

# Home

## Welcome to the CSI Knowledge Base



- The [CSI Knowledge Base](#) is a searchable, online encyclopedia that provides information to the Structural Engineering community.
- The purpose of the [CSI Knowledge Base](#) is to further understanding within the field and to assist users with [CSI Software](#) application.
- Documentation may be of general technical interest or specific to [CSI Software](#) application.
- Please visit the [Help Space](#) for tips on navigating the Knowledge Base and for information on contacting [CSI Technical Support](#).
- **Website** – [www.csiamerica.com](http://www.csiamerica.com)
- **Twitter** – Follow us at [@csiamerica](#)
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- **Watch & Learn™** videos are available on [YouTube](#)

[Recommended Articles](#) · [Troubleshooting Checklist](#) · [Product Descriptions](#)

**Search Feature** – Find resources quickly by entering key terms into the search box in the upper-right corner of any page.

## General Technical Topics

<b>A</b>	<a href="#">Acceleration</a> · <a href="#">OAPI</a> · <a href="#">Auto lateral load</a>
<b>B</b>	<a href="#">Bridge Modeler</a> · <a href="#">Buckling</a>
<b>C</b>	<a href="#">Cable</a> · <a href="#">Composite behavior</a> · <a href="#">Constraint</a> · <a href="#">Creep</a>
<b>D</b>	<a href="#">Damping</a> · <a href="#">Design</a> · <a href="#">Display</a>
<b>E</b>	<a href="#">Error</a> · <a href="#">Export</a>
<b>F</b>	<a href="#">Frame</a>
<b>G</b>	<a href="#">Generalized displacements</a>
<b>H</b>	<a href="#">Hinge</a>
<b>I</b>	<a href="#">Import</a> · <a href="#">Installation</a> · <a href="#">Interoperability</a>
<b>J</b>	<a href="#">Joint</a>
<b>L</b>	<a href="#">Lane</a> · <a href="#">Licensing</a> · <a href="#">Link</a> · <a href="#">Load case</a> · <a href="#">Load combination</a> · <a href="#">Load pattern</a>
<b>M</b>	<a href="#">Mass</a> · <a href="#">Meshing</a> · <a href="#">Miscellaneous</a> · <a href="#">Modal analysis</a> · <a href="#">Modeling techniques</a> · <a href="#">Moving load</a>
<b>N</b>	<a href="#">Nonlinear</a> · <a href="#">Numerical problems</a>
<b>P</b>	<a href="#">P-Delta effect</a> · <a href="#">Plugins</a> · <a href="#">Power spectral density</a> · <a href="#">Program usage</a> · <a href="#">Pushover</a>
<b>R</b>	<a href="#">Reporting</a> · <a href="#">Response spectrum</a>
<b>S</b>	<a href="#">Section cut</a> · <a href="#">Section Designer</a> · <a href="#">Shell</a> · <a href="#">Shrinkage</a> · <a href="#">Soil</a> · <a href="#">Solid</a> · <a href="#">Solver</a> · <a href="#">Staged construction</a>
<b>T</b>	<a href="#">Target force</a> · <a href="#">Tendon</a> · <a href="#">Tension and compression limits</a> · <a href="#">Time history</a>
<b>V</b>	<a href="#">Vehicle</a> · <a href="#">Vibration</a>

## Product-specific information

Product descriptions and *additional* information specific to each [CSI Software](#) are accessible through these links:

- [SAP2000](#) – General-purpose structural analysis and design software
- [CSiBridge](#) – Specialized bridge-engineering software
- [ETABS](#) – Multi-story building analysis and design software
- [SAFE](#) – Foundation and elevated-slab software
- [PERFORM-3D](#) – Sophisticated modeling and performance-assessment software
- [CSiCOL](#) – Advanced column design and evaluation software

## Browse by content type

Specific content types may be accessed through the links which follow:

- [Videos](#) – CSI Watch & Learn video series
- [Tutorials](#) – Tutorials and supplemental documentation
- [Documentation](#) – Manuals, technical notes, and documentation distributed with CSI Software
- [Test Problems](#) – Sample problems with supplemental models and calculation sets

## Miscellaneous

- [Help Space](#) – Information on using the Knowledge Base and contacting Technical Support
- [Feed Builder](#) – Customize your own RSS feed