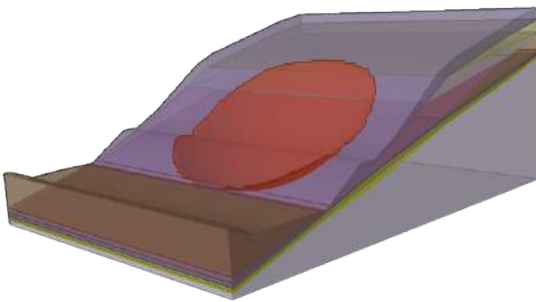
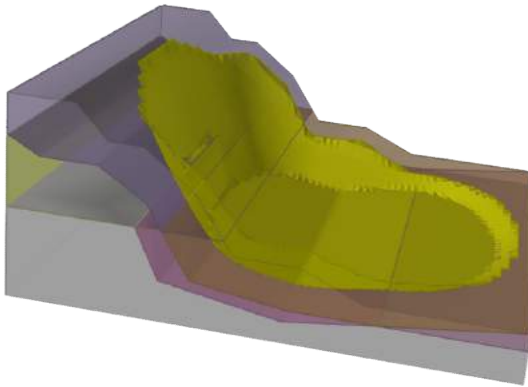
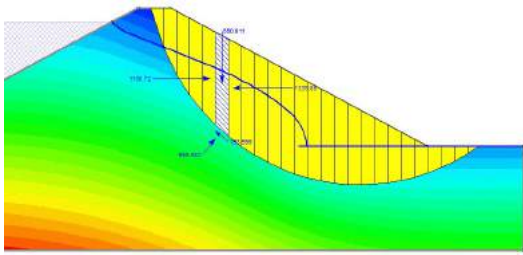


DELHI & MUMBAI TWO DAY WORKSHOP

2 Dimensional and 3-Dimensional Slope Stability Analysis

The objective of this course is to provide a background on numerical modelling for slope stability analysis using various Rocscience software tools (*Slide*, *RS2*, *RS3*, *Slide3*). Get the most out of the Rocscience slope stability suite through a balanced mixture of lectures and hands-on computer analysis using practical examples collected over the years.

Delhi on January 29-30 , 2018, Mumbai on February 5-6, 2018



Module I: Overview of limit-equilibrium methods for slope stability analysis

Failure modes of soil and rock slopes
Limit-equilibrium methods

Module II: Slope stability analysis (2D & 3D)

Model building (Tips and Pitfalls)
Material behavior models (anisotropic vs. isotropic material models)
Interpretation of results

Module III: Selection of analysis methods

Selection of method for locating minimum factor of safety
Circular vs. non-circular failure surface analysis
Failure Surface optimization techniques

Module IV: Probabilistic and sensitivity analysis

Overview of basic statistical concepts and distribution
Probability of failure
Monte Carlo and Latin hypercube simulations
Sensitivity analysis

Module V: Groundwater analysis (2D & 3D)

Overview of groundwater analysis
Seepage analysis using the finite element method (FEM)
Permeability functions
Influence of meshes on results; mesh selection and quality

Module VI: Slope stability analysis using the shear strength reduction method (2D & 3D)

Application of FEM to slope stability analysis
Shear Strength Reduction approach
Jointed rock slope failure
Deep seated slope failure
Blocky rock mass slopes

Module VII: Slope stability analysis for jointed rock mass materials

Implicit vs explicit joint modeling
Modeling of Discrete Fracture Networks (DFN)

Where: Le Méridien, Windsor Place, New Delhi & Hilton Mumbai International Airport, Sahar Airport Road, Andheri East, Mumbai
Registration Cost: USD\$500/person (₹ 32,500/-) plus 18% GST
Early-bird Registration Cost: USD\$400/person (₹ 26,000/-) plus 18% GST (deadline: January 15, 2018)

Special offer for Academics : Register one attendee and receive the second free. (Offer applies to academic instructors and postsecondary students).

To register: Contact Dr Manoj Verma, Rocscience Rep in India at manoj.verma@rocscience.com or +91-7042170505.

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