



SVFLUX^{GT}
1D / 2D / 3D SATURATED / UNSATURATED
FINITE ELEMENT GROUNDWATER SEEPAGE MODELING



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FEATURE COMPARISON				
PRODUCT VERSION	STUDENT	CLASSROOM	STANDARD	PRO
General				
Verification, Tutorial, and Example Manuals with Corresponding Models Provided	Yes	Yes	Yes	Yes
Create/Edit Models	Yes	Yes	Yes	Yes
CAD Windows Interface	Yes	Yes	Yes	Yes
Integrated Help System	Yes	Yes	Yes	Yes
Batch Analysis of Groups of Models	Yes	Yes	Yes	Yes
Windows 7, 8 and 10 Compatible	Yes	Yes	Yes	Yes
Multi-Core CPUs, Multi-Threading & 64 bit Environments Supported	Yes	Yes	Yes	Yes
Licensed for Engineering Consulting Use (Commercial Licenses Only)			Yes	Yes
Geometry				
Number of Regions	10	Unlimited	Unlimited	Unlimited
Number of Materials	3	Unlimited	Unlimited	Unlimited
Number of 3D Surfaces	3	Unlimited	Unlimited	Unlimited
Staged Construction/Excavation	Yes	Yes	Yes	Yes
Finite Element Cells ¹	Limited ¹	Limited ¹	Unlimited	Unlimited
Import Regions from AutoCAD™ DXF Files		Yes	Yes	Yes
Import of Shape Files (SHP)		Yes	Yes	Yes
Import of ESRI ASCII Grid Files		Yes	Yes	Yes
Pinch Out Surfaces (3D)	Yes	Yes	Yes	Yes
Slice 3D Models to 2D Cross Section	Yes	Yes	Yes	Yes
Coordinate Systems				
1D Analysis	Yes	Yes	Yes	Yes
2D Analysis	Yes	Yes	Yes	Yes
3D Analysis	Yes	Yes	Yes	Yes
Temporal				
Steady-State	Yes	Yes	Yes	Yes
Transient		Yes	Yes	Yes
Initial Conditions				
Other SVFLUX™ Analysis	Yes	Yes	Yes	Yes
Constant Head / PWP	Yes	Yes	Yes	Yes
Water Table	Yes	Yes	Yes	Yes
Grid	Yes	Yes	Yes	Yes
Assign Initial Conditions by Region	Yes	Yes	Yes	Yes
Advanced Features				
Pumping Wells and Injectors	Yes	Yes	Yes	Yes
Particle Tracking		Yes	Yes	Yes
Rapid Drawdown/Rapid Filling - Effective Stress Method				*Yes
*Coupled with SVSLOPE®				
Mesh				
Fully-Automatic Generation	Yes	Yes	Yes	Yes
Manual Mesh Refinement	Yes	Yes	Yes	Yes
Material Properties				
Saturated Only	Yes	Yes	Yes	Yes
Saturated-Unsaturated (Unsaturated Fits) ²	Yes	Yes	Yes	Yes
Import from Soils Database (SVSOILS™)		Yes	Yes	Yes
Estimate Unsaturated Hydraulic Conductivity ³	Yes	Yes	Yes	Yes
Anisotropy		Yes	Yes	Yes
Staged	Yes	Yes	Yes	Yes
Boundary Conditions				
Newman & Dirchlet	Yes	Yes	Yes	Yes
Staged	Yes	Yes	Yes	Yes
Export Data Sets				
To Slope Stability (SVSLOPE®)	Yes	Yes	Yes	Yes
1 Student / Classroom editions are limited to 100 cells in 1D, 400 cells in 2D and 1200 cells in 3D.				
2 Student version uses Fredlund-Xing Fit only.				
3 Student version uses Modified Campbell only.				