	0.0
23.00000	76.00000	46.00000	-0.19782	45.958	0.0	0.0	0.0
24.00000	76.00000	46.00000	-0.12551	45.958	0.0	0.0	0.0
25.00000	76.00000	46.00000	-0.067284	45.958	0.0	0.0	0.0

26.00000	76.00000	46.00000	-0.020527	45.958	0.0	0.0	0.0
27.00000	76.00000	46.00000	0.016895	45.958	0.0	0.0	0.0
28.00000	76.00000	46.00000	0.046708	45.958	0.0	0.0	0.0
29.00000	76.00000	46.00000	0.070307	45.958	0.0	0.0	0.0
30.00000	76.00000	46.00000	0.088821	45.958	0.0	0.0	0.0
31.00000	76.00000	46.00000	0.10317	45.958	0.0	0.0	0.0
32.00000	76.00000	46.00000	0.11409	45.958	0.0	0.0	0.0
33.00000	76.00000	46.00000	0.12220	45.958	0.0	0.0	0.0
34.00000	76.00000	46.00000	0.12800	45.958	0.0	0.0	0.0
35.00000	76.00000	46.00000	0.13190	45.958	0.0	0.0	0.0
36.00000	76.00000	46.00000	0.13425	45.958	0.0	0.0	0.0
37.00000	76.00000	46.00000	0.13534	45.958	0.0	0.0	0.0
38.00000	76.00000	46.00000	0.13539	45.958	0.0	0.0	0.0
39.00000	76.00000	46.00000	0.13460	45.958	0.0	0.0	0.0
40.00000	76.00000	46.00000	0.13315	45.958	0.0	0.0	0.0
41.00000	76.00000	46.00000	0.13116	45.958	0.0	0.0	0.0 !
42.00000	76.00000	46.00000	0.12875	45.958	0.0	0.0	0.0 !
43.00000	76.00000	46.00000	0.12602	45.958	0.0	0.0	0.0 !
44.00000	76.00000	46.00000	0.12304	45.958	0.0	0.0	0.0 !
45.00000	76.00000	46.00000	0.11988	45.958	0.0	0.0	0.0 !
46.00000	76.00000	46.00000	0.11660	45.958	0.0	0.0	0.0 !
47.00000	76.00000	46.00000	0.11324	45.958	0.0	0.0	0.0 !
48.00000	76.00000	46.00000	0.10984	45.958	0.0	0.0	0.0 !
49.00000	76.00000	46.00000	0.10642	45.958	0.0	0.0	0.0 !
50.00000	76.00000	46.00000	0.10302	45.958	0.0	0.0	0.0 !
-10.00000	77.00000	46.00000	0.044137	45.958	0.0	0.0	0.0
-9.00000	77.00000	46.00000	0.012751	45.958	0.0	0.0	0.0
-8.00000	77.00000	46.00000	-0.026916	45.958	0.0	0.0	0.0
-7.00000	77.00000	46.00000	-0.077009	45.958	0.0	0.0	0.0
-6.00000	77.00000	46.00000	-0.14041	45.958	0.0	0.0	0.0
-5.00000	77.00000	46.00000	-0.22109	45.958	0.0	0.0	0.0
-4.00000	77.00000	46.00000	-0.32483	45.958	0.0	0.0	0.0
-3.00000	77.00000	46.00000	-0.46040	45.958	0.0	0.0	0.0
-2.00000	77.00000	46.00000	-0.64225	45.958	0.0	0.0	0.0
-1.00000	77.00000	46.00000	-0.89598	45.958	0.0	0.0	0.0
0.00000	77.00000	46.00000	-1.2688	45.958	0.0	0.0	0.0
1.00000	77.00000	46.00000	-1.8412	45.958	0.0	0.0	0.0
2.00000	77.00000	46.00000	-2.7061	45.958	0.0	0.0	0.0
3.00000	77.00000	46.00000	-3.8475	45.958	0.0	0.0	0.0
4.00000	77.00000	46.00000	-5.0172	45.958	0.0	0.0	0.0
5.00000	77.00000	46.00000	-5.9261	45.958	0.0	0.0	0.0
6.00000	77.00000	46.00000	-6.5026	45.958	0.0	0.0	0.0
7.00000	77.00000	46.00000	-6.8217	45.958	0.0	0.0	0.0
8.00000	77.00000	46.00000	-6.9609	45.958	0.0	0.0	0.0
9.00000	77.00000	46.00000	-6.9586	45.958	0.0	0.0	0.0
10.00000	77.00000	46.00000	-6.8165	45.958	0.0	0.0	0.0
11.00000	77.00000	46.00000	-6.4982	45.958	0.0	0.0	0.0
12.00000	77.00000	46.00000	-5.9185	45.958	0.0	0.0	0.0
13.00000	77.00000	46.00000	-4.9686	45.958	0.0	0.0	0.0
14.00000	77.00000	46.00000	-3.7022	45.958	0.0	0.0	0.0
15.00000	77.00000	46.00000	-2.5177	45.958	0.0	0.0	0.0
16.00000	77.00000	46.00000	-1.7192	45.958	0.0	0.0	0.0
17.00000	77.00000	46.00000	-1.2228	45.958	0.0	0.0	0.0
18.00000	77.00000	46.00000	-0.89322	45.958	0.0	0.0	0.0

19.00000	77.00000	46.00000	-0.66065	45.958	0.0	0.0	0.0
20.00000	77.00000	46.00000	-0.48874	45.958	0.0	0.0	0.0
21.00000	77.00000	46.00000	-0.35690	45.958	0.0	0.0	0.0
22.00000	77.00000	46.00000	-0.25322	45.958	0.0	0.0	0.0
23.00000	77.00000	46.00000	-0.17052	45.958	0.0	0.0	0.0
24.00000	77.00000	46.00000	-0.10412	45.958	0.0	0.0	0.0
25.00000	77.00000	46.00000	-0.050702	45.958	0.0	0.0	0.0
26.00000	77.00000	46.00000	-0.0077601	45.958	0.0	0.0	0.0
27.00000	77.00000	46.00000	0.026663	45.958	0.0	0.0	0.0
28.00000	77.00000	46.00000	0.054128	45.958	0.0	0.0	0.0
29.00000	77.00000	46.00000	0.075890	45.958	0.0	0.0	0.0
30.00000	77.00000	46.00000	0.092965	45.958	0.0	0.0	0.0
31.00000	77.00000	46.00000	0.10618	45.958	0.0	0.0	0.0
32.00000	77.00000	46.00000	0.11622	45.958	0.0	0.0	0.0
33.00000	77.00000	46.00000	0.12364	45.958	0.0	0.0	0.0
34.00000	77.00000	46.00000	0.12890	45.958	0.0	0.0	0.0
35.00000	77.00000	46.00000	0.13238	45.958	0.0	0.0	0.0
36.00000	77.00000	46.00000	0.13441	45.958	0.0	0.0	0.0
37.00000	77.00000	46.00000	0.13524	45.958	0.0	0.0	0.0
38.00000	77.00000	46.00000	0.13510	45.958	0.0	0.0	0.0
39.00000	77.00000	46.00000	0.13418	45.958	0.0	0.0	0.0
40.00000	77.00000	46.00000	0.13262	45.958	0.0	0.0	0.0
41.00000	77.00000	46.00000	0.13055	45.958	0.0	0.0	0.0 !
42.00000	77.00000	46.00000	0.12810	45.958	0.0	0.0	0.0 !
43.00000	77.00000	46.00000	0.12533	45.958	0.0	0.0	0.0 !
44.00000	77.00000	46.00000	0.12234	45.958	0.0	0.0	0.0 !
45.00000	77.00000	46.00000	0.11917	45.958	0.0	0.0	0.0 !
46.00000	77.00000	46.00000	0.11590	45.958	0.0	0.0	0.0 !
47.00000	77.00000	46.00000	0.11254	45.958	0.0	0.0	0.0 !
48.00000	77.00000	46.00000	0.10916	45.958	0.0	0.0	0.0 !
49.00000	77.00000	46.00000	0.10576	45.958	0.0	0.0	0.0 !
50.00000	77.00000	46.00000	0.10238	45.958	0.0	0.0	0.0 !
-10.00000	78.00000	46.00000	0.050601	45.958	0.0	0.0	0.0
-9.00000	78.00000	46.00000	0.021263	45.958	0.0	0.0	0.0
-8.00000	78.00000	46.00000	-0.015810	45.958	0.0	0.0	0.0
-7.00000	78.00000	46.00000	-0.062600	45.958	0.0	0.0	0.0
-6.00000	78.00000	46.00000	-0.12177	45.958	0.0	0.0	0.0
-5.00000	78.00000	46.00000	-0.19700	45.958	0.0	0.0	0.0
-4.00000	78.00000	46.00000	-0.29363	45.958	0.0	0.0	0.0
-3.00000	78.00000	46.00000	-0.41982	45.958	0.0	0.0	0.0
-2.00000	78.00000	46.00000	-0.58910	45.958	0.0	0.0	0.0
-1.00000	78.00000	46.00000	-0.82569	45.958	0.0	0.0	0.0
0.00000	78.00000	46.00000	-1.1748	45.958	0.0	0.0	0.0
1.00000	78.00000	46.00000	-1.7148	45.958	0.0	0.0	0.0
2.00000	78.00000	46.00000	-2.5378	45.958	0.0	0.0	0.0
3.00000	78.00000	46.00000	-3.6321	45.958	0.0	0.0	0.0
4.00000	78.00000	46.00000	-4.7587	45.958	0.0	0.0	0.0
5.00000	78.00000	46.00000	-5.6363	45.958	0.0	0.0	0.0
6.00000	78.00000	46.00000	-6.1946	45.958	0.0	0.0	0.0
7.00000	78.00000	46.00000	-6.5047	45.958	0.0	0.0	0.0
8.00000	78.00000	46.00000	-6.6415	45.958	0.0	0.0	0.0
9.00000	78.00000	46.00000	-6.6428	45.958	0.0	0.0	0.0
10.00000	78.00000	46.00000	-6.5113	45.958	0.0	0.0	0.0
11.00000	78.00000	46.00000	-6.2146	45.958	0.0	0.0	0.0

12.00000	78.00000	46.00000	-5.6779	45.958	0.0	0.0	0.0
13.00000	78.00000	46.00000	-4.8068	45.958	0.0	0.0	0.0
14.00000	78.00000	46.00000	-3.6389	45.958	0.0	0.0	0.0
15.00000	78.00000	46.00000	-2.5008	45.958	0.0	0.0	0.0
16.00000	78.00000	46.00000	-1.6846	45.958	0.0	0.0	0.0
17.00000	78.00000	46.00000	-1.1675	45.958	0.0	0.0	0.0
18.00000	78.00000	46.00000	-0.83350	45.958	0.0	0.0	0.0
19.00000	78.00000	46.00000	-0.60543	45.958	0.0	0.0	0.0
20.00000	78.00000	46.00000	-0.44089	45.958	0.0	0.0	0.0
21.00000	78.00000	46.00000	-0.31689	45.958	0.0	0.0	0.0
22.00000	78.00000	46.00000	-0.22056	45.958	0.0	0.0	0.0
23.00000	78.00000	46.00000	-0.14434	45.958	0.0	0.0	0.0
24.00000	78.00000	46.00000	-0.083412	45.958	0.0	0.0	0.0
25.00000	78.00000	46.00000	-0.034483	45.958	0.0	0.0	0.0
26.00000	78.00000	46.00000	0.0048377	45.958	0.0	0.0	0.0
27.00000	78.00000	46.00000	0.036369	45.958	0.0	0.0	0.0
28.00000	78.00000	46.00000	0.061536	45.958	0.0	0.0	0.0
29.00000	78.00000	46.00000	0.081477	45.958	0.0	0.0	0.0
30.00000	78.00000	46.00000	0.097113	45.958	0.0	0.0	0.0
31.00000	78.00000	46.00000	0.10919	45.958	0.0	0.0	0.0
32.00000	78.00000	46.00000	0.11834	45.958	0.0	0.0	0.0
33.00000	78.00000	46.00000	0.12505	45.958	0.0	0.0	0.0
34.00000	78.00000	46.00000	0.12976	45.958	0.0	0.0	0.0
35.00000	78.00000	46.00000	0.13281	45.958	0.0	0.0	0.0
36.00000	78.00000	46.00000	0.13450	45.958	0.0	0.0	0.0
37.00000	78.00000	46.00000	0.13507	45.958	0.0	0.0	0.0
38.00000	78.00000	46.00000	0.13474	45.958	0.0	0.0	0.0
39.00000	78.00000	46.00000	0.13366	45.958	0.0	0.0	0.0
40.00000	78.00000	46.00000	0.13200	45.958	0.0	0.0	0.0
41.00000	78.00000	46.00000	0.12986	45.958	0.0	0.0	0.0 !
42.00000	78.00000	46.00000	0.12735	45.958	0.0	0.0	0.0 !
43.00000	78.00000	46.00000	0.12455	45.958	0.0	0.0	0.0 !
44.00000	78.00000	46.00000	0.12154	45.958	0.0	0.0	0.0 !
45.00000	78.00000	46.00000	0.11838	45.958	0.0	0.0	0.0 !
46.00000	78.00000	46.00000	0.11510	45.958	0.0	0.0	0.0 !
47.00000	78.00000	46.00000	0.11177	45.958	0.0	0.0	0.0 !
48.00000	78.00000	46.00000	0.10839	45.958	0.0	0.0	0.0 !
49.00000	78.00000	46.00000	0.10502	45.958	0.0	0.0	0.0 !
50.00000	78.00000	46.00000	0.10166	45.958	0.0	0.0	0.0 !
-10.00000	79.00000	46.00000	0.057444	45.958	0.0	0.0	0.0
-9.00000	79.00000	46.00000	0.030310	45.958	0.0	0.0	0.0
-8.00000	79.00000	46.00000	-0.0039523	45.958	0.0	0.0	0.0
-7.00000	79.00000	46.00000	-0.047140	45.958	0.0	0.0	0.0
-6.00000	79.00000	46.00000	-0.10165	45.958	0.0	0.0	0.0
-5.00000	79.00000	46.00000	-0.17081	45.958	0.0	0.0	0.0
-4.00000	79.00000	46.00000	-0.25937	45.958	0.0	0.0	0.0
-3.00000	79.00000	46.00000	-0.37465	45.958	0.0	0.0	0.0
-2.00000	79.00000	46.00000	-0.52873	45.958	0.0	0.0	0.0
-1.00000	79.00000	46.00000	-0.74337	45.958	0.0	0.0	0.0
0.00000	79.00000	46.00000	-1.0596	45.958	0.0	0.0	0.0
1.00000	79.00000	46.00000	-1.5495	45.958	0.0	0.0	0.0
2.00000	79.00000	46.00000	-2.3005	45.958	0.0	0.0	0.0
3.00000	79.00000	46.00000	-3.3070	45.958	0.0	0.0	0.0
4.00000	79.00000	46.00000	-4.3529	45.958	0.0	0.0	0.0

5.00000	79.00000	46.00000	-5.1775	45.958	0.0	0.0	0.0
6.00000	79.00000	46.00000	-5.7092	45.958	0.0	0.0	0.0
7.00000	79.00000	46.00000	-6.0074	45.958	0.0	0.0	0.0
8.00000	79.00000	46.00000	-6.1400	45.958	0.0	0.0	0.0
9.00000	79.00000	46.00000	-6.1433	45.958	0.0	0.0	0.0
10.00000	79.00000	46.00000	-6.0207	45.958	0.0	0.0	0.0
11.00000	79.00000	46.00000	-5.7435	45.958	0.0	0.0	0.0
12.00000	79.00000	46.00000	-5.2508	45.958	0.0	0.0	0.0
13.00000	79.00000	46.00000	-4.4721	45.958	0.0	0.0	0.0
14.00000	79.00000	46.00000	-3.4358	45.958	0.0	0.0	0.0
15.00000	79.00000	46.00000	-2.3891	45.958	0.0	0.0	0.0
16.00000	79.00000	46.00000	-1.5961	45.958	0.0	0.0	0.0
17.00000	79.00000	46.00000	-1.0852	45.958	0.0	0.0	0.0
18.00000	79.00000	46.00000	-0.76167	45.958	0.0	0.0	0.0
19.00000	79.00000	46.00000	-0.54563	45.958	0.0	0.0	0.0
20.00000	79.00000	46.00000	-0.39199	45.958	0.0	0.0	0.0
21.00000	79.00000	46.00000	-0.27723	45.958	0.0	0.0	0.0
22.00000	79.00000	46.00000	-0.18865	45.958	0.0	0.0	0.0
23.00000	79.00000	46.00000	-0.11887	45.958	0.0	0.0	0.0
24.00000	79.00000	46.00000	-0.063238	45.958	0.0	0.0	0.0
25.00000	79.00000	46.00000	-0.018629	45.958	0.0	0.0	0.0
26.00000	79.00000	46.00000	0.017198	45.958	0.0	0.0	0.0
27.00000	79.00000	46.00000	0.045921	45.958	0.0	0.0	0.0
28.00000	79.00000	46.00000	0.068840	45.958	0.0	0.0	0.0
29.00000	79.00000	46.00000	0.086988	45.958	0.0	0.0	0.0
30.00000	79.00000	46.00000	0.10120	45.958	0.0	0.0	0.0
31.00000	79.00000	46.00000	0.11214	45.958	0.0	0.0	0.0
32.00000	79.00000	46.00000	0.12039	45.958	0.0	0.0	0.0
33.00000	79.00000	46.00000	0.12639	45.958	0.0	0.0	0.0
34.00000	79.00000	46.00000	0.13054	45.958	0.0	0.0	0.0
35.00000	79.00000	46.00000	0.13315	45.958	0.0	0.0	0.0
36.00000	79.00000	46.00000	0.13450	45.958	0.0	0.0	0.0
37.00000	79.00000	46.00000	0.13482	45.958	0.0	0.0	0.0
38.00000	79.00000	46.00000	0.13428	45.958	0.0	0.0	0.0
39.00000	79.00000	46.00000	0.13306	45.958	0.0	0.0	0.0
40.00000	79.00000	46.00000	0.13129	45.958	0.0	0.0	0.0
41.00000	79.00000	46.00000	0.12907	45.958	0.0	0.0	0.0 !
42.00000	79.00000	46.00000	0.12651	45.958	0.0	0.0	0.0 !
43.00000	79.00000	46.00000	0.12369	45.958	0.0	0.0	0.0 !
44.00000	79.00000	46.00000	0.12066	45.958	0.0	0.0	0.0 !
45.00000	79.00000	46.00000	0.11749	45.958	0.0	0.0	0.0 !
46.00000	79.00000	46.00000	0.11423	45.958	0.0	0.0	0.0 !
47.00000	79.00000	46.00000	0.11091	45.958	0.0	0.0	0.0 !
48.00000	79.00000	46.00000	0.10756	45.958	0.0	0.0	0.0 !
49.00000	79.00000	46.00000	0.10421	45.958	0.0	0.0	0.0 !
50.00000	79.00000	46.00000	0.10088	45.958	0.0	0.0	0.0 !
-10.00000	80.00000	46.00000	0.064538	45.958	0.0	0.0	0.0
-9.00000	80.00000	46.00000	0.039726	45.958	0.0	0.0	0.0
-8.00000	80.00000	46.00000	0.0084346	45.958	0.0	0.0	0.0
-7.00000	80.00000	46.00000	-0.030926	45.958	0.0	0.0	0.0
-6.00000	80.00000	46.00000	-0.080459	45.958	0.0	0.0	0.0
-5.00000	80.00000	46.00000	-0.14304	45.958	0.0	0.0	0.0
-4.00000	80.00000	46.00000	-0.22278	45.958	0.0	0.0	0.0
-3.00000	80.00000	46.00000	-0.32587	45.958	0.0	0.0	0.0

-2.00000	80.00000	46.00000	-0.46244	45.958	0.0	0.0	0.0
-1.00000	80.00000	46.00000	-0.65054	45.958	0.0	0.0	0.0
0.00000	80.00000	46.00000	-0.92387	45.958	0.0	0.0	0.0
1.00000	80.00000	46.00000	-1.3417	45.958	0.0	0.0	0.0
2.00000	80.00000	46.00000	-1.9770	45.958	0.0	0.0	0.0
3.00000	80.00000	46.00000	-2.8300	45.958	0.0	0.0	0.0
4.00000	80.00000	46.00000	-3.7308	45.958	0.0	0.0	0.0
5.00000	80.00000	46.00000	-4.4645	45.958	0.0	0.0	0.0
6.00000	80.00000	46.00000	-4.9550	45.958	0.0	0.0	0.0
7.00000	80.00000	46.00000	-5.2353	45.958	0.0	0.0	0.0
8.00000	80.00000	46.00000	-5.3605	45.958	0.0	0.0	0.0
9.00000	80.00000	46.00000	-5.3644	45.958	0.0	0.0	0.0
10.00000	80.00000	46.00000	-5.2502	45.958	0.0	0.0	0.0
11.00000	80.00000	46.00000	-4.9914	45.958	0.0	0.0	0.0
12.00000	80.00000	46.00000	-4.5425	45.958	0.0	0.0	0.0
13.00000	80.00000	46.00000	-3.8661	45.958	0.0	0.0	0.0
14.00000	80.00000	46.00000	-2.9954	45.958	0.0	0.0	0.0
15.00000	80.00000	46.00000	-2.1109	45.958	0.0	0.0	0.0
16.00000	80.00000	46.00000	-1.4205	45.958	0.0	0.0	0.0
17.00000	80.00000	46.00000	-0.96520	45.958	0.0	0.0	0.0
18.00000	80.00000	46.00000	-0.67445	45.958	0.0	0.0	0.0
19.00000	80.00000	46.00000	-0.47973	45.958	0.0	0.0	0.0
20.00000	80.00000	46.00000	-0.34097	45.958	0.0	0.0	0.0
21.00000	80.00000	46.00000	-0.23717	45.958	0.0	0.0	0.0
22.00000	80.00000	46.00000	-0.15701	45.958	0.0	0.0	0.0
23.00000	80.00000	46.00000	-0.093850	45.958	0.0	0.0	0.0
24.00000	80.00000	46.00000	-0.043509	45.958	0.0	0.0	0.0
25.00000	80.00000	46.00000	-0.0031477	45.958	0.0	0.0	0.0
26.00000	80.00000	46.00000	0.029265	45.958	0.0	0.0	0.0
27.00000	80.00000	46.00000	0.055246	45.958	0.0	0.0	0.0
28.00000	80.00000	46.00000	0.075966	45.958	0.0	0.0	0.0
29.00000	80.00000	46.00000	0.092353	45.958	0.0	0.0	0.0
30.00000	80.00000	46.00000	0.10515	45.958	0.0	0.0	0.0
31.00000	80.00000	46.00000	0.11498	45.958	0.0	0.0	0.0
32.00000	80.00000	46.00000	0.12233	45.958	0.0	0.0	0.0
33.00000	80.00000	46.00000	0.12763	45.958	0.0	0.0	0.0
34.00000	80.00000	46.00000	0.13122	45.958	0.0	0.0	0.0
35.00000	80.00000	46.00000	0.13340	45.958	0.0	0.0	0.0
36.00000	80.00000	46.00000	0.13441	45.958	0.0	0.0	0.0
37.00000	80.00000	46.00000	0.13446	45.958	0.0	0.0	0.0
38.00000	80.00000	46.00000	0.13373	45.958	0.0	0.0	0.0
39.00000	80.00000	46.00000	0.13236	45.958	0.0	0.0	0.0
40.00000	80.00000	46.00000	0.13048	45.958	0.0	0.0	0.0
41.00000	80.00000	46.00000	0.12819	45.958	0.0	0.0	0.0 !
42.00000	80.00000	46.00000	0.12558	45.958	0.0	0.0	0.0 !
43.00000	80.00000	46.00000	0.12273	45.958	0.0	0.0	0.0 !
44.00000	80.00000	46.00000	0.11969	45.958	0.0	0.0	0.0 !
45.00000	80.00000	46.00000	0.11653	45.958	0.0	0.0	0.0 !
46.00000	80.00000	46.00000	0.11327	45.958	0.0	0.0	0.0 !
47.00000	80.00000	46.00000	0.10997	45.958	0.0	0.0	0.0 !
48.00000	80.00000	46.00000	0.10664	45.958	0.0	0.0	0.0 !
49.00000	80.00000	46.00000	0.10332	45.958	0.0	0.0	0.0 !
50.00000	80.00000	46.00000	0.10002	45.958	0.0	0.0	0.0 !
-10.00000	81.00000	46.00000	0.071743	45.958	0.0	0.0	0.0



-9.00000	81.00000	46.00000	0.049324	45.958	0.0	0.0	0.0
-8.00000	81.00000	46.00000	0.021098	45.958	0.0	0.0	0.0
-7.00000	81.00000	46.00000	-0.014301	45.958	0.0	0.0	0.0
-6.00000	81.00000	46.00000	-0.058663	45.958	0.0	0.0	0.0
-5.00000	81.00000	46.00000	-0.11439	45.958	0.0	0.0	0.0
-4.00000	81.00000	46.00000	-0.18485	45.958	0.0	0.0	0.0
-3.00000	81.00000	46.00000	-0.27499	45.958	0.0	0.0	0.0
-2.00000	81.00000	46.00000	-0.39266	45.958	0.0	0.0	0.0
-1.00000	81.00000	46.00000	-0.55125	45.958	0.0	0.0	0.0
0.00000	81.00000	46.00000	-0.77482	45.958	0.0	0.0	0.0
1.00000	81.00000	46.00000	-1.1038	45.958	0.0	0.0	0.0
2.00000	81.00000	46.00000	-1.5863	45.958	0.0	0.0	0.0
3.00000	81.00000	46.00000	-2.2233	45.958	0.0	0.0	0.0
4.00000	81.00000	46.00000	-2.9090	45.958	0.0	0.0	0.0
5.00000	81.00000	46.00000	-3.4985	45.958	0.0	0.0	0.0
6.00000	81.00000	46.00000	-3.9160	45.958	0.0	0.0	0.0
7.00000	81.00000	46.00000	-4.1621	45.958	0.0	0.0	0.0
8.00000	81.00000	46.00000	-4.2730	45.958	0.0	0.0	0.0
9.00000	81.00000	46.00000	-4.2767	45.958	0.0	0.0	0.0
10.00000	81.00000	46.00000	-4.1751	45.958	0.0	0.0	0.0
11.00000	81.00000	46.00000	-3.9456	45.958	0.0	0.0	0.0
12.00000	81.00000	46.00000	-3.5598	45.958	0.0	0.0	0.0
13.00000	81.00000	46.00000	-3.0146	45.958	0.0	0.0	0.0
14.00000	81.00000	46.00000	-2.3555	45.958	0.0	0.0	0.0
15.00000	81.00000	46.00000	-1.6998	45.958	0.0	0.0	0.0
16.00000	81.00000	46.00000	-1.1761	45.958	0.0	0.0	0.0
17.00000	81.00000	46.00000	-0.81538	45.958	0.0	0.0	0.0
18.00000	81.00000	46.00000	-0.57505	45.958	0.0	0.0	0.0
19.00000	81.00000	46.00000	-0.40899	45.958	0.0	0.0	0.0
20.00000	81.00000	46.00000	-0.28823	45.958	0.0	0.0	0.0
21.00000	81.00000	46.00000	-0.19677	45.958	0.0	0.0	0.0
22.00000	81.00000	46.00000	-0.12559	45.958	0.0	0.0	0.0
23.00000	81.00000	46.00000	-0.069264	45.958	0.0	0.0	0.0
24.00000	81.00000	46.00000	-0.024243	45.958	0.0	0.0	0.0
25.00000	81.00000	46.00000	0.011912	45.958	0.0	0.0	0.0
26.00000	81.00000	46.00000	0.040973	45.958	0.0	0.0	0.0
27.00000	81.00000	46.00000	0.064273	45.958	0.0	0.0	0.0
28.00000	81.00000	46.00000	0.082845	45.958	0.0	0.0	0.0
29.00000	81.00000	46.00000	0.097510	45.958	0.0	0.0	0.0
30.00000	81.00000	46.00000	0.10893	45.958	0.0	0.0	0.0
31.00000	81.00000	46.00000	0.11766	45.958	0.0	0.0	0.0
32.00000	81.00000	46.00000	0.12413	45.958	0.0	0.0	0.0
33.00000	81.00000	46.00000	0.12873	45.958	0.0	0.0	0.0
34.00000	81.00000	46.00000	0.13177	45.958	0.0	0.0	0.0
35.00000	81.00000	46.00000	0.13352	45.958	0.0	0.0	0.0
36.00000	81.00000	46.00000	0.13420	45.958	0.0	0.0	0.0
37.00000	81.00000	46.00000	0.13400	45.958	0.0	0.0	0.0
38.00000	81.00000	46.00000	0.13307	45.958	0.0	0.0	0.0
39.00000	81.00000	46.00000	0.13156	45.958	0.0	0.0	0.0
40.00000	81.00000	46.00000	0.12957	45.958	0.0	0.0	0.0
41.00000	81.00000	46.00000	0.12721	45.958	0.0	0.0	0.0 !
42.00000	81.00000	46.00000	0.12456	45.958	0.0	0.0	0.0 !
43.00000	81.00000	46.00000	0.12168	45.958	0.0	0.0	0.0 !
44.00000	81.00000	46.00000	0.11864	45.958	0.0	0.0	0.0 !

45.00000	81.00000	46.00000	0.11548	45.958	0.0	0.0	0.0	!
46.00000	81.00000	46.00000	0.11224	45.958	0.0	0.0	0.0	!
47.00000	81.00000	46.00000	0.10895	45.958	0.0	0.0	0.0	!
48.00000	81.00000	46.00000	0.10565	45.958	0.0	0.0	0.0	!
49.00000	81.00000	46.00000	0.10236	45.958	0.0	0.0	0.0	!
50.00000	81.00000	46.00000	0.099098	45.958	0.0	0.0	0.0	!
-10.00000	82.00000	46.00000	0.078913	45.958	0.0	0.0	0.0	
-9.00000	82.00000	46.00000	0.058905	45.958	0.0	0.0	0.0	
-8.00000	82.00000	46.00000	0.033770	45.958	0.0	0.0	0.0	
-7.00000	82.00000	46.00000	0.0023614	45.958	0.0	0.0	0.0	
-6.00000	82.00000	46.00000	-0.036792	45.958	0.0	0.0	0.0	
-5.00000	82.00000	46.00000	-0.085623	45.958	0.0	0.0	0.0	
-4.00000	82.00000	46.00000	-0.14675	45.958	0.0	0.0	0.0	
-3.00000	82.00000	46.00000	-0.22387	45.958	0.0	0.0	0.0	
-2.00000	82.00000	46.00000	-0.32253	45.958	0.0	0.0	0.0	
-1.00000	82.00000	46.00000	-0.45158	45.958	0.0	0.0	0.0	
0.00000	82.00000	46.00000	-0.62549	45.958	0.0	0.0	0.0	
1.00000	82.00000	46.00000	-0.86626	45.958	0.0	0.0	0.0	
2.00000	82.00000	46.00000	-1.1969	45.958	0.0	0.0	0.0	
3.00000	82.00000	46.00000	-1.6151	45.958	0.0	0.0	0.0	
4.00000	82.00000	46.00000	-2.0683	45.958	0.0	0.0	0.0	
5.00000	82.00000	46.00000	-2.4782	45.958	0.0	0.0	0.0	
6.00000	82.00000	46.00000	-2.7865	45.958	0.0	0.0	0.0	
7.00000	82.00000	46.00000	-2.9768	45.958	0.0	0.0	0.0	
8.00000	82.00000	46.00000	-3.0650	45.958	0.0	0.0	0.0	
9.00000	82.00000	46.00000	-3.0680	45.958	0.0	0.0	0.0	
10.00000	82.00000	46.00000	-2.9867	45.958	0.0	0.0	0.0	
11.00000	82.00000	46.00000	-2.8074	45.958	0.0	0.0	0.0	
12.00000	82.00000	46.00000	-2.5180	45.958	0.0	0.0	0.0	
13.00000	82.00000	46.00000	-2.1331	45.958	0.0	0.0	0.0	
14.00000	82.00000	46.00000	-1.6953	45.958	0.0	0.0	0.0	
15.00000	82.00000	46.00000	-1.2691	45.958	0.0	0.0	0.0	
16.00000	82.00000	46.00000	-0.91690	45.958	0.0	0.0	0.0	
17.00000	82.00000	46.00000	-0.65714	45.958	0.0	0.0	0.0	
18.00000	82.00000	46.00000	-0.47172	45.958	0.0	0.0	0.0	
19.00000	82.00000	46.00000	-0.33676	45.958	0.0	0.0	0.0	
20.00000	82.00000	46.00000	-0.23522	45.958	0.0	0.0	0.0	
21.00000	82.00000	46.00000	-0.15667	45.958	0.0	0.0	0.0	
22.00000	82.00000	46.00000	-0.094725	45.958	0.0	0.0	0.0	
23.00000	82.00000	46.00000	-0.045288	45.958	0.0	0.0	0.0	
24.00000	82.00000	46.00000	-0.0055604	45.958	0.0	0.0	0.0	
25.00000	82.00000	46.00000	0.026454	45.958	0.0	0.0	0.0	
26.00000	82.00000	46.00000	0.052237	45.958	0.0	0.0	0.0	
27.00000	82.00000	46.00000	0.072925	45.958	0.0	0.0	0.0	
28.00000	82.00000	46.00000	0.089409	45.958	0.0	0.0	0.0	
29.00000	82.00000	46.00000	0.10240	45.958	0.0	0.0	0.0	
30.00000	82.00000	46.00000	0.11248	45.958	0.0	0.0	0.0	
31.00000	82.00000	46.00000	0.12014	45.958	0.0	0.0	0.0	
32.00000	82.00000	46.00000	0.12576	45.958	0.0	0.0	0.0	
33.00000	82.00000	46.00000	0.12968	45.958	0.0	0.0	0.0	
34.00000	82.00000	46.00000	0.13219	45.958	0.0	0.0	0.0	
35.00000	82.00000	46.00000	0.13352	45.958	0.0	0.0	0.0	
36.00000	82.00000	46.00000	0.13387	45.958	0.0	0.0	0.0	
37.00000	82.00000	46.00000	0.13341	45.958	0.0	0.0	0.0	

38.00000	82.00000	46.00000	0.13230	45.958	0.0	0.0	0.0
39.00000	82.00000	46.00000	0.13065	45.958	0.0	0.0	0.0
40.00000	82.00000	46.00000	0.12857	45.958	0.0	0.0	0.0
41.00000	82.00000	46.00000	0.12614	45.958	0.0	0.0	0.0 !
42.00000	82.00000	46.00000	0.12345	45.958	0.0	0.0	0.0 !
43.00000	82.00000	46.00000	0.12055	45.958	0.0	0.0	0.0 !
44.00000	82.00000	46.00000	0.11750	45.958	0.0	0.0	0.0 !
45.00000	82.00000	46.00000	0.11435	45.958	0.0	0.0	0.0 !
46.00000	82.00000	46.00000	0.11112	45.958	0.0	0.0	0.0 !
47.00000	82.00000	46.00000	0.10786	45.958	0.0	0.0	0.0 !
48.00000	82.00000	46.00000	0.10460	45.958	0.0	0.0	0.0 !
49.00000	82.00000	46.00000	0.10134	45.958	0.0	0.0	0.0 !
50.00000	82.00000	46.00000	0.098112	45.958	0.0	0.0	0.0 !
-10.00000	83.00000	46.00000	0.085904	45.958	0.0	0.0	0.0
-9.00000	83.00000	46.00000	0.068275	45.958	0.0	0.0	0.0
-8.00000	83.00000	46.00000	0.046183	45.958	0.0	0.0	0.0
-7.00000	83.00000	46.00000	0.018690	45.958	0.0	0.0	0.0
-6.00000	83.00000	46.00000	-0.015372	45.958	0.0	0.0	0.0
-5.00000	83.00000	46.00000	-0.057495	45.958	0.0	0.0	0.0
-4.00000	83.00000	46.00000	-0.10962	45.958	0.0	0.0	0.0
-3.00000	83.00000	46.00000	-0.17433	45.958	0.0	0.0	0.0
-2.00000	83.00000	46.00000	-0.25523	45.958	0.0	0.0	0.0
-1.00000	83.00000	46.00000	-0.35748	45.958	0.0	0.0	0.0
0.00000	83.00000	46.00000	-0.48849	45.958	0.0	0.0	0.0
1.00000	83.00000	46.00000	-0.65770	45.958	0.0	0.0	0.0
2.00000	83.00000	46.00000	-0.87265	45.958	0.0	0.0	0.0
3.00000	83.00000	46.00000	-1.1289	45.958	0.0	0.0	0.0
4.00000	83.00000	46.00000	-1.4022	45.958	0.0	0.0	0.0
5.00000	83.00000	46.00000	-1.6550	45.958	0.0	0.0	0.0
6.00000	83.00000	46.00000	-1.8541	45.958	0.0	0.0	0.0
7.00000	83.00000	46.00000	-1.9837	45.958	0.0	0.0	0.0
8.00000	83.00000	46.00000	-2.0465	45.958	0.0	0.0	0.0
9.00000	83.00000	46.00000	-2.0487	45.958	0.0	0.0	0.0
10.00000	83.00000	46.00000	-1.9910	45.958	0.0	0.0	0.0
11.00000	83.00000	46.00000	-1.8681	45.958	0.0	0.0	0.0
12.00000	83.00000	46.00000	-1.6791	45.958	0.0	0.0	0.0
13.00000	83.00000	46.00000	-1.4378	45.958	0.0	0.0	0.0
14.00000	83.00000	46.00000	-1.1717	45.958	0.0	0.0	0.0
15.00000	83.00000	46.00000	-0.91292	45.958	0.0	0.0	0.0
16.00000	83.00000	46.00000	-0.68899	45.958	0.0	0.0	0.0
17.00000	83.00000	46.00000	-0.51057	45.958	0.0	0.0	0.0
18.00000	83.00000	46.00000	-0.37304	45.958	0.0	0.0	0.0
19.00000	83.00000	46.00000	-0.26688	45.958	0.0	0.0	0.0
20.00000	83.00000	46.00000	-0.18378	45.958	0.0	0.0	0.0
21.00000	83.00000	46.00000	-0.11782	45.958	0.0	0.0	0.0
22.00000	83.00000	46.00000	-0.064918	45.958	0.0	0.0	0.0
23.00000	83.00000	46.00000	-0.022221	45.958	0.0	0.0	0.0
24.00000	83.00000	46.00000	0.012348	45.958	0.0	0.0	0.0
25.00000	83.00000	46.00000	0.040343	45.958	0.0	0.0	0.0
26.00000	83.00000	46.00000	0.062956	45.958	0.0	0.0	0.0
27.00000	83.00000	46.00000	0.081123	45.958	0.0	0.0	0.0
28.00000	83.00000	46.00000	0.095593	45.958	0.0	0.0	0.0
29.00000	83.00000	46.00000	0.10697	45.958	0.0	0.0	0.0
30.00000	83.00000	46.00000	0.11577	45.958	0.0	0.0	0.0

31.00000	83.00000	46.00000	0.12239	45.958	0.0	0.0	0.0
32.00000	83.00000	46.00000	0.12718	45.958	0.0	0.0	0.0
33.00000	83.00000	46.00000	0.13045	45.958	0.0	0.0	0.0
34.00000	83.00000	46.00000	0.13244	45.958	0.0	0.0	0.0
35.00000	83.00000	46.00000	0.13337	45.958	0.0	0.0	0.0
36.00000	83.00000	46.00000	0.13340	45.958	0.0	0.0	0.0
37.00000	83.00000	46.00000	0.13271	45.958	0.0	0.0	0.0
38.00000	83.00000	46.00000	0.13142	45.958	0.0	0.0	0.0
39.00000	83.00000	46.00000	0.12963	45.958	0.0	0.0	0.0
40.00000	83.00000	46.00000	0.12746	45.958	0.0	0.0	0.0
41.00000	83.00000	46.00000	0.12497	45.958	0.0	0.0	0.0 !
42.00000	83.00000	46.00000	0.12224	45.958	0.0	0.0	0.0 !
43.00000	83.00000	46.00000	0.11933	45.958	0.0	0.0	0.0 !
44.00000	83.00000	46.00000	0.11628	45.958	0.0	0.0	0.0 !
45.00000	83.00000	46.00000	0.11314	45.958	0.0	0.0	0.0 !
46.00000	83.00000	46.00000	0.10994	45.958	0.0	0.0	0.0 !
47.00000	83.00000	46.00000	0.10671	45.958	0.0	0.0	0.0 !
48.00000	83.00000	46.00000	0.10347	45.958	0.0	0.0	0.0 !
49.00000	83.00000	46.00000	0.10025	45.958	0.0	0.0	0.0 !
50.00000	83.00000	46.00000	0.097064	45.958	0.0	0.0	0.0 !
-10.00000	84.00000	46.00000	0.092580	45.958	0.0	0.0	0.0
-9.00000	84.00000	46.00000	0.077252	45.958	0.0	0.0	0.0
-8.00000	84.00000	46.00000	0.058087	45.958	0.0	0.0	0.0
-7.00000	84.00000	46.00000	0.034344	45.958	0.0	0.0	0.0
-6.00000	84.00000	46.00000	0.0051189	45.958	0.0	0.0	0.0
-5.00000	84.00000	46.00000	-0.030693	45.958	0.0	0.0	0.0
-4.00000	84.00000	46.00000	-0.074458	45.958	0.0	0.0	0.0
-3.00000	84.00000	46.00000	-0.12788	45.958	0.0	0.0	0.0
-2.00000	84.00000	46.00000	-0.19313	45.958	0.0	0.0	0.0
-1.00000	84.00000	46.00000	-0.27288	45.958	0.0	0.0	0.0
0.00000	84.00000	46.00000	-0.37038	45.958	0.0	0.0	0.0
1.00000	84.00000	46.00000	-0.48873	45.958	0.0	0.0	0.0
2.00000	84.00000	46.00000	-0.62895	45.958	0.0	0.0	0.0
3.00000	84.00000	46.00000	-0.78655	45.958	0.0	0.0	0.0
4.00000	84.00000	46.00000	-0.94942	45.958	0.0	0.0	0.0
5.00000	84.00000	46.00000	-1.1001	45.958	0.0	0.0	0.0
6.00000	84.00000	46.00000	-1.2219	45.958	0.0	0.0	0.0
7.00000	84.00000	46.00000	-1.3048	45.958	0.0	0.0	0.0
8.00000	84.00000	46.00000	-1.3466	45.958	0.0	0.0	0.0
9.00000	84.00000	46.00000	-1.3483	45.958	0.0	0.0	0.0
10.00000	84.00000	46.00000	-1.3100	45.958	0.0	0.0	0.0
11.00000	84.00000	46.00000	-1.2313	45.958	0.0	0.0	0.0
12.00000	84.00000	46.00000	-1.1146	45.958	0.0	0.0	0.0
13.00000	84.00000	46.00000	-0.96914	45.958	0.0	0.0	0.0
14.00000	84.00000	46.00000	-0.80939	45.958	0.0	0.0	0.0
15.00000	84.00000	46.00000	-0.65124	45.958	0.0	0.0	0.0
16.00000	84.00000	46.00000	-0.50768	45.958	0.0	0.0	0.0
17.00000	84.00000	46.00000	-0.38529	45.958	0.0	0.0	0.0
18.00000	84.00000	46.00000	-0.28443	45.958	0.0	0.0	0.0
19.00000	84.00000	46.00000	-0.20233	45.958	0.0	0.0	0.0
20.00000	84.00000	46.00000	-0.13557	45.958	0.0	0.0	0.0
21.00000	84.00000	46.00000	-0.081160	45.958	0.0	0.0	0.0
22.00000	84.00000	46.00000	-0.036725	45.958	0.0	0.0	0.0
23.00000	84.00000	46.00000	-403.62E-6	45.958	0.0	0.0	0.0

