



### CSI Perform3D v10.0.0 Build 1415 (Win)

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#### CSI Perform3D v10.0.0 Build 1415 (Win):

Perform3D is a specialized nonlinear analysis and design software tailored for displacement-based and capacity design of buildings.

It facilitates performance-based design through robust modeling, analysis, and performance assessment tools. With support for nonlinear building components like frame hinges, shear walls, dampers, braces, and seismic isolators, Perform3D enables precise modeling of complex structures. Its 64-bit analysis engine supports advanced techniques such as nonlinear pushover and dynamic earthquake analyses, with the ability to run up to 8 parallel analyses for efficient processing. The software also provides tools for comprehensive performance assessment, including strain gauge elements, deformation and strength capacity definitions, and demand-over-capacity ratio calculations. Perform 3D models can be seamlessly integrated with SAP2000 or ETABS for streamlined workflows.

- **Elements and Components:** These include nonlinear building components such as frame hinges, shear walls, dampers, braces, and seismic isolators.
- **Inelastic Components:** Allows for detailed modeling of both elastic and inelastic behaviors.
- **Nonlinear Analysis:** Supports pushover and dynamic earthquake analyses.
- **Parallel Processing:** 64-bit engine capable of running up to 8 analyses simultaneously.
- **Response Measures:** Tools to measure deformation, strength, and strain in elastic and inelastic components.
- **Behavior Check:** Features for assessing structural behavior, including limit state evaluations.
- **Demand-Over-Capacity Ratios:** Aggregates response data for simplified performance assessment.
- **Interoperability:** Models can be exported from SAP2000 or ETABS as a starting point for further analysis in Perform3D.
- **Comprehensive Data:** Provides detailed results output and supports database table generation for further analysis.



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