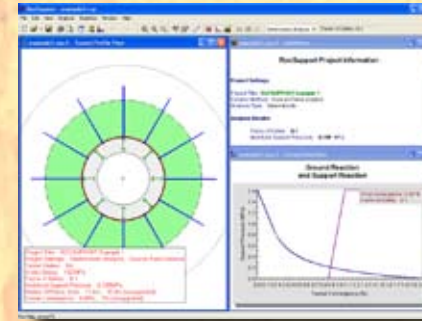


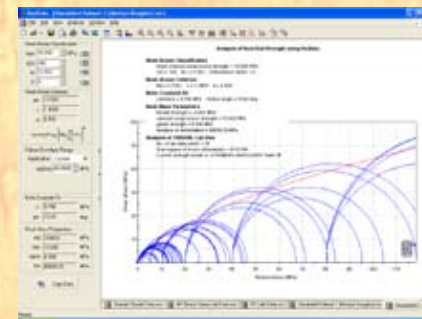
ROCSUPPORT 3.0

ROCSUPPORT 3.0 is an interactive software tool for estimating ground support for circular tunnels in weak rock. By varying input such as tunnel radius, rock properties and support parameters, users can visualize the interaction between the rock mass and various support systems. RocSupport also calculates factor of safety or probability of failure for support. For advanced tunnel design use our finite element program Phase².



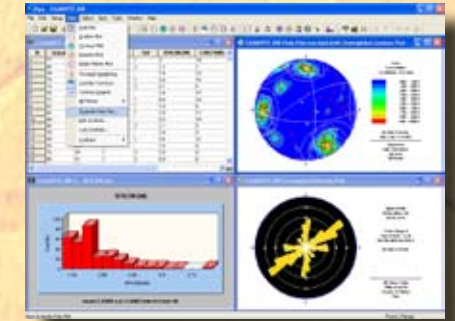
ROCDATA 4.0

ROCDATA 4.0 is a program for the analysis of rock and soil strength envelopes, using Hoek-Brown, Mohr-Coulomb, Barton-Bandis or Power Curve strength criteria. Triaxial or direct shear strength data from lab or field tests can be analyzed. RocData includes RocProp, a database of intact rock properties which runs as a standalone application. RocData results can be imported into numerical analysis programs such as Phase² and Slide.



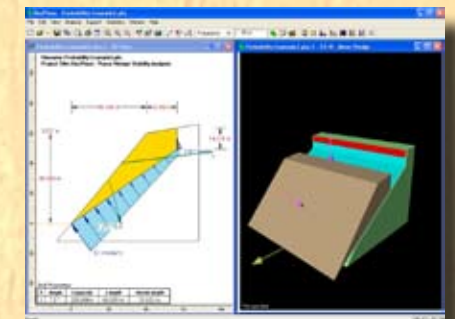
DIPS 5.0

DIPS 5.0 is designed for the interactive analysis of orientation-based geological data. The program has many applications and is designed for the novice or occasional user, as well as the more experienced user of stereographic projection who wishes to utilize more advanced tools in the analysis of geological data. For wedge stability analysis, plane orientations can be imported from Dips into Swedge or Unwedge.



ROCPLANE 2.0

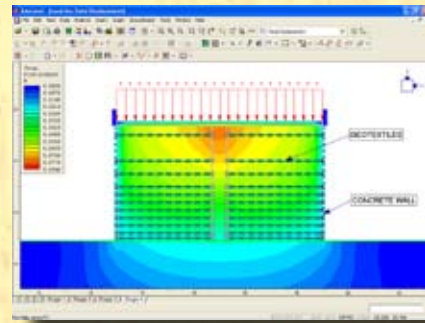
ROCPLANE 2.0 is an interactive software tool for the analysis of planar sliding stability in rock slopes. RocPlane makes it easy to quickly create a model, visualize the model in both 2D and 3D and evaluate analysis results. The effect of support, water pressure and external loads can be quickly determined. RocPlane also includes functionalities for generating figures, charts and result summaries. For 3D wedge stability analysis of slopes, use Swedge.