24.00000	84.00000	46.00000	0.029264	45.958	0.0	0.0	0.0
25.00000	84.00000	46.00000	0.053431	45.958	0.0	0.0	0.0
26.00000	84.00000	46.00000	0.073022	45.958	0.0	0.0	0.0
27.00000	84.00000	46.00000	0.088785	45.958	0.0	0.0	0.0
28.00000	84.00000	46.00000	0.10133	45.958	0.0	0.0	0.0
29.00000	84.00000	46.00000	0.11118	45.958	0.0	0.0	0.0
30.00000	84.00000	46.00000	0.11874	45.958	0.0	0.0	0.0
31.00000	84.00000	46.00000	0.12437	45.958	0.0	0.0	0.0
32.00000	84.00000	46.00000	0.12838	45.958	0.0	0.0	0.0
33.00000	84.00000	46.00000	0.13102	45.958	0.0	0.0	0.0
34.00000	84.00000	46.00000	0.13252	45.958	0.0	0.0	0.0
35.00000	84.00000	46.00000	0.13306	45.958	0.0	0.0	0.0
36.00000	84.00000	46.00000	0.13280	45.958	0.0	0.0	0.0
37.00000	84.00000	46.00000	0.13188	45.958	0.0	0.0	0.0
38.00000	84.00000	46.00000	0.13041	45.958	0.0	0.0	0.0
39.00000	84.00000	46.00000	0.12851	45.958	0.0	0.0	0.0
40.00000	84.00000	46.00000	0.12625	45.958	0.0	0.0	0.0
41.00000	84.00000	46.00000	0.12371	45.958	0.0	0.0	0.0 !
42.00000	84.00000	46.00000	0.12095	45.958	0.0	0.0	0.0 !
43.00000	84.00000	46.00000	0.11802	45.958	0.0	0.0	0.0 !
44.00000	84.00000	46.00000	0.11498	45.958	0.0	0.0	0.0 !
45.00000	84.00000	46.00000	0.11185	45.958	0.0	0.0	0.0 !
46.00000	84.00000	46.00000	0.10868	45.958	0.0	0.0	0.0 !
47.00000	84.00000	46.00000	0.10548	45.958	0.0	0.0	0.0 !
48.00000	84.00000	46.00000	0.10228	45.958	0.0	0.0	0.0 !
49.00000	84.00000	46.00000	0.099101	45.958	0.0	0.0	0.0 !
50.00000	84.00000	46.00000	0.095957	45.958	0.0	0.0	0.0 !
-10.00000	85.00000	46.00000	0.098822	45.958	0.0	0.0	0.0
-9.00000	85.00000	46.00000	0.085674	45.958	0.0	0.0	0.0
-8.00000	85.00000	46.00000	0.069270	45.958	0.0	0.0	0.0
-7.00000	85.00000	46.00000	0.049032	45.958	0.0	0.0	0.0
-6.00000	85.00000	46.00000	0.024287	45.958	0.0	0.0	0.0
-5.00000	85.00000	46.00000	-0.0057560	45.958	0.0	0.0	0.0
-4.00000	85.00000	46.00000	-0.042019	45.958	0.0	0.0	0.0
-3.00000	85.00000	46.00000	-0.085564	45.958	0.0	0.0	0.0
-2.00000	85.00000	46.00000	-0.13758	45.958	0.0	0.0	0.0
-1.00000	85.00000	46.00000	-0.19933	45.958	0.0	0.0	0.0
0.00000	85.00000	46.00000	-0.27193	45.958	0.0	0.0	0.0
1.00000	85.00000	46.00000	-0.35591	45.958	0.0	0.0	0.0
2.00000	85.00000	46.00000	-0.45026	45.958	0.0	0.0	0.0
3.00000	85.00000	46.00000	-0.55139	45.958	0.0	0.0	0.0
4.00000	85.00000	46.00000	-0.65266	45.958	0.0	0.0	0.0
5.00000	85.00000	46.00000	-0.74540	45.958	0.0	0.0	0.0
6.00000	85.00000	46.00000	-0.82120	45.958	0.0	0.0	0.0
7.00000	85.00000	46.00000	-0.87419	45.958	0.0	0.0	0.0
8.00000	85.00000	46.00000	-0.90163	45.958	0.0	0.0	0.0
9.00000	85.00000	46.00000	-0.90282	45.958	0.0	0.0	0.0
10.00000	85.00000	46.00000	-0.87783	45.958	0.0	0.0	0.0
11.00000	85.00000	46.00000	-0.82748	45.958	0.0	0.0	0.0
12.00000	85.00000	46.00000	-0.75446	45.958	0.0	0.0	0.0
13.00000	85.00000	46.00000	-0.66423	45.958	0.0	0.0	0.0
14.00000	85.00000	46.00000	-0.56447	45.958	0.0	0.0	0.0
15.00000	85.00000	46.00000	-0.46337	45.958	0.0	0.0	0.0
16.00000	85.00000	46.00000	-0.36781	45.958	0.0	0.0	0.0

17.00000	85.00000	46.00000	-0.28209	45.958	0.0	0.0	0.0
18.00000	85.00000	46.00000	-0.20781	45.958	0.0	0.0	0.0
19.00000	85.00000	46.00000	-0.14471	45.958	0.0	0.0	0.0
20.00000	85.00000	46.00000	-0.091692	45.958	0.0	0.0	0.0
21.00000	85.00000	46.00000	-0.047424	45.958	0.0	0.0	0.0
22.00000	85.00000	46.00000	-0.010622	45.958	0.0	0.0	0.0
23.00000	85.00000	46.00000	0.019853	45.958	0.0	0.0	0.0
24.00000	85.00000	46.00000	0.044977	45.958	0.0	0.0	0.0
25.00000	85.00000	46.00000	0.065571	45.958	0.0	0.0	0.0
26.00000	85.00000	46.00000	0.082330	45.958	0.0	0.0	0.0
27.00000	85.00000	46.00000	0.095834	45.958	0.0	0.0	0.0
28.00000	85.00000	46.00000	0.10657	45.958	0.0	0.0	0.0
29.00000	85.00000	46.00000	0.11497	45.958	0.0	0.0	0.0
30.00000	85.00000	46.00000	0.12136	45.958	0.0	0.0	0.0
31.00000	85.00000	46.00000	0.12606	45.958	0.0	0.0	0.0
32.00000	85.00000	46.00000	0.12933	45.958	0.0	0.0	0.0
33.00000	85.00000	46.00000	0.13138	45.958	0.0	0.0	0.0
34.00000	85.00000	46.00000	0.13242	45.958	0.0	0.0	0.0
35.00000	85.00000	46.00000	0.13259	45.958	0.0	0.0	0.0
36.00000	85.00000	46.00000	0.13205	45.958	0.0	0.0	0.0
37.00000	85.00000	46.00000	0.13092	45.958	0.0	0.0	0.0
38.00000	85.00000	46.00000	0.12929	45.958	0.0	0.0	0.0
39.00000	85.00000	46.00000	0.12728	45.958	0.0	0.0	0.0
40.00000	85.00000	46.00000	0.12494	45.958	0.0	0.0	0.0
41.00000	85.00000	46.00000	0.12235	45.958	0.0	0.0	0.0 !
42.00000	85.00000	46.00000	0.11957	45.958	0.0	0.0	0.0 !
43.00000	85.00000	46.00000	0.11663	45.958	0.0	0.0	0.0 !
44.00000	85.00000	46.00000	0.11360	45.958	0.0	0.0	0.0 !
45.00000	85.00000	46.00000	0.11049	45.958	0.0	0.0	0.0 !
46.00000	85.00000	46.00000	0.10735	45.958	0.0	0.0	0.0 !
47.00000	85.00000	46.00000	0.10418	45.958	0.0	0.0	0.0 !
48.00000	85.00000	46.00000	0.10103	45.958	0.0	0.0	0.0 !
49.00000	85.00000	46.00000	0.097893	45.958	0.0	0.0	0.0 !
50.00000	85.00000	46.00000	0.094794	45.958	0.0	0.0	0.0 !
-10.00000	86.00000	46.00000	0.10453	45.958	0.0	0.0	0.0
-9.00000	86.00000	46.00000	0.093412	45.958	0.0	0.0	0.0
-8.00000	86.00000	46.00000	0.079559	45.958	0.0	0.0	0.0
-7.00000	86.00000	46.00000	0.062533	45.958	0.0	0.0	0.0
-6.00000	86.00000	46.00000	0.041843	45.958	0.0	0.0	0.0
-5.00000	86.00000	46.00000	0.016944	45.958	0.0	0.0	0.0
-4.00000	86.00000	46.00000	-0.012760	45.958	0.0	0.0	0.0
-3.00000	86.00000	46.00000	-0.047889	45.958	0.0	0.0	0.0
-2.00000	86.00000	46.00000	-0.089043	45.958	0.0	0.0	0.0
-1.00000	86.00000	46.00000	-0.13671	45.958	0.0	0.0	0.0
0.00000	86.00000	46.00000	-0.19107	45.958	0.0	0.0	0.0
1.00000	86.00000	46.00000	-0.25175	45.958	0.0	0.0	0.0
2.00000	86.00000	46.00000	-0.31742	45.958	0.0	0.0	0.0
3.00000	86.00000	46.00000	-0.38543	45.958	0.0	0.0	0.0
4.00000	86.00000	46.00000	-0.45185	45.958	0.0	0.0	0.0
5.00000	86.00000	46.00000	-0.51196	45.958	0.0	0.0	0.0
6.00000	86.00000	46.00000	-0.56119	45.958	0.0	0.0	0.0
7.00000	86.00000	46.00000	-0.59599	45.958	0.0	0.0	0.0
8.00000	86.00000	46.00000	-0.61426	45.958	0.0	0.0	0.0
9.00000	86.00000	46.00000	-0.61510	45.958	0.0	0.0	0.0

10.00000	86.00000	46.00000	-0.59852	45.958	0.0	0.0	0.0
11.00000	86.00000	46.00000	-0.56542	45.958	0.0	0.0	0.0
12.00000	86.00000	46.00000	-0.51783	45.958	0.0	0.0	0.0
13.00000	86.00000	46.00000	-0.45910	45.958	0.0	0.0	0.0
14.00000	86.00000	46.00000	-0.39352	45.958	0.0	0.0	0.0
15.00000	86.00000	46.00000	-0.32569	45.958	0.0	0.0	0.0
16.00000	86.00000	46.00000	-0.25961	45.958	0.0	0.0	0.0
17.00000	86.00000	46.00000	-0.19817	45.958	0.0	0.0	0.0
18.00000	86.00000	46.00000	-0.14295	45.958	0.0	0.0	0.0
19.00000	86.00000	46.00000	-0.094511	45.958	0.0	0.0	0.0
20.00000	86.00000	46.00000	-0.052711	45.958	0.0	0.0	0.0
21.00000	86.00000	46.00000	-0.017064	45.958	0.0	0.0	0.0
22.00000	86.00000	46.00000	0.013058	45.958	0.0	0.0	0.0
23.00000	86.00000	46.00000	0.038311	45.958	0.0	0.0	0.0
24.00000	86.00000	46.00000	0.059318	45.958	0.0	0.0	0.0
25.00000	86.00000	46.00000	0.076644	45.958	0.0	0.0	0.0
26.00000	86.00000	46.00000	0.090794	45.958	0.0	0.0	0.0
27.00000	86.00000	46.00000	0.10221	45.958	0.0	0.0	0.0
28.00000	86.00000	46.00000	0.11126	45.958	0.0	0.0	0.0
29.00000	86.00000	46.00000	0.11830	45.958	0.0	0.0	0.0
30.00000	86.00000	46.00000	0.12361	45.958	0.0	0.0	0.0
31.00000	86.00000	46.00000	0.12745	45.958	0.0	0.0	0.0
32.00000	86.00000	46.00000	0.13002	45.958	0.0	0.0	0.0
33.00000	86.00000	46.00000	0.13152	45.958	0.0	0.0	0.0
34.00000	86.00000	46.00000	0.13211	45.958	0.0	0.0	0.0
35.00000	86.00000	46.00000	0.13195	45.958	0.0	0.0	0.0
36.00000	86.00000	46.00000	0.13115	45.958	0.0	0.0	0.0
37.00000	86.00000	46.00000	0.12982	45.958	0.0	0.0	0.0
38.00000	86.00000	46.00000	0.12805	45.958	0.0	0.0	0.0
39.00000	86.00000	46.00000	0.12593	45.958	0.0	0.0	0.0
40.00000	86.00000	46.00000	0.12353	45.958	0.0	0.0	0.0
41.00000	86.00000	46.00000	0.12090	45.958	0.0	0.0	0.0 !
42.00000	86.00000	46.00000	0.11810	45.958	0.0	0.0	0.0 !
43.00000	86.00000	46.00000	0.11517	45.958	0.0	0.0	0.0 !
44.00000	86.00000	46.00000	0.11215	45.958	0.0	0.0	0.0 !
45.00000	86.00000	46.00000	0.10907	45.958	0.0	0.0	0.0 !
46.00000	86.00000	46.00000	0.10595	45.958	0.0	0.0	0.0 !
47.00000	86.00000	46.00000	0.10283	45.958	0.0	0.0	0.0 !
48.00000	86.00000	46.00000	0.099717	45.958	0.0	0.0	0.0 !
49.00000	86.00000	46.00000	0.096629	45.958	0.0	0.0	0.0 !
50.00000	86.00000	46.00000	0.093579	45.958	0.0	0.0	0.0 !
-10.00000	87.00000	46.00000	0.10963	45.958	0.0	0.0	0.0
-9.00000	87.00000	46.00000	0.10037	45.958	0.0	0.0	0.0
-8.00000	87.00000	46.00000	0.088832	45.958	0.0	0.0	0.0
-7.00000	87.00000	46.00000	0.074693	45.958	0.0	0.0	0.0
-6.00000	87.00000	46.00000	0.057604	45.958	0.0	0.0	0.0
-5.00000	87.00000	46.00000	0.037200	45.958	0.0	0.0	0.0
-4.00000	87.00000	46.00000	0.013114	45.958	0.0	0.0	0.0
-3.00000	87.00000	46.00000	-0.014990	45.958	0.0	0.0	0.0
-2.00000	87.00000	46.00000	-0.047369	45.958	0.0	0.0	0.0
-1.00000	87.00000	46.00000	-0.084121	45.958	0.0	0.0	0.0
0.00000	87.00000	46.00000	-0.12507	45.958	0.0	0.0	0.0
1.00000	87.00000	46.00000	-0.16960	45.958	0.0	0.0	0.0
2.00000	87.00000	46.00000	-0.21651	45.958	0.0	0.0	0.0

3.00000	87.00000	46.00000	-0.26395	45.958	0.0	0.0	0.0
4.00000	87.00000	46.00000	-0.30943	45.958	0.0	0.0	0.0
5.00000	87.00000	46.00000	-0.35015	45.958	0.0	0.0	0.0
6.00000	87.00000	46.00000	-0.38341	45.958	0.0	0.0	0.0
7.00000	87.00000	46.00000	-0.40699	45.958	0.0	0.0	0.0
8.00000	87.00000	46.00000	-0.41943	45.958	0.0	0.0	0.0
9.00000	87.00000	46.00000	-0.42003	45.958	0.0	0.0	0.0
10.00000	87.00000	46.00000	-0.40875	45.958	0.0	0.0	0.0
11.00000	87.00000	46.00000	-0.38631	45.958	0.0	0.0	0.0
12.00000	87.00000	46.00000	-0.35409	45.958	0.0	0.0	0.0
13.00000	87.00000	46.00000	-0.31421	45.958	0.0	0.0	0.0
14.00000	87.00000	46.00000	-0.26928	45.958	0.0	0.0	0.0
15.00000	87.00000	46.00000	-0.22204	45.958	0.0	0.0	0.0
16.00000	87.00000	46.00000	-0.17500	45.958	0.0	0.0	0.0
17.00000	87.00000	46.00000	-0.13013	45.958	0.0	0.0	0.0
18.00000	87.00000	46.00000	-0.088745	45.958	0.0	0.0	0.0
19.00000	87.00000	46.00000	-0.051540	45.958	0.0	0.0	0.0
20.00000	87.00000	46.00000	-0.018743	45.958	0.0	0.0	0.0
21.00000	87.00000	46.00000	0.0097272	45.958	0.0	0.0	0.0
22.00000	87.00000	46.00000	0.034132	45.958	0.0	0.0	0.0
23.00000	87.00000	46.00000	0.054821	45.958	0.0	0.0	0.0
24.00000	87.00000	46.00000	0.072172	45.958	0.0	0.0	0.0
25.00000	87.00000	46.00000	0.086563	45.958	0.0	0.0	0.0
26.00000	87.00000	46.00000	0.098347	45.958	0.0	0.0	0.0
27.00000	87.00000	46.00000	0.10785	45.958	0.0	0.0	0.0
28.00000	87.00000	46.00000	0.11537	45.958	0.0	0.0	0.0
29.00000	87.00000	46.00000	0.12116	45.958	0.0	0.0	0.0
30.00000	87.00000	46.00000	0.12547	45.958	0.0	0.0	0.0
31.00000	87.00000	46.00000	0.12850	45.958	0.0	0.0	0.0
32.00000	87.00000	46.00000	0.13043	45.958	0.0	0.0	0.0
33.00000	87.00000	46.00000	0.13142	45.958	0.0	0.0	0.0
34.00000	87.00000	46.00000	0.13161	45.958	0.0	0.0	0.0
35.00000	87.00000	46.00000	0.13114	45.958	0.0	0.0	0.0
36.00000	87.00000	46.00000	0.13010	45.958	0.0	0.0	0.0
37.00000	87.00000	46.00000	0.12859	45.958	0.0	0.0	0.0
38.00000	87.00000	46.00000	0.12669	45.958	0.0	0.0	0.0
39.00000	87.00000	46.00000	0.12448	45.958	0.0	0.0	0.0
40.00000	87.00000	46.00000	0.12202	45.958	0.0	0.0	0.0
41.00000	87.00000	46.00000	0.11936	45.958	0.0	0.0	0.0 !
42.00000	87.00000	46.00000	0.11655	45.958	0.0	0.0	0.0 !
43.00000	87.00000	46.00000	0.11363	45.958	0.0	0.0	0.0 !
44.00000	87.00000	46.00000	0.11062	45.958	0.0	0.0	0.0 !
45.00000	87.00000	46.00000	0.10757	45.958	0.0	0.0	0.0 !
46.00000	87.00000	46.00000	0.10450	45.958	0.0	0.0	0.0 !
47.00000	87.00000	46.00000	0.10142	45.958	0.0	0.0	0.0 !
48.00000	87.00000	46.00000	0.098352	45.958	0.0	0.0	0.0 !
49.00000	87.00000	46.00000	0.095314	45.958	0.0	0.0	0.0 !
50.00000	87.00000	46.00000	0.092315	45.958	0.0	0.0	0.0 !
-10.00000	88.00000	46.00000	0.11406	45.958	0.0	0.0	0.0
-9.00000	88.00000	46.00000	0.10648	45.958	0.0	0.0	0.0
-8.00000	88.00000	46.00000	0.097014	45.958	0.0	0.0	0.0
-7.00000	88.00000	46.00000	0.085429	45.958	0.0	0.0	0.0
-6.00000	88.00000	46.00000	0.071485	45.958	0.0	0.0	0.0
-5.00000	88.00000	46.00000	0.054944	45.958	0.0	0.0	0.0



-4.00000	88.00000	46.00000	0.035595	45.958	0.0	0.0	0.0
-3.00000	88.00000	46.00000	0.013276	45.958	0.0	0.0	0.0
-2.00000	88.00000	46.00000	-0.012082	45.958	0.0	0.0	0.0
-1.00000	88.00000	46.00000	-0.040400	45.958	0.0	0.0	0.0
0.00000	88.00000	46.00000	-0.071378	45.958	0.0	0.0	0.0
1.00000	88.00000	46.00000	-0.10442	45.958	0.0	0.0	0.0
2.00000	88.00000	46.00000	-0.13857	45.958	0.0	0.0	0.0
3.00000	88.00000	46.00000	-0.17250	45.958	0.0	0.0	0.0
4.00000	88.00000	46.00000	-0.20458	45.958	0.0	0.0	0.0
5.00000	88.00000	46.00000	-0.23303	45.958	0.0	0.0	0.0
6.00000	88.00000	46.00000	-0.25617	45.958	0.0	0.0	0.0
7.00000	88.00000	46.00000	-0.27257	45.958	0.0	0.0	0.0
8.00000	88.00000	46.00000	-0.28123	45.958	0.0	0.0	0.0
9.00000	88.00000	46.00000	-0.28164	45.958	0.0	0.0	0.0
10.00000	88.00000	46.00000	-0.27380	45.958	0.0	0.0	0.0
11.00000	88.00000	46.00000	-0.25818	45.958	0.0	0.0	0.0
12.00000	88.00000	46.00000	-0.23574	45.958	0.0	0.0	0.0
13.00000	88.00000	46.00000	-0.20784	45.958	0.0	0.0	0.0
14.00000	88.00000	46.00000	-0.17614	45.958	0.0	0.0	0.0
15.00000	88.00000	46.00000	-0.14239	45.958	0.0	0.0	0.0
16.00000	88.00000	46.00000	-0.10824	45.958	0.0	0.0	0.0
17.00000	88.00000	46.00000	-0.075048	45.958	0.0	0.0	0.0
18.00000	88.00000	46.00000	-0.043836	45.958	0.0	0.0	0.0
19.00000	88.00000	46.00000	-0.015247	45.958	0.0	0.0	0.0
20.00000	88.00000	46.00000	0.010385	45.958	0.0	0.0	0.0
21.00000	88.00000	46.00000	0.032964	45.958	0.0	0.0	0.0
22.00000	88.00000	46.00000	0.052555	45.958	0.0	0.0	0.0
23.00000	88.00000	46.00000	0.069323	45.958	0.0	0.0	0.0
24.00000	88.00000	46.00000	0.083483	45.958	0.0	0.0	0.0
25.00000	88.00000	46.00000	0.095278	45.958	0.0	0.0	0.0
26.00000	88.00000	46.00000	0.10495	45.958	0.0	0.0	0.0
27.00000	88.00000	46.00000	0.11274	45.958	0.0	0.0	0.0
28.00000	88.00000	46.00000	0.11886	45.958	0.0	0.0	0.0
29.00000	88.00000	46.00000	0.12353	45.958	0.0	0.0	0.0
30.00000	88.00000	46.00000	0.12692	45.958	0.0	0.0	0.0
31.00000	88.00000	46.00000	0.12922	45.958	0.0	0.0	0.0
32.00000	88.00000	46.00000	0.13056	45.958	0.0	0.0	0.0
33.00000	88.00000	46.00000	0.13108	45.958	0.0	0.0	0.0
34.00000	88.00000	46.00000	0.13091	45.958	0.0	0.0	0.0
35.00000	88.00000	46.00000	0.13015	45.958	0.0	0.0	0.0
36.00000	88.00000	46.00000	0.12890	45.958	0.0	0.0	0.0
37.00000	88.00000	46.00000	0.12723	45.958	0.0	0.0	0.0
38.00000	88.00000	46.00000	0.12522	45.958	0.0	0.0	0.0
39.00000	88.00000	46.00000	0.12293	45.958	0.0	0.0	0.0
40.00000	88.00000	46.00000	0.12042	45.958	0.0	0.0	0.0
41.00000	88.00000	46.00000	0.11774	45.958	0.0	0.0	0.0 !
42.00000	88.00000	46.00000	0.11493	45.958	0.0	0.0	0.0 !
43.00000	88.00000	46.00000	0.11201	45.958	0.0	0.0	0.0 !
44.00000	88.00000	46.00000	0.10904	45.958	0.0	0.0	0.0 !
45.00000	88.00000	46.00000	0.10602	45.958	0.0	0.0	0.0 !
46.00000	88.00000	46.00000	0.10298	45.958	0.0	0.0	0.0 !
47.00000	88.00000	46.00000	0.099951	45.958	0.0	0.0	0.0 !
48.00000	88.00000	46.00000	0.096935	45.958	0.0	0.0	0.0 !
49.00000	88.00000	46.00000	0.093950	45.958	0.0	0.0	0.0 !

50.00000	88.00000	46.00000	0.091006	45.958	0.0	0.0	0.0	!
-10.00000	89.00000	46.00000	0.11780	45.958	0.0	0.0	0.0	0.0
-9.00000	89.00000	46.00000	0.11171	45.958	0.0	0.0	0.0	
-8.00000	89.00000	46.00000	0.10407	45.958	0.0	0.0	0.0	
-7.00000	89.00000	46.00000	0.094717	45.958	0.0	0.0	0.0	
-6.00000	89.00000	46.00000	0.083480	45.958	0.0	0.0	0.0	
-5.00000	89.00000	46.00000	0.070217	45.958	0.0	0.0	0.0	
-4.00000	89.00000	46.00000	0.054815	45.958	0.0	0.0	0.0	
-3.00000	89.00000	46.00000	0.037215	45.958	0.0	0.0	0.0	
-2.00000	89.00000	46.00000	0.017443	45.958	0.0	0.0	0.0	
-1.00000	89.00000	46.00000	-0.0043496	45.958	0.0	0.0	0.0	0.0
0.00000	89.00000	46.00000	-0.027852	45.958	0.0	0.0	0.0	0.0
1.00000	89.00000	46.00000	-0.052550	45.958	0.0	0.0	0.0	0.0
2.00000	89.00000	46.00000	-0.077708	45.958	0.0	0.0	0.0	0.0
3.00000	89.00000	46.00000	-0.10238	45.958	0.0	0.0	0.0	
4.00000	89.00000	46.00000	-0.12546	45.958	0.0	0.0	0.0	
5.00000	89.00000	46.00000	-0.14577	45.958	0.0	0.0	0.0	
6.00000	89.00000	46.00000	-0.16220	45.958	0.0	0.0	0.0	
7.00000	89.00000	46.00000	-0.17383	45.958	0.0	0.0	0.0	
8.00000	89.00000	46.00000	-0.17996	45.958	0.0	0.0	0.0	
9.00000	89.00000	46.00000	-0.18025	45.958	0.0	0.0	0.0	
10.00000	89.00000	46.00000	-0.17470	45.958	0.0	0.0	0.0	
11.00000	89.00000	46.00000	-0.16362	45.958	0.0	0.0	0.0	
12.00000	89.00000	46.00000	-0.14766	45.958	0.0	0.0	0.0	
13.00000	89.00000	46.00000	-0.12774	45.958	0.0	0.0	0.0	
14.00000	89.00000	46.00000	-0.10494	45.958	0.0	0.0	0.0	
15.00000	89.00000	46.00000	-0.080416	45.958	0.0	0.0	0.0	0.0
16.00000	89.00000	46.00000	-0.055292	45.958	0.0	0.0	0.0	0.0
17.00000	89.00000	46.00000	-0.030533	45.958	0.0	0.0	0.0	0.0
18.00000	89.00000	46.00000	-0.0069024	45.958	0.0	0.0	0.0	0.0
19.00000	89.00000	46.00000	0.015057	45.958	0.0	0.0	0.0	
20.00000	89.00000	46.00000	0.035013	45.958	0.0	0.0	0.0	
21.00000	89.00000	46.00000	0.052801	45.958	0.0	0.0	0.0	
22.00000	89.00000	46.00000	0.068388	45.958	0.0	0.0	0.0	
23.00000	89.00000	46.00000	0.081832	45.958	0.0	0.0	0.0	
24.00000	89.00000	46.00000	0.093246	45.958	0.0	0.0	0.0	
25.00000	89.00000	46.00000	0.10278	45.958	0.0	0.0	0.0	
26.00000	89.00000	46.00000	0.11059	45.958	0.0	0.0	0.0	
27.00000	89.00000	46.00000	0.11686	45.958	0.0	0.0	0.0	
28.00000	89.00000	46.00000	0.12174	45.958	0.0	0.0	0.0	
29.00000	89.00000	46.00000	0.12539	45.958	0.0	0.0	0.0	
30.00000	89.00000	46.00000	0.12796	45.958	0.0	0.0	0.0	
31.00000	89.00000	46.00000	0.12959	45.958	0.0	0.0	0.0	
32.00000	89.00000	46.00000	0.13040	45.958	0.0	0.0	0.0	
33.00000	89.00000	46.00000	0.13051	45.958	0.0	0.0	0.0	
34.00000	89.00000	46.00000	0.13001	45.958	0.0	0.0	0.0	
35.00000	89.00000	46.00000	0.12899	45.958	0.0	0.0	0.0	
36.00000	89.00000	46.00000	0.12755	45.958	0.0	0.0	0.0	
37.00000	89.00000	46.00000	0.12574	45.958	0.0	0.0	0.0	
38.00000	89.00000	46.00000	0.12363	45.958	0.0	0.0	0.0	
39.00000	89.00000	46.00000	0.12128	45.958	0.0	0.0	0.0	
40.00000	89.00000	46.00000	0.11873	45.958	0.0	0.0	0.0	
41.00000	89.00000	46.00000	0.11604	45.958	0.0	0.0	0.0	!
42.00000	89.00000	46.00000	0.11323	45.958	0.0	0.0	0.0	!

43.00000	89.00000	46.00000	0.11033	45.958	0.0	0.0	0.0	!
44.00000	89.00000	46.00000	0.10739	45.958	0.0	0.0	0.0	!
45.00000	89.00000	46.00000	0.10441	45.958	0.0	0.0	0.0	!
46.00000	89.00000	46.00000	0.10142	45.958	0.0	0.0	0.0	!
47.00000	89.00000	46.00000	0.098434	45.958	0.0	0.0	0.0	!
48.00000	89.00000	46.00000	0.095472	45.958	0.0	0.0	0.0	!
49.00000	89.00000	46.00000	0.092542	45.958	0.0	0.0	0.0	!
50.00000	89.00000	46.00000	0.089654	45.958	0.0	0.0	0.0	!
-10.00000	90.00000	46.00000	0.12085	45.958	0.0	0.0	0.0	0.0
-9.00000	90.00000	46.00000	0.11607	45.958	0.0	0.0	0.0	
-8.00000	90.00000	46.00000	0.11002	45.958	0.0	0.0	0.0	
-7.00000	90.00000	46.00000	0.10258	45.958	0.0	0.0	0.0	
-6.00000	90.00000	46.00000	0.093647	45.958	0.0	0.0	0.0	
-5.00000	90.00000	46.00000	0.083135	45.958	0.0	0.0	0.0	
-4.00000	90.00000	46.00000	0.070992	45.958	0.0	0.0	0.0	
-3.00000	90.00000	46.00000	0.057215	45.958	0.0	0.0	0.0	
-2.00000	90.00000	46.00000	0.041877	45.958	0.0	0.0	0.0	
-1.00000	90.00000	46.00000	0.025142	45.958	0.0	0.0	0.0	
0.00000	90.00000	46.00000	0.0072945	45.958	0.0	0.0	0.0	
1.00000	90.00000	46.00000	-0.011247	45.958	0.0	0.0	0.0	
2.00000	90.00000	46.00000	-0.029926	45.958	0.0	0.0	0.0	
3.00000	90.00000	46.00000	-0.048058	45.958	0.0	0.0	0.0	
4.00000	90.00000	46.00000	-0.064875	45.958	0.0	0.0	0.0	
5.00000	90.00000	46.00000	-0.079581	45.958	0.0	0.0	0.0	
6.00000	90.00000	46.00000	-0.091427	45.958	0.0	0.0	0.0	
7.00000	90.00000	46.00000	-0.099779	45.958	0.0	0.0	0.0	
8.00000	90.00000	46.00000	-0.10418	45.958	0.0	0.0	0.0	
9.00000	90.00000	46.00000	-0.10439	45.958	0.0	0.0	0.0	
10.00000	90.00000	46.00000	-0.10040	45.958	0.0	0.0	0.0	
11.00000	90.00000	46.00000	-0.092430	45.958	0.0	0.0	0.0	
12.00000	90.00000	46.00000	-0.080923	45.958	0.0	0.0	0.0	
13.00000	90.00000	46.00000	-0.066493	45.958	0.0	0.0	0.0	
14.00000	90.00000	46.00000	-0.049877	45.958	0.0	0.0	0.0	
15.00000	90.00000	46.00000	-0.031865	45.958	0.0	0.0	0.0	
16.00000	90.00000	46.00000	-0.013231	45.958	0.0	0.0	0.0	
17.00000	90.00000	46.00000	0.0053338	45.958	0.0	0.0	0.0	
18.00000	90.00000	46.00000	0.023254	45.958	0.0	0.0	0.0	
19.00000	90.00000	46.00000	0.040096	45.958	0.0	0.0	0.0	
20.00000	90.00000	46.00000	0.055563	45.958	0.0	0.0	0.0	
21.00000	90.00000	46.00000	0.069478	45.958	0.0	0.0	0.0	
22.00000	90.00000	46.00000	0.081765	45.958	0.0	0.0	0.0	
23.00000	90.00000	46.00000	0.092422	45.958	0.0	0.0	0.0	
24.00000	90.00000	46.00000	0.10150	45.958	0.0	0.0	0.0	
25.00000	90.00000	46.00000	0.10908	45.958	0.0	0.0	0.0	
26.00000	90.00000	46.00000	0.11528	45.958	0.0	0.0	0.0	
27.00000	90.00000	46.00000	0.12021	45.958	0.0	0.0	0.0	
28.00000	90.00000	46.00000	0.12399	45.958	0.0	0.0	0.0	
29.00000	90.00000	46.00000	0.12675	45.958	0.0	0.0	0.0	
30.00000	90.00000	46.00000	0.12859	45.958	0.0	0.0	0.0	
31.00000	90.00000	46.00000	0.12963	45.958	0.0	0.0	0.0	
32.00000	90.00000	46.00000	0.12997	45.958	0.0	0.0	0.0	
33.00000	90.00000	46.00000	0.12970	45.958	0.0	0.0	0.0	
34.00000	90.00000	46.00000	0.12891	45.958	0.0	0.0	0.0	
35.00000	90.00000	46.00000	0.12767	45.958	0.0	0.0	0.0	

36.00000	90.00000	46.00000	0.12605	45.958	0.0	0.0	0.0
37.00000	90.00000	46.00000	0.12412	45.958	0.0	0.0	0.0
38.00000	90.00000	46.00000	0.12193	45.958	0.0	0.0	0.0
39.00000	90.00000	46.00000	0.11953	45.958	0.0	0.0	0.0
40.00000	90.00000	46.00000	0.11696	45.958	0.0	0.0	0.0
41.00000	90.00000	46.00000	0.11426	45.958	0.0	0.0	0.0 !
42.00000	90.00000	46.00000	0.11146	45.958	0.0	0.0	0.0 !
43.00000	90.00000	46.00000	0.10859	45.958	0.0	0.0	0.0 !
44.00000	90.00000	46.00000	0.10568	45.958	0.0	0.0	0.0 !
45.00000	90.00000	46.00000	0.10274	45.958	0.0	0.0	0.0 !
46.00000	90.00000	46.00000	0.099802	45.958	0.0	0.0	0.0 !
47.00000	90.00000	46.00000	0.096871	45.958	0.0	0.0	0.0 !
48.00000	90.00000	46.00000	0.093965	45.958	0.0	0.0	0.0 !
49.00000	90.00000	46.00000	0.091093	45.958	0.0	0.0	0.0 !
50.00000	90.00000	46.00000	0.088264	45.958	0.0	0.0	0.0 !
-10.00000	91.00000	46.00000	0.12320	45.958	0.0	0.0	0.0
-9.00000	91.00000	46.00000	0.11956	45.958	0.0	0.0	0.0
-8.00000	91.00000	46.00000	0.11487	45.958	0.0	0.0	0.0
-7.00000	91.00000	46.00000	0.10907	45.958	0.0	0.0	0.0
-6.00000	91.00000	46.00000	0.10208	45.958	0.0	0.0	0.0
-5.00000	91.00000	46.00000	0.093862	45.958	0.0	0.0	0.0
-4.00000	91.00000	46.00000	0.084391	45.958	0.0	0.0	0.0
-3.00000	91.00000	46.00000	0.073699	45.958	0.0	0.0	0.0
-2.00000	91.00000	46.00000	0.061872	45.958	0.0	0.0	0.0
-1.00000	91.00000	46.00000	0.049067	45.958	0.0	0.0	0.0
0.00000	91.00000	46.00000	0.035527	45.958	0.0	0.0	0.0
1.00000	91.00000	46.00000	0.021584	45.958	0.0	0.0	0.0
2.00000	91.00000	46.00000	0.0076572	45.958	0.0	0.0	0.0
3.00000	91.00000	46.00000	-0.0057559	45.958	0.0	0.0	0.0
4.00000	91.00000	46.00000	-0.018112	45.958	0.0	0.0	0.0
5.00000	91.00000	46.00000	-0.028858	45.958	0.0	0.0	0.0
6.00000	91.00000	46.00000	-0.037480	45.958	0.0	0.0	0.0
7.00000	91.00000	46.00000	-0.043542	45.958	0.0	0.0	0.0
8.00000	91.00000	46.00000	-0.046731	45.958	0.0	0.0	0.0
9.00000	91.00000	46.00000	-0.046881	45.958	0.0	0.0	0.0
10.00000	91.00000	46.00000	-0.043983	45.958	0.0	0.0	0.0
11.00000	91.00000	46.00000	-0.038194	45.958	0.0	0.0	0.0
12.00000	91.00000	46.00000	-0.029813	45.958	0.0	0.0	0.0
13.00000	91.00000	46.00000	-0.019265	45.958	0.0	0.0	0.0
14.00000	91.00000	46.00000	-0.0070556	45.958	0.0	0.0	0.0
15.00000	91.00000	46.00000	0.0062646	45.958	0.0	0.0	0.0
16.00000	91.00000	46.00000	0.020151	45.958	0.0	0.0	0.0
17.00000	91.00000	46.00000	0.034101	45.958	0.0	0.0	0.0
18.00000	91.00000	46.00000	0.047686	45.958	0.0	0.0	0.0
19.00000	91.00000	46.00000	0.060564	45.958	0.0	0.0	0.0
20.00000	91.00000	46.00000	0.072484	45.958	0.0	0.0	0.0
21.00000	91.00000	46.00000	0.083282	45.958	0.0	0.0	0.0
22.00000	91.00000	46.00000	0.092867	45.958	0.0	0.0	0.0
23.00000	91.00000	46.00000	0.10121	45.958	0.0	0.0	0.0
24.00000	91.00000	46.00000	0.10832	45.958	0.0	0.0	0.0
25.00000	91.00000	46.00000	0.11424	45.958	0.0	0.0	0.0
26.00000	91.00000	46.00000	0.11905	45.958	0.0	0.0	0.0
27.00000	91.00000	46.00000	0.12282	45.958	0.0	0.0	0.0
28.00000	91.00000	46.00000	0.12565	45.958	0.0	0.0	0.0

29.00000	91.00000	46.00000	0.12762	45.958	0.0	0.0	0.0
30.00000	91.00000	46.00000	0.12882	45.958	0.0	0.0	0.0
31.00000	91.00000	46.00000	0.12934	45.958	0.0	0.0	0.0
32.00000	91.00000	46.00000	0.12926	45.958	0.0	0.0	0.0
33.00000	91.00000	46.00000	0.12866	45.958	0.0	0.0	0.0
34.00000	91.00000	46.00000	0.12761	45.958	0.0	0.0	0.0
35.00000	91.00000	46.00000	0.12618	45.958	0.0	0.0	0.0
36.00000	91.00000	46.00000	0.12442	45.958	0.0	0.0	0.0
37.00000	91.00000	46.00000	0.12239	45.958	0.0	0.0	0.0
38.00000	91.00000	46.00000	0.12013	45.958	0.0	0.0	0.0
39.00000	91.00000	46.00000	0.11769	45.958	0.0	0.0	0.0
40.00000	91.00000	46.00000	0.11510	45.958	0.0	0.0	0.0
41.00000	91.00000	46.00000	0.11241	45.958	0.0	0.0	0.0 !
42.00000	91.00000	46.00000	0.10963	45.958	0.0	0.0	0.0 !
43.00000	91.00000	46.00000	0.10679	45.958	0.0	0.0	0.0 !
44.00000	91.00000	46.00000	0.10392	45.958	0.0	0.0	0.0 !
45.00000	91.00000	46.00000	0.10103	45.958	0.0	0.0	0.0 !
46.00000	91.00000	46.00000	0.098141	45.958	0.0	0.0	0.0 !
47.00000	91.00000	46.00000	0.095267	45.958	0.0	0.0	0.0 !
48.00000	91.00000	46.00000	0.092419	45.958	0.0	0.0	0.0 !
49.00000	91.00000	46.00000	0.089607	45.958	0.0	0.0	0.0 !
50.00000	91.00000	46.00000	0.086839	45.958	0.0	0.0	0.0 !
-10.00000	92.00000	46.00000	0.12490	45.958	0.0	0.0	0.0
-9.00000	92.00000	46.00000	0.12222	45.958	0.0	0.0	0.0
-8.00000	92.00000	46.00000	0.11871	45.958	0.0	0.0	0.0
-7.00000	92.00000	46.00000	0.11428	45.958	0.0	0.0	0.0
-6.00000	92.00000	46.00000	0.10892	45.958	0.0	0.0	0.0
-5.00000	92.00000	46.00000	0.10259	45.958	0.0	0.0	0.0
-4.00000	92.00000	46.00000	0.095296	45.958	0.0	0.0	0.0
-3.00000	92.00000	46.00000	0.087083	45.958	0.0	0.0	0.0
-2.00000	92.00000	46.00000	0.078035	45.958	0.0	0.0	0.0
-1.00000	92.00000	46.00000	0.068292	45.958	0.0	0.0	0.0
0.00000	92.00000	46.00000	0.058052	45.958	0.0	0.0	0.0
1.00000	92.00000	46.00000	0.047576	45.958	0.0	0.0	0.0
2.00000	92.00000	46.00000	0.037180	45.958	0.0	0.0	0.0
3.00000	92.00000	46.00000	0.027228	45.958	0.0	0.0	0.0
4.00000	92.00000	46.00000	0.018109	45.958	0.0	0.0	0.0
5.00000	92.00000	46.00000	0.010213	45.958	0.0	0.0	0.0
6.00000	92.00000	46.00000	0.0038996	45.958	0.0	0.0	0.0
7.00000	92.00000	46.00000	-528.67E-6	45.958	0.0	0.0	0.0
8.00000	92.00000	46.00000	-0.0028539	45.958	0.0	0.0	0.0
9.00000	92.00000	46.00000	-0.0029601	45.958	0.0	0.0	0.0
10.00000	92.00000	46.00000	-842.50E-6	45.958	0.0	0.0	0.0
11.00000	92.00000	46.00000	0.0033921	45.958	0.0	0.0	0.0
12.00000	92.00000	46.00000	0.0095343	45.958	0.0	0.0	0.0
13.00000	92.00000	46.00000	0.017289	45.958	0.0	0.0	0.0
14.00000	92.00000	46.00000	0.026302	45.958	0.0	0.0	0.0
15.00000	92.00000	46.00000	0.036186	45.958	0.0	0.0	0.0
16.00000	92.00000	46.00000	0.046550	45.958	0.0	0.0	0.0
17.00000	92.00000	46.00000	0.057029	45.958	0.0	0.0	0.0
18.00000	92.00000	46.00000	0.067300	45.958	0.0	0.0	0.0
19.00000	92.00000	46.00000	0.077097	45.958	0.0	0.0	0.0
20.00000	92.00000	46.00000	0.086216	45.958	0.0	0.0	0.0
21.00000	92.00000	46.00000	0.094513	45.958	0.0	0.0	0.0

