

QUAKE/W 2007 Product Details

QUAKE/W 2007 Purchasing Options

| GeoStudio 2007 | | | | | | |
|----------------|-----------|--------------|----------|---------|-------|----------------|
| | 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 2007 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 | | | |
| Initial Static | Yes | Yes | Yes |
| Equivalent Linear Dynamic | Yes | Yes | Yes |
| Equivalent Linear PWP Only | Yes | No | No |
| Nonlinear Dynamic | Yes | No | No |
| Finite Element Meshing | | | |
| Unstructured mesh | Yes | Yes | Yes |
| Structured mesh | Yes | Yes | Yes |
| Structural Elements | | | |
| Bar element | Yes | Yes | Yes |
| Beam element | Yes | Yes | Yes |
| Equation Solvers | | | |
| Direct equation solver | Yes | Yes | Yes |
| Parallel Direct Solver | Yes | No | No |
| Soil Models | | | |
| Linear-Elastic | Yes | Yes | Yes |
| Equivalent Linear | Yes | No | No |
| Nonlinear | Yes | No | No |
| Property Functions | | | |
| 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 |

QUAKE/W 2007 Feature Comparison (continued) Full Basic Student**Property Functions (continued)**

Damping Ratio function

Yes

No

No

Add-In function (user defined)

Yes

No

No

Boundary Functions**Yes**

No

No