Comparison of 3D Laser and Optical Methods

Apache Helicopter Wing Transient Response

Some current laser and optical methods for transient response models

Evaluation of different measuring methodologies for improved system dynamic characterization used for the Apache helicopter wing. Measurements include 3D laser vibrometer and full field digital image correlation techniques along with traditional accelerometer FRF measurements. All techniques used for comparison to a finite element model to identify strengths and weaknesses of the various approaches.