22.00000	92.00000	46.00000	0.10190	45.958	0.0	0.0	0.0
23.00000	92.00000	46.00000	0.10833	45.958	0.0	0.0	0.0
24.00000	92.00000	46.00000	0.11379	45.958	0.0	0.0	0.0
25.00000	92.00000	46.00000	0.11832	45.958	0.0	0.0	0.0
26.00000	92.00000	46.00000	0.12195	45.958	0.0	0.0	0.0
27.00000	92.00000	46.00000	0.12473	45.958	0.0	0.0	0.0
28.00000	92.00000	46.00000	0.12673	45.958	0.0	0.0	0.0
29.00000	92.00000	46.00000	0.12801	45.958	0.0	0.0	0.0
30.00000	92.00000	46.00000	0.12866	45.958	0.0	0.0	0.0
31.00000	92.00000	46.00000	0.12873	45.958	0.0	0.0	0.0
32.00000	92.00000	46.00000	0.12829	45.958	0.0	0.0	0.0
33.00000	92.00000	46.00000	0.12741	45.958	0.0	0.0	0.0
34.00000	92.00000	46.00000	0.12614	45.958	0.0	0.0	0.0
35.00000	92.00000	46.00000	0.12454	45.958	0.0	0.0	0.0
36.00000	92.00000	46.00000	0.12266	45.958	0.0	0.0	0.0
37.00000	92.00000	46.00000	0.12054	45.958	0.0	0.0	0.0
38.00000	92.00000	46.00000	0.11823	45.958	0.0	0.0	0.0
39.00000	92.00000	46.00000	0.11577	45.958	0.0	0.0	0.0
40.00000	92.00000	46.00000	0.11318	45.958	0.0	0.0	0.0
41.00000	92.00000	46.00000	0.11049	45.958	0.0	0.0	0.0 !
42.00000	92.00000	46.00000	0.10774	45.958	0.0	0.0	0.0 !
43.00000	92.00000	46.00000	0.10494	45.958	0.0	0.0	0.0 !
44.00000	92.00000	46.00000	0.10211	45.958	0.0	0.0	0.0 !
45.00000	92.00000	46.00000	0.099272	45.958	0.0	0.0	0.0 !
46.00000	92.00000	46.00000	0.096440	45.958	0.0	0.0	0.0 !
47.00000	92.00000	46.00000	0.093625	45.958	0.0	0.0	0.0 !
48.00000	92.00000	46.00000	0.090838	45.958	0.0	0.0	0.0 !
49.00000	92.00000	46.00000	0.088089	45.958	0.0	0.0	0.0 !
50.00000	92.00000	46.00000	0.085384	45.958	0.0	0.0	0.0 !
-10.00000	93.00000	46.00000	0.12597	45.958	0.0	0.0	0.0
-9.00000	93.00000	46.00000	0.12412	45.958	0.0	0.0	0.0
-8.00000	93.00000	46.00000	0.12158	45.958	0.0	0.0	0.0
-7.00000	93.00000	46.00000	0.11832	45.958	0.0	0.0	0.0
-6.00000	93.00000	46.00000	0.11430	45.958	0.0	0.0	0.0
-5.00000	93.00000	46.00000	0.10952	45.958	0.0	0.0	0.0
-4.00000	93.00000	46.00000	0.10399	45.958	0.0	0.0	0.0
-3.00000	93.00000	46.00000	0.097765	45.958	0.0	0.0	0.0
-2.00000	93.00000	46.00000	0.090916	45.958	0.0	0.0	0.0
-1.00000	93.00000	46.00000	0.083561	45.958	0.0	0.0	0.0
0.00000	93.00000	46.00000	0.075862	45.958	0.0	0.0	0.0
1.00000	93.00000	46.00000	0.068019	45.958	0.0	0.0	0.0
2.00000	93.00000	46.00000	0.060273	45.958	0.0	0.0	0.0
3.00000	93.00000	46.00000	0.052890	45.958	0.0	0.0	0.0
4.00000	93.00000	46.00000	0.046153	45.958	0.0	0.0	0.0
5.00000	93.00000	46.00000	0.040339	45.958	0.0	0.0	0.0
6.00000	93.00000	46.00000	0.035703	45.958	0.0	0.0	0.0
7.00000	93.00000	46.00000	0.032459	45.958	0.0	0.0	0.0
8.00000	93.00000	46.00000	0.030758	45.958	0.0	0.0	0.0
9.00000	93.00000	46.00000	0.030683	45.958	0.0	0.0	0.0
10.00000	93.00000	46.00000	0.032238	45.958	0.0	0.0	0.0
11.00000	93.00000	46.00000	0.035346	45.958	0.0	0.0	0.0
12.00000	93.00000	46.00000	0.039861	45.958	0.0	0.0	0.0
13.00000	93.00000	46.00000	0.045576	45.958	0.0	0.0	0.0
14.00000	93.00000	46.00000	0.052240	45.958	0.0	0.0	0.0

15.00000	93.00000	46.00000	0.059575	45.958	0.0	0.0	0.0
16.00000	93.00000	46.00000	0.067299	45.958	0.0	0.0	0.0
17.00000	93.00000	46.00000	0.075145	45.958	0.0	0.0	0.0
18.00000	93.00000	46.00000	0.082870	45.958	0.0	0.0	0.0
19.00000	93.00000	46.00000	0.090267	45.958	0.0	0.0	0.0
20.00000	93.00000	46.00000	0.097174	45.958	0.0	0.0	0.0
21.00000	93.00000	46.00000	0.10347	45.958	0.0	0.0	0.0
22.00000	93.00000	46.00000	0.10907	45.958	0.0	0.0	0.0
23.00000	93.00000	46.00000	0.11393	45.958	0.0	0.0	0.0
24.00000	93.00000	46.00000	0.11804	45.958	0.0	0.0	0.0
25.00000	93.00000	46.00000	0.12140	45.958	0.0	0.0	0.0
26.00000	93.00000	46.00000	0.12402	45.958	0.0	0.0	0.0
27.00000	93.00000	46.00000	0.12596	45.958	0.0	0.0	0.0
28.00000	93.00000	46.00000	0.12726	45.958	0.0	0.0	0.0
29.00000	93.00000	46.00000	0.12797	45.958	0.0	0.0	0.0
30.00000	93.00000	46.00000	0.12813	45.958	0.0	0.0	0.0
31.00000	93.00000	46.00000	0.12782	45.958	0.0	0.0	0.0
32.00000	93.00000	46.00000	0.12707	45.958	0.0	0.0	0.0
33.00000	93.00000	46.00000	0.12594	45.958	0.0	0.0	0.0
34.00000	93.00000	46.00000	0.12449	45.958	0.0	0.0	0.0
35.00000	93.00000	46.00000	0.12275	45.958	0.0	0.0	0.0
36.00000	93.00000	46.00000	0.12077	45.958	0.0	0.0	0.0
37.00000	93.00000	46.00000	0.11859	45.958	0.0	0.0	0.0
38.00000	93.00000	46.00000	0.11625	45.958	0.0	0.0	0.0
39.00000	93.00000	46.00000	0.11377	45.958	0.0	0.0	0.0
40.00000	93.00000	46.00000	0.11118	45.958	0.0	0.0	0.0
41.00000	93.00000	46.00000	0.10852	45.958	0.0	0.0	0.0 !
42.00000	93.00000	46.00000	0.10580	45.958	0.0	0.0	0.0 !
43.00000	93.00000	46.00000	0.10304	45.958	0.0	0.0	0.0 !
44.00000	93.00000	46.00000	0.10026	45.958	0.0	0.0	0.0 !
45.00000	93.00000	46.00000	0.097477	45.958	0.0	0.0	0.0 !
46.00000	93.00000	46.00000	0.094703	45.958	0.0	0.0	0.0 !
47.00000	93.00000	46.00000	0.091950	45.958	0.0	0.0	0.0 !
48.00000	93.00000	46.00000	0.089227	45.958	0.0	0.0	0.0 !
49.00000	93.00000	46.00000	0.086541	45.958	0.0	0.0	0.0 !
50.00000	93.00000	46.00000	0.083900	45.958	0.0	0.0	0.0 !
-10.00000	94.00000	46.00000	0.12645	45.958	0.0	0.0	0.0
-9.00000	94.00000	46.00000	0.12530	45.958	0.0	0.0	0.0
-8.00000	94.00000	46.00000	0.12358	45.958	0.0	0.0	0.0
-7.00000	94.00000	46.00000	0.12127	45.958	0.0	0.0	0.0
-6.00000	94.00000	46.00000	0.11836	45.958	0.0	0.0	0.0
-5.00000	94.00000	46.00000	0.11485	45.958	0.0	0.0	0.0
-4.00000	94.00000	46.00000	0.11075	45.958	0.0	0.0	0.0
-3.00000	94.00000	46.00000	0.10611	45.958	0.0	0.0	0.0
-2.00000	94.00000	46.00000	0.10100	45.958	0.0	0.0	0.0
-1.00000	94.00000	46.00000	0.095511	45.958	0.0	0.0	0.0
0.00000	94.00000	46.00000	0.089774	45.958	0.0	0.0	0.0
1.00000	94.00000	46.00000	0.083944	45.958	0.0	0.0	0.0
2.00000	94.00000	46.00000	0.078201	45.958	0.0	0.0	0.0
3.00000	94.00000	46.00000	0.072744	45.958	0.0	0.0	0.0
4.00000	94.00000	46.00000	0.067778	45.958	0.0	0.0	0.0
5.00000	94.00000	46.00000	0.063503	45.958	0.0	0.0	0.0
6.00000	94.00000	46.00000	0.060101	45.958	0.0	0.0	0.0
7.00000	94.00000	46.00000	0.057725	45.958	0.0	0.0	0.0

8.00000	94.00000	46.00000	0.056482	45.958	0.0	0.0	0.0
9.00000	94.00000	46.00000	0.056430	45.958	0.0	0.0	0.0
10.00000	94.00000	46.00000	0.057572	45.958	0.0	0.0	0.0
11.00000	94.00000	46.00000	0.059855	45.958	0.0	0.0	0.0
12.00000	94.00000	46.00000	0.063174	45.958	0.0	0.0	0.0
13.00000	94.00000	46.00000	0.067382	45.958	0.0	0.0	0.0
14.00000	94.00000	46.00000	0.072299	45.958	0.0	0.0	0.0
15.00000	94.00000	46.00000	0.077725	45.958	0.0	0.0	0.0
16.00000	94.00000	46.00000	0.083456	45.958	0.0	0.0	0.0
17.00000	94.00000	46.00000	0.089293	45.958	0.0	0.0	0.0
18.00000	94.00000	46.00000	0.095053	45.958	0.0	0.0	0.0
19.00000	94.00000	46.00000	0.10058	45.958	0.0	0.0	0.0
20.00000	94.00000	46.00000	0.10574	45.958	0.0	0.0	0.0
21.00000	94.00000	46.00000	0.11044	45.958	0.0	0.0	0.0
22.00000	94.00000	46.00000	0.11460	45.958	0.0	0.0	0.0
23.00000	94.00000	46.00000	0.11819	45.958	0.0	0.0	0.0
24.00000	94.00000	46.00000	0.12117	45.958	0.0	0.0	0.0
25.00000	94.00000	46.00000	0.12356	45.958	0.0	0.0	0.0
26.00000	94.00000	46.00000	0.12535	45.958	0.0	0.0	0.0
27.00000	94.00000	46.00000	0.12659	45.958	0.0	0.0	0.0
28.00000	94.00000	46.00000	0.12729	45.958	0.0	0.0	0.0
29.00000	94.00000	46.00000	0.12750	45.958	0.0	0.0	0.0
30.00000	94.00000	46.00000	0.12727	45.958	0.0	0.0	0.0
31.00000	94.00000	46.00000	0.12662	45.958	0.0	0.0	0.0
32.00000	94.00000	46.00000	0.12562	45.958	0.0	0.0	0.0
33.00000	94.00000	46.00000	0.12429	45.958	0.0	0.0	0.0
34.00000	94.00000	46.00000	0.12268	45.958	0.0	0.0	0.0
35.00000	94.00000	46.00000	0.12083	45.958	0.0	0.0	0.0
36.00000	94.00000	46.00000	0.11878	45.958	0.0	0.0	0.0
37.00000	94.00000	46.00000	0.11655	45.958	0.0	0.0	0.0
38.00000	94.00000	46.00000	0.11418	45.958	0.0	0.0	0.0
39.00000	94.00000	46.00000	0.11170	45.958	0.0	0.0	0.0
40.00000	94.00000	46.00000	0.10913	45.958	0.0	0.0	0.0
41.00000	94.00000	46.00000	0.10649	45.958	0.0	0.0	0.0 !
42.00000	94.00000	46.00000	0.10381	45.958	0.0	0.0	0.0 !
43.00000	94.00000	46.00000	0.10110	45.958	0.0	0.0	0.0 !
44.00000	94.00000	46.00000	0.098371	45.958	0.0	0.0	0.0 !
45.00000	94.00000	46.00000	0.095647	45.958	0.0	0.0	0.0 !
46.00000	94.00000	46.00000	0.092936	45.958	0.0	0.0	0.0 !
47.00000	94.00000	46.00000	0.090247	45.958	0.0	0.0	0.0 !
48.00000	94.00000	46.00000	0.087589	45.958	0.0	0.0	0.0 !
49.00000	94.00000	46.00000	0.084969	45.958	0.0	0.0	0.0 !
50.00000	94.00000	46.00000	0.082394	45.958	0.0	0.0	0.0 !
-10.00000	95.00000	46.00000	0.12640	45.958	0.0	0.0	0.0
-9.00000	95.00000	46.00000	0.12582	45.958	0.0	0.0	0.0
-8.00000	95.00000	46.00000	0.12478	45.958	0.0	0.0	0.0
-7.00000	95.00000	46.00000	0.12327	45.958	0.0	0.0	0.0
-6.00000	95.00000	46.00000	0.12126	45.958	0.0	0.0	0.0
-5.00000	95.00000	46.00000	0.11877	45.958	0.0	0.0	0.0
-4.00000	95.00000	46.00000	0.11582	45.958	0.0	0.0	0.0
-3.00000	95.00000	46.00000	0.11245	45.958	0.0	0.0	0.0
-2.00000	95.00000	46.00000	0.10871	45.958	0.0	0.0	0.0
-1.00000	95.00000	46.00000	0.10468	45.958	0.0	0.0	0.0
0.00000	95.00000	46.00000	0.10046	45.958	0.0	0.0	0.0



1.00000	95.00000	46.00000	0.096179	45.958	0.0	0.0	0.0
2.00000	95.00000	46.00000	0.091961	45.958	0.0	0.0	0.0
3.00000	95.00000	46.00000	0.087957	45.958	0.0	0.0	0.0
4.00000	95.00000	46.00000	0.084319	45.958	0.0	0.0	0.0
5.00000	95.00000	46.00000	0.081192	45.958	0.0	0.0	0.0
6.00000	95.00000	46.00000	0.078707	45.958	0.0	0.0	0.0
7.00000	95.00000	46.00000	0.076974	45.958	0.0	0.0	0.0
8.00000	95.00000	46.00000	0.076070	45.958	0.0	0.0	0.0
9.00000	95.00000	46.00000	0.076035	45.958	0.0	0.0	0.0
10.00000	95.00000	46.00000	0.076872	45.958	0.0	0.0	0.0
11.00000	95.00000	46.00000	0.078544	45.958	0.0	0.0	0.0
12.00000	95.00000	46.00000	0.080974	45.958	0.0	0.0	0.0
13.00000	95.00000	46.00000	0.084058	45.958	0.0	0.0	0.0
14.00000	95.00000	46.00000	0.087666	45.958	0.0	0.0	0.0
15.00000	95.00000	46.00000	0.091653	45.958	0.0	0.0	0.0
16.00000	95.00000	46.00000	0.095868	45.958	0.0	0.0	0.0
17.00000	95.00000	46.00000	0.10017	45.958	0.0	0.0	0.0
18.00000	95.00000	46.00000	0.10441	45.958	0.0	0.0	0.0
19.00000	95.00000	46.00000	0.10847	45.958	0.0	0.0	0.0
20.00000	95.00000	46.00000	0.11225	45.958	0.0	0.0	0.0
21.00000	95.00000	46.00000	0.11568	45.958	0.0	0.0	0.0
22.00000	95.00000	46.00000	0.11869	45.958	0.0	0.0	0.0
23.00000	95.00000	46.00000	0.12124	45.958	0.0	0.0	0.0
24.00000	95.00000	46.00000	0.12331	45.958	0.0	0.0	0.0
25.00000	95.00000	46.00000	0.12489	45.958	0.0	0.0	0.0
26.00000	95.00000	46.00000	0.12600	45.958	0.0	0.0	0.0
27.00000	95.00000	46.00000	0.12665	45.958	0.0	0.0	0.0
28.00000	95.00000	46.00000	0.12686	45.958	0.0	0.0	0.0
29.00000	95.00000	46.00000	0.12666	45.958	0.0	0.0	0.0
30.00000	95.00000	46.00000	0.12609	45.958	0.0	0.0	0.0
31.00000	95.00000	46.00000	0.12517	45.958	0.0	0.0	0.0
32.00000	95.00000	46.00000	0.12395	45.958	0.0	0.0	0.0
33.00000	95.00000	46.00000	0.12246	45.958	0.0	0.0	0.0
34.00000	95.00000	46.00000	0.12072	45.958	0.0	0.0	0.0
35.00000	95.00000	46.00000	0.11879	45.958	0.0	0.0	0.0
36.00000	95.00000	46.00000	0.11668	45.958	0.0	0.0	0.0
37.00000	95.00000	46.00000	0.11442	45.958	0.0	0.0	0.0
38.00000	95.00000	46.00000	0.11204	45.958	0.0	0.0	0.0
39.00000	95.00000	46.00000	0.10957	45.958	0.0	0.0	0.0
40.00000	95.00000	46.00000	0.10702	45.958	0.0	0.0	0.0
41.00000	95.00000	46.00000	0.10442	45.958	0.0	0.0	0.0 !
42.00000	95.00000	46.00000	0.10178	45.958	0.0	0.0	0.0 !
43.00000	95.00000	46.00000	0.099119	45.958	0.0	0.0	0.0 !
44.00000	95.00000	46.00000	0.096452	45.958	0.0	0.0	0.0 !
45.00000	95.00000	46.00000	0.093789	45.958	0.0	0.0	0.0 !
46.00000	95.00000	46.00000	0.091142	45.958	0.0	0.0	0.0 !
47.00000	95.00000	46.00000	0.088519	45.958	0.0	0.0	0.0 !
48.00000	95.00000	46.00000	0.085928	45.958	0.0	0.0	0.0 !
49.00000	95.00000	46.00000	0.083376	45.958	0.0	0.0	0.0 !
50.00000	95.00000	46.00000	0.080867	45.958	0.0	0.0	0.0 !
-10.00000	96.00000	46.00000	0.12587	45.958	0.0	0.0	0.0
-9.00000	96.00000	46.00000	0.12577	45.958	0.0	0.0	0.0
-8.00000	96.00000	46.00000	0.12528	45.958	0.0	0.0	0.0
-7.00000	96.00000	46.00000	0.12441	45.958	0.0	0.0	0.0

-6.00000	96.00000	46.00000	0.12314	45.958	0.0	0.0	0.0
-5.00000	96.00000	46.00000	0.12148	45.958	0.0	0.0	0.0
-4.00000	96.00000	46.00000	0.11945	45.958	0.0	0.0	0.0
-3.00000	96.00000	46.00000	0.11708	45.958	0.0	0.0	0.0
-2.00000	96.00000	46.00000	0.11442	45.958	0.0	0.0	0.0
-1.00000	96.00000	46.00000	0.11153	45.958	0.0	0.0	0.0
0.00000	96.00000	46.00000	0.10849	45.958	0.0	0.0	0.0
1.00000	96.00000	46.00000	0.10540	45.958	0.0	0.0	0.0
2.00000	96.00000	46.00000	0.10234	45.958	0.0	0.0	0.0
3.00000	96.00000	46.00000	0.099442	45.958	0.0	0.0	0.0
4.00000	96.00000	46.00000	0.096807	45.958	0.0	0.0	0.0
5.00000	96.00000	46.00000	0.094542	45.958	0.0	0.0	0.0
6.00000	96.00000	46.00000	0.092744	45.958	0.0	0.0	0.0
7.00000	96.00000	46.00000	0.091491	45.958	0.0	0.0	0.0
8.00000	96.00000	46.00000	0.090839	45.958	0.0	0.0	0.0
9.00000	96.00000	46.00000	0.090817	45.958	0.0	0.0	0.0
10.00000	96.00000	46.00000	0.091427	45.958	0.0	0.0	0.0
11.00000	96.00000	46.00000	0.092642	45.958	0.0	0.0	0.0
12.00000	96.00000	46.00000	0.094408	45.958	0.0	0.0	0.0
13.00000	96.00000	46.00000	0.096648	45.958	0.0	0.0	0.0
14.00000	96.00000	46.00000	0.099268	45.958	0.0	0.0	0.0
15.00000	96.00000	46.00000	0.10216	45.958	0.0	0.0	0.0
16.00000	96.00000	46.00000	0.10522	45.958	0.0	0.0	0.0
17.00000	96.00000	46.00000	0.10833	45.958	0.0	0.0	0.0
18.00000	96.00000	46.00000	0.11140	45.958	0.0	0.0	0.0
19.00000	96.00000	46.00000	0.11432	45.958	0.0	0.0	0.0
20.00000	96.00000	46.00000	0.11702	45.958	0.0	0.0	0.0
21.00000	96.00000	46.00000	0.11944	45.958	0.0	0.0	0.0
22.00000	96.00000	46.00000	0.12152	45.958	0.0	0.0	0.0
23.00000	96.00000	46.00000	0.12323	45.958	0.0	0.0	0.0
24.00000	96.00000	46.00000	0.12456	45.958	0.0	0.0	0.0
25.00000	96.00000	46.00000	0.12550	45.958	0.0	0.0	0.0
26.00000	96.00000	46.00000	0.12604	45.958	0.0	0.0	0.0
27.00000	96.00000	46.00000	0.12621	45.958	0.0	0.0	0.0
28.00000	96.00000	46.00000	0.12601	45.958	0.0	0.0	0.0
29.00000	96.00000	46.00000	0.12548	45.958	0.0	0.0	0.0
30.00000	96.00000	46.00000	0.12462	45.958	0.0	0.0	0.0
31.00000	96.00000	46.00000	0.12349	45.958	0.0	0.0	0.0
32.00000	96.00000	46.00000	0.12209	45.958	0.0	0.0	0.0
33.00000	96.00000	46.00000	0.12046	45.958	0.0	0.0	0.0
34.00000	96.00000	46.00000	0.11864	45.958	0.0	0.0	0.0
35.00000	96.00000	46.00000	0.11664	45.958	0.0	0.0	0.0
36.00000	96.00000	46.00000	0.11449	45.958	0.0	0.0	0.0
37.00000	96.00000	46.00000	0.11221	45.958	0.0	0.0	0.0
38.00000	96.00000	46.00000	0.10984	45.958	0.0	0.0	0.0
39.00000	96.00000	46.00000	0.10738	45.958	0.0	0.0	0.0
40.00000	96.00000	46.00000	0.10487	45.958	0.0	0.0	0.0
41.00000	96.00000	46.00000	0.10231	45.958	0.0	0.0	0.0 !
42.00000	96.00000	46.00000	0.099717	45.958	0.0	0.0	0.0 !
43.00000	96.00000	46.00000	0.097113	45.958	0.0	0.0	0.0 !
44.00000	96.00000	46.00000	0.094506	45.958	0.0	0.0	0.0 !
45.00000	96.00000	46.00000	0.091908	45.958	0.0	0.0	0.0 !
46.00000	96.00000	46.00000	0.089327	45.958	0.0	0.0	0.0 !
47.00000	96.00000	46.00000	0.086772	45.958	0.0	0.0	0.0 !

48.00000	96.00000	46.00000	0.084249	45.958	0.0	0.0	0.0	!
49.00000	96.00000	46.00000	0.081765	45.958	0.0	0.0	0.0	!
50.00000	96.00000	46.00000	0.079324	45.958	0.0	0.0	0.0	!
-10.00000	97.00000	46.00000	0.12491	45.958	0.0	0.0	0.0	0.0
-9.00000	97.00000	46.00000	0.12519	45.958	0.0	0.0	0.0	
-8.00000	97.00000	46.00000	0.12516	45.958	0.0	0.0	0.0	
-7.00000	97.00000	46.00000	0.12481	45.958	0.0	0.0	0.0	
-6.00000	97.00000	46.00000	0.12413	45.958	0.0	0.0	0.0	
-5.00000	97.00000	46.00000	0.12313	45.958	0.0	0.0	0.0	
-4.00000	97.00000	46.00000	0.12183	45.958	0.0	0.0	0.0	
-3.00000	97.00000	46.00000	0.12026	45.958	0.0	0.0	0.0	
-2.00000	97.00000	46.00000	0.11845	45.958	0.0	0.0	0.0	
-1.00000	97.00000	46.00000	0.11645	45.958	0.0	0.0	0.0	
0.00000	97.00000	46.00000	0.11433	45.958	0.0	0.0	0.0	
1.00000	97.00000	46.00000	0.11214	45.958	0.0	0.0	0.0	
2.00000	97.00000	46.00000	0.10998	45.958	0.0	0.0	0.0	
3.00000	97.00000	46.00000	0.10792	45.958	0.0	0.0	0.0	
4.00000	97.00000	46.00000	0.10605	45.958	0.0	0.0	0.0	
5.00000	97.00000	46.00000	0.10443	45.958	0.0	0.0	0.0	
6.00000	97.00000	46.00000	0.10315	45.958	0.0	0.0	0.0	
7.00000	97.00000	46.00000	0.10226	45.958	0.0	0.0	0.0	
8.00000	97.00000	46.00000	0.10180	45.958	0.0	0.0	0.0	
9.00000	97.00000	46.00000	0.10179	45.958	0.0	0.0	0.0	
10.00000	97.00000	46.00000	0.10223	45.958	0.0	0.0	0.0	
11.00000	97.00000	46.00000	0.10310	45.958	0.0	0.0	0.0	
12.00000	97.00000	46.00000	0.10436	45.958	0.0	0.0	0.0	
13.00000	97.00000	46.00000	0.10597	45.958	0.0	0.0	0.0	
14.00000	97.00000	46.00000	0.10784	45.958	0.0	0.0	0.0	
15.00000	97.00000	46.00000	0.10990	45.958	0.0	0.0	0.0	
16.00000	97.00000	46.00000	0.11208	45.958	0.0	0.0	0.0	
17.00000	97.00000	46.00000	0.11428	45.958	0.0	0.0	0.0	
18.00000	97.00000	46.00000	0.11643	45.958	0.0	0.0	0.0	
19.00000	97.00000	46.00000	0.11846	45.958	0.0	0.0	0.0	
20.00000	97.00000	46.00000	0.12031	45.958	0.0	0.0	0.0	
21.00000	97.00000	46.00000	0.12192	45.958	0.0	0.0	0.0	
22.00000	97.00000	46.00000	0.12327	45.958	0.0	0.0	0.0	
23.00000	97.00000	46.00000	0.12432	45.958	0.0	0.0	0.0	
24.00000	97.00000	46.00000	0.12505	45.958	0.0	0.0	0.0	
25.00000	97.00000	46.00000	0.12546	45.958	0.0	0.0	0.0	
26.00000	97.00000	46.00000	0.12555	45.958	0.0	0.0	0.0	
27.00000	97.00000	46.00000	0.12532	45.958	0.0	0.0	0.0	
28.00000	97.00000	46.00000	0.12479	45.958	0.0	0.0	0.0	
29.00000	97.00000	46.00000	0.12398	45.958	0.0	0.0	0.0	
30.00000	97.00000	46.00000	0.12291	45.958	0.0	0.0	0.0	
31.00000	97.00000	46.00000	0.12159	45.958	0.0	0.0	0.0	
32.00000	97.00000	46.00000	0.12006	45.958	0.0	0.0	0.0	
33.00000	97.00000	46.00000	0.11833	45.958	0.0	0.0	0.0	
34.00000	97.00000	46.00000	0.11643	45.958	0.0	0.0	0.0	
35.00000	97.00000	46.00000	0.11439	45.958	0.0	0.0	0.0	
36.00000	97.00000	46.00000	0.11222	45.958	0.0	0.0	0.0	
37.00000	97.00000	46.00000	0.10994	45.958	0.0	0.0	0.0	
38.00000	97.00000	46.00000	0.10758	45.958	0.0	0.0	0.0	
39.00000	97.00000	46.00000	0.10515	45.958	0.0	0.0	0.0	
40.00000	97.00000	46.00000	0.10267	45.958	0.0	0.0	0.0	

41.00000	97.00000	46.00000	0.10016	45.958	0.0	0.0	0.0	!
42.00000	97.00000	46.00000	0.097626	45.958	0.0	0.0	0.0	!
43.00000	97.00000	46.00000	0.095082	45.958	0.0	0.0	0.0	!
44.00000	97.00000	46.00000	0.092539	45.958	0.0	0.0	0.0	!
45.00000	97.00000	46.00000	0.090007	45.958	0.0	0.0	0.0	!
46.00000	97.00000	46.00000	0.087495	45.958	0.0	0.0	0.0	!
47.00000	97.00000	46.00000	0.085009	45.958	0.0	0.0	0.0	!
48.00000	97.00000	46.00000	0.082556	45.958	0.0	0.0	0.0	!
49.00000	97.00000	46.00000	0.080141	45.958	0.0	0.0	0.0	!
50.00000	97.00000	46.00000	0.077769	45.958	0.0	0.0	0.0	!
-10.00000	98.00000	46.00000	0.12358	45.958	0.0	0.0	0.0	0.0
-9.00000	98.00000	46.00000	0.12417	45.958	0.0	0.0	0.0	
-8.00000	98.00000	46.00000	0.12450	45.958	0.0	0.0	0.0	
-7.00000	98.00000	46.00000	0.12456	45.958	0.0	0.0	0.0	
-6.00000	98.00000	46.00000	0.12435	45.958	0.0	0.0	0.0	
-5.00000	98.00000	46.00000	0.12388	45.958	0.0	0.0	0.0	
-4.00000	98.00000	46.00000	0.12316	45.958	0.0	0.0	0.0	
-3.00000	98.00000	46.00000	0.12221	45.958	0.0	0.0	0.0	
-2.00000	98.00000	46.00000	0.12107	45.958	0.0	0.0	0.0	
-1.00000	98.00000	46.00000	0.11976	45.958	0.0	0.0	0.0	
0.00000	98.00000	46.00000	0.11835	45.958	0.0	0.0	0.0	
1.00000	98.00000	46.00000	0.11687	45.958	0.0	0.0	0.0	
2.00000	98.00000	46.00000	0.11539	45.958	0.0	0.0	0.0	
3.00000	98.00000	46.00000	0.11398	45.958	0.0	0.0	0.0	
4.00000	98.00000	46.00000	0.11268	45.958	0.0	0.0	0.0	
5.00000	98.00000	46.00000	0.11156	45.958	0.0	0.0	0.0	
6.00000	98.00000	46.00000	0.11067	45.958	0.0	0.0	0.0	
7.00000	98.00000	46.00000	0.11005	45.958	0.0	0.0	0.0	
8.00000	98.00000	46.00000	0.10973	45.958	0.0	0.0	0.0	
9.00000	98.00000	46.00000	0.10972	45.958	0.0	0.0	0.0	
10.00000	98.00000	46.00000	0.11004	45.958	0.0	0.0	0.0	
11.00000	98.00000	46.00000	0.11065	45.958	0.0	0.0	0.0	
12.00000	98.00000	46.00000	0.11154	45.958	0.0	0.0	0.0	
13.00000	98.00000	46.00000	0.11266	45.958	0.0	0.0	0.0	
14.00000	98.00000	46.00000	0.11396	45.958	0.0	0.0	0.0	
15.00000	98.00000	46.00000	0.11539	45.958	0.0	0.0	0.0	
16.00000	98.00000	46.00000	0.11688	45.958	0.0	0.0	0.0	
17.00000	98.00000	46.00000	0.11838	45.958	0.0	0.0	0.0	
18.00000	98.00000	46.00000	0.11983	45.958	0.0	0.0	0.0	
19.00000	98.00000	46.00000	0.12116	45.958	0.0	0.0	0.0	
20.00000	98.00000	46.00000	0.12234	45.958	0.0	0.0	0.0	
21.00000	98.00000	46.00000	0.12333	45.958	0.0	0.0	0.0	
22.00000	98.00000	46.00000	0.12409	45.958	0.0	0.0	0.0	
23.00000	98.00000	46.00000	0.12461	45.958	0.0	0.0	0.0	
24.00000	98.00000	46.00000	0.12487	45.958	0.0	0.0	0.0	
25.00000	98.00000	46.00000	0.12486	45.958	0.0	0.0	0.0	
26.00000	98.00000	46.00000	0.12458	45.958	0.0	0.0	0.0	
27.00000	98.00000	46.00000	0.12404	45.958	0.0	0.0	0.0	
28.00000	98.00000	46.00000	0.12325	45.958	0.0	0.0	0.0	
29.00000	98.00000	46.00000	0.12222	45.958	0.0	0.0	0.0	
30.00000	98.00000	46.00000	0.12097	45.958	0.0	0.0	0.0	
31.00000	98.00000	46.00000	0.11951	45.958	0.0	0.0	0.0	
32.00000	98.00000	46.00000	0.11787	45.958	0.0	0.0	0.0	
33.00000	98.00000	46.00000	0.11607	45.958	0.0	0.0	0.0	

34.00000	98.00000	46.00000	0.11413	45.958	0.0	0.0	0.0
35.00000	98.00000	46.00000	0.11206	45.958	0.0	0.0	0.0
36.00000	98.00000	46.00000	0.10988	45.958	0.0	0.0	0.0
37.00000	98.00000	46.00000	0.10761	45.958	0.0	0.0	0.0
38.00000	98.00000	46.00000	0.10528	45.958	0.0	0.0	0.0
39.00000	98.00000	46.00000	0.10288	45.958	0.0	0.0	0.0
40.00000	98.00000	46.00000	0.10045	45.958	0.0	0.0	0.0
41.00000	98.00000	46.00000	0.097991	45.958	0.0	0.0	0.0 !
42.00000	98.00000	46.00000	0.095514	45.958	0.0	0.0	0.0 !
43.00000	98.00000	46.00000	0.093033	45.958	0.0	0.0	0.0 !
44.00000	98.00000	46.00000	0.090556	45.958	0.0	0.0	0.0 !
45.00000	98.00000	46.00000	0.088092	45.958	0.0	0.0	0.0 !
46.00000	98.00000	46.00000	0.085650	45.958	0.0	0.0	0.0 !
47.00000	98.00000	46.00000	0.083234	45.958	0.0	0.0	0.0 !
48.00000	98.00000	46.00000	0.080852	45.958	0.0	0.0	0.0 !
49.00000	98.00000	46.00000	0.078507	45.958	0.0	0.0	0.0 !
50.00000	98.00000	46.00000	0.076204	45.958	0.0	0.0	0.0 !
-10.00000	99.00000	46.00000	0.12192	45.958	0.0	0.0	0.0
-9.00000	99.00000	46.00000	0.12275	45.958	0.0	0.0	0.0
-8.00000	99.00000	46.00000	0.12336	45.958	0.0	0.0	0.0
-7.00000	99.00000	46.00000	0.12375	45.958	0.0	0.0	0.0
-6.00000	99.00000	46.00000	0.12392	45.958	0.0	0.0	0.0
-5.00000	99.00000	46.00000	0.12386	45.958	0.0	0.0	0.0
-4.00000	99.00000	46.00000	0.12360	45.958	0.0	0.0	0.0
-3.00000	99.00000	46.00000	0.12314	45.958	0.0	0.0	0.0
-2.00000	99.00000	46.00000	0.12251	45.958	0.0	0.0	0.0
-1.00000	99.00000	46.00000	0.12175	45.958	0.0	0.0	0.0
0.00000	99.00000	46.00000	0.12088	45.958	0.0	0.0	0.0
1.00000	99.00000	46.00000	0.11995	45.958	0.0	0.0	0.0
2.00000	99.00000	46.00000	0.11900	45.958	0.0	0.0	0.0
3.00000	99.00000	46.00000	0.11807	45.958	0.0	0.0	0.0
4.00000	99.00000	46.00000	0.11721	45.958	0.0	0.0	0.0
5.00000	99.00000	46.00000	0.11647	45.958	0.0	0.0	0.0
6.00000	99.00000	46.00000	0.11587	45.958	0.0	0.0	0.0
7.00000	99.00000	46.00000	0.11546	45.958	0.0	0.0	0.0
8.00000	99.00000	46.00000	0.11524	45.958	0.0	0.0	0.0
9.00000	99.00000	46.00000	0.11525	45.958	0.0	0.0	0.0
10.00000	99.00000	46.00000	0.11546	45.958	0.0	0.0	0.0
11.00000	99.00000	46.00000	0.11588	45.958	0.0	0.0	0.0
12.00000	99.00000	46.00000	0.11648	45.958	0.0	0.0	0.0
13.00000	99.00000	46.00000	0.11723	45.958	0.0	0.0	0.0
14.00000	99.00000	46.00000	0.11810	45.958	0.0	0.0	0.0
15.00000	99.00000	46.00000	0.11905	45.958	0.0	0.0	0.0
16.00000	99.00000	46.00000	0.12002	45.958	0.0	0.0	0.0
17.00000	99.00000	46.00000	0.12098	45.958	0.0	0.0	0.0
18.00000	99.00000	46.00000	0.12188	45.958	0.0	0.0	0.0
19.00000	99.00000	46.00000	0.12268	45.958	0.0	0.0	0.0
20.00000	99.00000	46.00000	0.12334	45.958	0.0	0.0	0.0
21.00000	99.00000	46.00000	0.12383	45.958	0.0	0.0	0.0
22.00000	99.00000	46.00000	0.12414	45.958	0.0	0.0	0.0
23.00000	99.00000	46.00000	0.12424	45.958	0.0	0.0	0.0
24.00000	99.00000	46.00000	0.12412	45.958	0.0	0.0	0.0
25.00000	99.00000	46.00000	0.12377	45.958	0.0	0.0	0.0
26.00000	99.00000	46.00000	0.12320	45.958	0.0	0.0	0.0

27.00000	99.00000	46.00000	0.12242	45.958	0.0	0.0	0.0
28.00000	99.00000	46.00000	0.12142	45.958	0.0	0.0	0.0
29.00000	99.00000	46.00000	0.12022	45.958	0.0	0.0	0.0
30.00000	99.00000	46.00000	0.11883	45.958	0.0	0.0	0.0
31.00000	99.00000	46.00000	0.11727	45.958	0.0	0.0	0.0
32.00000	99.00000	46.00000	0.11556	45.958	0.0	0.0	0.0
33.00000	99.00000	46.00000	0.11371	45.958	0.0	0.0	0.0
34.00000	99.00000	46.00000	0.11173	45.958	0.0	0.0	0.0
35.00000	99.00000	46.00000	0.10965	45.958	0.0	0.0	0.0
36.00000	99.00000	46.00000	0.10748	45.958	0.0	0.0	0.0
37.00000	99.00000	46.00000	0.10524	45.958	0.0	0.0	0.0
38.00000	99.00000	46.00000	0.10294	45.958	0.0	0.0	0.0
39.00000	99.00000	46.00000	0.10059	45.958	0.0	0.0	0.0
40.00000	99.00000	46.00000	0.098205	45.958	0.0	0.0	0.0
41.00000	99.00000	46.00000	0.095801	45.958	0.0	0.0	0.0 !
42.00000	99.00000	46.00000	0.093386	45.958	0.0	0.0	0.0 !
43.00000	99.00000	46.00000	0.090970	45.958	0.0	0.0	0.0 !
44.00000	99.00000	46.00000	0.088562	45.958	0.0	0.0	0.0 !
45.00000	99.00000	46.00000	0.086168	45.958	0.0	0.0	0.0 !
46.00000	99.00000	46.00000	0.083797	45.958	0.0	0.0	0.0 !
47.00000	99.00000	46.00000	0.081452	45.958	0.0	0.0	0.0 !
48.00000	99.00000	46.00000	0.079141	45.958	0.0	0.0	0.0 !
49.00000	99.00000	46.00000	0.076867	45.958	0.0	0.0	0.0 !
50.00000	99.00000	46.00000	0.074633	45.958	0.0	0.0	0.0 !
-10.00000	100.00000	46.00000	0.11998	45.958	0.0	0.0	0.0
-9.00000	100.00000	46.00000	0.12100	45.958	0.0	0.0	0.0
-8.00000	100.00000	46.00000	0.12183	45.958	0.0	0.0	0.0
-7.00000	100.00000	46.00000	0.12248	45.958	0.0	0.0	0.0
-6.00000	100.00000	46.00000	0.12293	45.958	0.0	0.0	0.0
-5.00000	100.00000	46.00000	0.12320	45.958	0.0	0.0	0.0
-4.00000	100.00000	46.00000	0.12329	45.958	0.0	0.0	0.0
-3.00000	100.00000	46.00000	0.12321	45.958	0.0	0.0	0.0
-2.00000	100.00000	46.00000	0.12299	45.958	0.0	0.0	0.0
-1.00000	100.00000	46.00000	0.12264	45.958	0.0	0.0	0.0
0.00000	100.00000	46.00000	0.12219	45.958	0.0	0.0	0.0
1.00000	100.00000	46.00000	0.12168	45.958	0.0	0.0	0.0
2.00000	100.00000	46.00000	0.12113	45.958	0.0	0.0	0.0
3.00000	100.00000	46.00000	0.12057	45.958	0.0	0.0	0.0
4.00000	100.00000	46.00000	0.12005	45.958	0.0	0.0	0.0
5.00000	100.00000	46.00000	0.11959	45.958	0.0	0.0	0.0
6.00000	100.00000	46.00000	0.11922	45.958	0.0	0.0	0.0
7.00000	100.00000	46.00000	0.11896	45.958	0.0	0.0	0.0
8.00000	100.00000	46.00000	0.11883	45.958	0.0	0.0	0.0
9.00000	100.00000	46.00000	0.11884	45.958	0.0	0.0	0.0
10.00000	100.00000	46.00000	0.11898	45.958	0.0	0.0	0.0
11.00000	100.00000	46.00000	0.11925	45.958	0.0	0.0	0.0
12.00000	100.00000	46.00000	0.11963	45.958	0.0	0.0	0.0
13.00000	100.00000	46.00000	0.12011	45.958	0.0	0.0	0.0
14.00000	100.00000	46.00000	0.12065	45.958	0.0	0.0	0.0
15.00000	100.00000	46.00000	0.12122	45.958	0.0	0.0	0.0
16.00000	100.00000	46.00000	0.12180	45.958	0.0	0.0	0.0
17.00000	100.00000	46.00000	0.12234	45.958	0.0	0.0	0.0
18.00000	100.00000	46.00000	0.12282	45.958	0.0	0.0	0.0
19.00000	100.00000	46.00000	0.12320	45.958	0.0	0.0	0.0

20.00000	100.00000	46.00000	0.12346	45.958	0.0	0.0	0.0
21.00000	100.00000	46.00000	0.12357	45.958	0.0	0.0	0.0
22.00000	100.00000	46.00000	0.12352	45.958	0.0	0.0	0.0
23.00000	100.00000	46.00000	0.12329	45.958	0.0	0.0	0.0
24.00000	100.00000	46.00000	0.12288	45.958	0.0	0.0	0.0
25.00000	100.00000	46.00000	0.12228	45.958	0.0	0.0	0.0
26.00000	100.00000	46.00000	0.12148	45.958	0.0	0.0	0.0
27.00000	100.00000	46.00000	0.12051	45.958	0.0	0.0	0.0
28.00000	100.00000	46.00000	0.11935	45.958	0.0	0.0	0.0
29.00000	100.00000	46.00000	0.11802	45.958	0.0	0.0	0.0
30.00000	100.00000	46.00000	0.11653	45.958	0.0	0.0	0.0
31.00000	100.00000	46.00000	0.11490	45.958	0.0	0.0	0.0
32.00000	100.00000	46.00000	0.11314	45.958	0.0	0.0	0.0
33.00000	100.00000	46.00000	0.11126	45.958	0.0	0.0	0.0
34.00000	100.00000	46.00000	0.10927	45.958	0.0	0.0	0.0
35.00000	100.00000	46.00000	0.10719	45.958	0.0	0.0	0.0
36.00000	100.00000	46.00000	0.10504	45.958	0.0	0.0	0.0
37.00000	100.00000	46.00000	0.10283	45.958	0.0	0.0	0.0
38.00000	100.00000	46.00000	0.10057	45.958	0.0	0.0	0.0
39.00000	100.00000	46.00000	0.098267	45.958	0.0	0.0	0.0
40.00000	100.00000	46.00000	0.095940	45.958	0.0	0.0	0.0
41.00000	100.00000	46.00000	0.093598	45.958	0.0	0.0	0.0 !
42.00000	100.00000	46.00000	0.091248	45.958	0.0	0.0	0.0 !
43.00000	100.00000	46.00000	0.088900	45.958	0.0	0.0	0.0 !
44.00000	100.00000	46.00000	0.086562	45.958	0.0	0.0	0.0 !
45.00000	100.00000	46.00000	0.084239	45.958	0.0	0.0	0.0 !
46.00000	100.00000	46.00000	0.081940	45.958	0.0	0.0	0.0 !
47.00000	100.00000	46.00000	0.079667	45.958	0.0	0.0	0.0 !
48.00000	100.00000	46.00000	0.077427	45.958	0.0	0.0	0.0 !
49.00000	100.00000	46.00000	0.075223	45.958	0.0	0.0	0.0 !
50.00000	100.00000	46.00000	0.073059	45.958	0.0	0.0	0.0 !

