

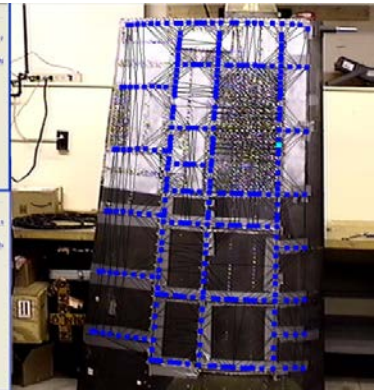
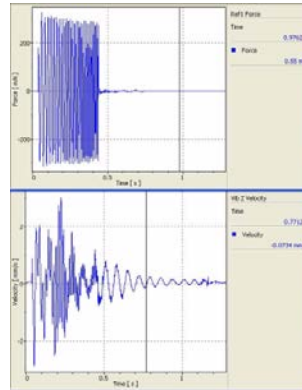
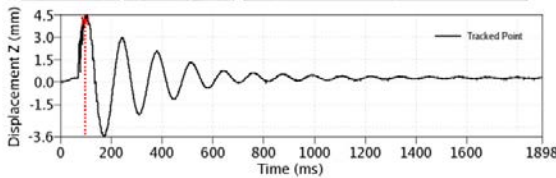
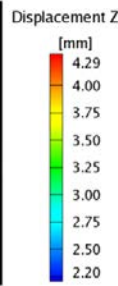
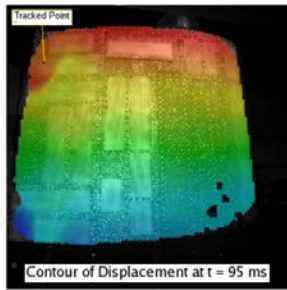
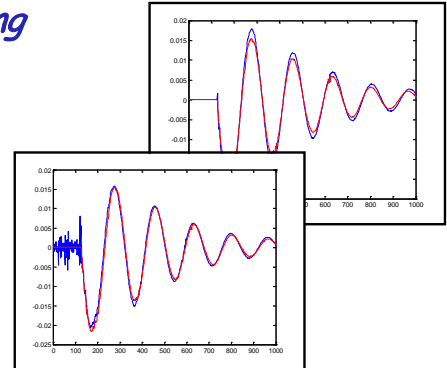


Comparison of 3D Laser and Optical Methods



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