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PHASE² 7.0

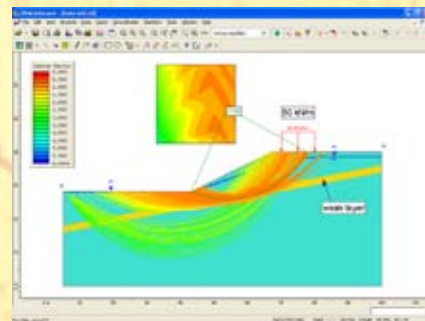
PHASE² 7.0 is a powerful 2D elasto-plastic finite element stress analysis program for underground or surface excavations in rock or soil. It can be used for a wide range of engineering projects and now includes built-in finite element groundwater seepage analysis and finite element slope stability. With Phase², users can quickly create and analyze complex multi-stage models. Users can also import Slide files for slope stability analysis in Phase².



SLIDE 5.0

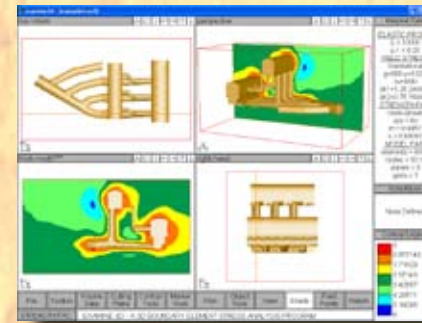
SLIDE 5.0 is a slope stability analysis program for soil or rock slopes. Slide provides a comprehensive array of analysis features, including support design, integrated finite element groundwater (seepage) analysis and probabilistic analysis.

The CAD based graphical interface offers a wide range of modeling and data interpretation options that enables you to perform fast, thorough and accurate analyses. Files can be imported into Phase² for finite element stability analysis.



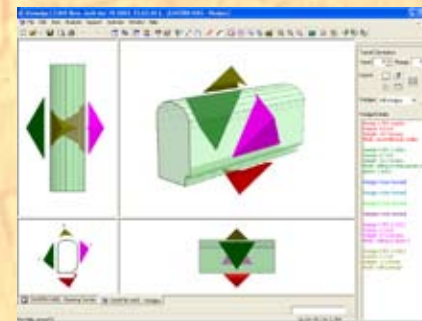
EXAMINE^{3D} 4.0

EXAMINE^{3D} is a 3D boundary element program for designing and analyzing underground excavations in rock. Although the program was developed mainly for stress analysis, its data visualization tools can be applied to a wide range of 3D mining and civil engineering data, such as microseismic datasets (velocity, source parameters, event density, etc.). For 2D analyses using multiple materials, plasticity, staged excavations and support, use Phase².



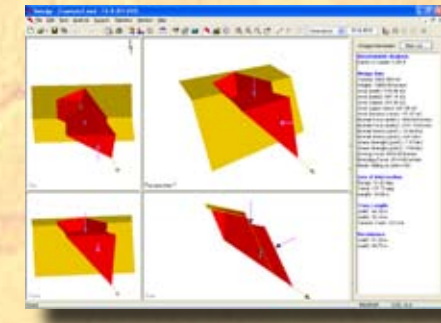
UNWEDGE 3.0

UNWEDGE 3.0 is an interactive program for analyzing the geometry and stability of 3D wedges formed by structural discontinuities and underground excavations. Unwedge calculates factors of safety for potentially unstable wedges and models the influence of support systems on wedge stability. Use Unwedge to create a model, perform a safety factor analysis, place reinforcement and interpret the results. Joint orientations can be imported into Unwedge from Dips.



SWEDGE 5.0

SWEDGE 5.0 evaluates the probability of failure of potentially unstable surface wedges formed in rock slopes. It quickly assesses the effect of rock bolt support on the factor of safety. Swedge is very simple to use, yet allows full 3D visualization of wedges formed by two intersecting discontinuity planes, a slope surface and an optional tension crack. Wedge plane orientations and joint set statistics can be read into Swedge from a Dips file.



ROCFALL 4.0

ROCFALL 4.0 is a statistical analysis program for assessing the risk of falling rocks on steep slopes. Typical applications include rock cuts and open pit mine slopes. Engineers use RocFall information on the kinetic energy and trajectories of falling rocks to determine the capacity and location of protective systems. Model geometry and material properties can be easily modified for quick parametric analysis. For overall slope stability analysis, use Slide or Phase².



