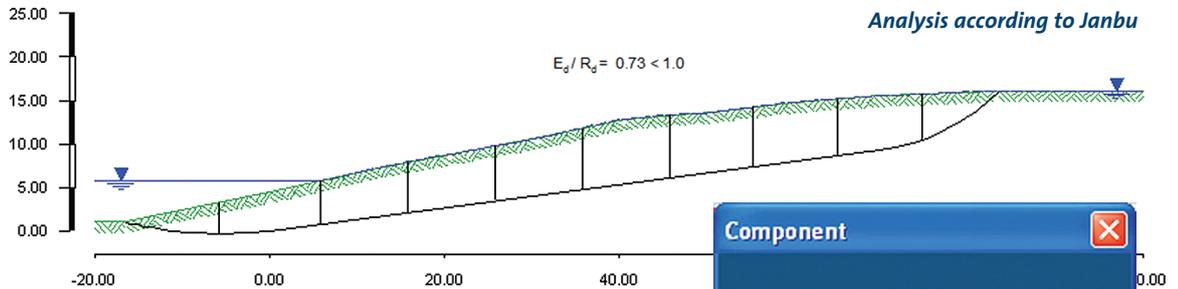


Slope stability and ground failure DC-Slope



Component ✖

Initial coordinate (x)

Initial coordinate (z)

End coordinate (x)

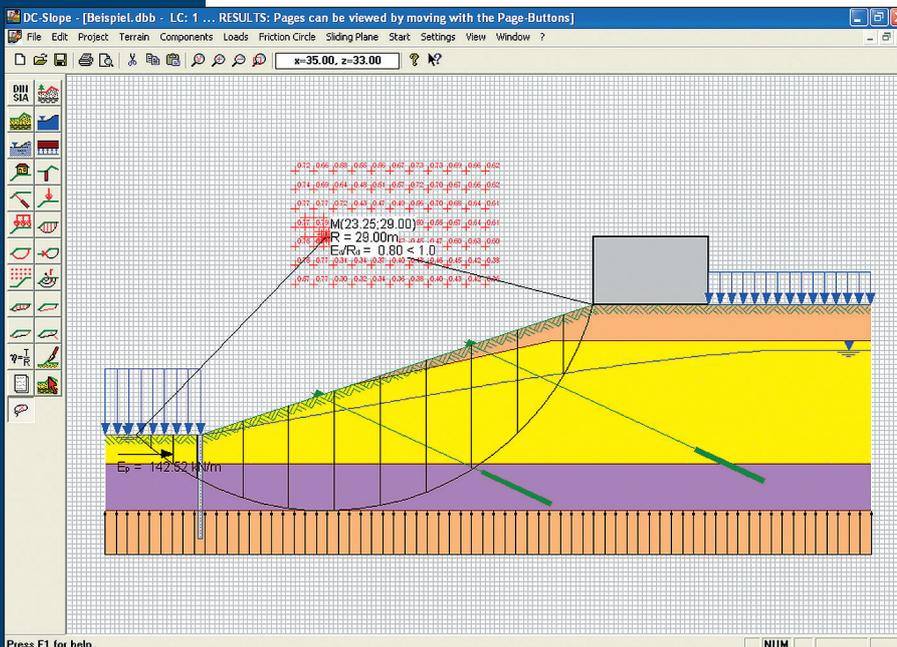
End coordinate (z)

Width (m)

Shear Resistance (kN/m²)

Definition of components

- Earthquake loads
- Consideration of anchors and grouted piles
- Optional iteration of the anchor lengths in order to obtain the required safety
- Application of buildings (weight) and components (shear force)
- Pore-water pressure and excess pressure
- Impermeable layers with artesian water pressure
- Iteration of center and/or radius, optionally with predefined range
- Automatic determination of the minimal safety
- Free lamellae arrangement
- Optional predefinition of a fixed point



Analysis according to Krey-Bishop

- Slope stability and ground failure acc. to Eurocode 7, DIN 1054:2010, DIN 4084, SIA 267
- Analysis with partial safety factors or with global safety
- German, English, French, Italian, Romanian, Russian language
- Approach according to Krey-Bishop (friction circle) and Janbu (arbitrary slip planes)
- Free terrain and layer course
- Ground water and seepage course
- Different load cases with concentrated and distributed loads, dead and live loads