Flats 15.12350	63.30000	42.33000	1.2032	39.336	28.074	4.7057	658.97E-6
16.09022	63.30000	42.33000	-2.4955	39.336	-13.738	-37.222	-33.074E-6
17.05693	63.30000	42.33000	-2.7367	39.336	-20.419	-44.943	-135.19E-6
18.02365	63.30000	42.33000	-2.5790	39.336	-20.730	-42.861	-160.18E-6
18.99037	63.30000	42.33000	-2.0898	39.336	-17.289	-37.148	-121.99E-6
19.95708	63.30000	42.33000	-1.4285	39.336	-11.931	-29.839	-49.354E-6
20.92380	63.30000	42.33000	-0.86030	39.336	-7.1078	-22.798	12.220E-6
21.89052	63.30000	42.33000	-0.49430	39.336	-3.9368	-17.119	43.997E-6
22.85723	63.30000	42.33000	-0.28488	39.336	-2.1654	-12.940	53.401E-6
23.82395	63.30000	42.33000	-0.16198	39.336	-1.2270	-9.9542	51.988E-6
24.79067	63.30000	42.33000	-0.082571	39.336	-0.72560	-7.8141	46.719E-6
25.75738	63.30000	42.33000	-0.026243	39.336	-0.44825	-6.2540	40.685E-6
26.72410	63.30000	42.33000	0.016170	39.336	-0.28828	-5.0927	35.038E-6
27.69082	63.30000	42.33000	0.049037	39.336	-0.19212	-4.2103	30.116E-6
28.65753	63.30000	42.33000	0.074746	39.336	-0.13210	-3.5270	25.945E-6
29.62425	63.30000	42.33000	0.094814	39.336	-0.093343	-2.9886	22.447E-6
30.59097	63.30000	42.33000	0.11034	39.336	-0.067556	-2.5580	19.519E-6
31.55768	63.30000	42.33000	0.12215	39.336	-0.049937	-2.2088	17.064E-6
32.52440	63.30000	42.33000	0.13093	39.336	-0.037610	-1.9223	14.996E-6
33.49112	63.30000	42.33000	0.13723	39.336	-0.028802	-1.6847	13.245E-6
34.45783	63.30000	42.33000	0.14149	39.336	-0.022389	-1.4857	11.756E-6
35.42455	63.30000	42.33000	0.14408	39.336	-0.017638	-1.3176	10.481E-6
36.39127	63.30000	42.33000	0.14531	39.336	-0.014065	-1.1746	9.3847E-6

37.35798	63.30000	42.33000	0.14544	39.336	-0.011339	-1.0520	8.4363E-6	
38.32470	63.30000	42.33000	0.14467	39.336	-0.0092329	-0.94620	7.6120E-6	
39.29142	63.30000	42.33000	0.14318	39.336	-0.0075868	-0.85440	6.8922E-6	
40.25813	63.30000	42.33000	0.14111	39.336	-0.0062862	-0.77431	6.2607E-6	!
41.22485	63.30000	42.33000	0.13860	39.336	-0.0052486	-0.70409	5.7045E-6	!
42.19157	63.30000	42.33000	0.13573	39.336	-0.0044132	-0.64223	5.2127E-6	!
43.15828	63.30000	42.33000	0.13260	39.336	-0.0037350	-0.58751	4.7761E-6	!
44.12500	63.30000	42.33000	0.12927	39.336	-0.0031801	-0.53891	4.3871E-6	!
Flats underpin	13.12400	63.30000	40.20000	-4.8572	37.560	-53.030	-117.34	-281.93E-6
	14.12400	63.30000	40.20000	-2.7750	37.560	-26.792	-85.250	32.908E-6
	15.12400	63.30000	40.20000	-1.7804	37.560	-13.975	-63.265	144.11E-6
Single storey	14.16550	77.80000	45.15000	-3.2843	41.663	-0.010421	-0.95993	11.286E-6
	15.16552	77.80000	45.15000	-2.5152	41.663	-0.012325	-1.0585	12.415E-6
	16.16553	77.80000	45.15000	-1.8603	41.663	-0.013822	-1.1313	13.245E-6
	17.16555	77.80000	45.15000	-1.3515	41.663	-0.014539	-1.1652	13.631E-6
	18.16557	77.80000	45.15000	-0.97681	41.663	-0.014273	-1.1531	13.493E-6
	19.16558	77.80000	45.15000	-0.70610	41.663	-0.013065	-1.0966	12.851E-6
	20.16560	77.80000	45.15000	-0.50963	41.663	-0.011193	-1.0056	11.813E-6
	21.16562	77.80000	45.15000	-0.36437	41.663	-0.0090590	-0.89453	10.541E-6
	22.16563	77.80000	45.15000	-0.25441	41.663	-0.0070308	-0.77799	9.1988E-6
	23.16565	77.80000	45.15000	-0.16930	41.663	-0.0053213	-0.66689	7.9109E-6
	24.16567	77.80000	45.15000	-0.10234	41.663	-0.0039870	-0.56727	6.7489E-6
	25.16568	77.80000	45.15000	-0.049132	41.663	-0.0029900	-0.48127	5.7400E-6
	26.16570	77.80000	45.15000	-0.0066683	41.663	-0.0022603	-0.40862	4.8837E-6
	27.16572	77.80000	45.15000	0.027218	41.663	-0.0017291	-0.34796	4.1658E-6
	28.16573	77.80000	45.15000	0.054166	41.663	-0.0013409	-0.29754	3.5672E-6
	29.16575	77.80000	45.15000	0.075460	41.663	-0.0010546	-0.25566	3.0687E-6
	30.16577	77.80000	45.15000	0.092127	41.663	-840.93E-6	-0.22082	2.6530E-6
	31.16578	77.80000	45.15000	0.10499	41.663	-679.37E-6	-0.19173	2.3054E-6
	32.16580	77.80000	45.15000	0.11474	41.663	-555.53E-6	-0.16734	2.0135E-6
	33.16582	77.80000	45.15000	0.12192	41.663	-459.34E-6	-0.14679	1.7672E-6
	34.16583	77.80000	45.15000	0.12699	41.663	-383.66E-6	-0.12939	1.5586E-6
	35.16585	77.80000	45.15000	0.13033	41.663	-323.39E-6	-0.11459	1.3808E-6
	36.16587	77.80000	45.15000	0.13224	41.663	-274.84E-6	-0.10193	1.2287E-6
	37.16588	77.80000	45.15000	0.13300	41.663	-235.32E-6	-0.091045	1.0979E-6
	38.16590	77.80000	45.15000	0.13281	41.663	-202.85E-6	-0.081647	0.0
	39.16592	77.80000	45.15000	0.13186	41.663	-175.91E-6	-0.073494	0.0
	40.16593	77.80000	45.15000	0.13030	41.663	-153.39E-6	-0.066388	0.0 !
	41.16595	77.80000	45.15000	0.12825	41.663	-134.42E-6	-0.060169	0.0 !
	42.16597	77.80000	45.15000	0.12582	41.663	-118.33E-6	-0.054704	0.0 !
	43.16598	77.80000	45.15000	0.12309	41.663	-104.60E-6	-0.049883	0.0 !
	44.16600	77.80000	45.15000	0.12014	41.663	-92.808E-6	-0.045615	0.0 !

END\_TABLE

! Point lies outside soil zones. Results calculated for this point assume a soil zone with properties of the first soil profile.



## APPENDIX 3

### Soil Consultants Ground Investigation Report

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## **GROUND INVESTIGATION REPORT**

**Proposed construction at:**

**BARRIE HOUSE, 29 ST EDMUND'S TERRACE, LONDON NW8 7QH**



**Client - Robert Morley, Kalemminster Ltd  
The Old Barn, Ox Lane, Tenterden, Kent TN30 6NG**

**Engineer - Structure Mode Ltd  
8a Peacock Yard, Iliffe Street, London SE17 3LH**

**Report Ref - 9241/OT/JRCB**

**Date - 07 November 2012**

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### **APPENDIX –**

#### Historical information

- Ove Arup & Partners, Trial Pit Report Ref. G.M.M./TJS/11166
- John Burland [Imperial College], 15 April 1982
- Trial pit information, March 2011

#### Fieldwork and in situ testing

- Foreword to cable percussion boring
- Cable percussion borehole record
- Foreword to window sample boring
- Window sample borehole records
- Standard Penetration Test results
- Hand vane test results
- Pocket penetrometer test results

#### Laboratory testing

- Moisture content and Atterberg limit test results
- Plasticity Charts
- Undrained triaxial test results
- Consolidated undrained triaxial test with pore water measurement results [K4 soils]
- p-q plot

#### Plans & drawings

- Site plan
- Location map

## **1.0 INTRODUCTION**

A ground investigation has been carried out by Soil Consultants Ltd in connection with the proposed construction of a penthouse on the roof of Barrie House, London.

The investigation, undertaken in September 2012, aimed to establish the underlying geology and ground/groundwater conditions, in order to provide an assessment on the performance of the foundations under both the existing and proposed increased loadings associated with the proposed construction.

This report presents the results of the ground investigation. The ground conditions encountered are then described and our assessment of the performance of the foundations is provided.

This Report has been prepared for the benefit of the Client and associated parties directly involved with the design and construction of the project under direction of the Client. No reliance can be assumed by others without written agreement from Soil Consultants Limited.

## **2.0 SITE DESCRIPTION AND BACKGROUND**

Barrie House is an 8-storey detached residential block located in north London at approximate National Grid Reference 527495E, 183575N.

The appended Site Plan shows the main site features. The current building was constructed in the 1950s and contains a single-storey basement beneath part of its footprint. Vehicular access is from St Edmund's Terrace [west of the building] leading to a paved parking area to the north of the building.

The building is located in a central position within the grounds and is surrounded by landscaped gardens containing a large number of deciduous trees, mainly within a wooded area to the east of the building, along with several trees to the south and west of the building. Several large stumps were noted south of the building indicating the presence of former trees in close proximity to the building. Grassed areas and shrubs/flower beds are also present to the south and west of the building.

The ground generally slopes from east to west and north to south. The highest point is in the north-eastern corner [about +48.6m OD] and the lowest is in the south-west corner [about +42.0m OD].

The proposals are to construct a new penthouse on the roof of the building which will increase loads on the existing [pad] foundations by around 9%. In 1982, when a similar scheme was proposed, John Burland of Imperial College issued a letter [appended] providing advice on the

foundation performance, based on information obtained from short report by Ove Arup [only partial records available] and on several assumptions as to the clay properties. Burland assessed the performance of one strip footing at basement level and concluded that the available bearing capacity factor of safety may be too low to allow the proposed construction to proceed. He also concluded that a drained bearing capacity analysis would be the most appropriate in order to assess the existing factor of safety of the foundations, as the building was constructed in the 1950s and consolidation [and hence strength increase] of the clay will have taken place. Burland attributed the observed increased basement settlement, to a large extent, on the high bearing pressures and low factors of safety in this area. However, he stated that if a detailed soils investigation were carried out to provide additional effective stress parameters, it is possible that the assumed drained strength parameters [and the factor of safety] could be upgraded.

We understand that following Burland's report, and potential evidence of foundation cracks revealed by Ove Arup, the local authority did not approve the proposed scheme until such time that further information was obtained to allay their concerns that the foundations could accommodate the increased stresses due to construction.

A further trial pit investigation was undertaken [by others] in 2011 to determine foundation dimensions in several areas [see Appendix].

### **3.0 GROUND INVESTIGATION**

The exploratory work by Soil Consultants Ltd was undertaken on 13 & 17 September 2012. The investigation comprised the elements detailed below and exploratory records/laboratory test results are included in the Appendix. A Site Plan which shows the exploratory locations is also appended.

#### *Trial pitting and coring*

In consultation with the Engineers, 3no pad foundation positions were identified for exposure by hand pitting. This was followed by formation of a 75mm diameter hole through each pad to allow a measurement of the depth of the foundations and to facilitate sampling and testing of the underlying soils by means of window sampling. These positions are identified as TP1 to TP3 on the Site Plan.

#### *Window sample boreholes*

3no window sample boreholes [WS1 to WS3] were constructed, either through the cored hole [WS1 & WS3] or, where not possible, from the edge of the pad [WS2], terminating within the competent natural strata at a maximum depth of 5.0m. These boreholes were constructed by driving in 1m or 2m long steel sample tubes containing cut out [windows] that enabled the soil to be examined, tested and sub-sampled. The boreholes commenced using 60mm diameter tube with succeeding tubes reducing usually by about 10mm in diameter to assist the extraction of the tube from the

ground. A near-continuous soil profile was provided by this system, which was logged by our senior geotechnical engineer and sub-sampled for laboratory testing.

#### Cable percussion borehole

A 150mm diameter cable percussion borehole [BH1] was constructed in the car park area to 7.5m depth, terminating within the natural clay strata. In situ Standard Penetration Tests were undertaken at regular intervals and representative disturbed and undisturbed samples collected for description and laboratory testing.

#### Field testing

Standard Penetration Tests [SPT] were undertaken at 1m intervals in BH1 and both Hand Shear Vane and Pocket Penetrometer tests were undertaken in the window samples to provide information on the shear strength of the soils. In addition, we attempted to undertake U38 samples at each pad location but this was not possible due to the presence of water in the coreholes and the relatively high clay strength.

#### Installations

19mm ID standpipes were installed in Boreholes WS1 & WS2 to 5.0m depth in order to facilitate groundwater monitoring in the period following the investigation.

#### Laboratory testing

All samples collected from the boreholes and trial pits were taken to our laboratory for Index Property [moisture content and Atterberg limit] testing.

In addition, 3no 'undisturbed' soil samples were tested by a specialist laboratory [K4 Soils] for effective stress parameters [using consolidated undrained triaxial testing with pore water pressure measurement].

## **4.0 GROUND CONDITIONS**

Published BGS information indicates that the site is underlain by the London Clay Formation, which is shown to extend to >50m depth in the general area.

Our interpretation of the strata encountered in our investigation is summarised below:

### **4.1 Made Ground**

Made ground was present above all foundation pads, generally comprising a topsoil layer followed by brown clay with occasional to some building rubble [mostly concrete and brick]. Borehole WS2, constructed immediately in front of a foundation pad, encountered [from the level of the top of the pad at 1.1m depth] a 1m thick layer of soft to firm brown clay with occasional flint gravel and dark brown sand and silt lenses. Borehole BH1, constructed in the car park area, encountered a 0.5m thick layer of made ground initially comprising asphalt surfacing followed by grey/black mixture of

ashy sand with asphalt, clinker and flint gravel; below about 0.35m becoming grey/brown clay with some ash and clinker. Occasional roots were also present.

## 4.2 London Clay

The London Clay was encountered beneath the made ground [in BH1 & WS2] or directly below the foundation concrete [in WS1 to WS3], to the full depth of the investigation [7.5m maximum in BH1]. The stratum generally comprised brown [weathered] mottled orange clay with occasional grey gleying and scattered selenite crystals. With depth the clay gradually became more uniformly brown with occasional grey gleying and fissuring. Occasional silty clay zones and silt partings were also present. Roots were not observed beneath the foundation pads.

The vast majority of Atterberg limit test results [see Appendix] classify the London Clay as a very high plasticity material, which is typical of this stratum. A high volume change potential is applicable to the London Clay with reference to NHBC Standards, Chapter 4.2 'Building near trees'.

Undrained shear strength results obtained in the field using hand shear vane apparatus [see plot in Appendix] show a gradual increase in strength with depth. Initially, in the top section of clay below the footings, WS3 had the highest strengths recorded and WS2 generally the lowest [bearing in mind this window sample was drilled from the edge rather than beneath the footing]. Below about 3.0m to 3.5m the strengths generally converge in all window sample boreholes. Within the range of 2B/3, usually taken as the depth for bearing capacity calculations, the mean shear strength obtained [at about 3.0m to 3.5m] is of the order of 80kN/m<sup>2</sup> to 85kN/m<sup>2</sup>.

Pocket penetrometer testing showed a generally similar strength profile to that obtained by the hand vane. At 3.0m to 3.5m depth [after applying a typical London Clay factor of 35] the estimated clay undrained shear strength is about 80kN/m<sup>2</sup>.

Although the clay in WS3 had the highest shear strengths initially [to about 3.0m depth], which is often associated with clay desiccation, moisture content profiling shows very uniform results in all three window sample boreholes, which, together with the lack of obvious roots, indicate that the clay in WS3 is naturally stiffer initially, but this is probably not caused by desiccation. Based on the shear strength and moisture content results from our investigation, clay desiccation does not appear to be present at the investigated locations/depths and the current foundation depths [about 1.6m to 2.1m at the investigated locations] provide sufficient protection against desiccation for the current size/species of trees currently present at the site. However, there are many large trees present and clay desiccation issues may be present elsewhere, particularly if shallower footings are present.

Future tree growth should also be considered and the various trees should be identified by an arboriculturalist to determine potential future growth and potential root penetration. If the combination of tree species, distance from the foundations and foundation depths indicate that clay

desiccation may be issue [with reference to NHBC Chapter 4.2 'Building near trees'] then remedial measures [such as underpinning or tree pruning] may be warranted.

SPT results and an undrained triaxial test in BH1 indicate a 'soft' consistency initially, becoming firm and then stiff with depth.

Effective stress shear strength tests were undertaken by a specialist laboratory [K4 Soils] on 'undisturbed' U100 samples collected from BH1. 3no samples were tested [depth range 3.0m to 7.0m depth] to determine the effective stress parameters [ $c'$  - cohesion and  $\phi'$  - angle of friction]. Multistage consolidated undrained triaxial tests with measurement of pore water pressure were undertaken and the test results are appended. The results for the sample at 4.0m depth were abnormally low compared to the anticipated peak values [as obtained in the other two tests]. This is likely to be explained by the fissured nature of this sample [the laboratory indicated that the fissures at an angle of 45°, and the fissures are highly stained with blue grey mottling, with some indication of slight polishing (slickenside), which would result in near residual/residual shear strengths]. Consequently, the results from this sample were ignored when deriving the 'typical value' used for the analysis work and the parameters used in our analysis were based on a summary 'p-q' plot using a 'best fit' line which gave  $c'=10.5\text{kN/m}^2$  and  $\phi'=23.5^\circ$ .

### 4.3 Groundwater

With the exception of standing water at 1.4m depth in WS1, groundwater was not observed in the boreholes during our investigation. Standpipes were installed in WS1 and WS2 to allow for subsequent monitoring which was undertaken on 15 October 2012. Water was measured in both installations, at 0.95m depth in WS1 and at 3.50m depth in WS2, which compares with end of drilling depths of 1.40m depth in WS1 and a dry installation [ie >5.0m depth] in WS2.

## 5.0 DISCUSSION

The proposals are to construct a new 2-storey penthouse on the roof of the existing 8-storey block of flats. The building is supported by pad foundations bearing on the London Clay stratum. Information from the structural engineers indicates associated increased foundation loads of about 9%.

In 1982, John Burland of Imperial College provided advice with respect to the foundation performance at Barrie House, based on information provided by Ove Arup [not currently available]. His estimate of the short term [undrained] factor of safety of one of the basement strip foundations he had analysed ranged between 1.7 [for a mean clay shear strength ( $c_u$ ) of 60kN/m<sup>2</sup>] and 2.2 [for  $c_u=80\text{kN/m}^2$ ], indicating that the foundations are "highly stressed". However, as the building was constructed in the 1950s and consolidation [and hence strength increase] of the clay will have taken place, a long-term drained analysis [based on assumed parameters  $c'=10\text{kN/m}^2$ ,  $\phi'=22^\circ$ ] was considered applicable, which resulted in a higher calculated factor of safety of 2.45. This



suggested a slight improvement in stability of the foundations due to consolidation of the clay. Burland concluded that if a detailed soils investigation were carried out, it is possible that the assumed drained strength parameters [and the factor of safety] could be upgraded. Reported increased basement foundation settlement was attributed [by John Burland] to a large extent on the high bearing pressures and low factors of safety in this area.

Our investigation aimed to provide representative soil samples from the site [including directly beneath the existing foundations] to establish more clearly the strength parameters of the clay so that both drained and undrained analyses could be undertaken to enable a more thorough estimate of the foundation stability.

### 5.1 Undrained Analysis

As discussed above in Section 4.2, our investigation provided detailed undrained strength information for the London Clay within the zone of influence from three of the existing corner pad foundations. We concur with John Burland’s assessment that the applicable depth for bearing capacity calculation would be  $2B/3$ , equating to about 3m depth. Based on our test results we consider that the applicable  $c_u$  value at this depth for analysis should be taken as  $80\text{kN/m}^2$ .

Based on this result, and information provided by StructureMode, we have assessed the undrained bearing capacity and factor of safety of the foundation locations detailed in Table 1 below. The bearing capacity factors of safety were assessed both for the existing situation. It is noted that there is some ambiguity as to some of the foundation pad sizes, with the reported sizes not always in agreement with the as-built drawings. It is also noteworthy that the structural engineers have calculated the pressure for the foundation analysed by Burland as  $232\text{kN/m}^2$ , which is some 14% lower than the pressure he used for the analysis in 1982.

**Table 1 – Undrained analysis for selected stip/pad foundations [existing situation]**

<b>Location</b>	<b>Foundation dimensions [m]</b>	<b>Current foundation pressure [kN/m<sup>2</sup>]</b>	<b>Calculated FoS for current pressures</b>	<b>Comments</b>
Strip foundation for basement wall [analysed by Burland, 1982]	1.73 x 9.35 [1.80m depth]	232	2.60	Original Burland calculation was for foundation pressure of $270\text{kN/m}^2$ which gave $\text{FoS}=2.20$
WS1 [TH2 in Mar 2011 report]	1.60 x 1.86 [1.75m depth]	212	3.30	
WS2 [TH1 in Mar 2011 report]	1.85 x 2.40 [2.1m depth]	184	4.10	
WS2 [TH1 in Mar 2011 report]	1.40 x 1.40 [2.1m depth]	323	2.30	
WS3 [TH3 in Mar 2011 report]	1.60 x 1.86 [1.62m depth]	212	3.30	

The new construction will impose foundation loads more quickly than the rate of consolidation and thus the undrained situation will apply again in the short-term. Table 2 below presents the reduction in the factor of safety for each case based on the increased foundation pressures, and the final predicted factor of safety at the end of construction.

<b>Table 2 – Effect of increased foundation pressures due to construction on selected strip/pad foundations [undrained case]</b>				
<b>Location</b>	<b>Foundation dimensions [m]</b>	<b>Increase in foundation pressure due to proposed construction [kN/m<sup>2</sup>]</b>	<b>Predicted end of construction FoS</b>	<b>Reduction in FoS due to construction [compared with Table 1]</b>
Strip foundation for basement wall [analysed by Burland, 1982]	1.73 x 9.35 [1.80m depth]	20	2.3	0.3
WS1 [TH2 in Mar 2011 report]	1.60 x 1.86 [1.75m depth]	20	3.0	0.3
WS2 [TH1 in Mar 2011 report]	1.85 x 2.40 [2.1m depth]	16	3.7	0.4
WS2 [TH1 in Mar 2011 report]	1.40 x 1.40 [2.1m depth]	30	2.1	0.2
WS3 [TH3 in Mar 2011 report]	1.60 x 1.86 [1.62m depth]	20	3.0	0.3

Note:  $c'$  is in kN/m<sup>2</sup>

From Table 2 it is apparent that the majority of assessed factors of safety following construction range between about 2.3 and 3.7 for the various footings, although the 1.4m square footing provides a lower factor of safety of 2.1.

## 5.2 Drained Analysis

Drained analysis is applicable to the long-term scenario, where the clay skeleton has adjusted to the imposed loads due to construction by a process of consolidation. This is a process by which soils decrease in volume due to expulsion of water under long term static loads. It occurs when stress is applied to a soil that causes the soil particles to pack together more tightly, therefore reducing its bulk volume, and increasing in strength.

Given the time that has passed since the original construction of Barrie House [about 54 years] it is reasonable to assume that the clay has undergone full consolidation and these calculations are therefore considered to represent more accurately the current state. The results, using the industry standard Meyerhof equation, are presented in Table 3 below. Information on the foundation sizes and pressures was provided by StructureMode and the angle of friction [ $\phi'$ =23°] and cohesion [ $c'$ =10kN/m<sup>2</sup>] were based on our assessment of the laboratory test results we have obtained on samples from BH1.

**Table 3 – Drained analysis for selected strip/pad foundations [existing situation]**

Location	Foundation dimensions [m]	Current foundation pressure [kN/m <sup>2</sup> ]	Calculated FoS for current pressures	Difference in FoS compared with undrained FoS	Comments
Strip foundation for basement wall [analysed by Burland, 1982]	1.73 x 9.35 [1.80m depth]	232	3.15 [c'=10] 2.60 [c'=5]	+0.55 [c'=10] 0.0 [c'=5]	Original Burland calculation was for foundation pressure of 270kN/m <sup>2</sup> and c'=10kN/m <sup>2</sup> , φ'=22° which gave FoS=2.45 0° ground inclination
WS1 [TH2 in Mar 2011 report]	1.60 x 1.86 [1.75m depth]	212	3.10 [c'=10] 2.40 [c'=5]	-0.20 [c'=10] -0.90 [c'=5]	Water level taken at 1.0m depth 5° ground inclination
WS2 [TH1 in Mar 2011 report]	1.85 x 2.40 [2.1m depth]	184	4.10 [c'=10] 3.30 [c'=5]	+0.00 [c'=10] -0.80 [c'=5]	7.5° ground inclination
WS2 [TH1 in Mar 2011 report]	1.40 x 1.40 [2.1m depth]	323	2.55 [c'=10] 2.00 [c'=5]	+0.25 [c'=10] -0.30 [c'=5]	7.5° ground inclination
WS3 [TH3 in Mar 2011 report]	1.60 x 1.86 [1.62m depth]	212	3.90 [c'=10] 3.10 [c'=5]	+0.60 [c'=10] -0.20 [c'=5]	0° ground inclination [ground slopes towards the building]

Note: φ'=23° was used in our calculations; c' is in kN/m<sup>2</sup>

The above results include a sensitivity analysis using a reduced c'=5kN/m<sup>2</sup>, and the resulting reduction in factor of safety was between about 18% and 23% [compared with the same analysis using c'=10kN/m<sup>2</sup>]. In all cases the lower c' resulted in a factor of safety equal to or below that obtained in the undrained analysis.

Based on the Table 3 results it is apparent that in most cases, when using the results from our effective stress triaxial tests [c'=10kN/m<sup>2</sup> φ'=23°] the drained analysis shows a small increase in the bearing pressure factors of safety compared with the undrained case. The ground inclination, which is not a factor considered in the undrained analysis, has a major influence in reducing the factors of safety obtained, particularly in the area of WS2. Nevertheless, all results with c'=10kN/m<sup>2</sup> are in excess of 2.5 [reducing to a minimum of 2.0 when using c'=5kN/m<sup>2</sup>].

In the long-term following construction, the drained situation will again apply, and the factors of safety obtained with the increased construction loads are shown in Table 4 below:

**Table 4 – Effect of increased foundation pressures due to construction on selected strip/pad foundations [drained case]**

<b>Location</b>	<b>Foundation dimensions [m]</b>	<b>Increase in foundation pressure due to proposed construction [kN/m<sup>2</sup>]</b>	<b>Predicted end of construction FoS</b>	<b>Reduction in FoS due to construction [compared with Table 3]</b>
Strip foundation for basement wall [analysed by Burland, 1982]	1.73 x 9.35 [1.80m depth]	20	2.90 [c'=10] 2.40 [c'=5]	0.25 0.40
WS1 [TH2 in Mar 2011 report]	1.60 x 1.86 [1.75m depth]	20	2.85 [c'=10] 2.15 [c'=5]	0.25 0.25
WS2 [TH1 in Mar 2011 report]	1.85 x 2.40 [2.1m depth]	16	3.80 [c'=10] 3.05 [c'=5]	0.30 0.25
WS2 [TH1 in Mar 2011 report]	1.40 x 1.40 [2.1m depth]	30	2.35 [c'=10] 1.85 [c'=5]	0.20 0.15
WS3 [TH3 in Mar 2011 report]	1.60 x 1.86 [1.62m depth]	20	3.55 [c'=10] 2.85 [c'=5]	0.35 0.25

Note: c' is in kN/m<sup>2</sup>

From Table 4 it is apparent that the long-term factors of safety following construction range between about 2.3 and 3.8 for the various footings. With a lower assumed c' of 5kN/m<sup>2</sup> the factors of safety fall to range between about 2.1 and 2.8 [with the 1.4m square footing giving a factor of safety of about 1.8].

### 5.3 Predicted Settlements

The predicted settlements under the additional imposed structural loads associated with the new penthouse construction are shown in Table 5 below. These have been calculated to be less than 5mm for all the foundation/load cases analysed, without exception.

**Table 5 – Predicted settlements for selected strip/pad foundations**

<b>Location</b>	<b>Foundation dimensions [m]</b>	<b>Increase in foundation pressure [kN/m<sup>2</sup>]</b>	<b>Predicted settlements [mm]</b>
Burland analysis of strip foundation for basement wall	1.73 x 9.35 [1.80m depth]	20	<5mm
WS1 [TH2 in Mar 2011 report]	1.60 x 1.86 [1.75m depth]	20	<5mm
WS2 [TH1 in Mar 2011 report]	1.85 x 2.40 [2.1m depth]	16	<5mm
WS2 [TH1 in Mar 2011 report]	1.40 x 1.40 [2.1m depth]	30	<5mm
WS3 [TH3 in Mar 2011 report]	1.60 x 1.86 [1.62m depth]	20	<5mm

#### 5.4 Slope stability

The site slopes down from the north-east to the south-west, with the slope steepest [about 1v:5h or 11.3°] to the west/south-west of the apartment block. Using the Bishop & Morgenstern stability charts with  $c'=0\text{kN/m}^2$  and  $\phi'=23^\circ$  and a water pressure coefficient  $r_u$  of 0.3 [considered a conservative value] results in a factor of safety of 1.45, indicating that the overall stability of the slope should be acceptable. During our fieldwork we have observed some cracking in the pavement and some uneven ground in this part of the site, however, these are consistent with shallow soil creep and movement due to tree roots. We have not observed any indicators of significant deep-seated failure that may have an adverse impact on the performance of the foundations.

#### 5.5 Summary and recommendations

Overall, we consider that the calculations undertaken demonstrate that in all but one of the cases, the soils beneath the site are sufficiently competent to allow for the proposed construction stresses to be safely accommodated by the existing foundations without the general need for modification. Based on our investigation and analysis, the end of construction factors of safety were found to be in all but one of the cases, in excess of 2.1. Although it is normal to use factors of safety of about 2.5 to 3.0 in bearing capacity cases, we consider that sufficient confidence in the soil sequence and properties has been obtained by our investigation to allow a lower factor of safety of 2.0 to be used.

A sensitivity analysis, with a reduced  $c'$ , however, decreases the factors of safety to 1.85 for the 1.4m square footing in the area of WS1. This footing is the most highly stressed element that we have analysed with an applied pressure of  $350\text{kN/m}^2$ . We consider that this foundation and any others that are similarly loaded should be underpinned or modified to provide additional capacity.

The proposed construction should result in a small amount of foundation settlement [ $<5\text{mm}$ ], which is likely to be acceptable.

We have not observed any signs of clay desiccation in our boreholes, however, a full tree survey should be undertaken following which the potential impact on the foundations due to desiccation should be assessed and remedial action undertaken if necessary. Future tree planting must also be carefully planned with reference to NHBC Chapter 4.2 'Building near trees' to ensure that potential clay desiccation issues are avoided.

We have not observed obvious signs of slope instability at this site and from a preliminary visual assessment we consider that some superficial creep/root disturbance is apparent in the area to the west of Barrie House. Given the depths of foundations in this area of the site we do not consider that slope movement is a significant factor affecting foundation performance. Furthermore, the high groundwater in WS1, indicative of a possible leaking drain/pipe, does not appear to have softened the clay beneath the pad foundation in this area.

Our analysis of the foundation stability is based on industry-standard bearing capacity theory. It should be noted that the calculated stability can be very sensitive to foundation geometry, slope geometry and soil parameters. We assume that the most critical combinations of load/foundation geometry have been assessed, and no structural defects or any other issues not covered in this report, that have a significant bearing on foundation performance, are present. On this basis we consider that the proposed construction should be acceptable. It will, however, be of critical importance to devise a monitoring schedule during and following construction to ensure that any movements are within an acceptable range. If any further information comes to light on foundation sizes/depths this should be assessed to ensure that a sufficient factor of safety exists.



## **APPENDIX –**

### Historical information

- Ove Arup & Partners, Trial Pit Report Ref. G.M.M./TJS/11166
- John Burland [Imperial College], 15 April 1982
- Trial pit information, March 2011

### Fieldwork and in situ testing

- Foreword to cable percussion boring
- Cable percussion borehole record
- Foreword to window sample boring
- Window sample borehole records
- Standard Penetration Test results
- Hand vane test results
- Pocket penetrometer test results

### Laboratory testing

- Moisture content and Atterberg limit test results
- Plasticity Charts
- Undrained triaxial test results
- Consolidated undrained triaxial test with pore water measurement results [K4 soils]
- p-q plot

### Plans & drawings

- Site plan
- Location map

OVE ARUP & PARTNERS

BARRIE HOUSE  
29 ST. EDMUNDS TERRACE, N.W.5

TRIAL PIT REPORT

OVE ARUP AND PARTNERS  
G.M.M./TJS/11166



1. General

Barrie House is an eight storey block of flats constructed in 1958. It is a brick clad insitu concrete framed building constructed on strip and pad foundations.

The original calculations and structural drawings by Felix J. Samuelly are available and at present in our possession.

In order to comment on the feasibility of constructing a penthouse on the existing roof, the district surveyor insisted that Ove Arup arrange for a trial pit to be dug, in order that the "As built" foundations could be compared to the "As drawn" foundations.

This Trial pit was completed and inspected on August 26th by Ove Arup and Partners and Mr. Baines of the district surveyors office.

2. TRIAL PIT RECORD

The trial pit was dug adjacent to column No. 16.  
See 629/1 for location.

The concrete base measured 8'- 0" in one direction  
by 7'- 8" in the opposite direction. Dimensions  
and levels etc. were recorded on 11166 TP 01.

There were many fibrous free roots in the top  
900mm of the trial pit but none below that level.

The trial pit instantly filled with water to the  
level shown on 11166 TP 01 and prevented the  
contractor from determining the underside level  
of the foundation.

The soil at the level of the water table was  
Brown London Clay.

3. Original Foundation Specification

Drawing 629/5 details the foundation to col. 16 as 7'- 3" square but does not specify the underside level.

This is compared to 8'- 0" by 7'- 8" as constructed.

There is on calculation page D.3 an assumed ground bearing pressure of 2 ton per sq. ft.

It was not possible to check this because the base level was under water.

4. District Surveyors Comments

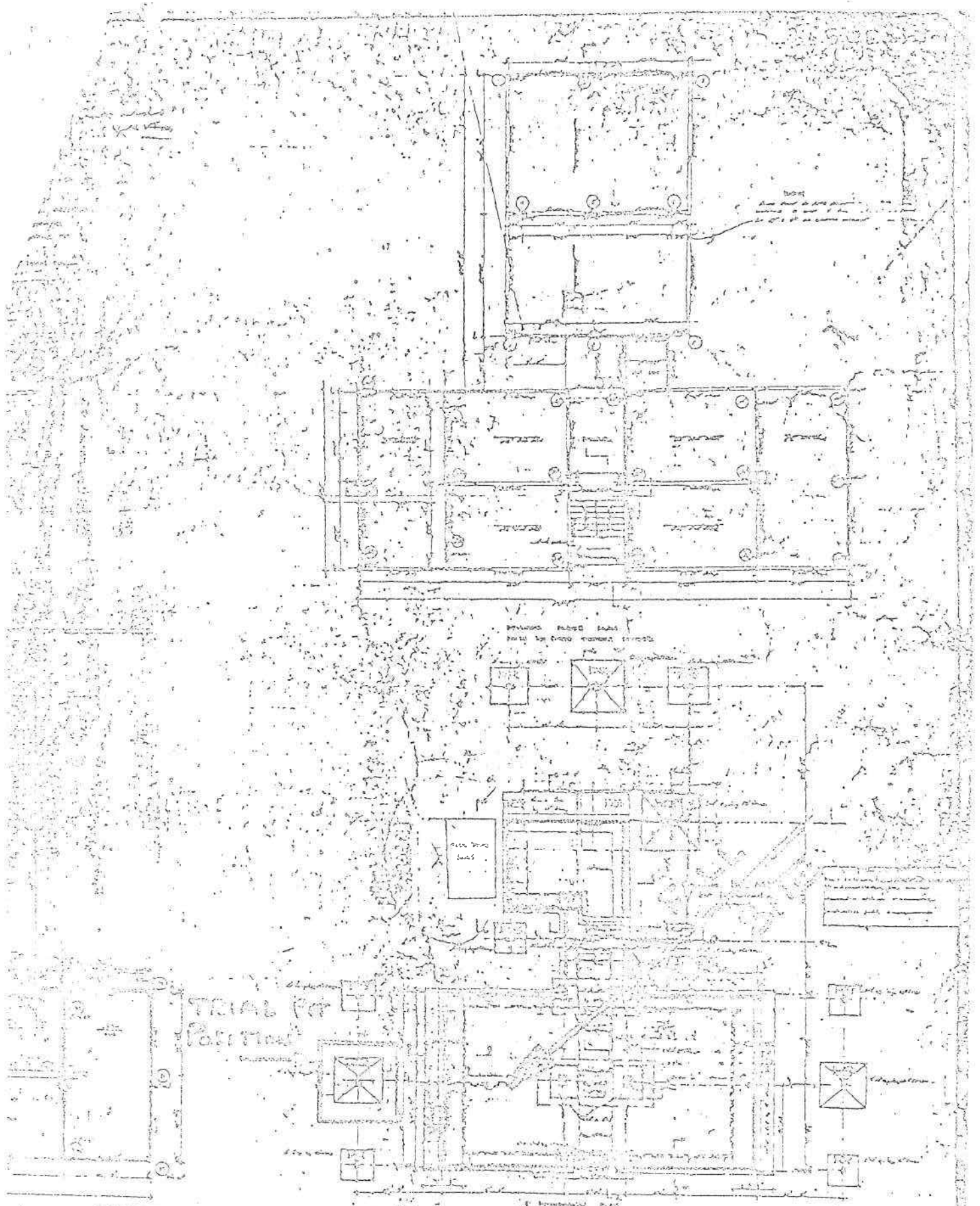
The district surveyor pointed out two minor cracks in the ground beam at columns 11 and 23. This is a point at which the building basement line ends.

