

## QUAKE/W Product Details

### QUAKE/W Purchasing Options

	GeoStudio					
	Universal	Professional	Standard	QUAKE/W	Basic	Student (Free)
SLOPE/W	●	●	●		○	○
SEEP/W	●	●	●		○	○
SIGMA/W	●	●	●		○	○
QUAKE/W	●	●		●	○	○
TEMP/W	●	●			○	○
CTRAN/W	●	●			○	○
AIR/W	●				○	○
VADOSE/W	●				○	○

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

### QUAKE/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
<b>Methods</b>			
Initial Static	Yes	Yes	Yes
Equivalent Linear Dynamic	Yes	Yes	Yes
Equivalent Linear PWP Only	Yes	No	No
Nonlinear Dynamic	Yes	No	No
<b>Finite Element Meshing</b>			
Unstructured mesh	Yes	Yes	Yes
Structured mesh	Yes	Yes	Yes
<b>Structural Elements</b>			
Bar element	Yes	Yes	Yes
Beam element	Yes	Yes	Yes
<b>Equation Solvers</b>			
Direct equation solver	Yes	Yes	Yes
Parallel Direct Solver	Yes	No	No
<b>Soil Models</b>			
Linear-Elastic	Yes	Yes	Yes
Equivalent Linear	Yes	No	No
Nonlinear	Yes	No	No
<b>Property Functions</b>			
Pore-water pressure function	Yes	Yes	Yes
Cyclic number function	Yes	Yes	Yes
Ka-correction function	Yes	Yes	Yes
Ks-correction function	Yes	Yes	Yes
G-Reduction function	Yes	No	No

<b>QUAKE/W Feature Comparison (continued)</b>	<input checked="" type="radio"/> Full	<input type="radio"/> Basic	<input type="radio"/> Student
<b>Property Functions (continued)</b>			
Damping Ratio function	<b>Yes</b>	No	No
Add-In function (user defined)	<b>Yes</b>	No	No
<b>Boundary Functions</b>	<b>Yes</b>	No	No

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