



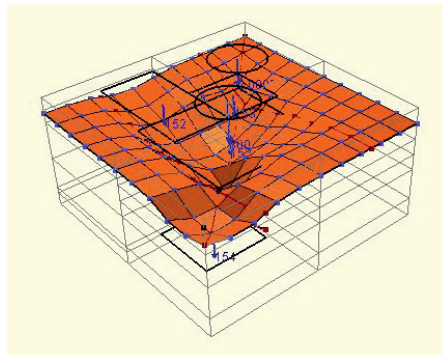
Geotechnical
Engineering
Software



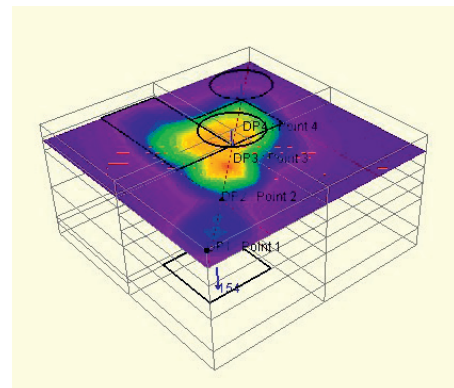
Quickly and accurately
predict soil displacement
due to load

Pdisp is for engineers who need software for soil displacement analysis, soil settlement calculations and soil displacement design. The program predicts displacements in a soil mass due to vertical and horizontal loads, showing the likely settlement pattern beneath and beyond the loaded area.

structures like basement slabs and pile caps.



Deflected grid



Output contours



Redesigning Landscapes

View soil displacement profiles in
3D

PPdisp's 3D graphical output view clearly shows the settlement and a simple interface allows users to switch easily between graphical views, input data and tabular data. As our GSA suite links to Pdisp, engineers can analyse the soil's interaction with raft

How Pdisp works


Pdisp calculates the displacements and stresses, if required, within a linear elastic or non-linear soil mass. These are the stresses that result from uniform, normal or tangential pressure being applied to rectangular and circular loaded planes.

When calculating stress changes within the soil, the program assumes the soil is an elastic half-space. It uses individual layer properties to calculate the vertical strain and the displacements resulting from these stresses. Oasys Pdisp software predicts displacements due to both vertical and horizontal loads.

For settlement analysis and ground movement software, try Xdisp with 30 day free trials available on both programs.

Benefits

- Simulation of multiple loads in three dimensions
- Familiar computation techniques make input quick and easy, and offers a range of analysis methods
- A range of output capabilities, including 3D graphics, line graphs and colourful graphics allow users to extract the results they need to present results quickly, easily and efficiently

 Download your free 30 day trial version from our site today

London Office
13 Fitzroy Street
London
W1T 4BQ
United Kingdom
T: +44 (0) 20 7636 1531
E: oasys@arup.com

Newcastle Office
Central Square
Forth Street
Newcastle-Upon-Tyne
NE1 3PL
United Kingdom
T: +44 (0) 191 238 7559
E: oasys@arup.com

Toronto Office
2 Bloor St, East Suite 2400
Toronto, ON
M4W 1A8
Canada
T: +1 416 515 0915
E: oasys@arup.com

Brisbane Office
Level 4
108 Wickham Street
Fortitude Valley
QLD 4006
Australia
T: +61 (0) 7 3023 6000
E: oasys@arup.com

India Office
Arup India
Ananth Info Park
HiTec City
Hyderabad - 500081
India
T: +91 (0) 40 44369797 / 8
E: oasys.india@arup.com