



# ROCK ROUGH JOINTS

EVALUATE THE SHEAR STRENGTH FAILURE  
ENVELOPE FOR ROUGH JOINTS IN ROCK  
GEOTECHNICAL | E13

## Summary

Rock Rough Joints evaluates the shear strength failure envelope for rough joints in rock.

## What makes this module special?

- Deterministic and Probabilistic Analysis
- Graphical output
- Analysis results grouped on a Calcsheet

## Detailed Description

The Rock Rough Joints module evaluates the shear strength failure envelope for rough joints in rock. It gives the option of performing the analysis in either deterministic or probabilistic mode. By using the probabilistic mode, the module generates the range of input parameters by using simulation techniques to generate a probability density distribution of the output shear strength.

## Theory used in this module

The user is presented with the choice of two theories as advanced by Ladanyi and Archambault (1970) and Barton (1971a/b,73).



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## Shear Stress vs Normal Stress

