



SAP2000 is available in four levels:  
**Basic, Plus, Advanced, and Ultimate**

<b>Modeling</b>	<b>Basic</b>	<b>Plus</b>	<b>Advanced</b>	<b>Ultimate</b>
Model Size (limited to 1500 nodes)	v			
Model Size (no practical limit)		v	v	v
Templates	v	v	v	v
Model Views	v	v	v	v
<i>Object Model View</i>	v	v	v	v
<i>Element Model View</i>	v	v	v	v
Grid Systems	v	v	v	v
Plans and Elevations	v	v	v	v
Interactive Database Editing	v	v	v	v
Meshing Tools	v	v	v	v
<i>Edge Constraints</i>	v	v	v	v
<b>Structural Components</b>	<b>Basic</b>	<b>Plus</b>	<b>Advanced</b>	<b>Ultimate</b>
Joints	v	v	v	v
Frames	v	v	v	v
<i>Section Properties</i>	v	v	v	v
Cables	v	v	v	v
Tendons	v	v	v	v
Shells	v	v	v	v
Solids		v	v	v
Links	v	v	v	v
Hinges			v	v
Springs	v	v	v	v
Cables - Nonlinear Catenary Behavior			v	v
Nonlinear Frame Hinge Element			v	v
Nonlinear Layered Shell Element			v	v
Nonlinear Link Elements: Gaps and Hooks	v	v	v	v
Nonlinear Link Elements: Plasticity, Dampers, Isolators			v	v
<b>Loading</b>	<b>Basic</b>	<b>Plus</b>	<b>Advanced</b>	<b>Ultimate</b>
Automatic Code Based Loading	v	v	v	v
<i>Seismic</i>	v	v	v	v
<i>Wind</i>	v	v	v	v
<i>Moving Loads</i>		v	v	v
Wave Loads				v
User Loads	v	v	v	v



<i>Force/Moment</i>	v	v	v	v
<i>Displacement</i>	v	v	v	v
<i>Temperature</i>	v	v	v	v
<i>Strain</i>	v	v	v	v
<i>Pore Pressure</i>	v	v	v	v
Open Structure Wind Loading	v	v	v	v
Point, Line, Trapezoidal, and Area Loads	v	v	v	v
<b>Analysis</b>	<b>Basic</b>	<b>Plus</b>	<b>Advanced</b>	<b>Ultimate</b>
SAPFireTM Analysis Engine	v	v	v	v
<i>Eigen Analysis</i>	v	v	v	v
<i>Ritz Analysis</i>	v	v	v	v
<i>Multiple 64-Bit Solvers</i>	v	v	v	v
Static	v	v	v	v
Dynamic	v	v	v	v
<i>Modal</i>	v	v	v	v
<i>Response Spectrum</i>	v	v	v	v
<i>Time History</i>		v	v	v
Buckling		v	v	v
P-Delta	v	v	v	v
Pushover			v	v
Staged Construction		v	v	v
<i>Single Stage from Initial State</i>		v	v	v
<i>Change Sections &amp; Assignments</i>		v	v	v
<i>Multiple Stages</i>				v
<i>Time Dependent Stiffness</i>				v
<i>Creep and Shrinkage</i>				v
Power Spectral Density		v	v	v
Steady State		v	v	v
Nonlinear Analysis			v	v
<i>Nonlinear Buckling</i>			v	v
<i>Wilson FNA (Fast Nonlinear Analysis) Method</i>			v	v
<i>Direct Integration Time History</i>			v	v
<i>Material Nonlinearity - Frame, Hinges and Links</i>			v	v
<i>Geometric Nonlinearity - Large Displacement</i>			v	v
Target Force			v	v
Hyperstatic	v	v	v	v
Load Combinations	v	v	v	v
Model Alive	v	v	v	v
<b>Design</b>	<b>Basic</b>	<b>Plus</b>	<b>Advanced</b>	<b>Ultimate</b>
Steel Frame	v	v	v	v
Concrete Frame	v	v	v	v
Aluminum Frame	v	v	v	v
Cold Formed Frame	v	v	v	v
<b>Output and Display</b>	<b>Basic</b>	<b>Plus</b>	<b>Advanced</b>	<b>Ultimate</b>
Deformed Geometry	v	v	v	v
Force Diagrams	v	v	v	v
General Displacement	v	v	v	v
Section Cuts	v	v	v	v
Virtual Work Diagrams	v	v	v	v
Influence Lines		v	v	v
Plot Functions	v	v	v	v



Tabular Output	v	v	v	v
Video Animations	v	v	v	v
<b>Reporting</b>	<b>Basic</b>	<b>Plus</b>	<b>Advanced</b>	<b>Ultimate</b>
Quick Report	v	v	v	v
Advanced Report Writer	v	v	v	v
<b>Tools</b>	<b>Basic</b>	<b>Plus</b>	<b>Advanced</b>	<b>Ultimate</b>
Load Optimizer	v	v	v	v
Section Designer	v	v	v	v
Application Programming Interface	v	v	v	v
<b>Import and Export</b>	<b>Basic</b>	<b>Plus</b>	<b>Advanced</b>	<b>Ultimate</b>
Supported Formats	v	v	v	v
Building Information Modeling	v	v	v	v
CSiXRevit Compatible	v	v	v	v
Tekla Structures	v	v	v	v

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