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Perform 3D

This space is devoted to **Perform3D**. Please visit the Technical Knowledge Base for documentation on topics common to all CSI Software.

Perform3D is a structural-engineering software useful for the performance assessment of structural systems. State-of-the-art constitutive-modeling capabilities enable characterization of material nonlinearity, including strength and stiffness degradation during component-level hysteresis. Analysis capabilities also extend to geometric nonlinearity and effects associated with P-Delta behavior. Advanced modeling tools enable a sophisticated simulation of structural behavior. Components may be grouped according to type, location, and limit state before evaluation proceeds in terms of strength or deformation-based demand-capacity ratio. The dynamic display of D-C usage is available through color-coordinated time-history animations.

Perform3D is an ideal tool for nonlinear performance-based analysis and design, created by Dr. Graham H. Powell, University of California at Berkeley Professor Emeritus of Civil Engineering.