Abstract

Signal analysis techniques are categorized into three types. They are signal magnitude
analysis, time domain analysis, and frequency domain analysis. Each type has its advantages and disadvantages. In the present work, signal magnitude analysis parameters are analyzed for response signals monitored during various types of vibration tests on satellites. Considering the fact that the efficiency of compression techniques depends on the characteristics of the data being compressed, results of this analysis will be used to choose a suitable approach to compress the satellite vibration test data.

References


Index Terms

Computer Science  Electronic Design And Signal Processing

Keywords

Signal Magnitude Analysis  Vibration Signal  Random Signal  Sine Signal  Shock Signal