

SolidWorks Simulation Premium Dynamics

Course Information

This course is targeted for the user who would like to become productive in analyzing structures subjected to various types of dynamic loading. The material covered includes the time dependent analysis (force loads as well as motion shock loading examples), harmonic analysis and random vibration analysis. This course is an advanced course offering hands-on experience on the use of SolidWorks Simulation Dynamics modules.

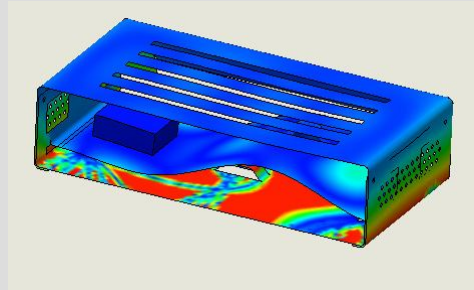
Course Length: 2 days
Hours: 8:30am – 4:30pm

Prerequisite:

- SolidWorks Simulation 3 day course
- Knowledge of SolidWorks + working basic knowledge of finite elements
- Basis mechanical principles
- Knowledge of basic principles in Vibrations is strongly recommended, but not required

Includes:

- Color Training Manual
- Completion Certificate



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Course Contents:

•Analysis

- Modal time history analysis
- Steady-state harmonic analysis
- Random vibration

•Damping

- Rayleigh damping, modal damping, composite damping

•Excitation

- Load vs. time data for nodal forces pressure loads
- Uniform and nonuniform base excitations in the time or frequency domain for displacements, velocity and acceleration
- Harmonic excitation for nodal forces, pressure loads, uniform and nonuniform ground motions and varied phase angles
- Power spectral density(PSD) excitation curves for nodal forces, pressure loads, uniform and nonuniform ground motions

- Certified Instructors leading training at our state-of-the art facilities

- Classes offered in several locations in MS, AL, and TN

- CIP is an Authorized SolidWorks and Simulation Training Center

- CIP offers classes on customer site
Contact the Sales Dept
662-256-8333

- Schedule:
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