

VibraTools Suite™

NEW!

**Axiom
EduTech**

OPEN PLATFORMS

NonlinTools™

The software for non-linear analysis and simulation

- Powerful analysis and simulation of linear and nonlinear systems.
- Multiple sources included to excite the systems
- It helps proving how linear your system is
- Flexible graphing and presentation capabilities
- MATLAB®-based for superior power and flexibility

Key Benefits

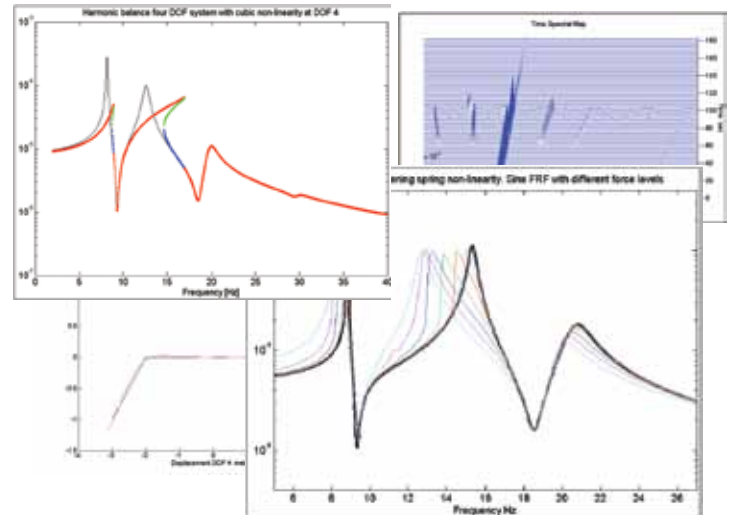
The NonlinTools™ is a bleeding-edge software platform for simulating and identifying nonlinear mechanical systems. With NonlinTools™ you can simulate time responses, or frequency responses for arbitrary input forces on a multitude of nonlinear systems. The software builds on our unique, breakthrough technology for computing forced response for linear systems in the time domain. This technology has been extended to multiple-degree-of-freedom nonlinear systems with arbitrary force inputs.

The key to a successful implementation of experimental analysis of nonlinear systems lies in the ability to simulate arbitrary nonlinear systems. To develop an experimental method you need to be able to produce simulated results on known nonlinear systems. Thus, being able to produce time data from arbitrary nonlinear systems is of vital importance. With our innovative solutions, you can now compute time domain forced response for linear or nonlinear MDOF systems with forces in arbitrary locations. The methods are fast and reliable, and with unprecedented dynamic range and accuracy.

In NonlinTools™ we also utilize common methods like harmonic balance; a powerful and practical method for investigating nonlinear systems. The software includes simulation of harmonic balance measurements on any nonlinear system. There are also built-in noise generators to simulate true random or burst random measurements.

WWW.VIBRATOOLS.COM

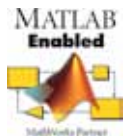
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Main Features

The SAFE way to

- Keep data under *your* control
- Make traceable scripts
- See and understand what you're doing at all times
- Add your own application-specific commands
- Add Matlab's flexibility and numerical tools
- Import and export data to/from popular file formats



...in addition, you get

- Easy-to-use software with powerful commands for spectral analysis, filtering, modal analysis, etc.
- Easy handling of large channel counts
- Easy graphical user interface (GUI) tools for customizing your applications
- Excellent price/performance ratio
- Easy upgrade path to add ModalTools™ for powerful and flexible modal analysis or DuraTools™ for durability and environmental analysis according to ISO standards

¹ Contact us for details of product compatibility

Distributor/Representative



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