



# NON-CIRCULAR SLIP

EVALUATE STABILITY OF NON-CIRCULAR SLOPES  
GEOTECHNICAL | E02

## Summary

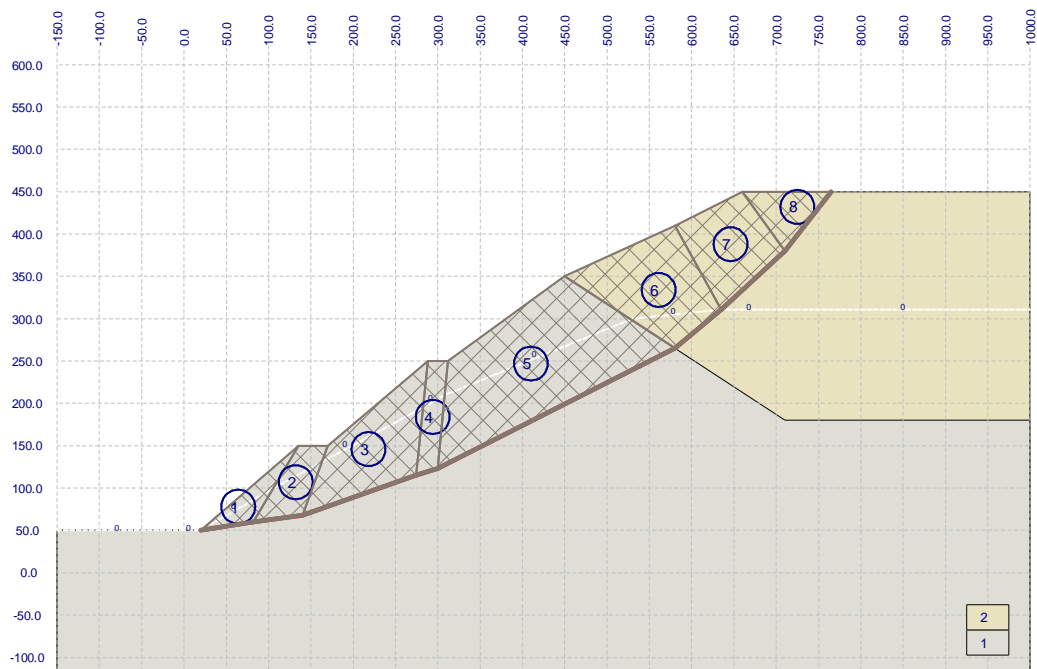
Non Circular Slip can be used for the evaluation of the stability of soil slopes. It predicts the factor of safety of general shape surfaces using the non-vertical slice method.

## What makes this module special?

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

## Detailed Description

Non-Circular Slip predicts the factor of safety of general shape surfaces using the non-vertical slice method, as proposed by Sarma (1979). Due to non-vertical boundaries, the module also allows you to include structural features such as faults or discontinuity planes. To make the analysis as general as possible, water pressures, external loadings and reinforcement are included.





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## Theory used in this module

This module can perform a deterministic as well as a probabilistic analysis. With a probabilistic analysis you can consider variations in material properties and other parameters.

Distribution types that can be applied to material properties in a probabilistic analysis include uniform, triangular, exponential, normal, log normal and beta distributions. You can set the number of analysis iterations to be performed and the required probability limit.

Factor of Safety: 1.58