It's here...

SETTLE^{3D}



...our new settlement and consolidation analysis program is now available.

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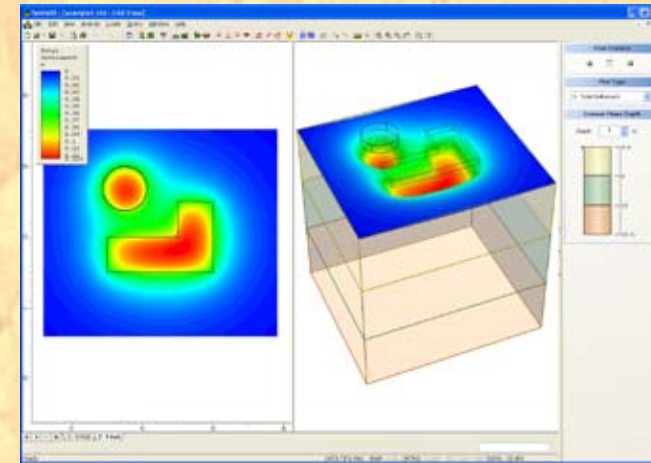
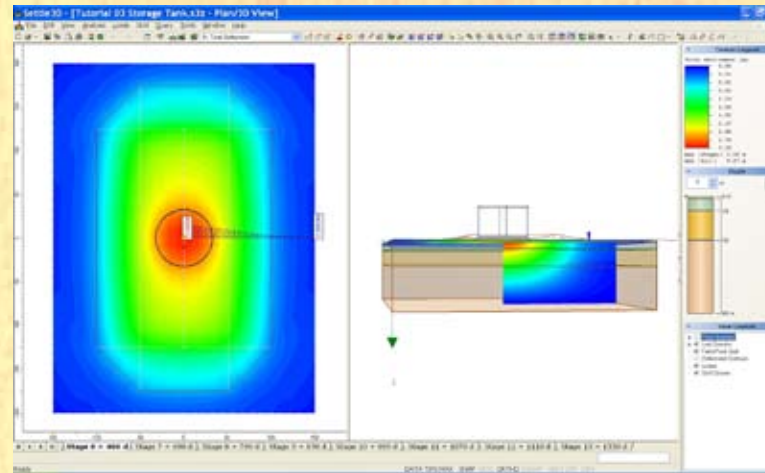
LEADING-EDGE SOLUTIONS

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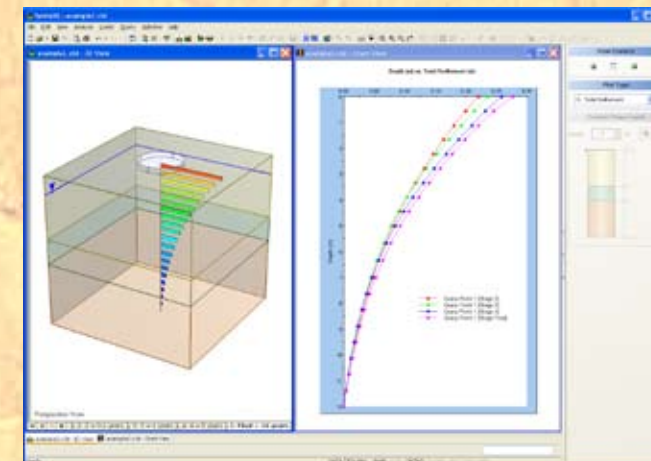


SETTLE^{3D} 2.0 is a 3-dimensional program for the analysis of consolidation and settlement under foundations, embankments and surface excavations. This software combines the simplicity of one-dimensional analysis with the power and visualization capabilities of more sophisticated three-dimensional programs.

Go to the Downloads section on our website to request your Free Two-Week Evaluation Copy.



Settlement contours underneath building foundations. Plan view (left) and 3d view (right).



Total settlement under middle of circular load. Graph illustrates time-dependent consolidation after 0.1, 1, 5 and 10 years.

KNOWLEDGE AND EXPERIENCE

EXPERTISE TO BETTER SERVE OUR CLIENTS