He stated that in view of the following points:-

- a) The cracks mentioned above.
- b) The prolific tree roots in the trial pit.
- c) The water in the trial pit.
- d) The slope of the site.

he would not permit extra load to be added to the building unless the following points were settled:-

- a) The cause of the cracking in the ground beam. ← ERE
- b) That the clay slope was stable. ← SALS



NO.	DATE	REVISION	BY
1	1910	Original design	J. H. [unclear]
2	1911	Revised design	J. H. [unclear]
3	1912	Final design	J. H. [unclear]
4	1913	As built	J. H. [unclear]
5	1914	As built	J. H. [unclear]
6	1915	As built	J. H. [unclear]
7	1916	As built	J. H. [unclear]
8	1917	As built	J. H. [unclear]
9	1918	As built	J. H. [unclear]
10	1919	As built	J. H. [unclear]
11	1920	As built	J. H. [unclear]
12	1921	As built	J. H. [unclear]
13	1922	As built	J. H. [unclear]
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15	1924	As built	J. H. [unclear]
16	1925	As built	J. H. [unclear]
17	1926	As built	J. H. [unclear]
18	1927	As built	J. H. [unclear]
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21	1930	As built	J. H. [unclear]
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112	2021	As built	J. H. [unclear]
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182	2091	As built	J. H. [unclear]
183	2092	As built	J. H. [unclear]
184	2093	As built	J. H. [unclear]
185	2094	As built	J. H. [unclear]
186	2095	As built	J. H. [unclear]
187	2096	As built	J. H. [unclear]
188	2097	As built	J. H. [unclear]
189	2098	As built	J. H. [unclear]
190	2099	As built	J. H. [unclear]
191	2100	As built	J. H. [unclear]

19 ST. EDMUNDS TERRACE N.W. 8.

Architectural details and notes at the bottom of the page, including the name of the architect and the date of the drawing.



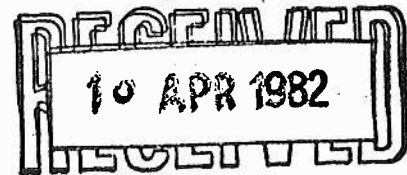
# IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

J. B. Burland, MSc(Eng), Ph D,  
C Eng, MICE, MStruct E, MSAICE  
Professor of Soil Mechanics  
Head of Soil Mechanics Section

Department of Civil Engineering,  
Imperial College Road,  
London SW7 2BU.  
Telephone 01-589 5111 Ext 1305  
Telex 261503

April 15th. 1982

Mr. S. Jeffryes,  
Walter F. Parker and Associates,  
27, Marylebone Road,  
London NW1 5JS.



Dear Mr. Jeffryes,

## Barrie House

I have now studied the report by Ove Arup and Partners dealing with the foundations of Barrie House. In the report it is stated that the factor of safety for the most critical footings is in the range 1.55 to 2.5. This calculation is based on the undrained strength of the soil. I have carried out an independant calculation (see attached sheet 1) and using the strengths given in Figure 11 of the report I find that the undrained short term factor of safety lies between 1.7 and 2.2. Normally one would not design to a factor of safety on bearing capacity less than 2 to 2.5 for footings. Hence I agree with conclusion 4 that the foundations are highly stressed.

Since the flats were built in 1958 the soil beneath the footings will have become fully consolidated under the foundation loads. It occurred to me that this could lead to a considerable improvement in stability and accordingly I have carried out a drained bearing capacity calculation (sheet 2). In doing this calculation I have had to make a number of assumptions the two most important ones being (i) that the effective strength parameters are  $\phi' = 22^\circ$ ,  $c' = 10\text{kN/m}^2$  and (ii) that the footing is buried to a depth of 1.8 metres. Without obtaining undisturbed samples and doing drained triaxial tests it is not possible to assess the accuracy of assumption (i) but it probably represents a lower limit to likely values of strength for London Clay. Assumption (ii) is almost certainly optimistic since there is a basement on one side of the footings. ← SOILS

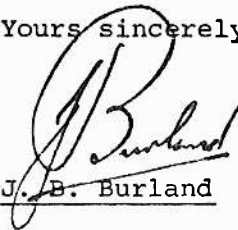
The calculations on sheet 2 lead to a drained factor of safety of 2.45 which suggests a slight improvement in stability due to consolidation. However it should be noted that the surcharge term  $P_0 N_0$  contributes more than half the bearing capacity and in view of the optimistic assumption about  $P_0$  the Factor of Safety may well be somewhat less. Hence I conclude that any increase in stability with time is unlikely to be significant and in present

circumstances should not be relied upon. If a detailed soils investigation were carried out it is possible that the assumed drained strength parameters could be upgraded. However such an investigation would be expensive and there is no guarantee that it would yield improved strength parameters. No doubt Ove Arup and Partners could advise you on the costs and likely outcome of a further soils investigation.

In the light of information contained in the Ove Arup report and the calculations that I have carried out I agree with conclusions 4 to 6 in the report. No doubt the main reason why the basement area appears to have settled more than the surrounding area is due to the high bearing pressures and low factors of safety in that area.

Please do not hesitate to contact me if you would like to discuss the matter further. As requested in your letter of 5th. April 1982 I attach a statement of my fee.

Yours sincerely,



J. B. Burland

Short term stability - most critical case is footings for columns 11, 17, 23 and 14, 20 and 26.

Dimensions: 1.73 x 9.35 m

Depth of founding: 1.8 m - optimistic since basement on one side

Density of soil (say): 18 kN/m<sup>3</sup>

Working pressure: 270 kN/m<sup>2</sup>

Undrained strength  $C_u$ : Take value at a depth below founding of 2/3 breadth i.e. 3 metres below G.L.  
From Fig 11  $C_u$  is 60 to 80 kN/m<sup>2</sup>.

$$\text{Failure pressure } q_f = C_u \times N_c + p_0$$

$N_c$  for strip footing at  $D/B = 1$  is 6.4

$$\begin{aligned} N_c \text{ for rectangular footing} &= 6.4 (1 + 0.2 B/L) \\ &= 6.4 (1 + 0.2 \times 1.73/9.35) \\ &= 6.64 \end{aligned}$$

$$p_0 = 18 \times \text{depth} = 18 \times 1.8 = 32.4 \text{ kN/m}^2$$

For  $C_u = 60 \text{ kN/m}^2$

$$\begin{aligned} q_f &= 60 \times 6.64 + 32.4 \\ &= 431 \text{ kN/m}^2 \end{aligned}$$

For  $C_u = 80 \text{ kN/m}^2$

$$\begin{aligned} q_f &= 80 \times 6.64 + 32.4 \\ &= 564 \text{ kN/m}^2 \end{aligned}$$

$$\therefore \text{F. of S.} = \frac{q_{f \text{ net}}}{q_{w \text{ net}}} = \frac{431 - 32}{270 - 32}$$

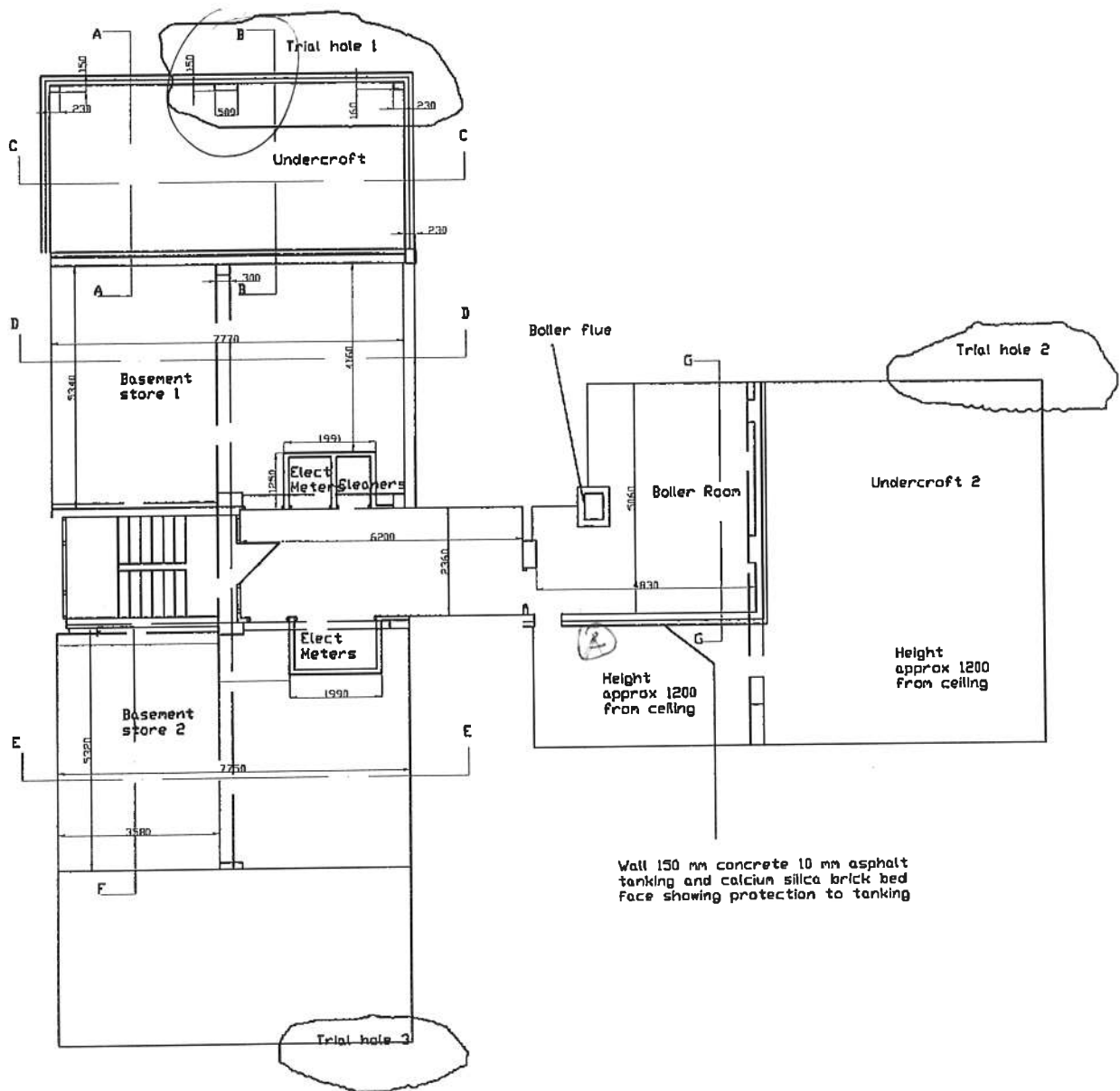
$$= \underline{1.68} \rightarrow$$

$$\text{F. of S.} = \frac{564 - 32}{270 - 32}$$

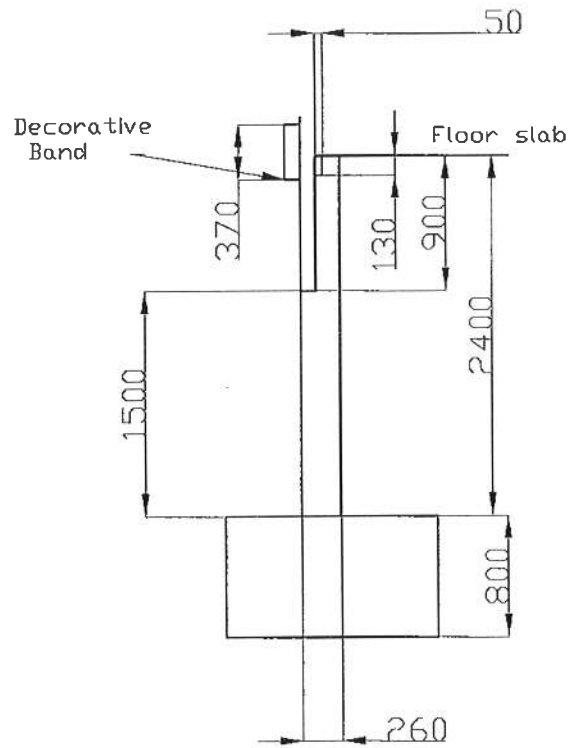
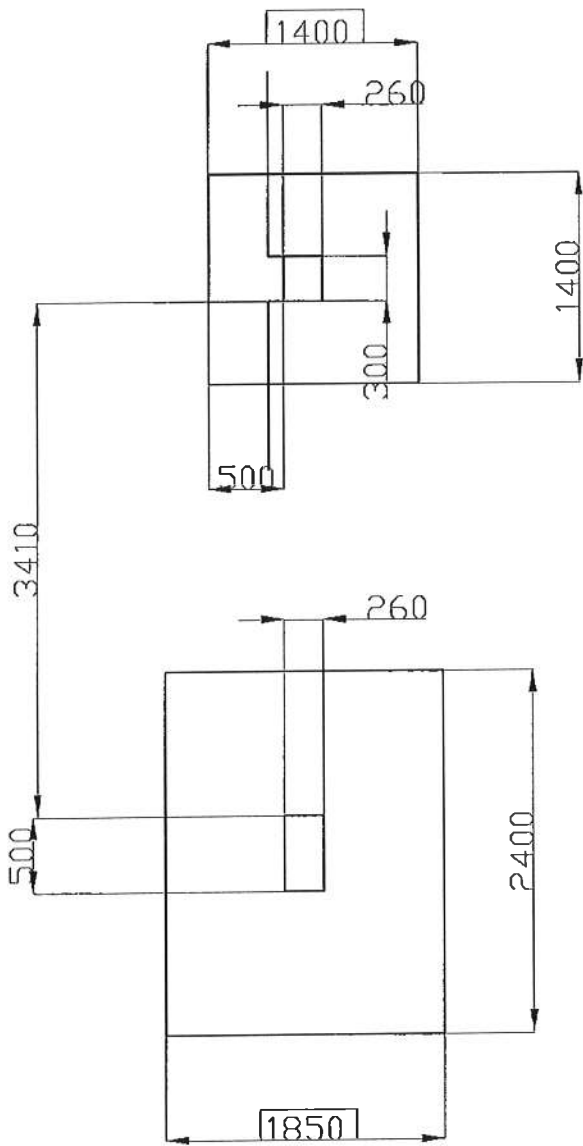
$$= \underline{2.24} \rightarrow$$

i.e. Factor of safety against short term bearing capacity failure is between 1.7 and 2.2





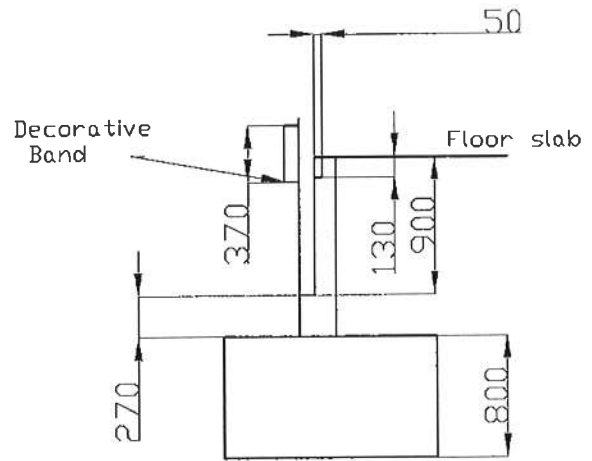
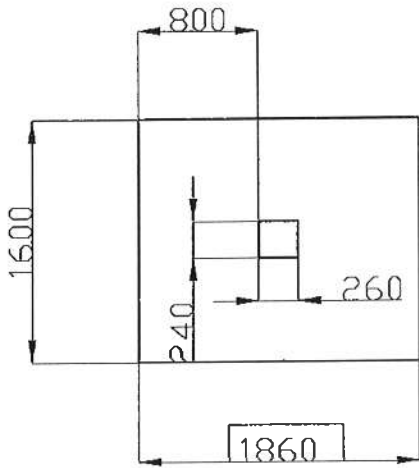
BARRIE HOUSE TRIAL PITS LOCATIONS  
MARCH 2011



ASSUMED DIMENSION

TRIAL HOLE 1

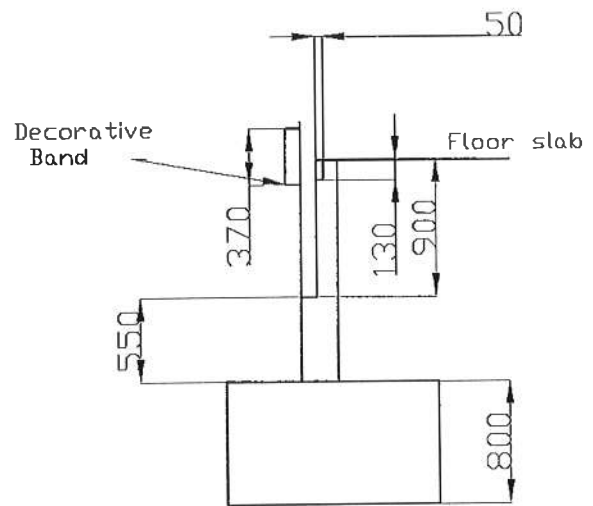
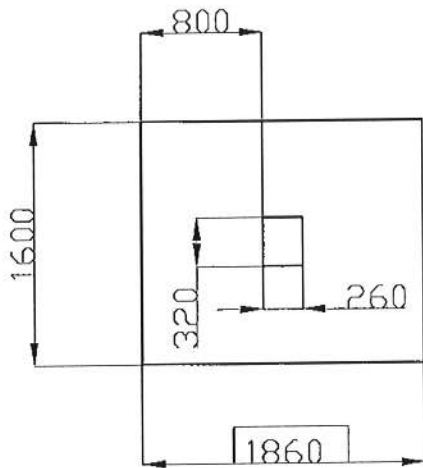
BARRIE HOUSE TRIAL PITS MARCH 2011



ASSUMED DIMENSION

## TRIAL HOLE 2

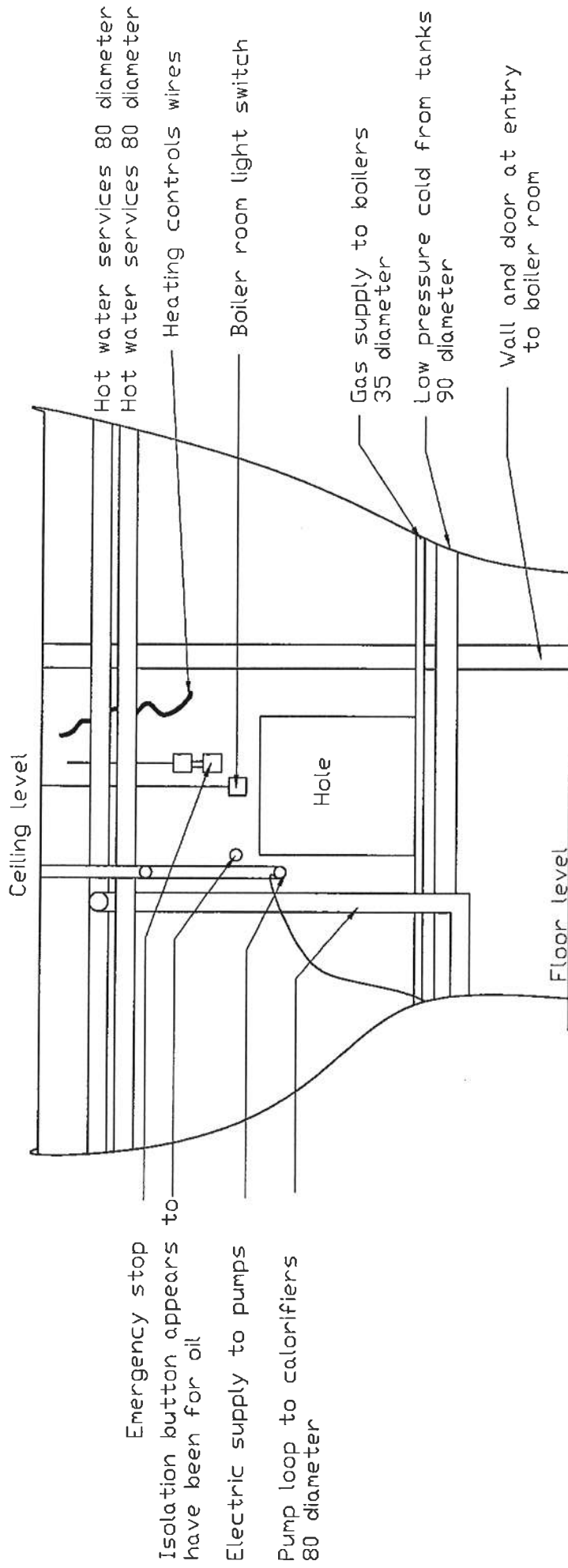
BARRIE HOUSE TRIAL PITS MARCH 2011



ASSUMED DIMENSION

TRIAL HOLE 3

BARRIE HOUSE TRIAL PITS MARCH 2011



ELEVATION OF WALL IN BASEMENT WITH CORE DRILLED HOLE  
 Scale 1:25

BARRIE HOUSE

## **FOREWORD/GUIDANCE NOTES**

### **CABLE PERCUSSION BORING**

#### **GENERAL**

The Borehole Records are compiled from the driller's description of the strata encountered, an examination of the samples by our Geotechnical Engineer and the results of in-situ and laboratory tests. Based on this data, the report presents an opinion on the configuration of strata within the site. However, such reasonable assumptions are given for guidance only and no liability can be accepted for changes in conditions not revealed by the boreholes.

#### **BORING METHODS**

The Cable Percussion technique of boring is normally employed and allows the ground conditions to be reasonably well established. However, some disturbance of the ground is inevitable, particularly some "softening" of the upper zone of clay immediately beneath a granular soil. The presence of thin layers of different soils within a stratum may not always be detected.

#### **GROUND WATER**

The depth at which ground water was struck is entered on the Borehole Records. However, this observation may not indicate the true water level at that period. Due to the speed of boring and the relatively small diameter of the borehole, natural ground water may be present at a depth slightly higher than the water strike. Moreover, ground water levels are subject to variations caused by changes in the local drainage conditions and by seasonal effects. When a moderate inflow of water does take place, boring is suspended for at least 10 minutes to enable a more accurate short term water level to be achieved. An estimate of the rate of inflow is also given. This is a relative term and serves only as a guide to the probable flow of water into an excavation.

Further observations of the water level made during the progress of the borehole are shown including end of shift and overnight readings and the depth at which water was sealed off by the borehole casing, if applicable.

Whilst drilling through granular soils, it is usually necessary to introduce water into the borehole to permit their extraction. When additional water has been used a remark is made on the Borehole Record and the implications are discussed in the text.

#### **SAMPLES**

Undisturbed samples of the predominantly cohesive soils are obtained using a 100mm diameter open-drive sampler. In granular soils, disturbed bulk samples are taken and placed in polythene bags. Small jar samples are taken at frequent intervals in all soils for subsequent visual examination. Where ground water is encountered in sufficient quantity, a sample of the ground water is also taken.

#### **IN-SITU STANDARD PENETRATION TESTS**

This test is performed in accordance with the procedure given in B.S.1377: 1990. The individual blow count record for each test is given on a separate table. The 'N' value is normally the number of blows to achieve a penetration of 0.3m following a seating distance of 0.15m and is quoted at the mid-depth of the test zone. However if a change of stratum occurs within the test zone then a revised 'N' value is calculated to assess one layer in particular. In hard strata full penetration may not be obtained. In such cases the suffix + indicates that the result has been extrapolated from the limited penetration achieved. Where ground water has affected the measured values, the resultant 'N' value has been placed in brackets since it is unlikely to represent the true in-situ density of the soil.

Site <b>Barrie House</b>						Borehole No: <b>BH1</b>	
Location <b>29 St Edmund's Terrace, London NW8 7QH</b>							
Client: <b>Robert Morley, Kalemminster Ltd</b>						Sheet <b>1 of 1</b>	
Engineer: <b>StructureMode Ltd</b>						Report No: <b>9241/OT</b>	
Comments	Samples		Field Test	Strata		Strata Description	Legend
	Type	Depth[m]		Depth[m]	Level[mOD]		
BH constructed 17 Sep 2012  BH dia: 150mm Cased to: 1.50m  Groundwater not observed			0.00	0	+46.00	MADE GROUND: asphalt [100mm] over grey/black mixture of ashy sand with asphalt, clinker and flint gravel; below about 0.35m becoming grey/brown clay with some ash and clinker	0
			0.50		+45.50	Soft brown CLAY with grey patches	1
	D	0.60					
	U	1.10		1			
	D	1.60				...below about 1.6m becoming firm brown CLAY with occasional grey gleying	2
	S/D	2.30	6		2		
	D	2.70					
	U	3.00			3		
	D	3.50					
	S/D	4.30	12		4		
D	4.60						
U	5.00			5			
D	5.50						
S/D	6.30	16		6		...becoming stiff below about 6.0m	
D	6.60						
U	7.00			7			
D	7.50		7.50		+38.50	END OF BOREHOLE	7
				8			8
				9			9
				10			10
Constructed using cable percussive techniques							
Key: U = Undisturbed B = Bulk D = Small disturbed W = Water S = SPT 'N' [split spoon sampler] C = SPT 'N' [solid cone] HV = Hand Vane [kPa] PP = Pocket Penetrometer [kg/cm <sup>2</sup> ]							
Remarks :- Backfilled with arisings and surface reinstated on completion Ground level interpolated from topographical survey						Borehole No: <b>BH1</b>	

[\* = extrapolated SPT 'N' value]



## Foreword to: WINDOW SAMPLING

**Window Sample Boreholes** are constructed by driving in steel sample tubes containing long cut out 'windows', which is extruded to enable the soil to be examined, tested or sampled. The tubes are 1m in length. The borehole commences using a large diameter tube, usually 90mm, with each succeeding tube reducing usually by 10mm in diameter to assist the extraction of the tube from the ground. Thus, it is theoretically possible to obtain a total continuous sample of the soil for examination or testing.

Window Sample boreholes are a means of rapid and economic sampling where access is not necessarily good or where impact of the investigation must be kept to a minimum.

The method is primarily suited to clay soils and can also achieve reasonable penetration into many granular soils. Soil recovery beneath the water table in granular soils can however be reduced.

The open slot in the sample tube allows hand shear vane and pocket penetrometer tests to be carried out. Samples can also be taken where necessary for laboratory testing, including moisture content, index property tests and contamination analyses.

Hand Shear Vane: The shear strength of cohesive soils are reported in kPa.

Pocket Penetrometer: The unconfined compression strengths values are reported in kg/cm<sup>2</sup>.



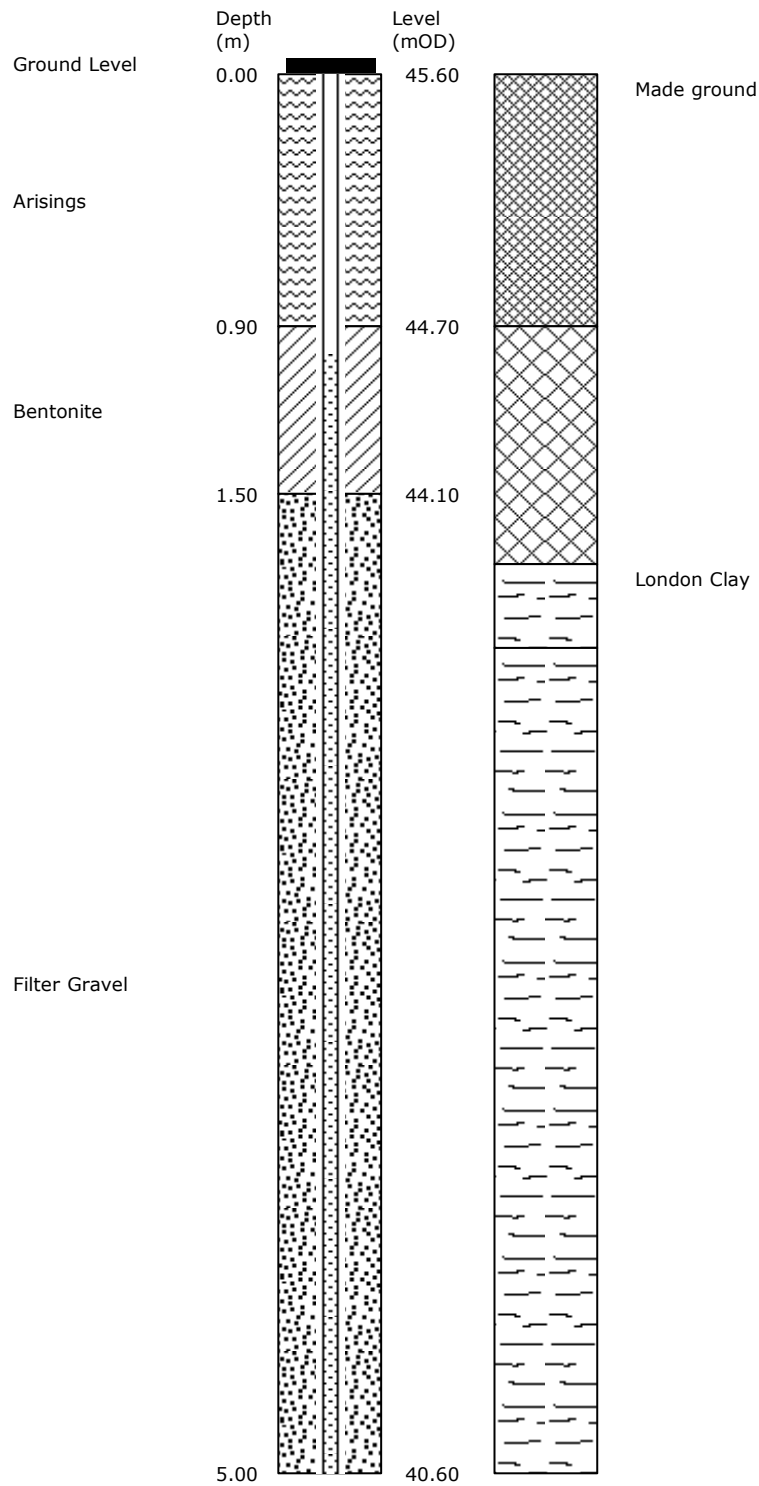
Site <b>Barrie House</b>						Borehole No: <b>WS1</b>		
Location <b>29 St Edmund's Terrace, London NW8 7QH</b>								
Client: <b>Robert Morley, Kalemminster Ltd</b>						Sheet <b>1 of 2</b>		
Engineer: <b>StructureMode Ltd</b>						Report No: <b>9241/OT</b>		
Comments	Samples		Field Test	Strata		Strata Description	Legend	
	Type	Depth[m]		Depth[m]	Level[mOD]			
BH constructed 17 Sep 2012  BH dia: 60mm reducing with depth  Groundwater at 0.95m on  Groundwater at 1.4m on  Some disturbance in upper 200mm of clay due to coring operations and HV testing				0.00	0	+45.60	MADE GROUND: [trial pit] - brown topsoil and clay with occasional building rubble	0
				0.90	1	+44.70	Concrete foundation [no reinforcement observed]	1
				1.75	2	+43.85	Stiff brown CLAY with occasional grey gleying, selenite crystals and rare orange sand partings	2
		HV	1.90	47			...incipient claystone at 2.05m	
		HV/D	2.10	81				
		HV	2.30	88				
		D	2.40					
		HV	2.50	88				
		D	2.60					
		HV	2.70	78				
		D	2.80					
		HV	2.90	99				
		D	3.10					
		HV	3.20	84				
		HV/D	3.40	82				
		HV	3.60	80				
		D	3.70					
	HV	3.80	82					
	HV/D	4.00	90					
	HV	4.20	98					
	D	4.30						
	HV	4.40	92					
	D	4.60						
				5.00	5	+40.60	END OF BOREHOLE	5
Constructed using hand held window sample equipment								
Key: U = Undisturbed B = Bulk D = Small disturbed W = Water S = SPT 'N' [split spoon sampler] C = SPT 'N' [solid cone] HV = Hand Vane [kPa] PP = Pocket Penetrometer [kg/cm <sup>2</sup> ]								
Remarks :- Borehole constructed through an open trial pit which exposed the top of a footing and cored to base of footing at 75mm dia Standpipe installed to 5.0m depth Ground level interpolated from topographical survey						Borehole No: <b>WS1</b>		

[\* = extrapolated SPT 'N' value]



Site	<b>Barrie House</b>	Borehole No:	<b>WS1</b>
Location	<b>29 St Edmund's Terrace, London NW8 7QH</b>	Sheet	<b>2 of 2</b>
Client:	<b>Robert Morley, Kalemminster Ltd</b>	Report No:	<b>9241/OT</b>
Engineer:	<b>StructureMode Ltd</b>		

### Borehole Installation and Backfill Details



Constructed using hand held window sample equipment

Remarks :- [i] Pipe diameter: 19mm  
[ii] Tip at 5m depth [ 40.6m OD approx]

Borehole No:

**WS1**

Site	<b>Barrie House</b>	Borehole No:	<b>WS2</b>
Location	<b>29 St Edmund's Terrace, London NW8 7QH</b>	Sheet	<b>1 of 2</b>
Client:	<b>Robert Morley, Kalemminster Ltd</b>	Report No:	<b>9241/OT</b>
Engineer:	<b>StructureMode Ltd</b>		

Comments	Samples		Field Test	Strata		Strata Description	Legend		
	Type	Depth[m]		Depth[m]	Level[mOD]				
BH constructed 17 Sep 2012  BH dia: 60mm reducing with depth              Groundwater at 3.5m on 15/10/12				0.00	0	+44.60	0	MADE GROUND: [trial pit] - brown topsoil and clay with occasional building rubble	
				1.13	1	+43.47	1	MADE GROUND: soft to firm brown clay with occasional flint gravel and dark brown sand/silt lenses	
		HV/D	2.10	88	2.10	2	+42.50	2	Stiff, locally firm brown CLAY with orange patches and scattered selenite crystals
		HV/D	2.30	74					
		HV	2.50	63					
		D	2.60						
		HV	2.70	82					
		HV/D	2.90	78					
		HV/D	3.10	74		3		3	
		HV	3.30	76					
		D	3.40						
		HV	3.50	93					
		HV/D	3.70	86					
		HV	3.90	84					
		HV/D	4.10	68		4		4	
	HV	4.30	80						
	HV/D	4.50	106						
	HV	4.70	92						
	HV	4.90	120						
				5.00	5	+39.60	5	END OF BOREHOLE	

Constructed using hand held window sample equipment

Key: U = Undisturbed B = Bulk D = Small disturbed W = Water S = SPT 'N' [split spoon sampler] C = SPT 'N' [solid cone] HV = Hand Vane [kPa] PP = Pocket Penetrometer [kg/cm<sup>2</sup>]

Remarks :- Borehole constructed off edge of pad footing  
 Standpipe installed to 5.0m depth  
 Ground level interpolated from topographical survey

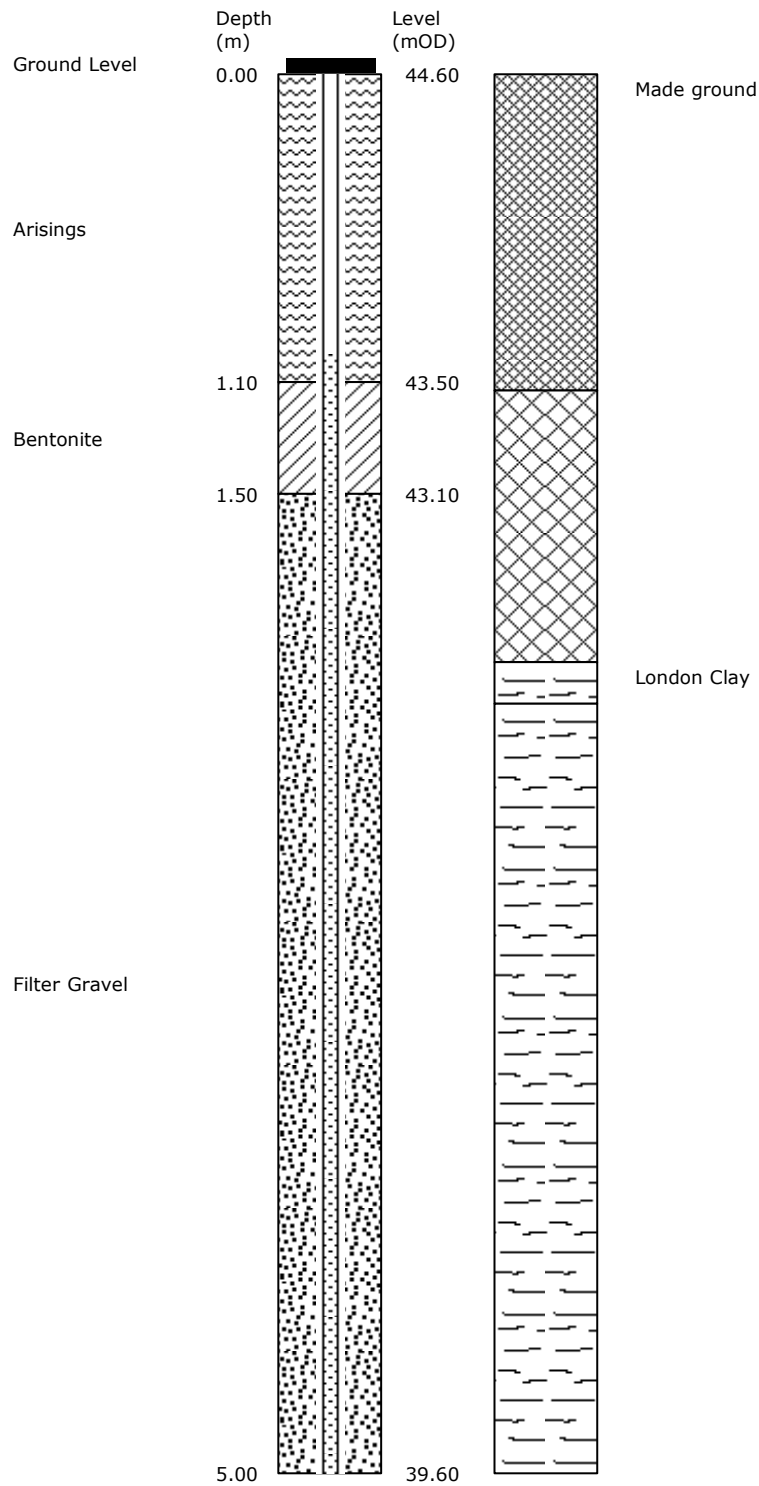
Borehole No:  
**WS2**

[\* = extrapolated SPT 'N' value]



Site	<b>Barrie House</b>	Borehole No:	<b>WS2</b>
Location	<b>29 St Edmund's Terrace, London NW8 7QH</b>	Sheet	<b>2 of 2</b>
Client:	<b>Robert Morley, Kalemminster Ltd</b>	Report No:	<b>9241/OT</b>
Engineer:	<b>StructureMode Ltd</b>		

### Borehole Installation and Backfill Details



Constructed using hand held window sample equipment

Remarks :- [i] Pipe diameter: 19mm  
 [ii] Tip at 5m depth [ 39.6m OD approx.]

