

Program Details

Windows 7/8/10

OPERATING SYSTEM

ARTICLE NUMBER

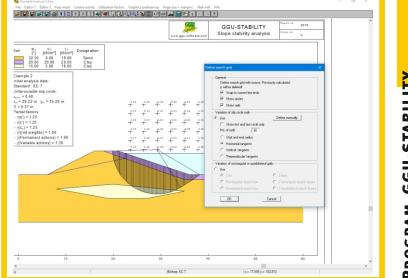
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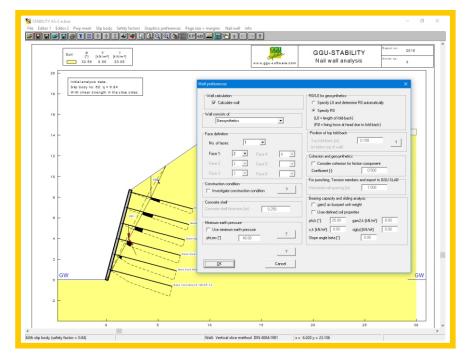
Description

GGU-STABILITY – Slope stability analysis and analysis of soil nailing and reinforced soil walls.

Capabilities:

- Slope and general stability to DIN 4084 and Ec7
- Analysis after Bishop, Janbu, using the general wedge or vertical slice method
- Choice of analysis using either partial safety factors to DIN 1054:2010, EC 7, Austrian Standard ÖNORM EN 1997-1 or
- global safety factors (DIN 1054 old)
 Consideration of vibrodisplacement
- compaction after Priebe • Stabilisation columns after Neidhart/ Gömmel
- System input using absolute heights
- Graphics oriented and tabular input/editing of system geometry and system data
- Import of surface points, pore water pressure points and soil layers from tables (e.g. Excel) via Windows clipboard
- Soil properties can be selected from an expandable database of common soils
- Active and passive earth pressure calculation after Culmann is possible
- Consideration of horizontal and vertical seismic acceleration
- Consideration of pore water pressures from a pore water pressure line or mesh
- Import of a pore water pressure mesh created in the GGU-2D-SSFLOW program (groundwater flow modelling)
- Nailing consisting of geosynthetics (reinforced soil wall) or tension members (modelling of anchors and soil nails)
- Automatic generation of nail grids or manual input
- Geosynthetics can be defined using company products
- Verification of sliding and overturning safety for nail wall
- Verification of bearing capacity failure safety to DIN 4017
- Bending design of the concrete shell to EC 2 via interface to the GGU-SLAB program
- Punching verification
- Determination of the maximal 'nail forces'
- Analysis with fibre cohesion for wastes dissimilar to soil (Kölsch method)
- Variable visualisation of safety factors, e.g. as colour-filled contours





- Adopted standard, program name and version can be included in the General legend
- User-defined design of output sheet
- Print or copy screen sections, e.g. for transfer to a word processor
- Integrated Mini-CAD system for additional annotation of graphics

PROGRAM GGU-STABILITY

