



Shock Response Spectrum Analysis

This powerful package presents the End User with Shock Response Spectrum analysis and graphing capabilities. Signalysis provides a full-featured package designed for producing graphs that are typically used in applications ranging from simple shock excitation analysis to being used as a spacecraft and avionics component design tool Applying the SRS concept.

Software Features

Amplitude for limit setup Min Max

Analysis Type

Primary Response-Positive, Negative or Magnitude

Residual Response-Positive, Negative or Absolute Magnitude

Maxi-Max Response-Maximum absolute magnitude, primary and residual time periods

Primary Duration: no primary/residual processing

Finite Element Model (FEM)

Frequency Range: Half Sine, Square Pulse

Primary Duration: specified as number of seconds

Frequency Spacing

Processed Data

Limit Multiplier

Damping Factor

Nominal Input Data

Preprocessing of Input Data

Digital Filtering

Single Integration

Double Integration

Data Export

Single-Degree-of-Freedom

Target Spectrum Options

Total Duration from Data Source

Tolerance Bands

Graphics Display

Transient Waveform

Total Duration specified as number of seconds

Amplitude for limit setup target

Template for Graph Preferences

