SPECTRAL DYNAMICS

Vibration and Shock Testing/Jaguar/ Lynx Training Programs

Example Topics (Tailored to attendees requirements)

- ✓ Vibration related troubles
- ✓ Resonance and Transmissibility
- ✓ Signals
- ✓ Time and Frequency Domains
- ✓ Sine Vibrations: Swept Sine and Stepped Sine
- ✓ Discussing Parameters for a Sine Vibration Test
- ✓ What are Random Vibrations?
- ✓ Discussing Parameters for a Random Vibration Test
- ✓ Shock Tests
- ✓ Discussing Parameters for a Shock Test
- ✓ What are these tests:
  - Road Simulation
  - Sine-on-Random
  - Random-on-Random Tests
- ✓ Understanding decibels in Vibration Testing
- ✓ g's, PSD and SRS
- ✓ Sensors (Accelerometers)
- ✓ Electrodynamic Shakers
- ✓ Slip Tables
- ✓ Head Expanders
- ✓ Fixtures
- ✓ Force Calculations
- ✓ How to test very large DUTs?
- ✓ Why/Where multiple shakers are required?
- ✓ Multi-Shaker Control (MIMO Control)
- ✓ Demo and Hands-on Training

SD Customer Support Programs:
* Health check for complete Shaker Systems
* Software support for SD Control systems
* Online/Virtual Training Programs
* We fix Vibration Test related issues which have kept you awake at night

VIBRATION AND SHOCK TESTING FUNDAMENTALS

JAGUAR CONTROL SYSTEM: MISO AND MIMO TEST SETUP AND OPERATIONS

LYNX CONTROL SYSTEM: TEST SETUP AND OPERATIONS

TRAINING PROGRAM CAN BE ARRANGED AT SAN JOSE OR MARYLAND OR AT YOUR SITE. JUST ASK!

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