Analyzer Functions

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VR
VIBRATION RESEARCH

Analyzer Functions

- Defined - Provides Coherence, Cross-Spectrum, and Transfer Function plots in both Random and F.D.R. test modes, FFT Spectrum plots in Sine test mode, and Scatter Plots (channel-vs-channel) in all test modes. In addition, this option provides a configurable function generator for outputting user-defined voltage waveforms. (open-loop Waveform Synthesis) Pretest uses a low level drive signal and looks at the control & response channels to predict what will be needed at full level. Intelligent startup uses what was learned during pretest in the full level control algorithm.

Analyzer Functions - Sine

- Additional Graphs

1. Scatter Plot
2. Spectrum
3. Transmissibility vs Phase

- Additional Test Settings

1. Pre-Test
2. Analyzer With Swept THD Option
3. Open-Loop Waveform Synthesis

Analyzer Functions - Random

- Additional Graphs
1. Cross Spectrum
2. Scatter Plot
3. Transfer Function
4. Coherence

- Additional Test Settings
1. Pre-Test With Memorized Drive (Version 2014 and Up)
2. Open-Loop Waveform Synthesis

Analyzer Functions – Shock SRS
User Defined Transient

⦿ Additional Graphs
1. Transfer Function
2. Coherence

⦿ Additional Test Settings
1. Pre-Test With Memorized Drive. Classical Shock Only (Version 2014 and Up)
2. Transfer Function Parameters. Transient Capture Only (Version 2014 and Up)

Analyzer Functions – FDR

- Additional Graphs
1. Cross Spectrum
2. Scatter Plot
3. Transfer Function
4. Coherence

- Additional Test Settings
1. Open-Loop Waveform Synthesis

Thank You for Attending!