

Structural Dynamics Testing I

Learn the basics, bring your structure and leave with a completed modal model in this hands-on course.

Course Description

DVT Testing provides a unparalleled facility for dynamics and vibration training. We have the space and support team to receive your test article, mount and instrument it and have it available for the training course. We can provide pre-test analysis and 3D scanning if you don't have FE model available. When FE models are available we can perform pre-test analysis along with correlation and modeling updating. Our existing demo test models are available.

Training Program

Tour of Facility and Training Demo System

Background Theory and Basics

Data Acquisition and Measurements

Test Planning and Instrumentation

Geometry creation, import and modification

Test setup validation and impact testing

Review preliminary results

Impact testing, nonlinearity checks, curve fit

Shaker configuration and testing

Data validation and curve fit

Troubleshooting and best practices

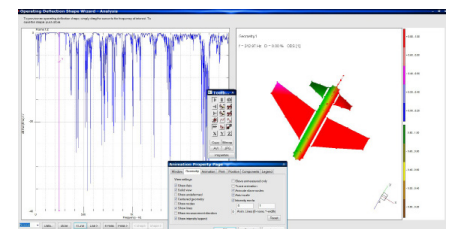
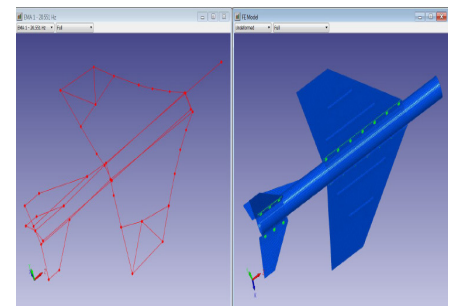
Questions and summary

Dynamics Vibration Testing in Springfield, IL

\$1,500/per person - August 18, 2017

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Modal analysis on a parallel robot