

PDISP INPUT – Long Term Footing Loading:

| | |
|---|---|
| Analysis method | |
| <input type="radio"/> Mindlin | <input checked="" type="radio"/> Boussinesq |
| <input type="checkbox"/> Legacy | |
| <input type="checkbox"/> Elastic analysis above loads | |
| <input type="checkbox"/> Calculate horizontal displacements | |
| Stiffness for horizontal displacement calculations | |
| <input checked="" type="radio"/> Use weighted average | |
| <input type="radio"/> Use greatest stiffness | |
| <input type="radio"/> Use stiffness at displacement point. | |
| Heave correction factor | |
| <input type="checkbox"/> Use legacy heave correction factor | |
| Effect of soil above load | |
| Include effect of soil above load in dampening displacements below it for | |
| <input type="checkbox"/> Vertical loads on horizontal planes | |
| <input type="checkbox"/> Horizontal loads on horizontal planes | |
| Global Poisson's ratio: | <input type="text" value="0.5"/> |
| Maximum allowable ratio between values of E at adjacent displacement levels (>1): | <input type="text" value="1.5"/> |
| Horizontal rigid boundary level [m OD] | <input type="text" value="-30"/> |

| | A | B | C | D | E | F | G |
|----------|------------------|--|--------------------------------------|--------|-----------------|--------|------------------|
| Layer | Level at top [m] | No of intermediate displacement levels | Young's modulus [kN/m ²] | | Poisson's ratio | Colour | Non-linear curve |
| | | | Top | Bottom | | | |
| Defaults | | | | | 0.20 | | None |
| 1 | 0.000 | 50 | 16200 | 118200 | 0.20 | | None |
| 2 | | | | | | | |

| | A | B | C | D | E | F |
|----------|-------------|------------------|-------|------------------|-------|----------------|
| Zone | Name | X coordinate [m] | | Y coordinate [m] | | Soil profile |
| | | min | max | min | max | |
| | | | | | | |
| Defaults | Soil Zone # | 0.00 | 0.00 | 0.00 | 0.00 | Soil Profile 1 |
| 1 | London Clay | -30.00 | 70.00 | -20.00 | 85.00 | Soil Profile 1 |
| 2 | | | | | | |

| | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P |
|-----------|-------------|----------------------|-------------------------|------|-----------|--------------------------------|-------------------|----------|--------------------------|---------------------|---------|----------------------|------------------|----------------------|----------------------|
| Load ref. | Shape | Orientation of plane | Load position | | | | | | Polygon | | | Number of Rectangles | Load value | | |
| | | | Centre of load (global) | | | Angle of local x from global X | Width x or radius | Length y | Coordinates | Rectangle tolerance | Wizard | | Normal (local z) | Tangential (local x) | Tangential (local y) |
| | | | X | Y | Z (level) | | | | | | | | | | |
| | | | [m] | [m] | [m] | | | | | | | | | | |
| Defaults | Rectangular | Horizontal plane | 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | | 10.0 | | 5 | 0.00 | 0.00 | 0.00 |
| 1 | Polygonal | Horizontal plane | | | -4.300 | | | | (27.9783,35.3683) (23.53 | 10.0 | more... | 4 | 150.00 | | |
| 2 | Polygonal | Horizontal plane | | | -4.300 | | | | (26.2746,45.8988) (27.14 | 10.0 | more... | 29 | 150.00 | | |
| 3 | | | | | | | | | | | more... | | | | |

PDISP INPUT – Long Term Heave Loading:

Input as per previous with the exception of the below load data (amended to represent overburden removal):

| | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | |
|-----------|---------------|----------------------|-------------------------|------|-----------|---|--------------------------|-----------------|--------------------------|---------------------|---------|----------------------|-----------------------------------|-----------------------------------|-----------------------------------|------|
| Load ref. | Load position | | | | | | | | | | | Load value | | | | |
| | Shape | Orientation of plane | Centre of load (global) | | | Angle of local x from global X [Degrees] | Width x or radius [m] | Length y [m] | Polygon | | | Number of Rectangles | Normal | | | |
| | | | X | Y | Z (level) | | | | Coordinates [m] | Rectangle tolerance | Wizard | | (local z) [kN/m ²] | (local x) [kN/m ²] | (local y) [kN/m ²] | |
| | | | [m] | [m] | [m] | | | | | | | | | | | |
| Defaults | Rectangular | Horizontal plane | 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | | | | | 5 | 0.00 | 0.00 | 0.00 |
| 1 | Polygonal | Horizontal plane | | | -4.300 | | | | (21.5922,47.1978) (21.87 | 10.0 | more... | 3 | -86.00 | | | |
| 2 | | | | | | | | | | | more... | | | | | |