Borehole No:  
**WS2**

Site	<b>Barrie House</b>	Borehole No:	<b>WS3</b>
Location	<b>29 St Edmund's Terrace, London NW8 7QH</b>	Sheet	<b>1 of 1</b>
Client:	<b>Robert Morley, Kalemminster Ltd</b>	Report No:	<b>9241/OT</b>
Engineer:	<b>StructureMode Ltd</b>		

Comments	Samples		Field Test	Strata		Strata Description	Legend
	Type	Depth[m]		Depth[m]	Level[mOD]		
BH constructed 17 Sep 2012				0.00	0	+45.30	MADE GROUND: [trial pit] - brown topsoil and clay with occasional building rubble
BH dia: 60mm reducing with depth							
Groundwater not observed				0.90	1	+44.40	Concrete foundation [single reinforcement bar, c.10mm dia, observed at 0.5m in core]
Some disturbance in upper 200mm of clay due to coring operations and HV testing				1.62		+43.68	Stiff brown CLAY with occasional grey gleying, selenite crystals and rare orange sand partings
					2		...incipient claystone at 2.05m
	HV	2.10	87				
	D	2.20					
	HV	2.30	97				
	HV	2.50	114				
	HV	2.70	109				
	D	2.80					
	HV	2.90	119				
	HV/D	3.10	85		3		
	HV	3.30	87				
	HV	3.50	90				
	D	3.60					
	HV	3.70	85				
	HV	3.90	94				
	HV	4.10	64		4		
	D	4.20					
	HV	4.30	86				
	HV	4.50	96				
	HV	4.70	98				
	D	4.80					
	HV	4.90	97				
				5.00	5	+40.30	END OF BOREHOLE

Constructed using hand held window sample equipment

Key: U = Undisturbed B = Bulk D = Small disturbed W = Water S = SPT 'N' [split spoon sampler] C = SPT 'N' [solid cone] HV = Hand Vane [kPa] PP = Pocket Penetrometer [kg/cm<sup>2</sup>]

Remarks :- Borehole constructed through an open trial pit which exposed the top of a footing and cored to base of footing at 75mm dia  
 Standpipe installed to 5.0m depth  
 Ground level interpolated from topographical survey

Borehole No:  
**WS3**

[\* = extrapolated SPT 'N' value]



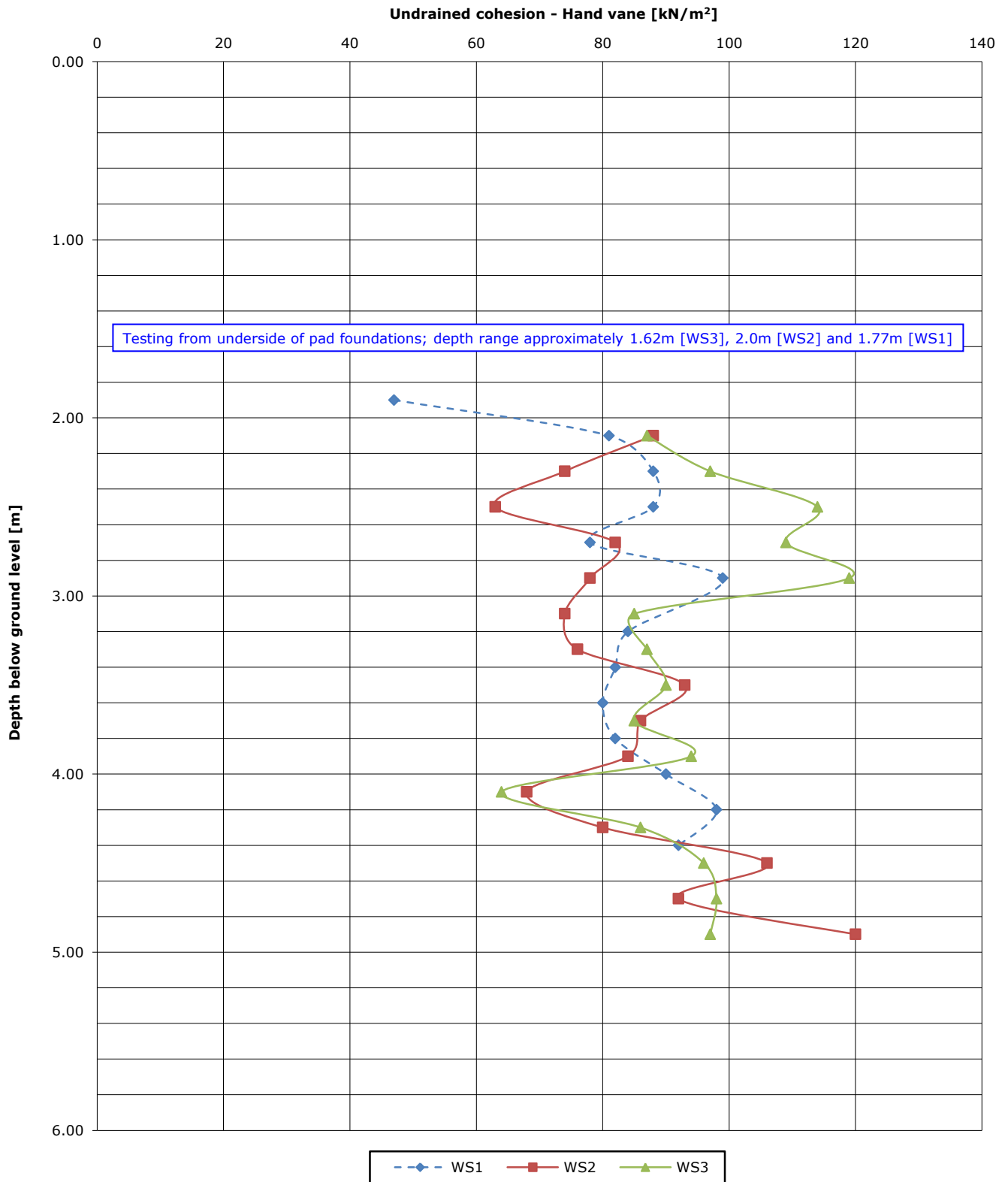
Site  
Location

**Barrie House**   
**29 St Edmund's Terrace, London NW8 7QH**

Report  
No:

**9241/OT**

### Strength Profile [Hand Vane]



**Pocket Penetrometer Strength Profile**

WS1		WS2		WS3					
Depth [m]	Value [n]	Depth [m]	Value [n]	Depth [m]	Value [n]	Depth [m]	Value [n]	Depth [m]	Value [n]
1.9	1.30	2.1	2.30	2.1	2.80				
2.1	1.80	2.3	1.80	2.3	2.40				
2.3	2.10	2.5	1.70	2.5	2.50				
2.5	2.10	2.7	2.10	2.7	2.90				
2.7	2.10	2.9	1.90	2.9	2.60				
2.9	2.40	3.1	1.80	3.1	2.30				
3	2.30	3.3	1.80	3.3	2.40				
3.2	2.30	3.5	2.60	3.5	2.50				
3.4	2.30	3.7	2.20	3.7	1.80				
3.6	2.20	3.9	1.90	3.9	2.50				
3.8	2.40	4.1	1.90	4.1	1.90				
4	2.40	4.3	2.50	4.3	2.40				
4.2	2.90	4.5	3.00	4.5	2.40				
4.4	2.30	4.7	3.00	4.7	2.60				
4.5	2.20	4.9	2.50	4.9	2.60				
4.7	2.40								
4.9	2.10								

Notes

- Standard Penetration Test : BS1377 : Part 9 (1990) Clause 3.3
- \* = Extrapolated Value



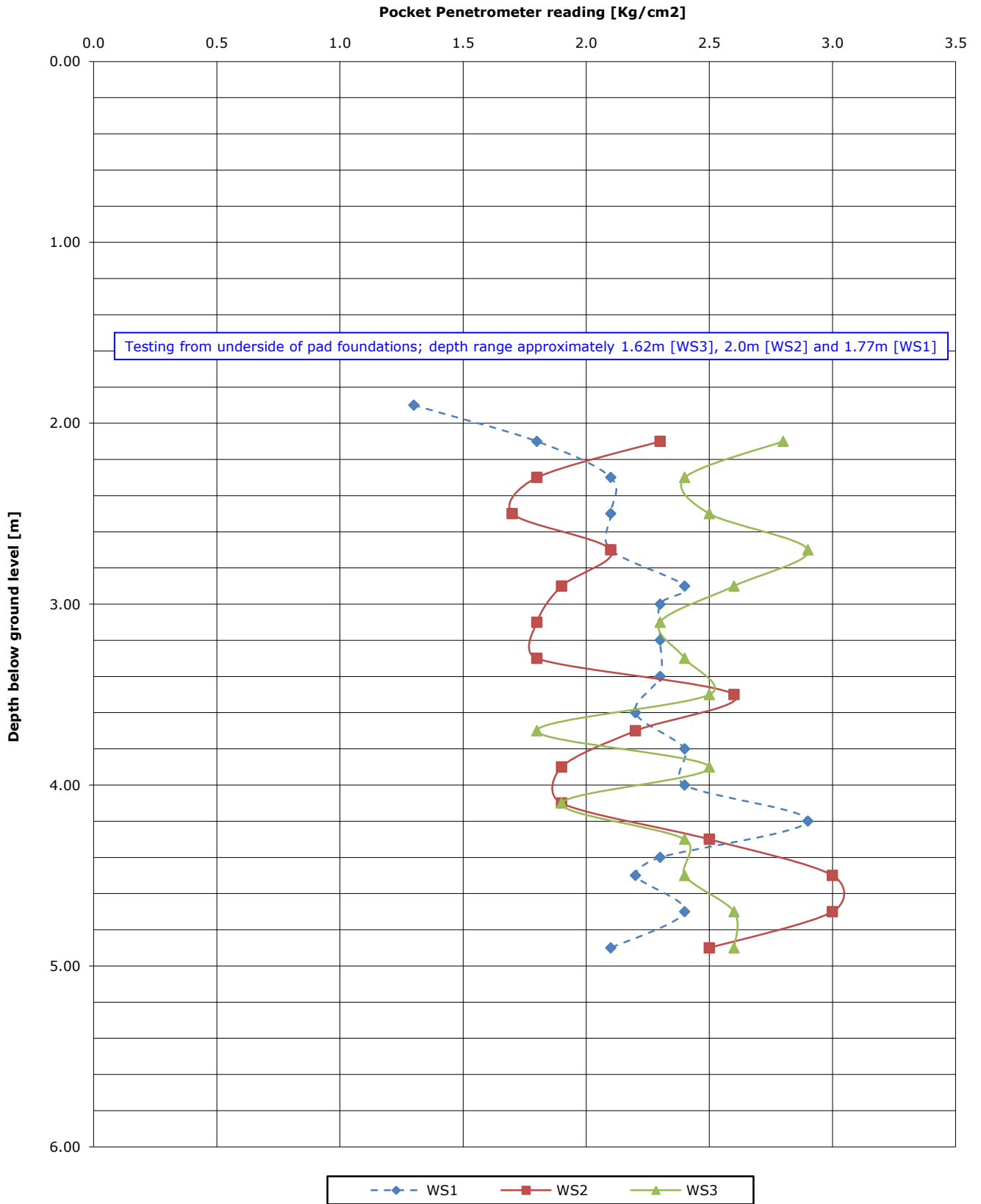
Site Location

**Barrie House** □  
**29 St Edmund's Terrace, London NW8 7QH**

Report No:

**9241/OT**

### Strength Profile [Pocket Penetrometer]





### Index Property Test Results

Sheet 1 of 3

Sample Location	Depth (m)	Sample Description	Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	Percent Passing [%]	Remarks
WS1	2.10	Brown CLAY with occasional grey gleying	20	78	25	53	>95	
WS1	2.40	Brown CLAY with occasional grey gleying	28					
WS1	2.60	Brown CLAY with occasional grey gleying	30					
WS1	2.80	Brown CLAY with occasional grey gleying	30	78	30	48	>95	
WS1	3.10	Brown CLAY with occasional grey gleying	31					
WS1	3.40	Brown CLAY with occasional grey gleying	32					
WS1	3.70	Brown CLAY with occasional grey gleying	31	83	30	53	>95	
WS1	4.00	Brown CLAY with occasional grey gleying	33					
WS1	4.30	Brown CLAY with occasional grey gleying	34					
WS1	4.60	Brown CLAY with occasional grey gleying	34					
WS2	2.10	MADE GROUND: Brown clay with occasional flint gravel and dark brown sand/silt lenses	28					
WS2	2.30	Brown CLAY with orange patches and grey gleying	30	83	27	56	>95	
WS2	2.60	Brown CLAY with orange patches and grey gleying	28					

**Notes**

- Moisture content test: BS 1377:Part 2 [1990] Clause 3.2 [value in brackets = calculated matrix moisture content for comparison with LL and PL]
- Liquid and Plastic Limit: BS 1377:Part 2 [1990] Clauses 4.4, 5.2, 5.3, 5.4 is carried out on fine grained soil matrix
- Percent passing 425 micron sieve is by estimation, by hand\* or by wet sieving\*\*
- LOI = Loss on Ignition

Sample examined by    OT    (Engineer)

Results checked by    OT    (Engineer) Certificate date : 02/10/2012



### Index Property Test Results

Sheet 2 of 3

Sample Location	Depth (m)	Sample Description	Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	Percent Passing [%]	Remarks
WS2	2.90	Brown CLAY with orange patches and grey gleying	31					
WS2	3.10	Brown CLAY with orange patches and grey gleying	32	91	30	61	>95	
WS2	3.40	Brown CLAY with orange patches and grey gleying	30					
WS2	3.70	Brown CLAY with orange patches and grey gleying	32					
WS2	4.10	Brown CLAY with orange patches and grey gleying	29					
WS2	4.50	Brown CLAY with orange patches and grey gleying	28					
WS3	2.20	Brown CLAY with occasional grey gleying	29	70	28	42	>95	
WS3	2.80	Brown CLAY with occasional grey gleying	31	80	28	52	>95	
WS3	3.10	Brown CLAY with occasional grey gleying	32					
WS3	3.60	Brown CLAY with occasional grey gleying	29					
WS3	4.20	Brown CLAY with occasional grey gleying	33					
WS3	4.80	Brown CLAY with occasional grey gleying	32					
BH1	1.10	Brown CLAY with grey patches	26					

**Notes**

- Moisture content test: BS 1377:Part 2 [1990] Clause 3.2 [value in brackets = calculated matrix moisture content for comparison with LL and PL]
- Liquid and Plastic Limit: BS 1377:Part 2 [1990] Clauses 4.4, 5.2, 5.3, 5.4 is carried out on fine grained soil matrix
- Percent passing 425 micron sieve is by estimation, by hand\* or by wet sieving\*\*
- LOI = Loss on Ignition

Sample examined by OT (Engineer)

Results checked by OT (Engineer)

Certificate date : 02/10/2012



Site Location	<b>Barrie House</b> □ <b>29 St Edmund's Terrace, London NW8 7QH</b>	Report No:	<b>9241/OT</b>
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### Index Property Test Results

Sheet 3 of 3

Sample Location	Depth (m)	Sample Description	Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	Percent Passing [%]	Remarks
BH1	1.60	Brown CLAY with grey patches	27					
BH1	2.70	Brown CLAY with grey patches	29					
BH1	3.50	Brown CLAY with grey patches	28	71	29	42	>95	
BH1	4.60	Brown CLAY with grey patches	29					
BH1	5.50	Brown CLAY with grey patches	28	83	28	55	>95	
BH1	6.60	Brown CLAY with grey patches	30					
BH1	7.50	Brown CLAY with grey patches	30	82	30	52	>95	

**Notes**

- Moisture content test: BS 1377:Part 2 [1990] Clause 3.2 [value in brackets = calculated matrix moisture content for comparison with LL and PL]
- Liquid and Plastic Limit: BS 1377:Part 2 [1990] Clauses 4.4, 5.2, 5.3, 5.4 is carried out on fine grained soil matrix
- Percent passing 425 micron sieve is by estimation, by hand\* or by wet sieving\*\*
- LOI = Loss on Ignition

Sample examined by OT (Engineer)

Results checked by OT (Engineer)

Certificate date : 02/10/2012



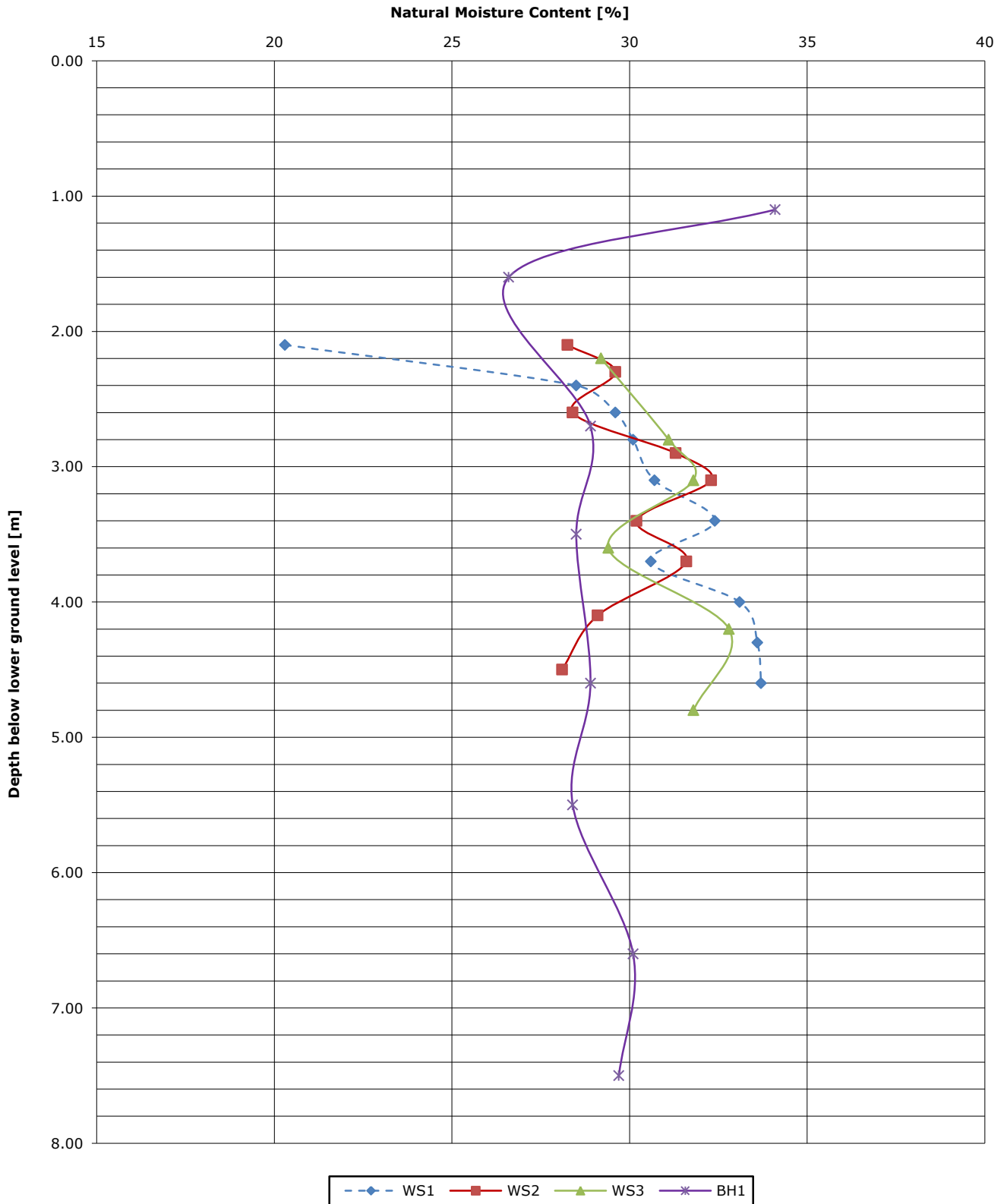
Site  
Location

**Barrie House** □  
**29 St Edmund's Terrace, London NW8 7QH**

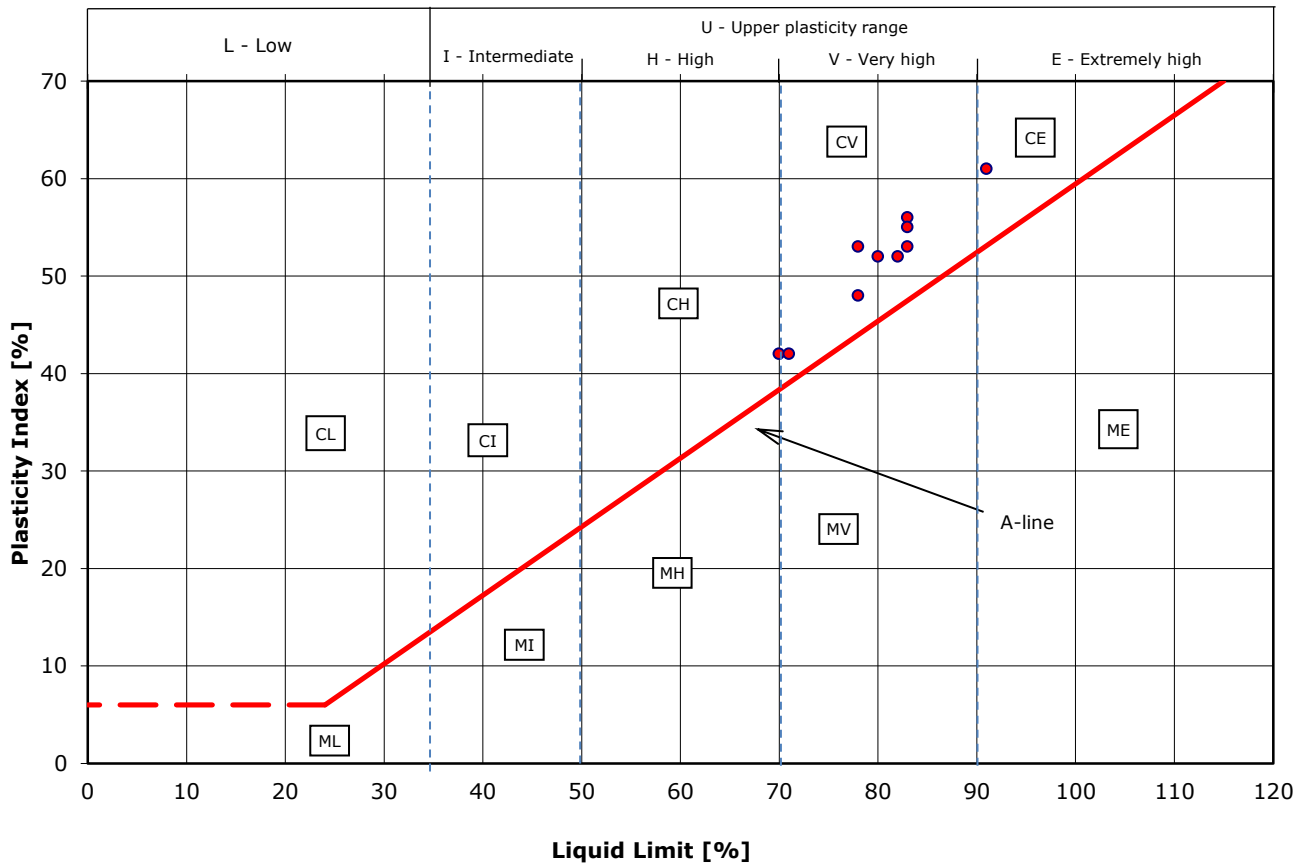
Report  
No:

**9241/OT**

### Moisture Content Profile



**PLASTICITY CHART - BS5930 classification**



M - Silt [M-soil] plots below the A-line  
C - Clay plots above the A-line

Notes:

Classification based upon BS5930:1999 'Code of practice for site investigations'

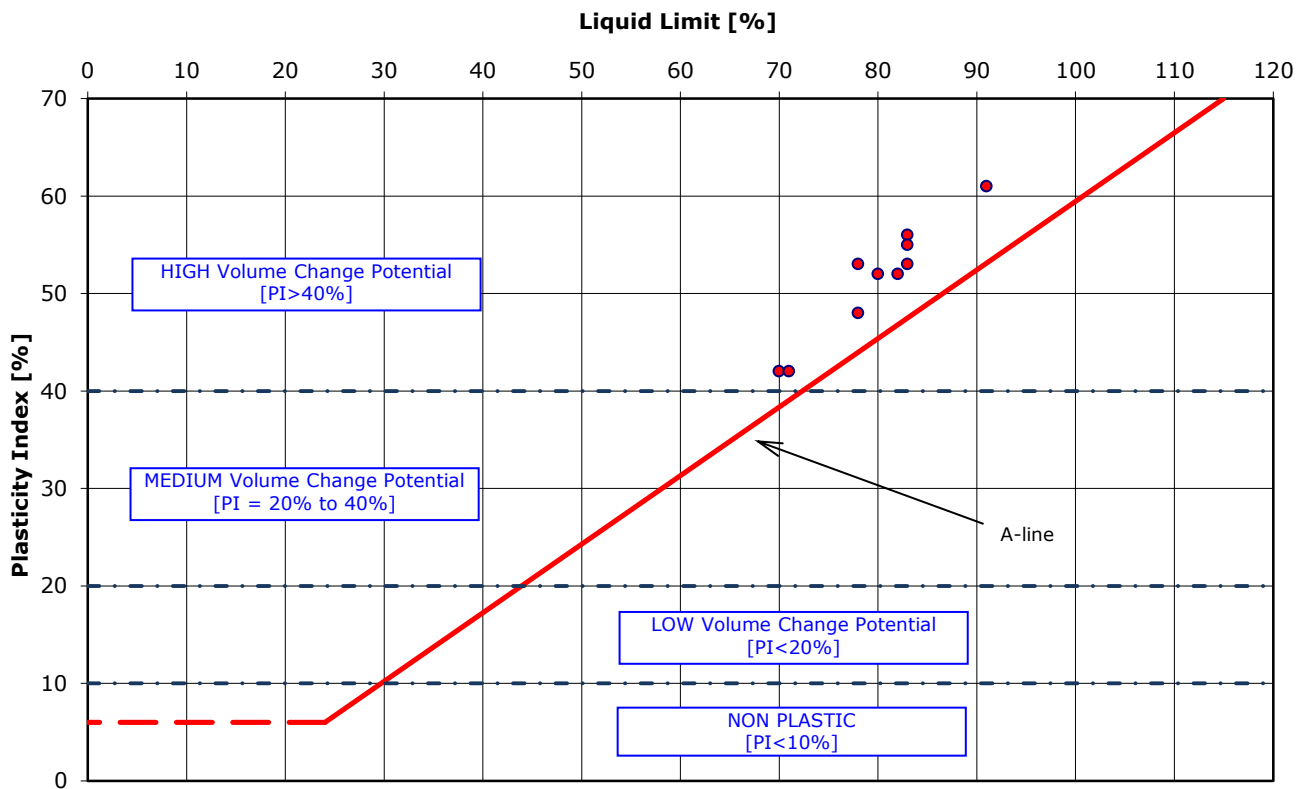
Site  
Location

**Barrie House**  
**29 St Edmund's Terrace, London NW8 7QH**

Report  
No:

**9241/OT**

### PLASTICITY CHART - NHBC classification



Notes:

Classification based upon NHBC Standards, Part 4 'Foundations', Chapter 4.2 'Building near trees'

Site Location	<b>Barrie House</b> <input type="checkbox"/> <b>29 St Edmund's Terrace, London NW8 7QH</b>	Report No:	<b>9241/OT</b>
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### Triaxial Compression Test Result

Sheet 1 of 1

Sample Location	Depth (m)	Test Type	Cell Pressure [kN/m <sup>2</sup> ]	Comp Strength [kN/m <sup>2</sup> ]	Bulk Density [Mg/m <sup>3</sup> ]	Moisture Content [%]	Cohesion [kN/m <sup>2</sup> ]	Angle of Friction [deg]	Remarks
BH1	1.10	U102	60	51	1.99	34	26	0	

Notes  
 - Key : 38, 102 = dia in mm, U=Undrained, M= Multistage, MC = Moisture Content, QD = Quick Drained Test



# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test

BS 1377 : Part 8 : 1990

Specimen Details	Specimen 1	Specimen 2	Specimen 3
Job Ref.	13381		
Job Location	Barrie House, 29 St Edmund's Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth m	3.00	3.00	3.00
Date	01/10/2012	01/10/2012	01/10/2012
Disturbed / Undisturbed	undisturbed	undisturbed	undisturbed

### Description of Specimen

Brown with blue grey veins CLAY with occasional selenite crystals

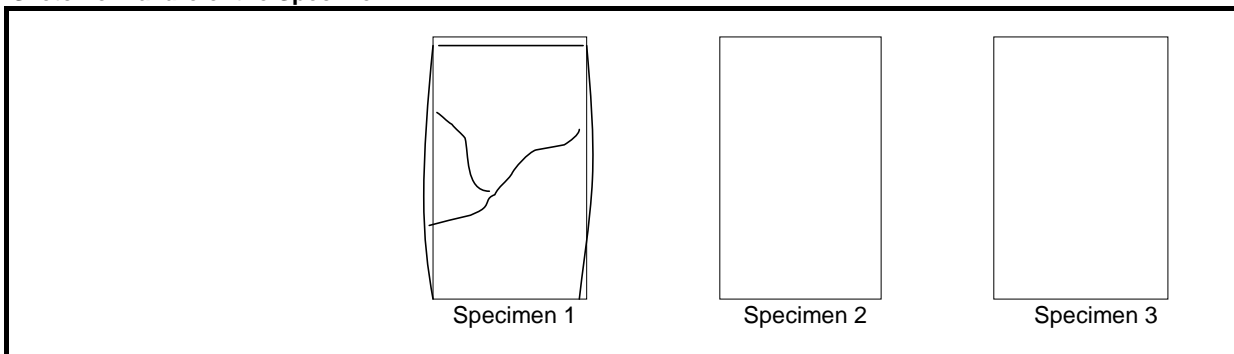
### Initial Specimen Conditions

Height	mm	202.00		
Diameter	mm	105.00		
Area	mm <sup>2</sup>	8659.01		
Volume	cm <sup>3</sup>	1749.12		
Mass	g	3339.90		
Dry Mass	g	2559.80		
Density	Mg/m <sup>3</sup>	1.91		
Dry Density	Mg/m <sup>3</sup>	1.46		
Moisture Content	%	30.48		
Degree of Saturation	%	96.54		
Specific Gravity		2.72		
(assumed/measured)		assumed		

### Final Specimen Conditions

Moisture Content	%			31.00
Density	Mg/m <sup>3</sup>			2.02
Dry Density	Mg/m <sup>3</sup>			1.54

### Sketch of Failure of the Specimen





# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test

BS 1377 : Part 8 : 1990

Specimen Details	Specimen 1	Specimen 2	Specimen 3
Job Ref.	13381		
Job Location	Barrie House, 29 St Edmund's Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth <span style="float: right;">m</span>	3.00	3.00	3.00
Date	01/10/2012	01/10/2012	01/10/2012

Test Setup			
Date started	20/09/2012		
Date Finished	30/09/2012		
Top Drain Used	y		
Base Drain Used	n		
Side Drains Used	y		
Pressure System Number	1		
Cell Number	1		

Saturation			
Cell Pressure Incr. <span style="float: right;">kPa</span>	400.00		
Back Pressure Incr. <span style="float: right;">kPa</span>	390.00		
Differential Pressure <span style="float: right;">kPa</span>	10.00		
Final Cell Pressure <span style="float: right;">kPa</span>	400.00		
Final Pore Pressure <span style="float: right;">kPa</span>	391.00		
Final B Value	0.97		

Consolidation			
Effective Pressure <span style="float: right;">kPa</span>	30.00	60.00	120.00
Cell Pressure <span style="float: right;">kPa</span>	430.00	460.00	520.00
Back Pressure <span style="float: right;">kPa</span>	400.00	400.00	400.00
Excess Pore Pressure <span style="float: right;">kPa</span>	17.10	34.90	69.70
Pore Pressure at End <span style="float: right;">kPa</span>	401.20	401.90	401.60
Consolidated Volume <span style="float: right;">cm<sup>3</sup></span>	1680.52	1657.37	1620.67
Volumetric Strain	0.013073233	0.00459183	0.007381168
Consolidated Height <span style="float: right;">mm</span>	199.36	193.67	187.67
Consolidated Area <span style="float: right;">mm<sup>2</sup></span>	8432.61	8558.26	8636.70
Vol. Compressibility <span style="float: right;">m<sup>2</sup>/MN</span>	2.46665	0.41744	0.32516
Consolidation Coef. <span style="float: right;">m<sup>2</sup>/yr.</span>			

Date:   
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 Approved by:   
 Filename: Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at300.xlsjReport   
 Date: 15/10/2012

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

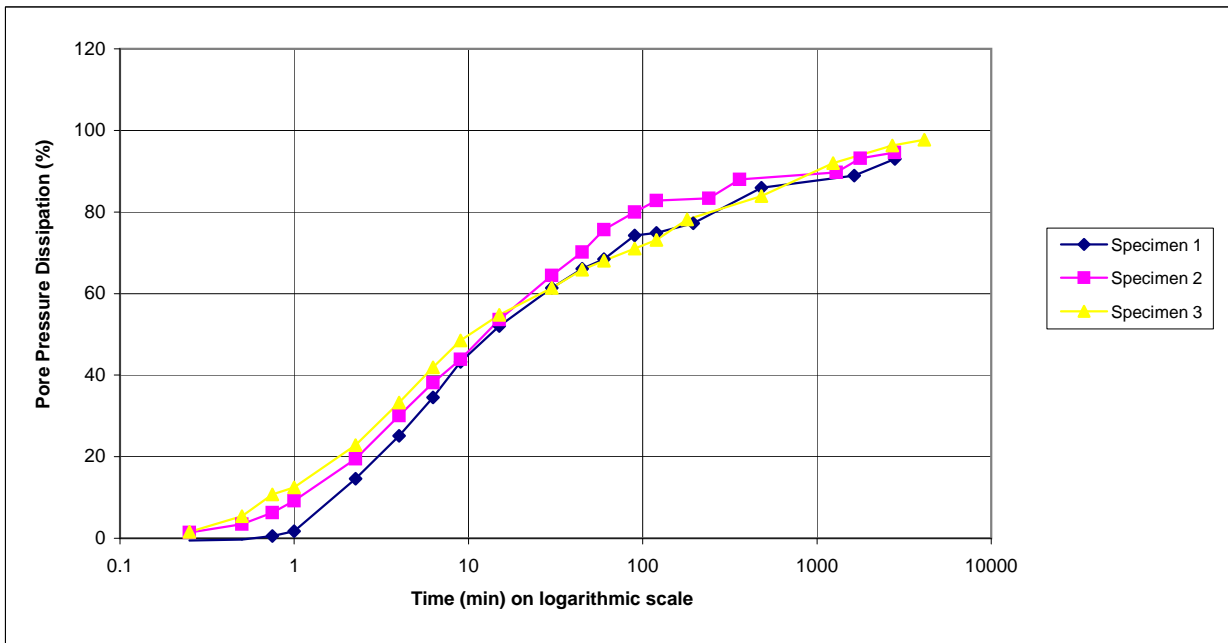
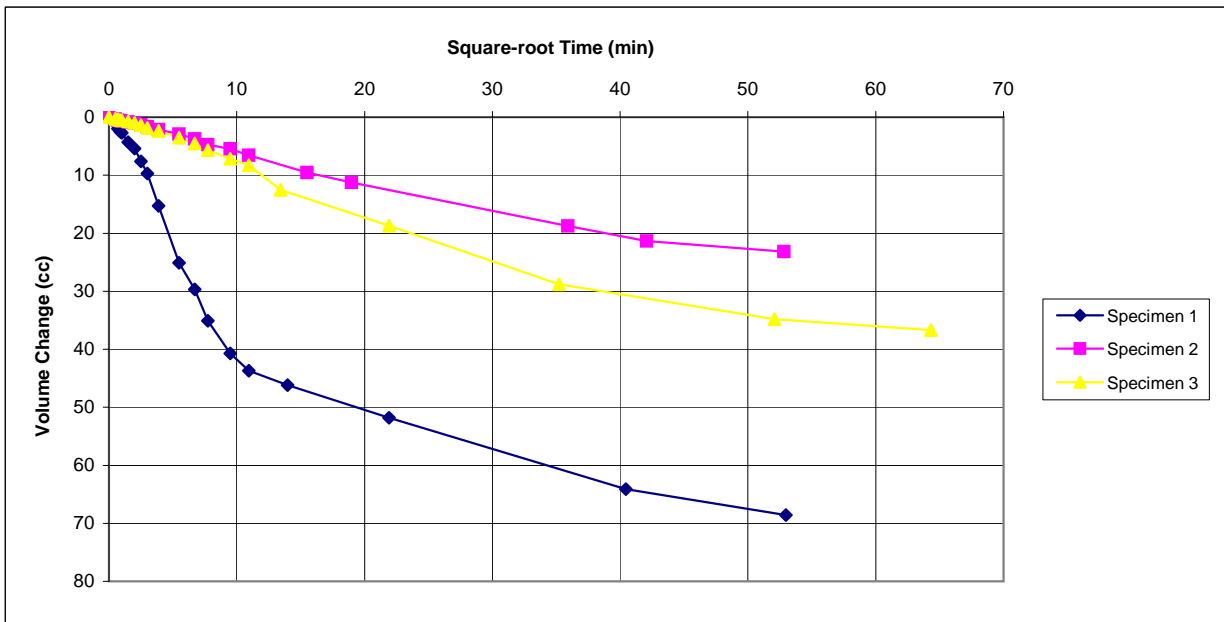
Specimen 2

Specimen 3

### Specimen Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmund's Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	3.00	3.00	3.00
Date	01/10/2012	01/10/2012	01/10/2012

### Consolidation Stage



Date:   
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 Date: 15/10/2012

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

Specimen 2

Specimen 3

### Specimen Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmund's Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth m	3.00	3.00	3.00
Date	01/10/2012	01/10/2012	01/10/2012

### Shearing

Initial Cell Pressure	kPa	430	460	520
Initial Pore Pressure	kPa	401	401	401.1
Rate of Strain	%/hour	0.594059406	0.61677883	0.634699585

### Max Deviator Stress

Axial Strain		2.247	2.231	5.536
Axial Stress	kPa	54.21	77.46	133.70
Cor. Deviator stress	kPa	53.51	76.73	132.94
Effective Major Stress	kPa	68.11	107.83	201.94
Effective Minor Stress	kPa	14.40	30.90	68.80
Effective Stress Ratio		4.730	3.490	2.935
s'	kPa	41.26	69.37	135.37
t'	kPa	26.86	38.47	66.57
Shear Resistance Angle	degs	25.00	25.00	25.00
Cohesion c'	kPa	10.21	10.21	10.21

### Max Effective Principle Stress Ratio

Axial Strain		2.247	2.375	4.710
Axial Stress	kPa	54.21	77.34	133.03
Cor. Deviator stress	kPa	53.51	76.62	132.26
Effective Major Stress	kPa	68.11	107.32	200.46
Effective Minor Stress	kPa	14.40	30.50	68.00
Effective Stress Ratio		4.730	3.519	2.948
s'	kPa	41.26	68.91	134.23
t'	kPa	26.86	38.41	66.23

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 Date:

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

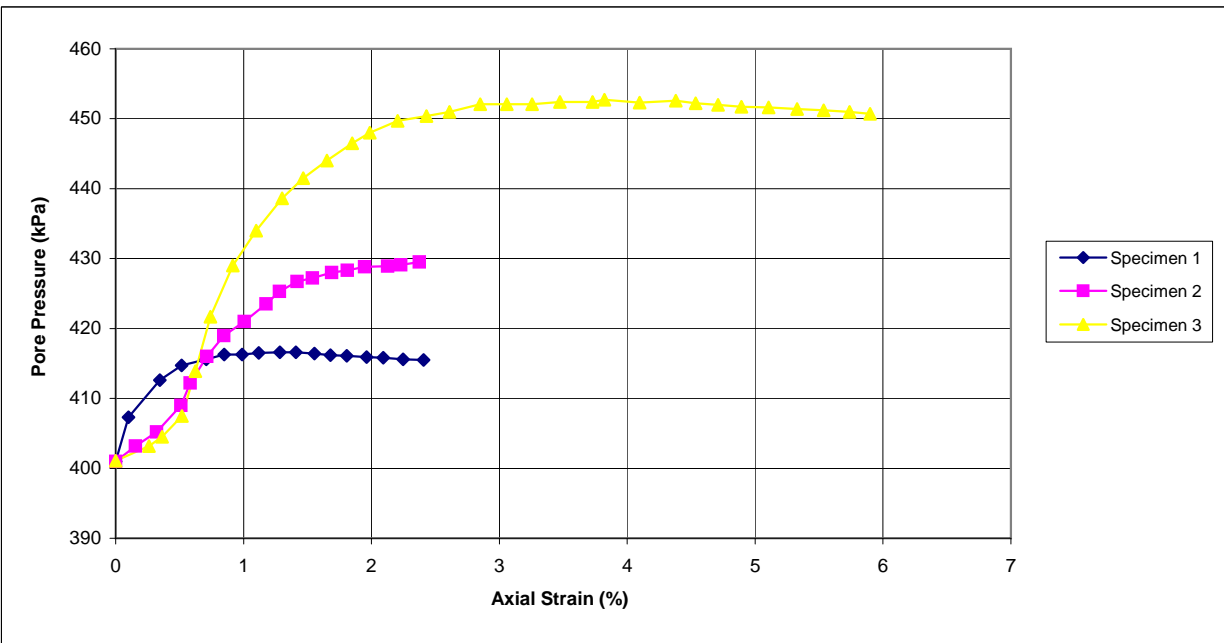
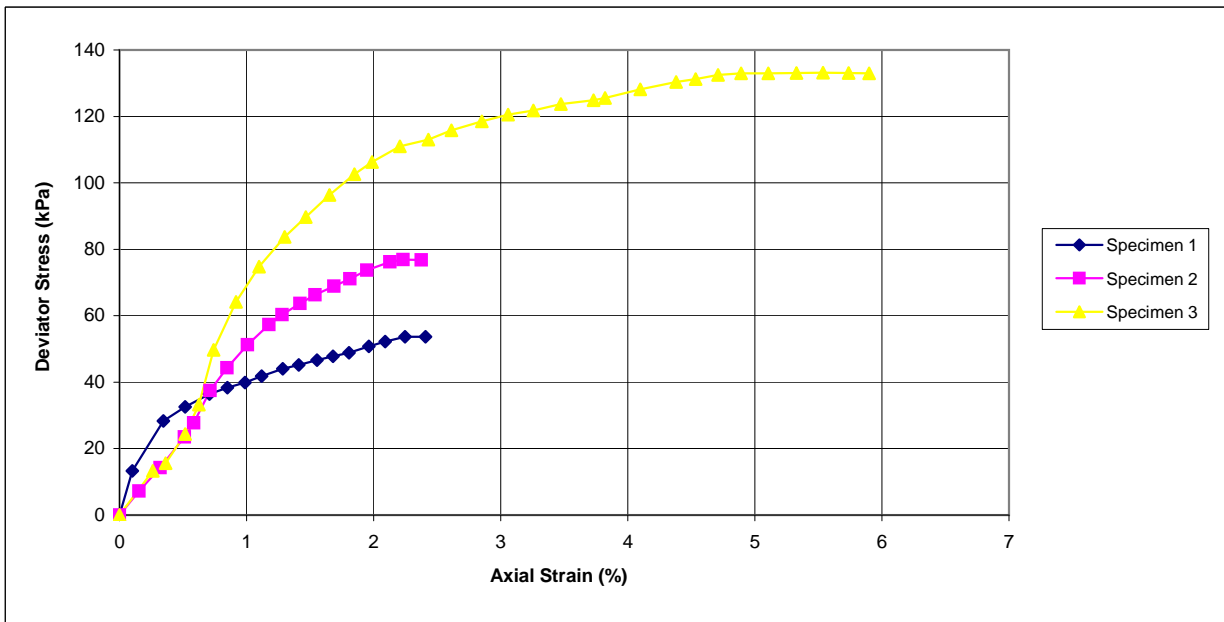
Specimen 2

Specimen 3

### Specimen Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmund's Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	3.00	3.00	3.00
Date	01/10/2012	01/10/2012	01/10/2012

### Shearing Stage



Date:   
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 Approved by:   
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 Date: 15/10/2012

