SVSLOPE®
2D / 3D LIMIT EQUILIBRIUM
SLOPE STABILITY ANALYSIS

SOILVISION®
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FEATURE COMPARISON

PRODUCT VERSION	STUDENT	CLASSROOM	STANDARD	PRO	MINING
General					
Verification, Tutorial, and Example Manuals with Corresponding Models Provided	Yes	Yes	Yes	Yes	Yes
Create/Edit Models	Yes	Yes	Yes	Yes	Yes
CAD Windows Interface	Yes	Yes	Yes	Yes	Yes
Integrated Help System	Yes	Yes	Yes	Yes	Yes
Batch Analysis of Groups of Models	Yes	Yes	Yes	Yes	Yes
Windows 7, 8 and 10 Compatible	Yes	Yes	Yes	Yes	Yes
Multi-Core CPUs, Multi-Threading & 64 bit Environments Supported	Yes	Yes	Yes	Yes	Yes
Licensed for Engineering Consulting Use (Commercial Licenses Only)			Yes	Yes	Yes
Geometry					
Number of Regions	10	Unlimited	Unlimited	Unlimited	Unlimited
Number of Materials	3	Unlimited	Unlimited	Unlimited	Unlimited
Number of 3D Surfaces	3	Unlimited	Unlimited	Unlimited	Unlimited
Import Regions from AutoCAD™ DXF Files		Yes	Yes	Yes	Yes
Import of Shape Files (SHP)		Yes	Yes	Yes	Yes
Import of ESRI ASCII Grid Files		Yes	Yes	Yes	Yes
Slice 3D Models to 2D Cross Section	Yes	Yes	Yes	Yes	Yes
Coordinate Systems					
2D Analysis	Yes	Yes	Yes	Yes	Yes
3D Analysis		Yes	Yes	Yes	Yes
Multi-Plane Slope Stability Analysis (MPA)					Yes [4]
Orientation Analysis [3]					Yes
Calculation Methods					
Ordinary/Fellenius	Yes	Yes	Yes	Yes	Yes
Bishop Simplified	Yes	Yes	Yes	Yes	Yes
Janbu simplified	Yes	Yes	Yes	Yes	Yes
Corps of Engineers #1		Yes	Yes	Yes	Yes
Corps of Engineers #2		Yes	Yes	Yes	Yes
Lowe-Karafiath		Yes	Yes	Yes	Yes
Spencer	Yes	Yes	Yes	Yes	Yes
Morgenstern-Price	Yes	Yes	Yes	Yes	Yes
GLE (Fredlund)	Yes	Yes	Yes	Yes	Yes
Sarma Vertical Slices		Yes	Yes	Yes	Yes
Sarma Non-Vertical Slices [2]		Yes	Yes	Yes	Yes
Kulhawy	*Yes	*Yes	*Yes	*Yes	*Yes
SAFE [2]				*Yes	*Yes
Rapid Drawdown - Duncan & Wright	Yes	Yes	Yes	Yes	Yes
Rapid Drawdown - Effective Stress				**Yes	**Yes
Rapid Drawdown - Effective Stress Method Using B-Bar				**Yes	**Yes
*Requires SVSOLID™					
**Coupled with SVFLUX™					
Searching Options					
Circular					
Grid and Tangent	Yes	Yes	Yes	Yes	Yes
Entry and Exit [2]	Yes	Yes	Yes	Yes	Yes
Fully Specified [2]	Yes	Yes	Yes	Yes	Yes
Slope Search [2]		Yes	Yes	Yes	Yes
Auto Refine Search [2]		Yes	Yes	Yes	Yes
Focus Line [2]	Yes	Yes	Yes	Yes	Yes
Focus Point [2]	Yes	Yes	Yes	Yes	Yes
Focus Tangent [2]	Yes	Yes	Yes	Yes	Yes
Non-Circular					
Block Search Point [2]		Yes	Yes	Yes	Yes
Block Search Line [2]		Yes	Yes	Yes	Yes
Block Search Window [2]		Yes	Yes	Yes	Yes
Path Search [2]		Yes	Yes	Yes	Yes
Greco [2]		Yes	Yes	Yes	Yes
Dynamic Programming	Yes°	Yes°	Yes°	Yes	Yes
Fully Specified Segments [2]	Yes	Yes	Yes	Yes	Yes
Fully Specified Wedge [3]			Yes	Yes	Yes
Fully Specified Grid [3]			Yes	Yes	Yes
Fully Specified Ellipsoid [3]			Yes	Yes	Yes
Fully Specified Combination [3]				Yes	Yes
Moving Wedges [3]				Yes	Yes
Slip Shape					
Circular	Yes	Yes	Yes	Yes	Yes
Non-Circular	Yes	Yes	Yes	Yes	Yes
Composite	Yes	Yes	Yes	Yes	Yes
Tension Cracks		Yes	Yes	Yes	Yes
Probability Methods					
Monte Carlo [2]		Yes	Yes	Yes	Yes
Latin Hypercube [2]		Yes	Yes	Yes	Yes
Distributions: Normal, Uniform, Triangular, LogNormal [2]		Yes	Yes	Yes	Yes
APEM [2]				Yes	Yes
"Floating" Critical Slip Surface [2]		Yes	Yes	Yes	Yes

