

VADOSE/W Basic* Product Details

Key: ● = Full edition (all features) ○ = Basic edition (limited features) ○ = Student edition (limited features)

VADOSE/W Feature Comparison

	● Full	○ Basic	○ Student
Number of multiple/staged analyses (within one file)	No limit	2	2
Number of regions	No limit	10	10
Number of materials	No limit	10	3
Number of elements	No limit	500	500
Import regions from AutoCAD® DXF™ files	Yes	No	No
Licensed for engineering consulting use	Yes	Yes	No
Methods			
Steady-State	Yes	Yes	Yes
Transient Coupled	Yes	Yes	Yes
Transient Uncoupled	Yes	No	No
Transient Isothermal	Yes	Yes	No
Vegetation	Yes	Yes	No
Gas diffusion	Yes	Yes	No
Ground freezing	Yes	Yes	No
View Options			
2-Dimensional	Yes	1D only	1D only
Axisymmetric	Yes	No	No
Plan	No	No	No
Finite Element Meshing			
Unstructured mesh	Yes	No	No
Structured mesh	Yes	Yes	Yes
Infinite elements	Yes	No	No
Equation Solvers			
Direct equation solver	Yes	Yes	Yes
Parallel Direct Solver	Yes	No	No
Soil Models			
Hydraulic and full thermal	Yes	No	No
Hydraulic and simplified thermal	Yes	Yes	Yes
Interface material	Yes	No	No
Input Data Sets			
Climate data	Yes	Yes	40 days
Vegetation data	Yes	Yes	No
Property Functions			
Conductivity functions	Yes	Yes	Yes
Water content function	Yes	Yes	Yes
Thermal functions	Yes	No	No
Water content function estimation	Yes	Yes	Yes
Conductivity function estimation	Yes	Yes	Yes
Add-In function (user defined)	Yes	No	No

CTRAN/W Comparison

	● Full	○ Basic	○ Student
Number of multiple/staged analyses (within one file)	No limit	2	2
Number of regions	No limit	10	10
Number of materials	No limit	10	3
Number of elements	No limit	500	500
Import regions from AutoCAD® DXF™ files	Yes	No	No
Licensed for engineering consulting use	Yes	Yes	No
Methods			
Advective-Dispersion	Yes	Yes	Yes
Particle Tracking	Yes	Yes	Yes
Density Dependent with SEEP/W	Yes	No	No
View Options			
2-Dimensional	Yes	Yes	Yes
Axisymmetric	Yes	Yes	Yes
Plan	Yes	Yes	Yes
Finite Element Meshing			
Unstructured mesh	Yes	Yes	Yes
Structured mesh	Yes	Yes	Yes
Infinite elements	Yes	No	No
Equation Solvers			
Direct equation solver	Yes	Yes	Yes
Parallel Direct Solver	Yes	No	No
Property Functions			
Diffusion function	Yes	Yes	Yes
Adsorption function	Yes	Yes	Yes
Add-In function (user defined)	Yes	No	No
Boundary Functions			
	Yes	No	No

*VADOSE/W Basic includes a CTRAN/W Basic license for some types of integrated analysis

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