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

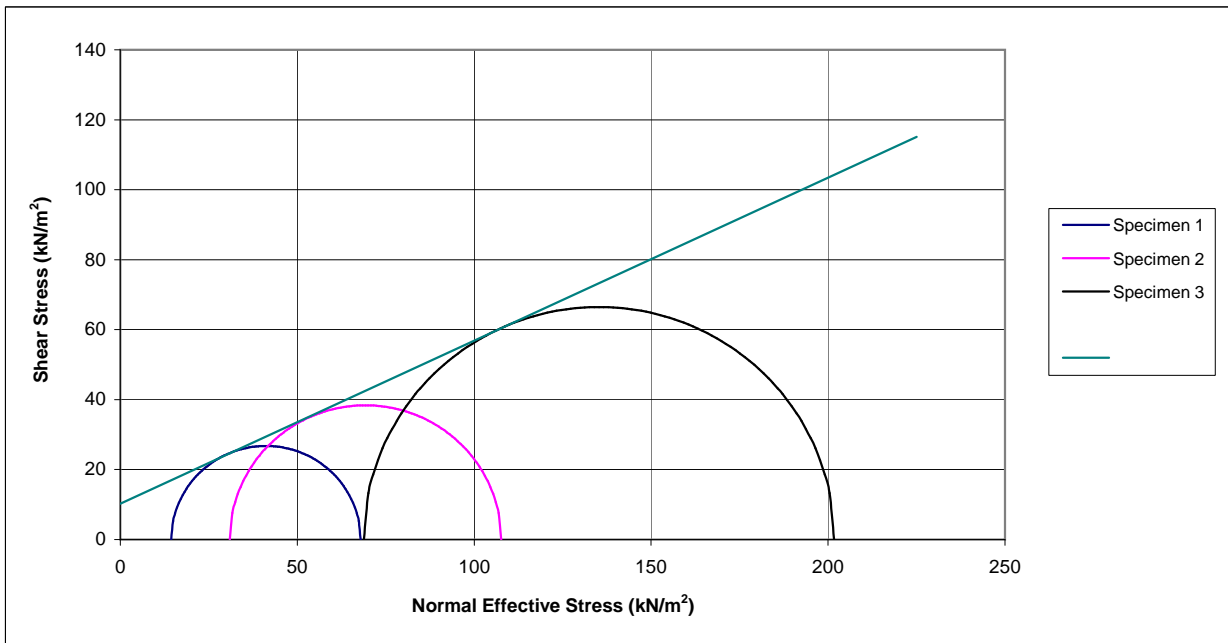
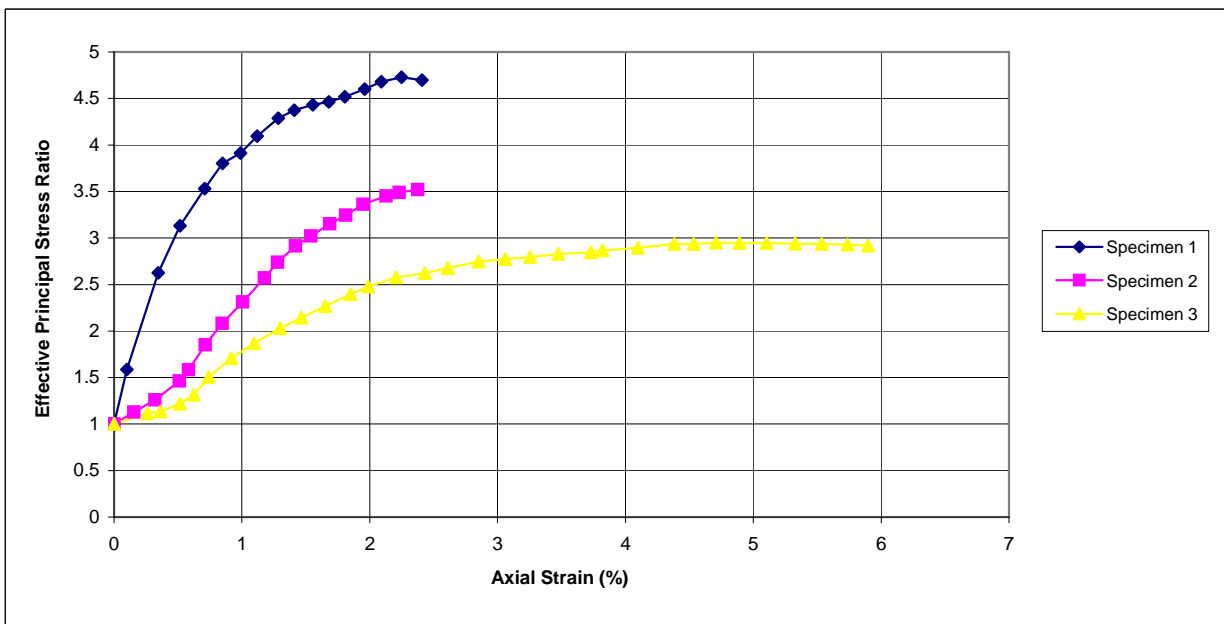
Specimen 2

Specimen 3

### Sample Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmund's Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	3.00	3.00	3.00
Date	01/10/2012	01/10/2012	01/10/2012

### Shearing Stage



Date:   
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 Date: 15/10/2012

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

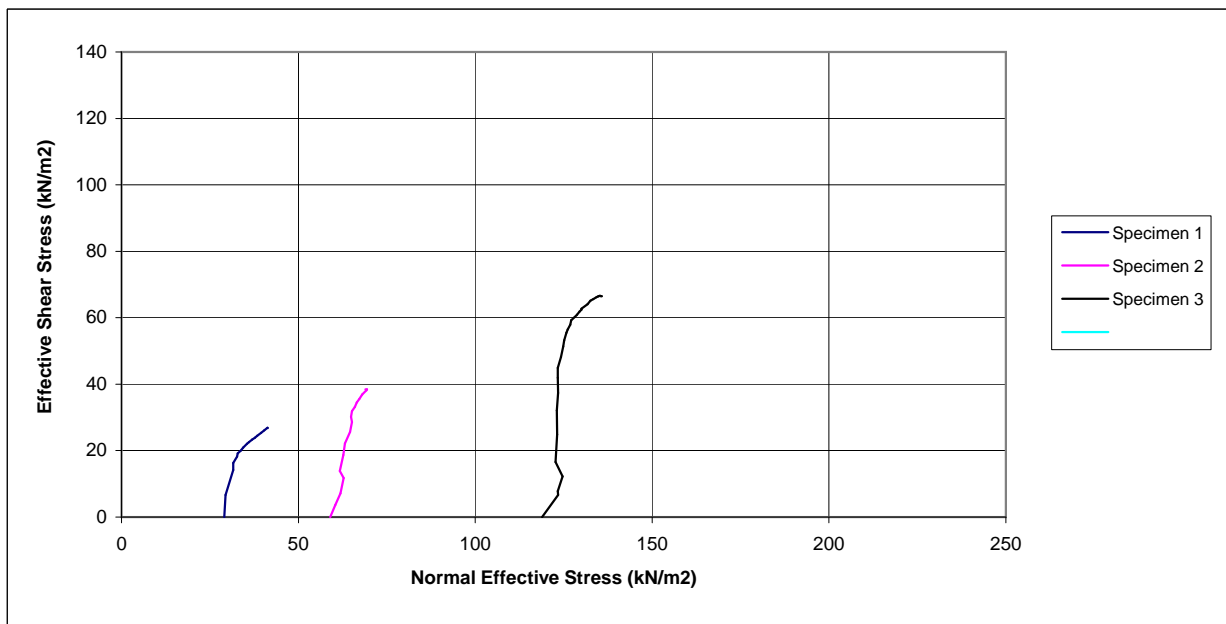
Specimen 2

Specimen 3

### Sample Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmund's Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	3.00	3.00	3.00
Date	01/10/2012	01/10/2012	01/10/2012

### Shearing Stage



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 Date:

# K4 Soils laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen Details	Specimen 1	Specimen 2	Specimen 3
Job Ref.	13381		
Job Location	Edmunds Terrace		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth <span style="float: right;">m</span>	5.00	5.00	5.00
Date	20/09/2012	20/09/2012	20/09/2012
Disturbed / Undisturbed	undisturbed	undisturbed	undisturbed

### Description of Specimen

Brown and blue grey slightly silty CLAY with occasional selenite crystals
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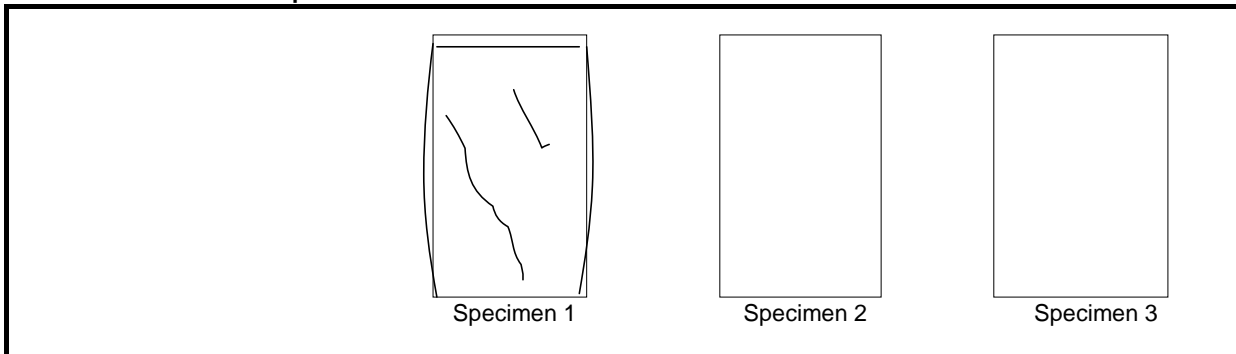
### Initial Specimen Conditions

Height	mm	206.00		
Diameter	mm	105.00		
Area	mm <sup>2</sup>	8659.01		
Volume	cm <sup>3</sup>	1783.76		
Mass	g	3360.70		
Dry Mass	g	2554.50		
Density	Mg/m <sup>3</sup>	1.88		
Dry Density	Mg/m <sup>3</sup>	1.43		
Moisture Content	%	31.56		
Degree of Saturation	%	95.45		
Specific Gravity	(assumed/measured)	2.72 assumed		

### Final Specimen Conditions

Moisture Content	%		32.00
Density	Mg/m <sup>3</sup>		1.96
Dry Density	Mg/m <sup>3</sup>		1.49

### Sketch of Failure of the Specimen



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 Checked by: \_\_\_\_\_  
 Approved by: \_\_\_\_\_  
 Filename: Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at500+1.xls\Report  
 Date: 19/10/2012

# K4 Soils laboratory

## Consolidated Undrained Triaxial Compression Test

BS 1377 : Part 8 : 1990

Specimen Details	Specimen 1	Specimen 2	Specimen 3
Job Ref.	13381		
Job Location	Edmunds Terrace		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth <span style="float: right;">m</span>	5.00	5.00	5.00
Date	20/09/2012	20/09/2012	20/09/2012

Test Setup	Specimen 1	Specimen 2	Specimen 3
Date started	20/09/2012	20/09/2012	20/09/2012
Date Finished	18/10/2012	18/10/2012	18/10/2012
Top Drain Used	y	y	y
Base Drain Used	n	n	n
Side Drains Used	y	y	y
Pressure System Number	1	1	1
Cell Number	1	1	1

Saturation	Specimen 1	Specimen 2	Specimen 3
Cell Pressure Incr. <span style="float: right;">kPa</span>	500.00		
Back Pressure Incr. <span style="float: right;">kPa</span>	0.00		
Differential Pressure <span style="float: right;">kPa</span>	500.00		
Final Cell Pressure <span style="float: right;">kPa</span>	500.00		
Final Pore Pressure <span style="float: right;">kPa</span>	485.20		
Final B Value	0.97		

Consolidation	Specimen 1	Specimen 2	Specimen 3
Effective Pressure <span style="float: right;">kPa</span>	50.00	100.00	200.00
Cell Pressure <span style="float: right;">kPa</span>	350.00	400.00	500.00
Back Pressure <span style="float: right;">kPa</span>	300.00	300.00	300.00
Excess Pore Pressure <span style="float: right;">kPa</span>	30.70	45.80	88.65
Pore Pressure at End <span style="float: right;">kPa</span>	292.40	299.40	300.30
Consolidated Volume <span style="float: right;">cm<sup>3</sup></span>	1754.06	1718.26	1683.41
Volumetric Strain	0.005550083	0.006803276	0.006760727
Consolidated Height <span style="float: right;">mm</span>	204.86	200.36	196.00
Consolidated Area <span style="float: right;">mm<sup>2</sup></span>	8562.90	8576.48	8589.61
Vol. Compressibility <span style="float: right;">m<sup>2</sup>/MN</span>	0.43473	0.43987	0.22957
Consolidation Coef. <span style="float: right;">m<sup>2</sup>/yr.</span>			

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 Date:   
 Checked by:   
 Approved by:   
 Filename: Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at500+1.xls\Report   
 Date: 19/10/2012



# K4 Soils laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

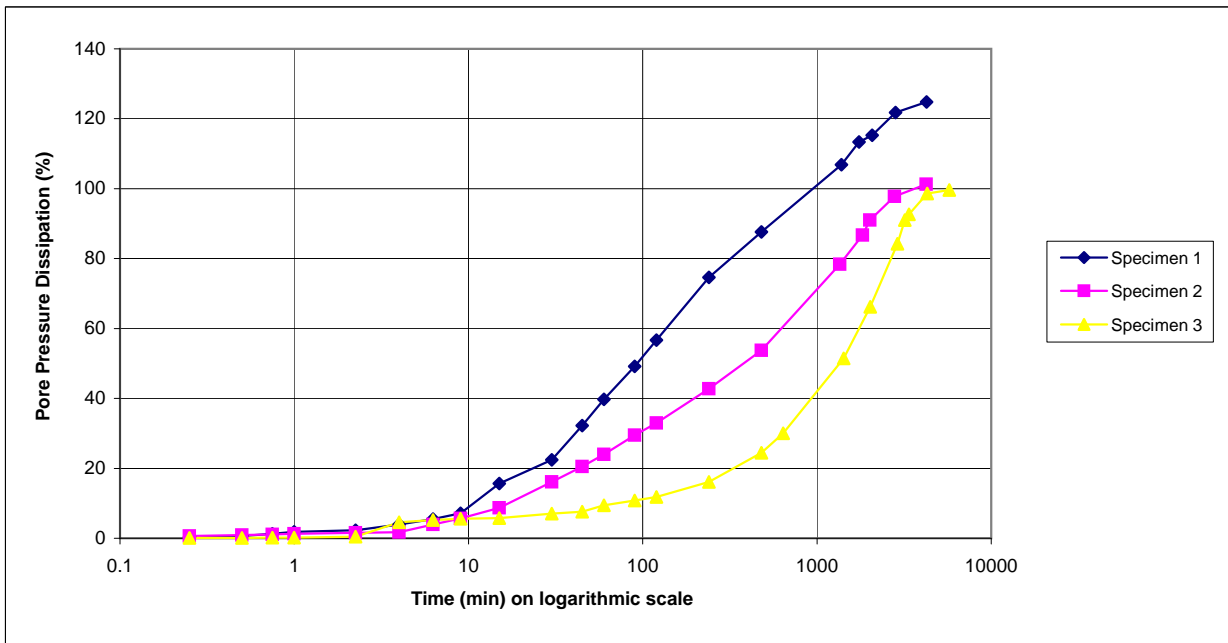
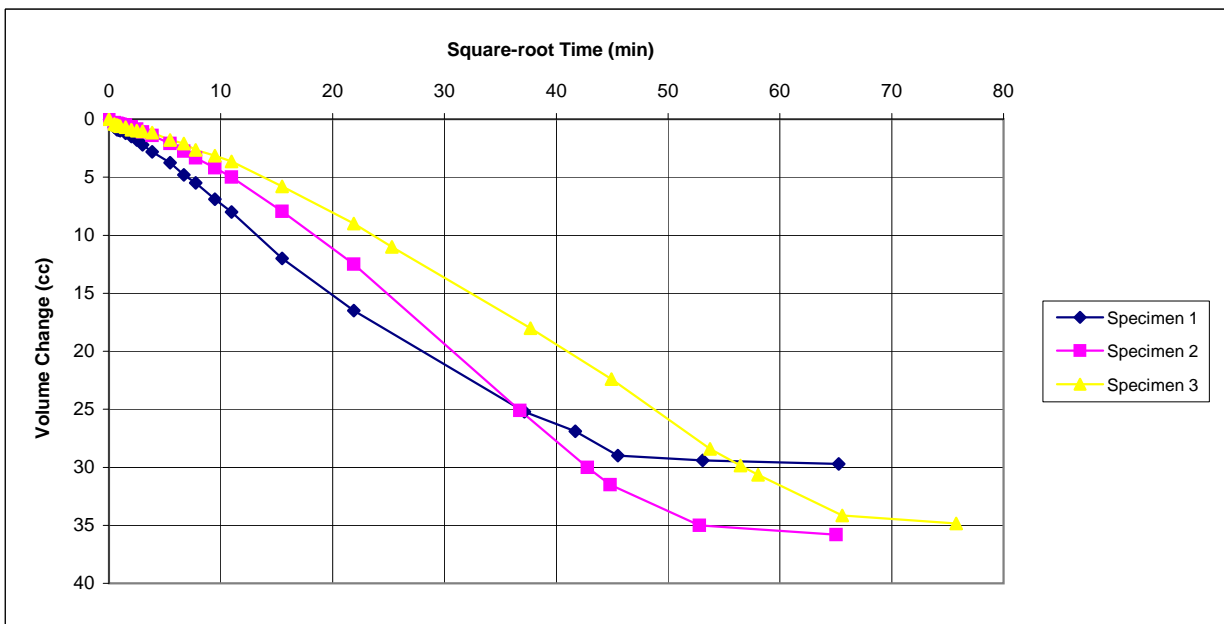
Specimen 2

Specimen 3

### Specimen Details

Job Ref.	13381		
Job Location	Edmunds Terrace		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	5.00	5.00	5.00
Date	20/09/2012	20/09/2012	20/09/2012

### Consolidation Stage



Date:   
 Date:   
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 Filename: Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at500+1.xls\Report   
 Date: 19/10/2012

# K4 Soils laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

	Specimen 1	Specimen 2	Specimen 3
<b>Specimen Details</b>			
Job Ref.	13381		
Job Location	Edmunds Terrace		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth m	5.00	5.00	5.00
Date	20/09/2012	20/09/2012	20/09/2012

<b>Shearing</b>			
Initial Cell Pressure	kPa	350	400
Initial Pore Pressure	kPa	292	288.8
Rate of Strain	%/hour	0.349514563	0.356900882
			500
			299.4
			0.364863239
<b>Max Deviator Stress</b>			
Axial Strain		1.328	1.512
Axial Stress	kPa	48.49	69.81
Cor. Deviator stress	kPa	47.89	69.15
Effective Major Stress	kPa	85.69	149.25
Effective Minor Stress	kPa	37.60	79.90
Effective Stress Ratio		2.279	1.868
s'	kPa	61.65	114.57
t'	kPa	24.05	34.67
Shear Resistance Angle	degs	18.00	18.00
Cohesion c'	kPa	0.00	0.00
			2.781
			114.54
			113.78
			243.68
			129.70
			1.879
			186.69
			56.99
			18.00
			0.00
<b>Max Effective Principle Stress Ratio</b>			
Axial Strain		1.328	1.512
Axial Stress	kPa	48.49	69.81
Cor. Deviator stress	kPa	47.89	69.15
Effective Major Stress	kPa	85.69	149.25
Effective Minor Stress	kPa	37.60	79.90
Effective Stress Ratio		2.279	1.868
s'	kPa	61.65	114.57
t'	kPa	24.05	34.67
			2.602
			114.37
			113.61
			243.21
			129.40
			1.880
			186.31
			56.91

Date:   
 Date:   
 Checked by:   
 Approved by:   
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 19/10/2012   
 Filename:   
 Date:

# K4 Soils laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

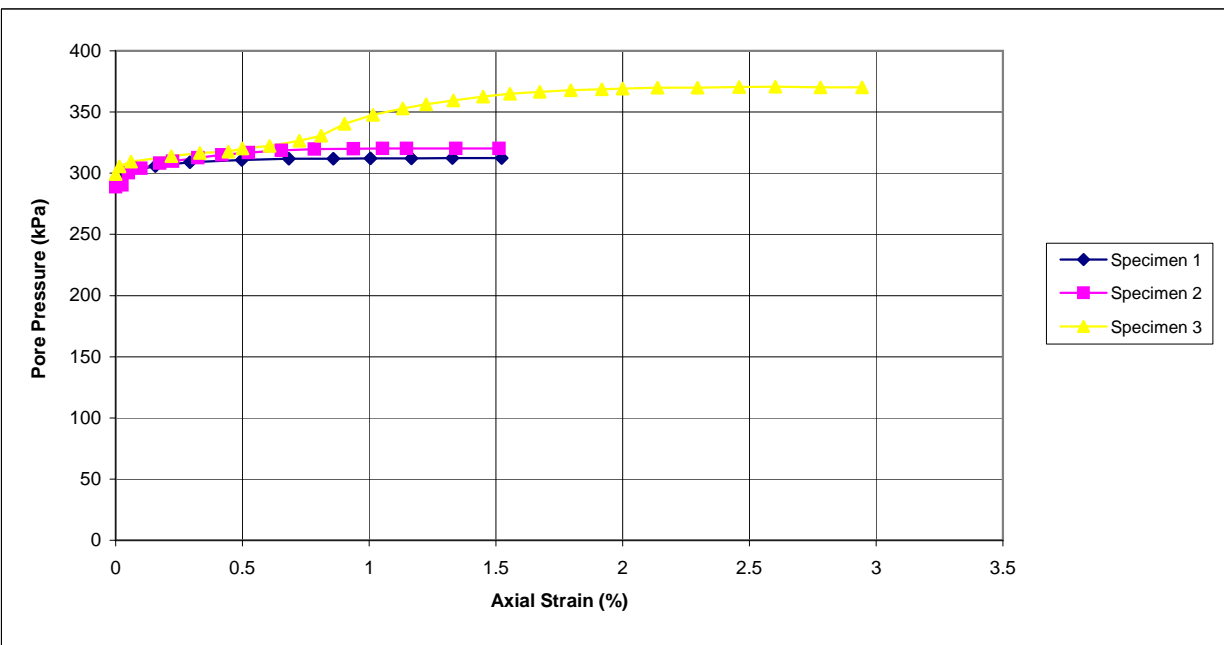
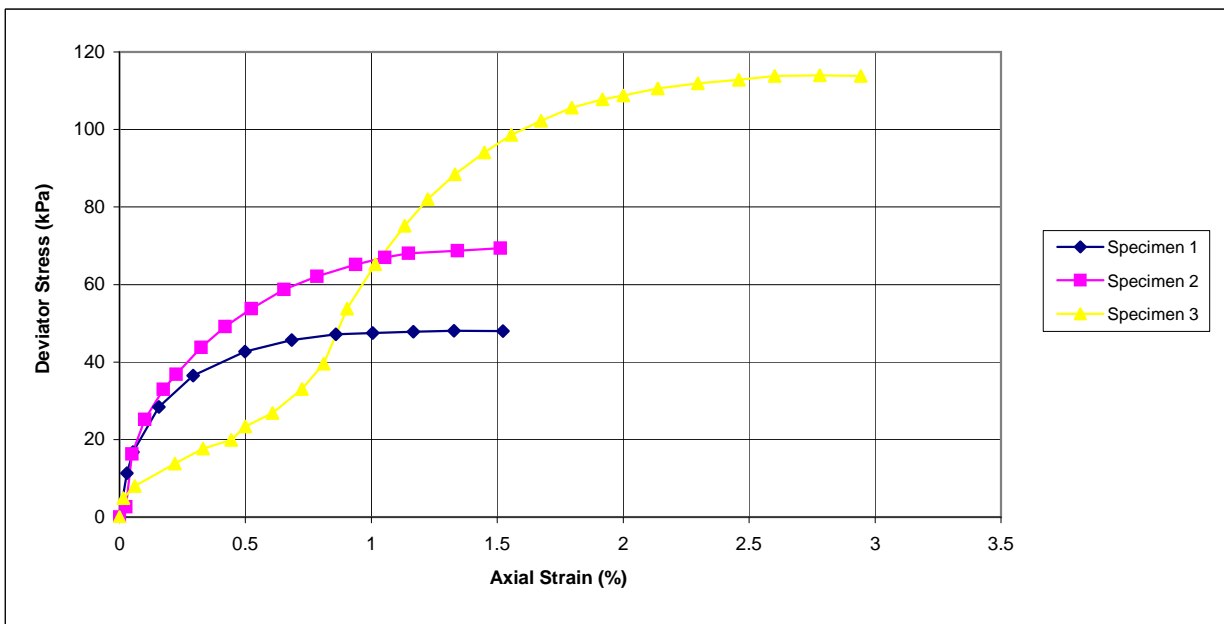
Specimen 2

Specimen 3

### Specimen Details

Job Ref.	13381		
Job Location	Edmunds Terrace		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	5.00	5.00	5.00
Date	20/09/2012	20/09/2012	20/09/2012

### Shearing Stage



Date:   
 Date:   
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 Approved by:   
 Filename: Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at500+1.xls\Report   
 Date: 19/10/2012

# K4 Soils laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

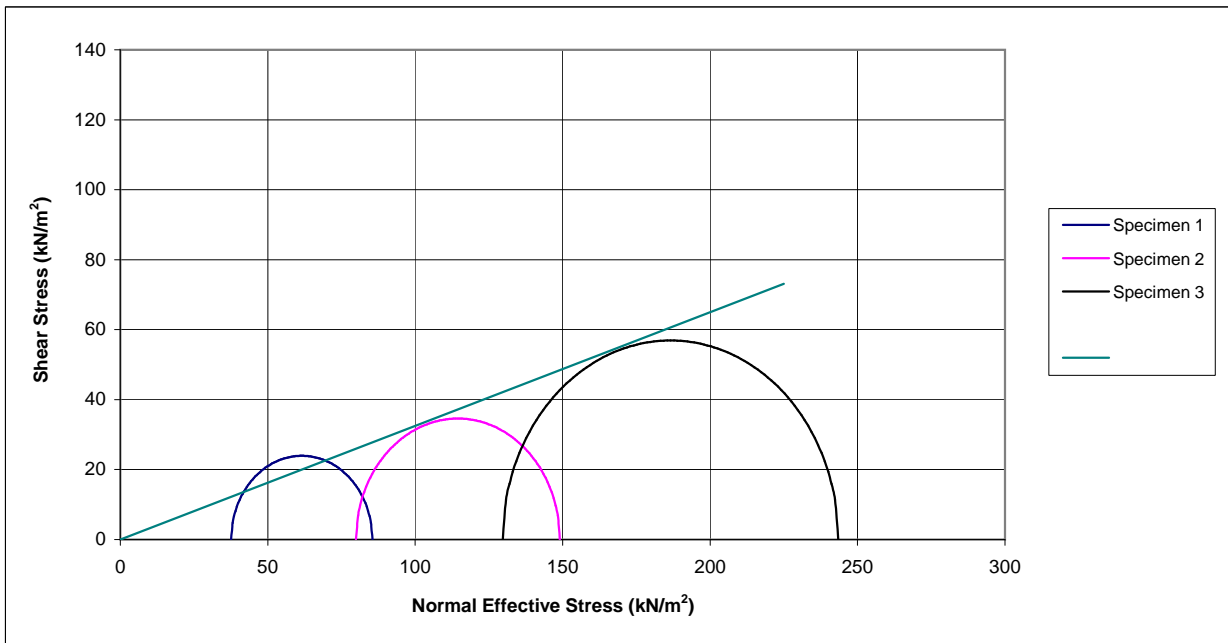
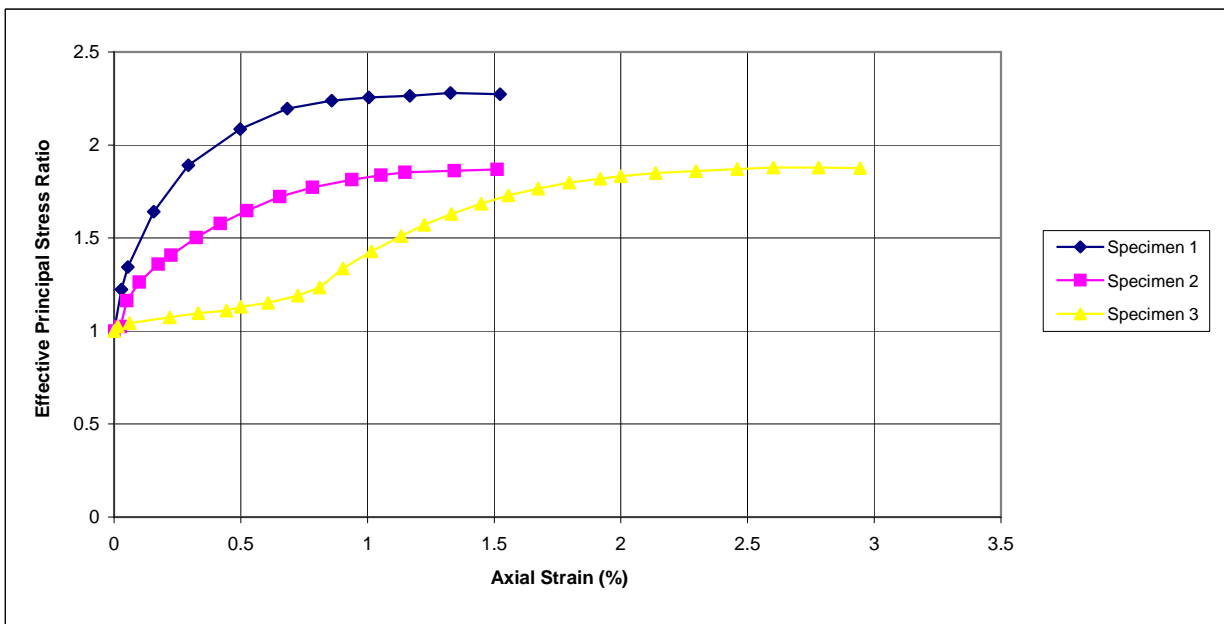
Specimen 2

Specimen 3

### Sample Details

Job Ref.	13381		
Job Location	Edmunds Terrace		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	5.00	5.00	5.00
Date	20/09/2012	20/09/2012	20/09/2012

### Shearing Stage



Date:   
 Date:   
 Checked by:   
 Approved by:   
 Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at500+1.xls\Report   
 19/10/2012   
 Filename:   
 Date:

# K4 Soils laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

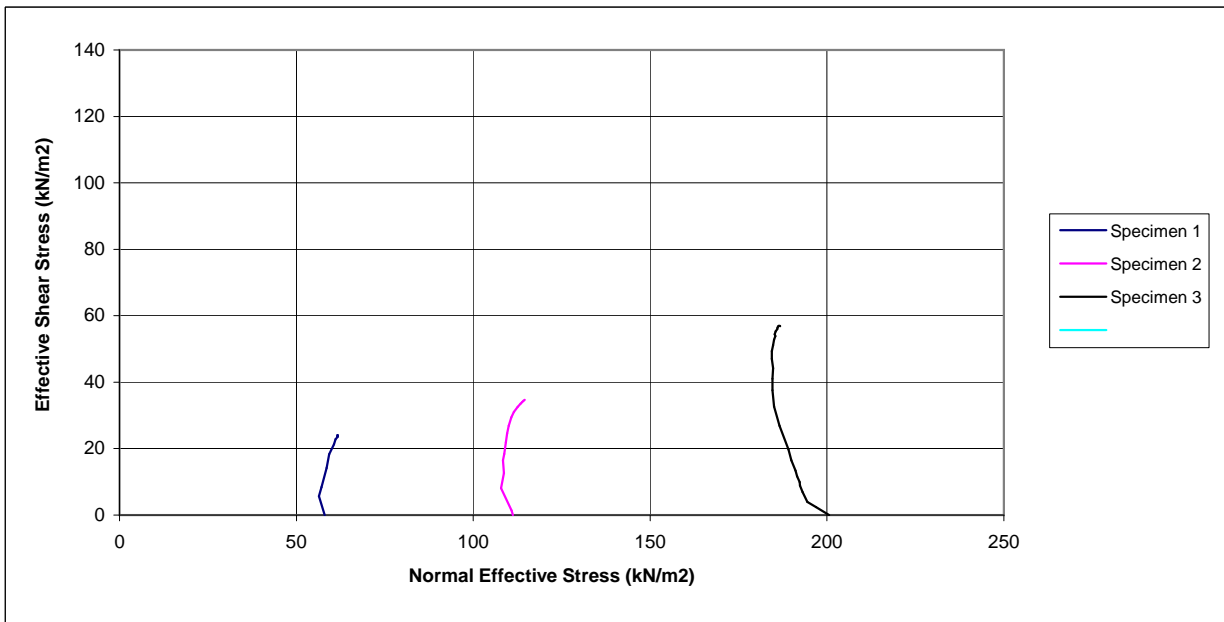
Specimen 2

Specimen 3

### Sample Details

Job Ref.	13381		
Job Location	Edmunds Terrace		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	5.00	5.00	5.00
Date	20/09/2012	20/09/2012	20/09/2012

### Shearing Stage



Date:   
 Date:   
 Checked by:   
 Approved by:   
 Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at500+1.xls\Report   
 19/10/2012   
 Filename:   
 Date:

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen Details	Specimen 1	Specimen 2	Specimen 3
Job Ref.	13381		
Job Location	Barrie House, 29 St Edmunds Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth m	7.00	7.00	7.00
Date	21/09/2012	21/09/2012	21/09/2012
Disturbed / Undisturbed	undisturbed	undisturbed	undisturbed

### Description of Specimen

Brown CLAY with selenite crystals
-----------------------------------

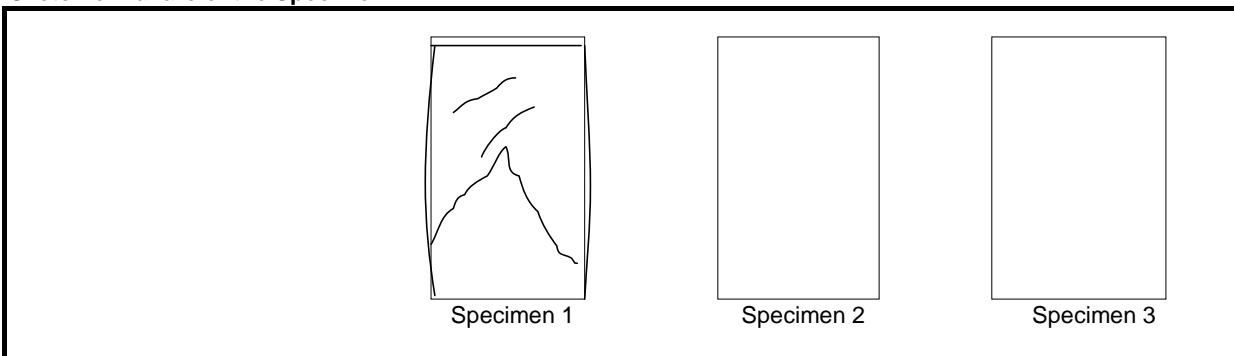
### Initial Specimen Conditions

Height	mm	206.00		
Diameter	mm	105.00		
Area	mm <sup>2</sup>	8659.01		
Volume	cm <sup>3</sup>	1783.76		
Mass	g	3433.90		
Dry Mass	g	2666.71		
Density	Mg/m <sup>3</sup>	1.93		
Dry Density	Mg/m <sup>3</sup>	1.49		
Moisture Content	%	28.77		
Degree of Saturation	%	95.50		
Specific Gravity		2.72		
(assumed/measured)		assumed		

### Final Specimen Conditions

Moisture Content	%			28.68
Density	Mg/m <sup>3</sup>			2.00
Dry Density	Mg/m <sup>3</sup>			1.55

### Sketch of Failure of the Specimen



# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test

BS 1377 : Part 8 : 1990

Specimen 1

Specimen 2

Specimen 3

### Specimen Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmunds Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	7.00	7.00	7.00
Date	21/09/2012	21/09/2012	21/09/2012

### Test Setup

Date started	21/09/2012		
Date Finished	10/10/2012		
Top Drain Used	y		
Base Drain Used	n		
Side Drains Used	y		
Pressure System Number	1		
Cell Number	1		

### Saturation

Cell Pressure Incr.	kPa	400.00		
Back Pressure Incr.	kPa	0.00		
Differential Pressure	kPa	400.00		
Final Cell Pressure	kPa	400.00		
Final Pore Pressure	kPa	383.60		
Final B Value		0.96		

### Consolidation

Effective Pressure	kPa	70.00	140.00	280.00
Cell Pressure	kPa	370.00	440.00	580.00
Back Pressure	kPa	300.00	300.00	300.00
Excess Pore Pressure	kPa	46.20	79.80	158.30
Pore Pressure at End	kPa	300.20	301.90	312.00
Consolidated Volume	cm <sup>3</sup>	1752.76	1717.46	1678.06
Volumetric Strain		0.005793016	0.006713233	0.007646965
Consolidated Height	mm	204.81	196.72	188.45
Consolidated Area	mm <sup>2</sup>	8558.69	8731.40	8905.36
Vol. Compressibility	m <sup>2</sup> /MN	0.37781	0.25853	0.15681
Consolidation Coef.	m <sup>2</sup> /yr.			