1D Spatial Variability [2]				Yes	Yes
2D Spatial Variability [2]				Yes	Yes
Sensitivity Methods					
One-way Sensitivity [2]		Yes	Yes	Yes	Yes
Two-way Sensitivity [2]				Yes	Yes
Groundwater					
Water Tables	Yes [6]	Yes	Yes	Yes	Yes
Ru		Yes	Yes	Yes	Yes
B-Bar		Yes	Yes	Yes	Yes
Piezometric Lines	Yes[1]	Yes	Yes	Yes	Yes
Grid of Pressure Heads		Yes	Yes	Yes	Yes
Phreatic Correction		Yes	Yes	Yes	Yes
Steady-State	Yes	Yes	Yes	Yes	Yes
Transient-State				Yes	Yes
Climate				Yes	Yes
Loads					
Distributed		Yes	Yes	Yes	Yes
Point [3]			Yes	Yes	Yes
Line [2]		Yes	Yes	Yes	Yes
Seismic		Yes	Yes	Yes	Yes
Material Models					
Mohr-Coulomb	Yes	Yes	Yes	Yes	Yes
Mohr-Coulomb - Curved Surface Envelope				Yes	Yes
Undrained		Yes	Yes	Yes	Yes
Depth-Dependent Undrained		Yes	Yes	Yes	Yes
No Strength (Water)	Yes	Yes	Yes	Yes	Yes
Infinite Strength (Bedrock)	Yes	Yes	Yes	Yes	Yes
Anisotropic Strength		Yes	Yes	Yes	Yes
Generalized Anisotropic		Yes	Yes	Yes	Yes
Shear/Normal Function		Yes	Yes	Yes	Yes
Anisotropic Function		Yes	Yes	Yes	Yes
Anisotropic Linear Model (ALM1/ALM2) [5]				Yes	Yes
Bilinear		Yes	Yes	Yes	Yes
Hoek-Brown		Yes	Yes	Yes	Yes
Hoek-Brown Generalized		Yes	Yes	Yes	Yes
Vertical Stress Ratio		Yes	Yes	Yes	Yes
Drained-Undrained		Yes	Yes	Yes	Yes
Power-Curve		Yes	Yes	Yes	Yes
Hyperbolic		Yes	Yes	Yes	Yes
Drained -Undrained		Yes	Yes	Yes	Yes
Frictional-Undrained		Yes	Yes	Yes	Yes
Unsaturated-Phi-b				Yes	Yes
Unsaturated-Vanapalli				Yes	Yes
Unsaturated-Fredlund				Yes	Yes
Unsaturated-Vilar				Yes	Yes
Unsaturated-Khalili				Yes	Yes
Unsaturated-Bao				Yes	Yes
Interslice Force Functions					
Constant	Yes	Yes	Yes	Yes	Yes
Half-Sine	Yes	Yes	Yes	Yes	Yes
Clipped-Sine		Yes	Yes	Yes	Yes
Trapezoidal		Yes	Yes	Yes	Yes
Fully Specified		Yes	Yes	Yes	Yes
Corps of Eng Assumption 1		Yes	Yes	Yes	Yes
Corps of Eng Assumption 2		Yes	Yes	Yes	Yes
Lowe-Karafiath		Yes	Yes	Yes	Yes
Wilson		Yes	Yes	Yes	Yes
Supports					
End-Anchored Bolts		Yes	Yes	Yes	Yes
Grouted Tiebacks		Yes	Yes	Yes	Yes
Soil Nails		Yes	Yes	Yes	Yes
Geotextiles		Yes	Yes	Yes	Yes
Piles and Micropiles		Yes	Yes	Yes	Yes
User-Defined Support Model		Yes	Yes	Yes	Yes
Active vs Passive Anchors		Yes	Yes	Yes	Yes
Hong Kong Soil Nails		Yes	Yes	Yes	Yes
Back Analysis		Yes	Yes	Yes	Yes

º only available with two regions present limit

[1] One line only, [2] Available in 2D only, [3] Available in 3D only, [4] VIP Required, [5] ALM1/ALM2 requires (PRO in 2D and MINING in 3D)

[6] Available with 2 Materials Present Limit