Date:   
 Checked by:   
 Approved by:   
 Filename: Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at700.xlsjReport   
 Date: 15/10/2012

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

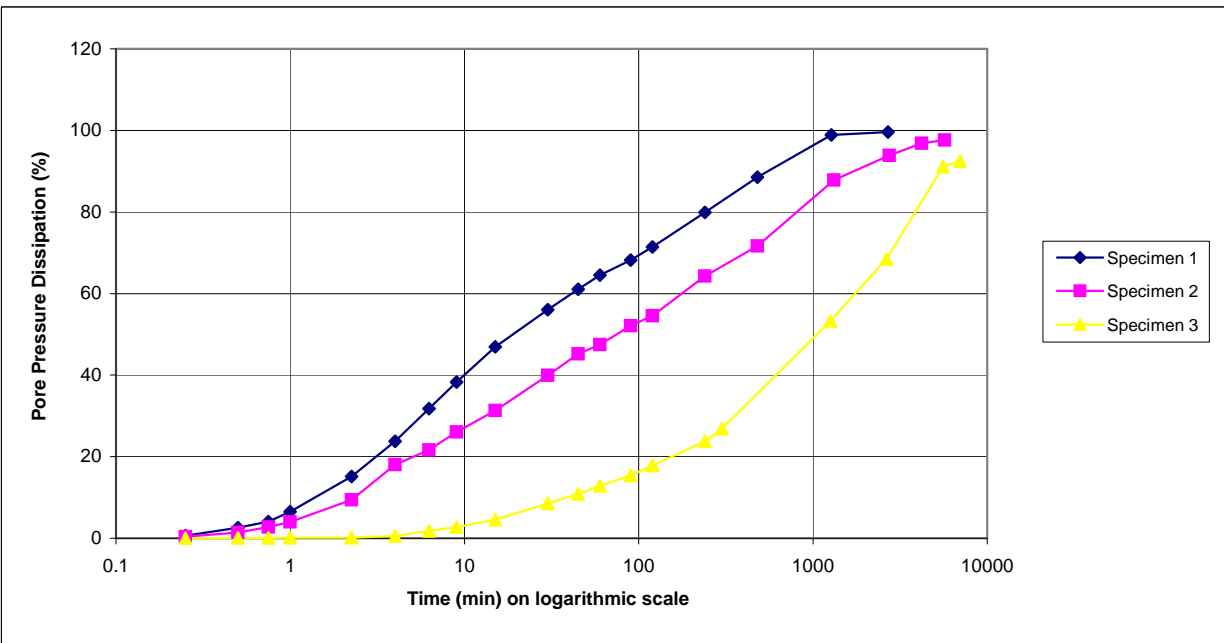
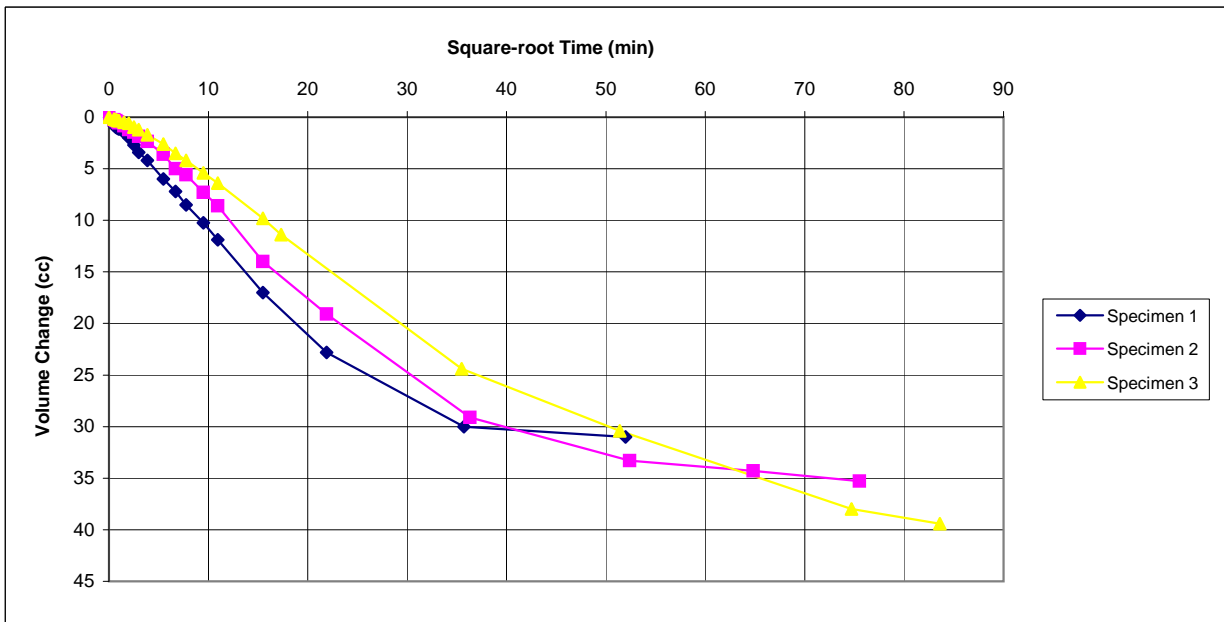
Specimen 2

Specimen 3

### Specimen Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmunds Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	7.00	7.00	7.00
Date	21/09/2012	21/09/2012	21/09/2012

### Consolidation Stage



Date:   
 Checked by:   
 Approved by:   
 Filename: Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at700.xls\Report   
 Date: 15/10/2012



# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

Specimen 2

Specimen 3

### Specimen Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmunds Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth m	7.00	7.00	7.00
Date	21/09/2012	21/09/2012	21/09/2012

### Shearing

Initial Cell Pressure kPa	370	440	580
Initial Pore Pressure kPa	300.2	301.5	300.5
Rate of Strain %/hour	0.582524272	0.605917883	0.631887889

### Max Deviator Stress

Axial Strain	3.301	3.462	3.667
Axial Stress kPa	83.90	135.60	229.71
Cor. Deviator stress kPa	83.28	134.91	228.89
Effective Major Stress kPa	121.18	213.51	395.39
Effective Minor Stress kPa	37.70	78.40	166.30
Effective Stress Ratio	3.214	2.723	2.378
s' kPa	79.44	145.96	280.84
t' kPa	41.74	67.56	114.54
Shear Resistance Angle degs	21.07	21.07	21.07
Cohesion c' kPa	14.87	14.87	14.87

### Max Effective Principle Stress Ratio

Axial Strain	3.301	3.020	3.667
Axial Stress kPa	83.90	134.72	229.71
Cor. Deviator stress kPa	83.28	134.04	228.89
Effective Major Stress kPa	121.18	211.44	395.39
Effective Minor Stress kPa	37.70	77.20	166.30
Effective Stress Ratio	3.214	2.739	2.378
s' kPa	79.44	144.32	280.84
t' kPa	41.74	67.12	114.54

Date:   
 Date:   
 Checked by:   
 Approved by:   
 Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at700.xls\Report   
 15/10/2012   
 Filename:   
 Date:

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

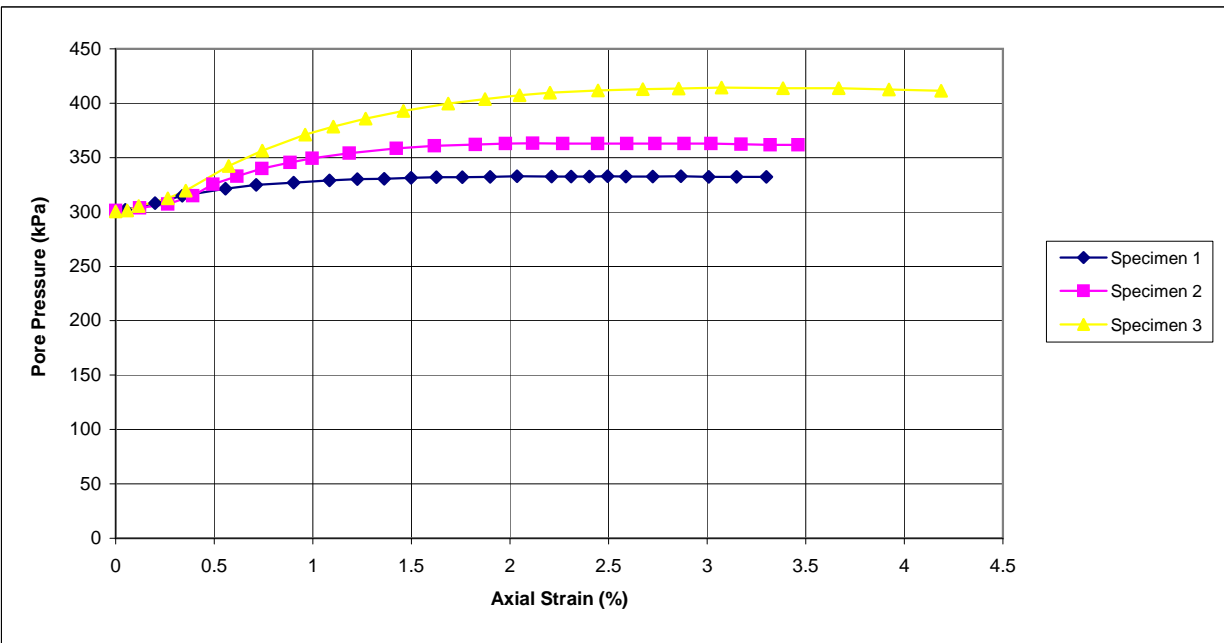
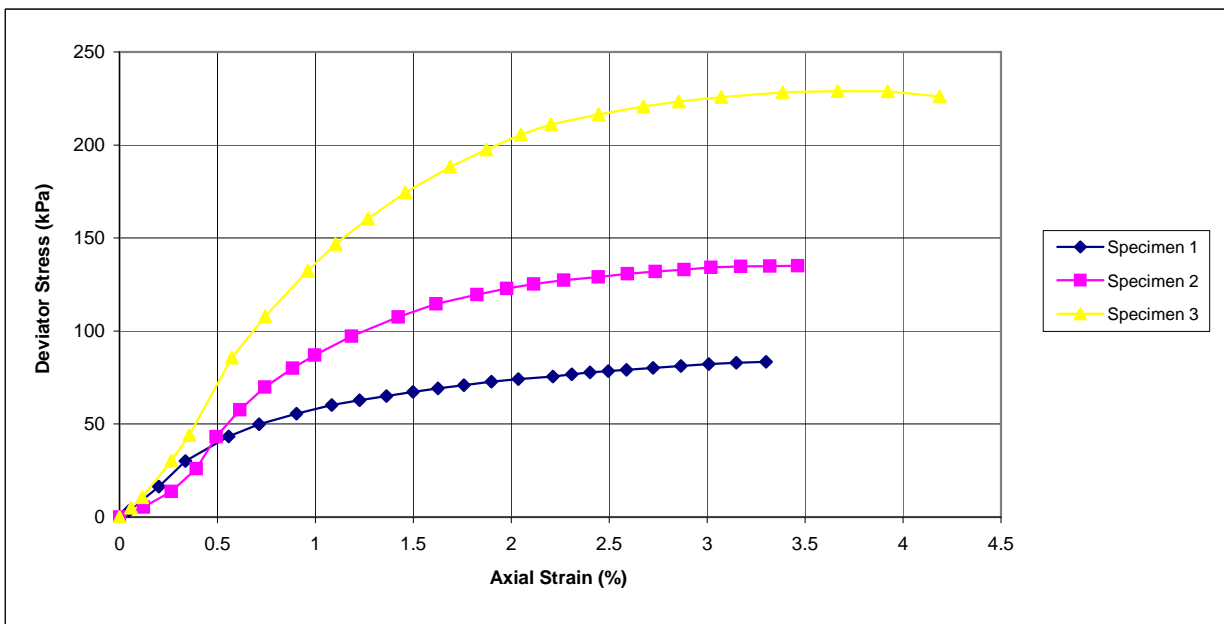
Specimen 2

Specimen 3

### Specimen Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmunds Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	7.00	7.00	7.00
Date	21/09/2012	21/09/2012	21/09/2012

### Shearing Stage



Date:   
 Date:   
 Checked by:   
 Approved by:   
 Filename: Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at700.xls\Report   
 Date: 15/10/2012

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

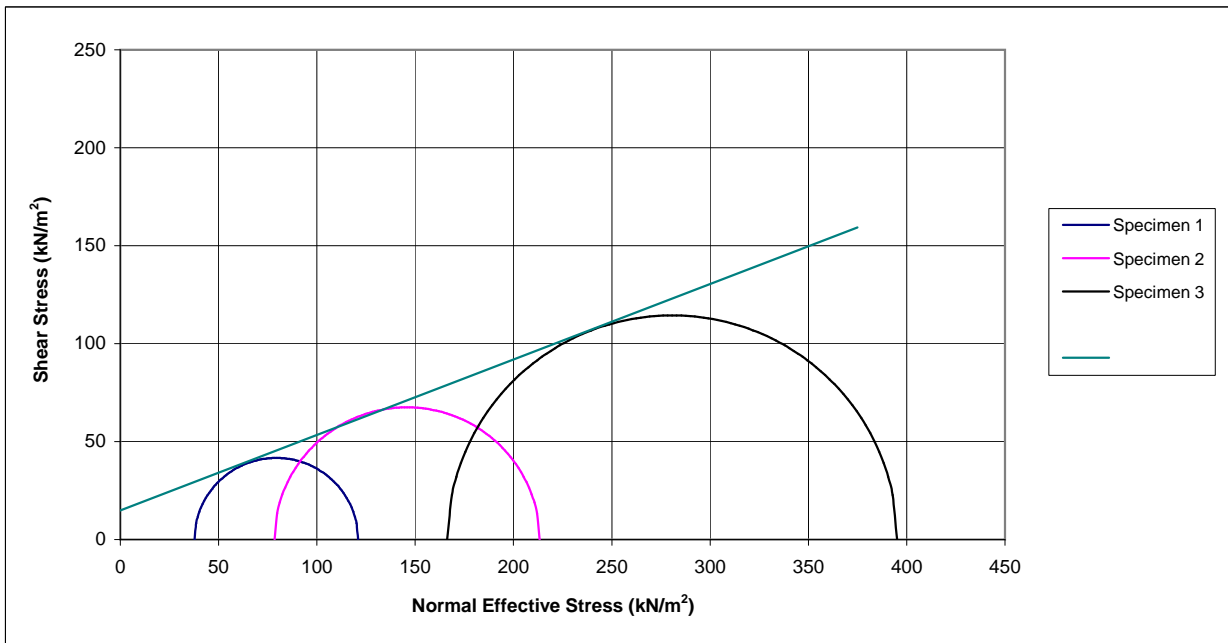
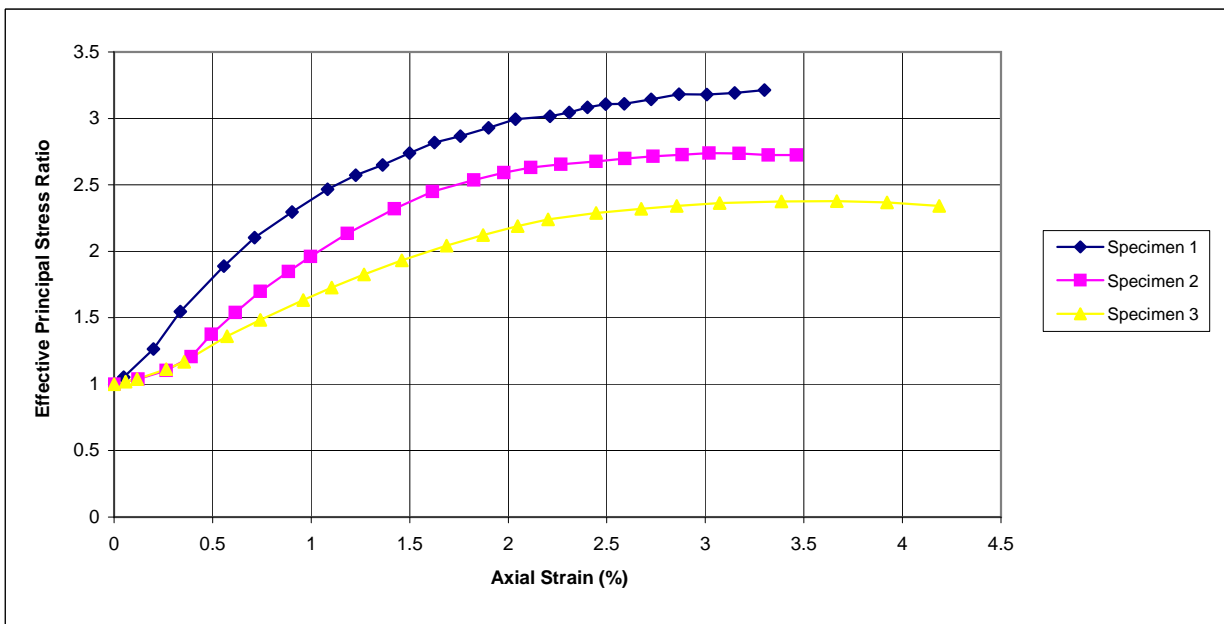
Specimen 2

Specimen 3

### Sample Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmunds Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	7.00	7.00	7.00
Date	21/09/2012	21/09/2012	21/09/2012

### Shearing Stage



Date:   
 Date:   
 Checked by:   
 Approved by:   
 Filename: Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at700.xls\Report   
 Date: 15/10/2012

# K4 Soils Laboratory

## Consolidated Undrained Triaxial Compression Test BS 1377 : Part 8 : 1990

Specimen 1

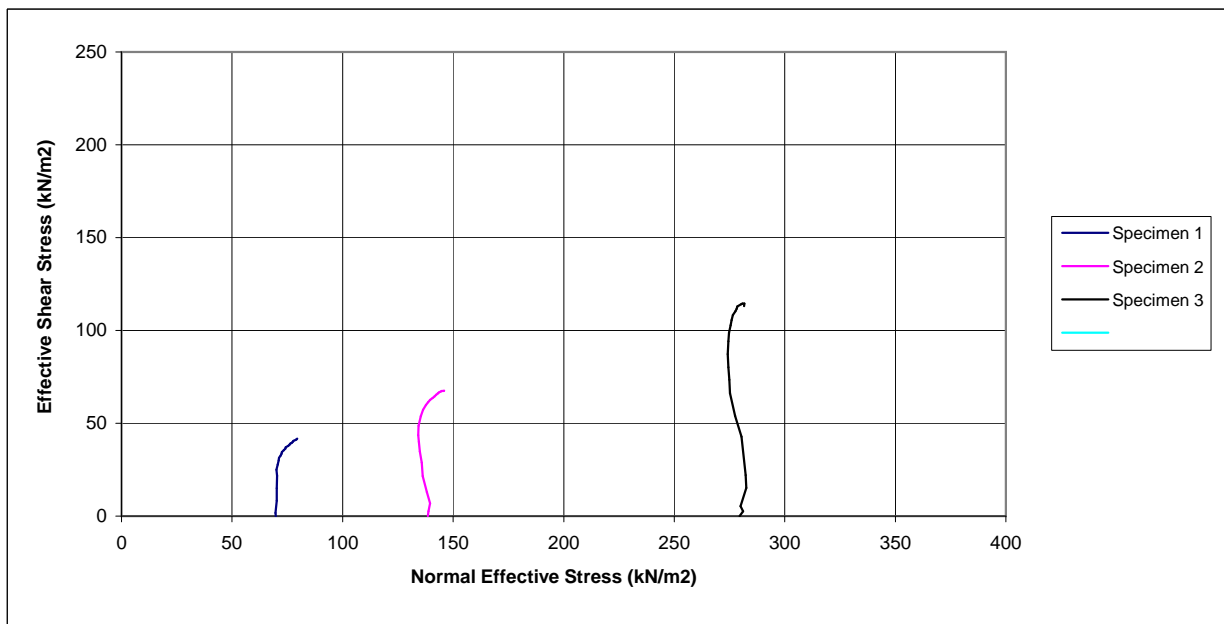
Specimen 2

Specimen 3

### Sample Details

Job Ref.	13381		
Job Location	Barrie House, 29 St Edmunds Terrace, London, NW8 7QH		
Borehole	BH1	BH1	BH1
Sample No.	U2	U2	U2
Depth	7.00	7.00	7.00
Date	21/09/2012	21/09/2012	21/09/2012

### Shearing Stage



Date:   
 Date:   
 Checked by:   
 Approved by:   
 Y:\2012\CLIENTS\Soils Consultants\13381\13381bh1at700.xls\Report   
 15/10/2012   
 Filename:   
 Date:

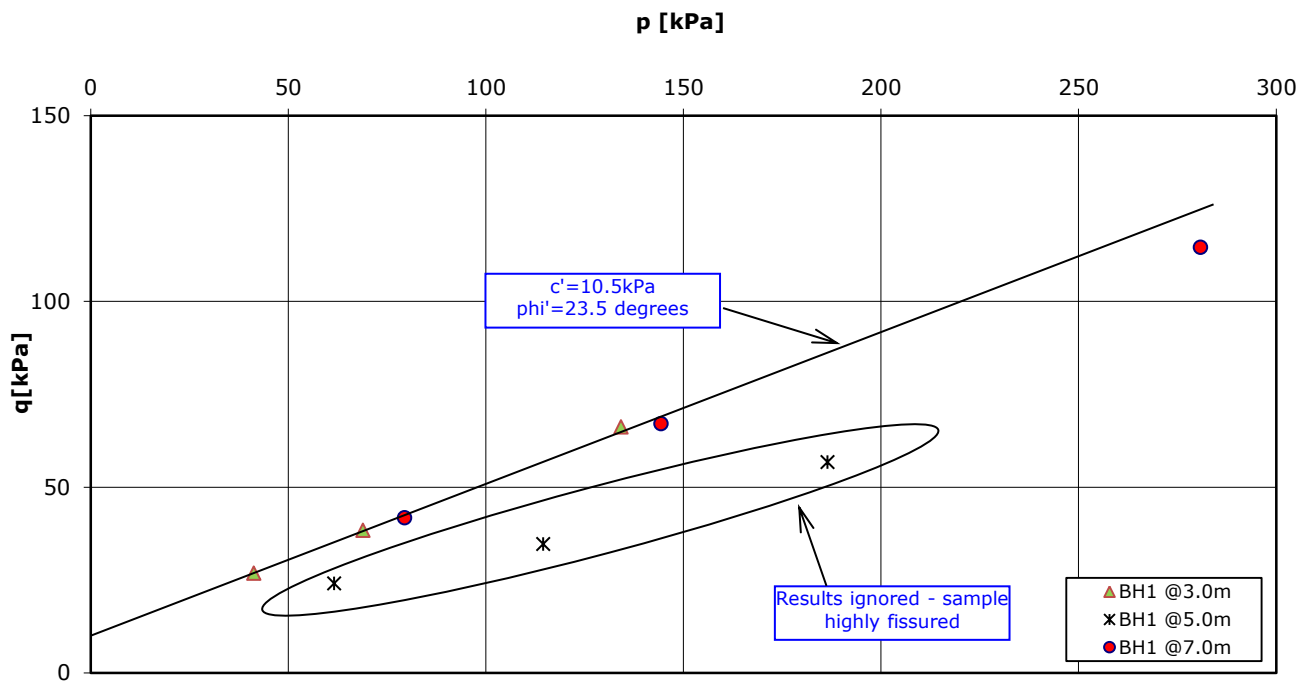
Site  
Location

**Barrie House**  
**29 St Edmund's Terrace, London NW8 7QH**

Report  
No:

**9241/OT**

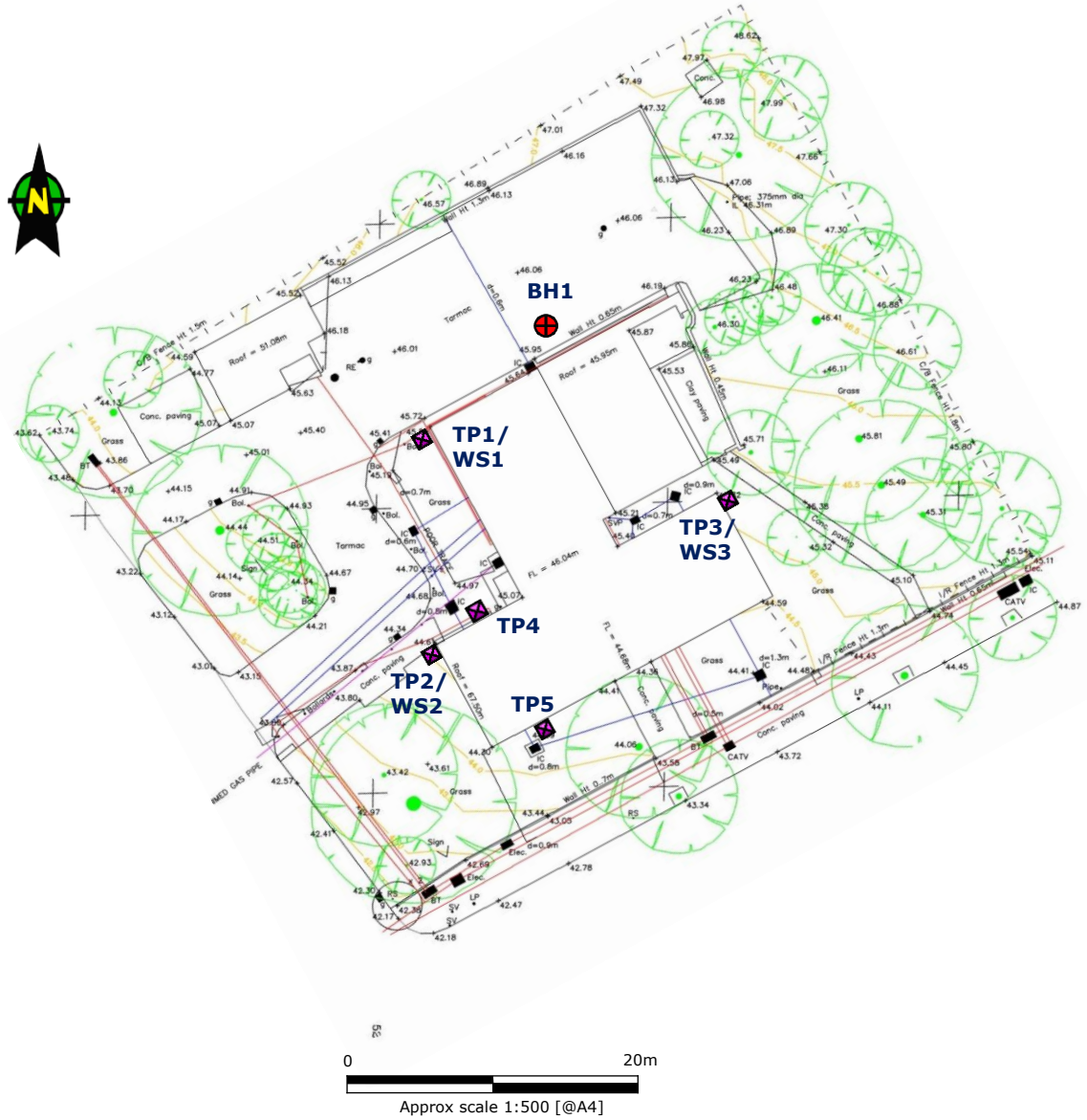
### p-q Plot



**Notes:**

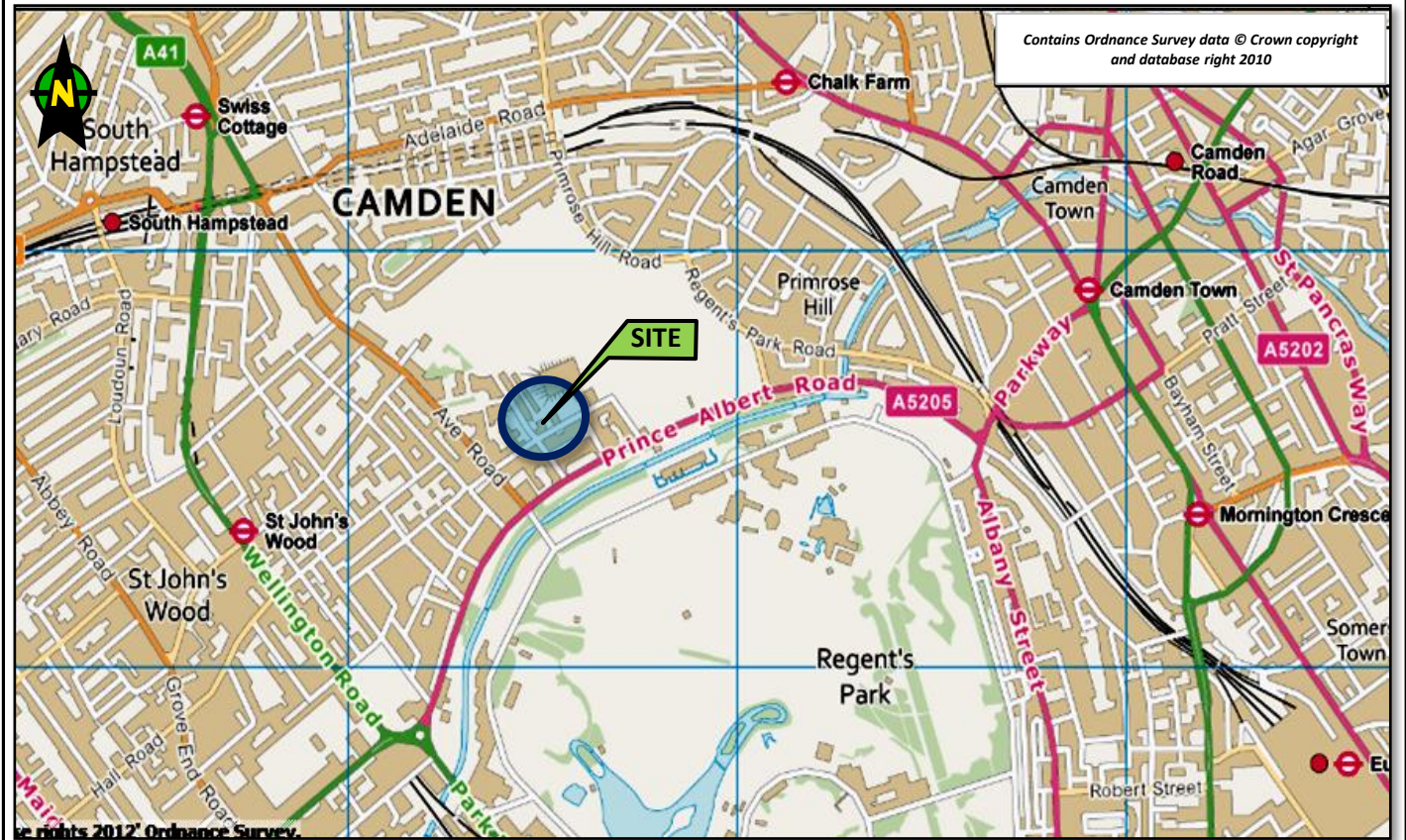
Summary of multistage consolidated underdrained triaxial tests with pore pressure measurement on BH1 samples by K4 Soils Laboratory

### Site Plan



Site Location	<b>Barrie House</b> <b>29 St Edmund's Terrace, London NW8 7QH</b>	Report No <b>9241/OT</b>
---------------	--	-----------------------------

### Location Map



Approx NGR of site 527495E, 183575N

## APPENDIX 4 Thame Water Asset Search

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# Asset Location Search



MW-Architects  
66-68 Maragaret St  
LONDON  
W1W 8SR

**Search address supplied**      Barrie House  
29  
St. Edmunds Terrace  
London  
NW8 7QH

**Your reference**                      16033

**Our reference**                        ALS/ALS Standard/2017\_3490727

**Search date**                            18 January 2017

## Notification of Price Changes...

From **1 September 2016** Thames Water Property Searches will be increasing the prices of its Asset Location Searches. This will be the first price rise in three years and is in line with the RPI at 1.84%. The increase follows significant capital investment in improving our systems and infrastructure.

Enquiries received with a higher payment prior to 1 September 2016 will be non-refundable. For further details on the price increase please visit our website at

[www.thameswater-propertysearches.co.uk](http://www.thameswater-propertysearches.co.uk)



# Asset Location Search



**Search address supplied:** Barrie House, 29, St. Edmunds Terrace, London, NW8 7QH

Dear Sir / Madam

**An Asset Location Search is recommended when undertaking a site development.** It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

The following records were searched in compiling this report: - the map of public sewers & the map of waterworks. Thames Water Utilities Ltd (TWUL) holds all of these.

This search provides maps showing the position, size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

## Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team on 0845 070 9148, or use the address below:

Thames Water Utilities Ltd  
Property Searches  
PO Box 3189  
Slough  
SL1 4WW

Email: [searches@thameswater.co.uk](mailto:searches@thameswater.co.uk)

Web: [www.thameswater-propertysearches.co.uk](http://www.thameswater-propertysearches.co.uk)

# Asset Location Search



## Waste Water Services

**Please provide a copy extract from the public sewer map.**

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority.

Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners.

This report relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus.

The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Any private sewers or lateral drains which are indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an 'as constructed' record. It is recommended these details be checked with the developer.

## Clean Water Services

**Please provide a copy extract from the public water main map.**

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies.

For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer Centre on 0800 316 9800. The Customer Centre can also arrange for a full flow and

# Asset Location Search



pressure test to be carried out for a fee.

For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only.
- If an extract of the public water main record is enclosed, this will show known public water mains in the vicinity of the property. It should be possible to estimate the likely length and route of any private water supply pipe connecting the property to the public water network.

## **Payment for this Search**

A charge will be added to your suppliers account.

# Asset Location Search



## Further contacts:

### Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. For further information please contact our Customer Centre on Tel: 0845 920 0800. Alternatively, a survey can be arranged, for a fee, through our Customer Centre on the above number.

If you have any questions regarding sewer connections, budget estimates, diversions, building over issues or any other questions regarding operational issues please direct them to our service desk. Which can be contacted by writing to:

Developer Services (Waste Water)  
Thames Water  
Clearwater Court  
Vastern Road  
Reading  
RG1 8DB

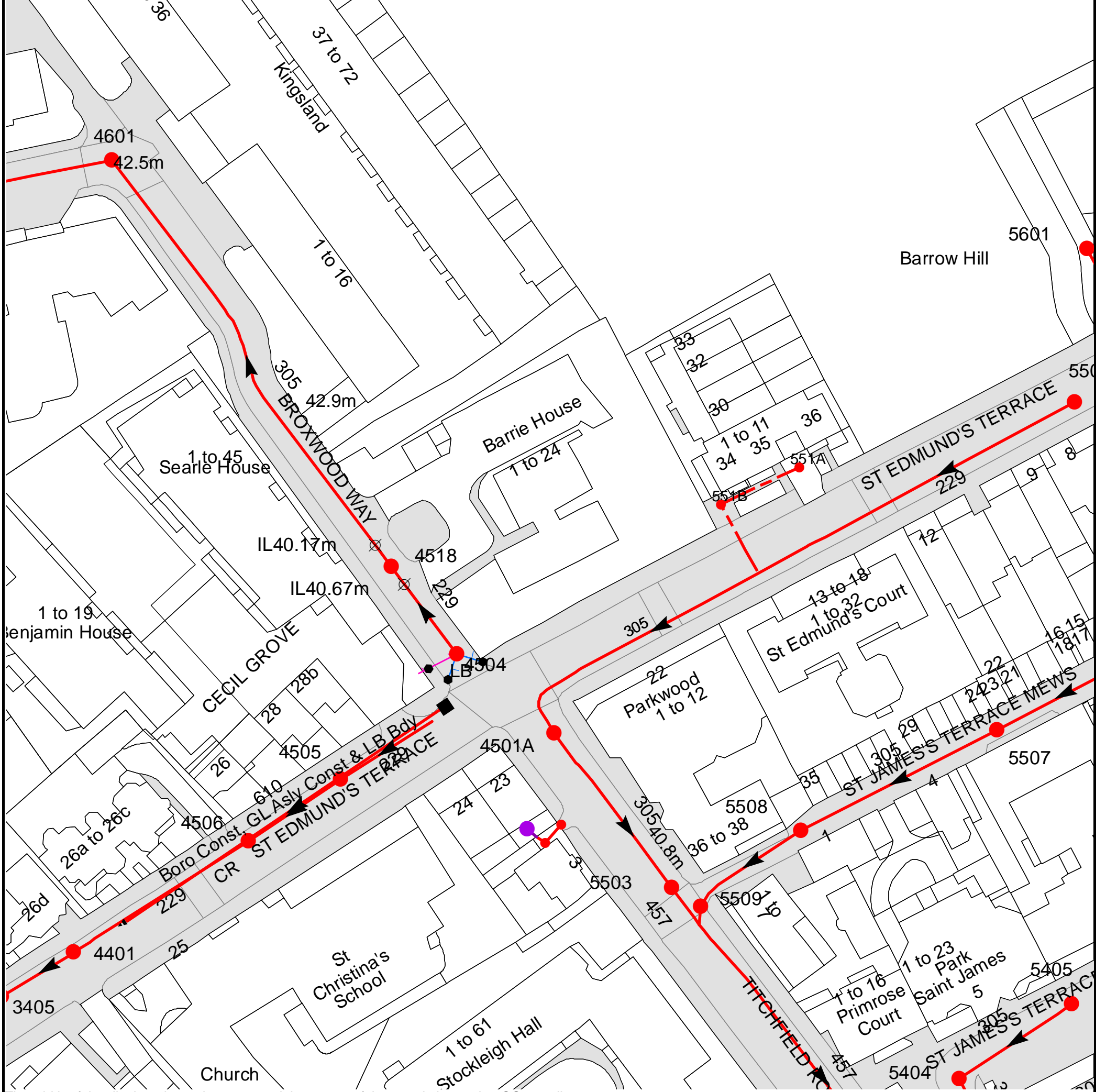
Tel: 0845 850 2777  
Email: [developer.services@thameswater.co.uk](mailto:developer.services@thameswater.co.uk)

### Clean Water queries

Should you require any advice concerning clean water operational issues or clean water connections, please contact:

Developer Services (Clean Water)  
Thames Water  
Clearwater Court  
Vastern Road  
Reading  
RG1 8DB

Tel: 0845 850 2777  
Email: [developer.services@thameswater.co.uk](mailto:developer.services@thameswater.co.uk)



The width of the displayed area is 200 m and the centre of the map is located at OS coordinates 527495,183573

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available



















Manhole Reference	Manhole Cover Level	Manhole Invert Level
5501	47.29	43.03
5601	n/a	n/a
4401	38.74	37.71
4601	42.87	38.62
4506	39.76	38.52
4505	40.57	39.27
4518	43.1	n/a
4504	42.26	40.95
451A	n/a	n/a
45AF	n/a	n/a
4501A	42.16	39.08
45AG	n/a	n/a
5503	40.4	37.83
5509	40.24	38.21
551B	n/a	n/a
551A	n/a	n/a
5508	40.97	39.12
5507	41.65	39.96
5405	39.59	36.15
5404	39.04	35.72

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.








# ALS Sewer Map Key

## Public Sewer Types (Operated & Maintained by Thames Water)

-  **Foul:** A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
-  **Surface Water:** A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
-  **Combined:** A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.
-  Trunk Surface Water
-  Trunk Foul
-  Storm Relief
-  Trunk Combined
-  Vent Pipe
-  Bio-solids (Sludge)
-  Proposed Thames Surface Water Sewer
-  Proposed Thames Water Foul Sewer
-  Gallery
-  Foul Rising Main
-  Surface Water Rising Main
-  Combined Rising Main
-  Sludge Rising Main
-  Proposed Thames Water Rising Main
-  Vacuum





## Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

-  Air Valve
-  Dam Chase
-  Fitting
-  Meter
-  Vent Column




## Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

-  Control Valve
-  Drop Pipe
-  Ancillary
-  Weir





## End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

-  Outfall
-  Undefined End
-  Inlet






## Other Symbols

Symbols used on maps which do not fall under other general categories








-  Public/Private Pumping Station
-  Change of characteristic indicator (C.O.C.I.)
-  Invert Level
-  Summit

## Areas

Lines denoting areas of underground surveys, etc.

-  Agreement
-  Operational Site
-  Chamber
-  Tunnel
-  Conduit Bridge

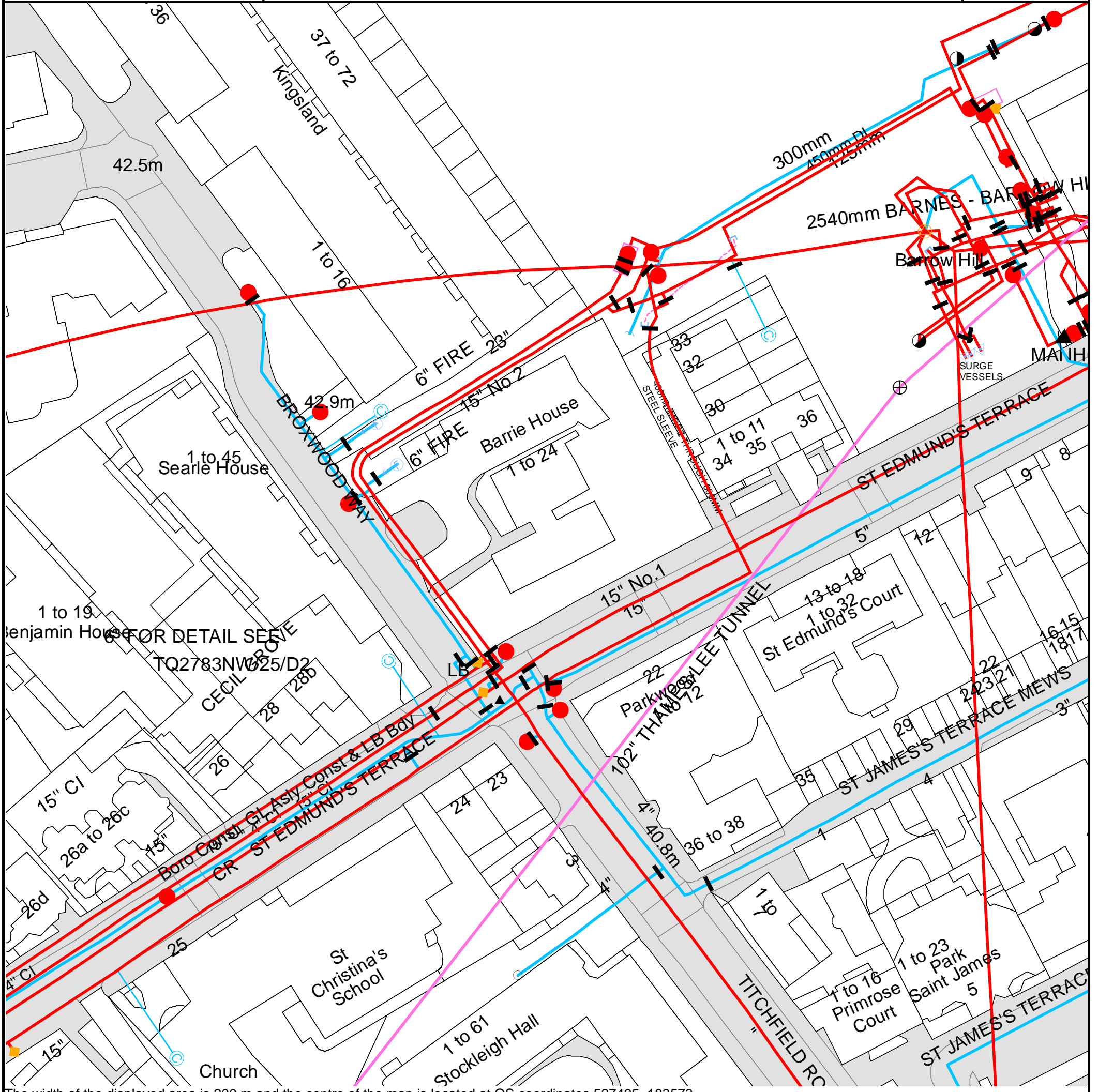
## Other Sewer Types (Not Operated or Maintained by Thames Water)

-  Foul Sewer
-  Surface Water Sewer
-  Combined Sewer
-  Gully
-  Culverted Watercourse
-  Proposed
-  Abandoned Sewer

### Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.
- 6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight on 0845 070 9148.





The width of the displayed area is 200 m and the centre of the map is located at OS coordinates 527495, 183573.  
 The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

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# ALS Water Map Key

## Water Pipes (Operated & Maintained by Thames Water)

**4"** **Distribution Main:** The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.

**16"** **Trunk Main:** A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.

**3" SUPPLY** **Supply Main:** A supply main indicates that the water main is used as a supply for a single property or group of properties.

**3" FIRE** **Fire Main:** Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.

**3" METERED** **Metered Pipe:** A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.

**Transmission Tunnel:** A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.

**Proposed Main:** A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 600mm (12" - 24")	1100mm (3' 8")
600mm and bigger (24" plus)	1200mm (4')

## Valves

- General Purpose Valve
- Air Valve
- Pressure Control Valve
- Customer Valve

## Hydrants

- Single Hydrant

## Meters

- Meter

## End Items

Symbol indicating what happens at the end of a water main.

- Blank Flange
- Capped End
- Emptying Pit
- Undefined End
- Manifold
- Customer Supply
- Fire Supply

## Operational Sites

- Booster Station
- Other
- Other (Proposed)
- Pumping Station
- Service Reservoir
- Shaft Inspection
- Treatment Works
- Unknown
- Water Tower

## Other Symbols

- Data Logger

## Other Water Pipes (Not Operated or Maintained by Thames Water)

**Other Water Company Main:** Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.

**Private Main:** Indicates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

## Terms and Conditions

All sales are made in accordance with Thames Water Utilities Limited (TWUL) standard terms and conditions unless previously agreed in writing.

1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
5. In case of dispute TWUL`s terms and conditions shall apply.
6. Penalty interest may be invoked by TWUL in the event of unjustifiable payment delay. Interest charges will be in line with UK Statute Law 'The Late Payment of Commercial Debts (Interest) Act 1998'.
7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team (cashoperations@thameswater.co.uk).

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us on 0800 316 9800

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director. You can write to him at: Thames Water Utilities Ltd. PO Box 492, Swindon, SN38 8TU.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

### Ways to pay your bill

Credit Card	BACS Payment	Telephone Banking	Cheque
Call <b>0845 070 9148</b> quoting your invoice number starting CBA or ADS.	Account number <b>90478703</b> Sort code <b>60-00-01</b> A remittance advice must be sent to: <b>Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW.</b> or email <a href="mailto:ps.billing@thameswater.co.uk">ps.billing@thameswater.co.uk</a>	By calling your bank and quoting: Account number <b>90478703</b> Sort code <b>60-00-01</b> and your invoice number	Made payable to ' <b>Thames Water Utilities Ltd</b> ' Write your Thames Water account number on the back. Send to: <b>Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW</b> or by DX to <b>151280 Slough 13</b>

Thames Water Utilities Ltd Registered in England & Wales No. 2366661 Registered Office Clearwater Court, Vastern Rd, Reading, Berks, RG1 8DB.



## Search Code

### **IMPORTANT CONSUMER PROTECTION INFORMATION**

This search has been produced by Thames Water Property Searches, Clearwater Court, Vastern Road, Reading RG1 8DB, which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

#### **The Search Code:**

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practise and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

#### **The Code's core principles**

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

#### **Complaints**

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if he finds that you have suffered actual loss as a result of your search provider failing to keep to the Code.

**Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.**

#### **TPOs Contact Details**

The Property Ombudsman scheme  
Milford House  
43-55 Milford Street  
Salisbury  
Wiltshire SP1 2BP  
Tel: 01722 333306  
Fax: 01722 332296  
Email: [admin@tpos.co.uk](mailto:admin@tpos.co.uk)

You can get more information about the PCCB from [www.propertycodes.org.uk](http://www.propertycodes.org.uk)

**PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE**