



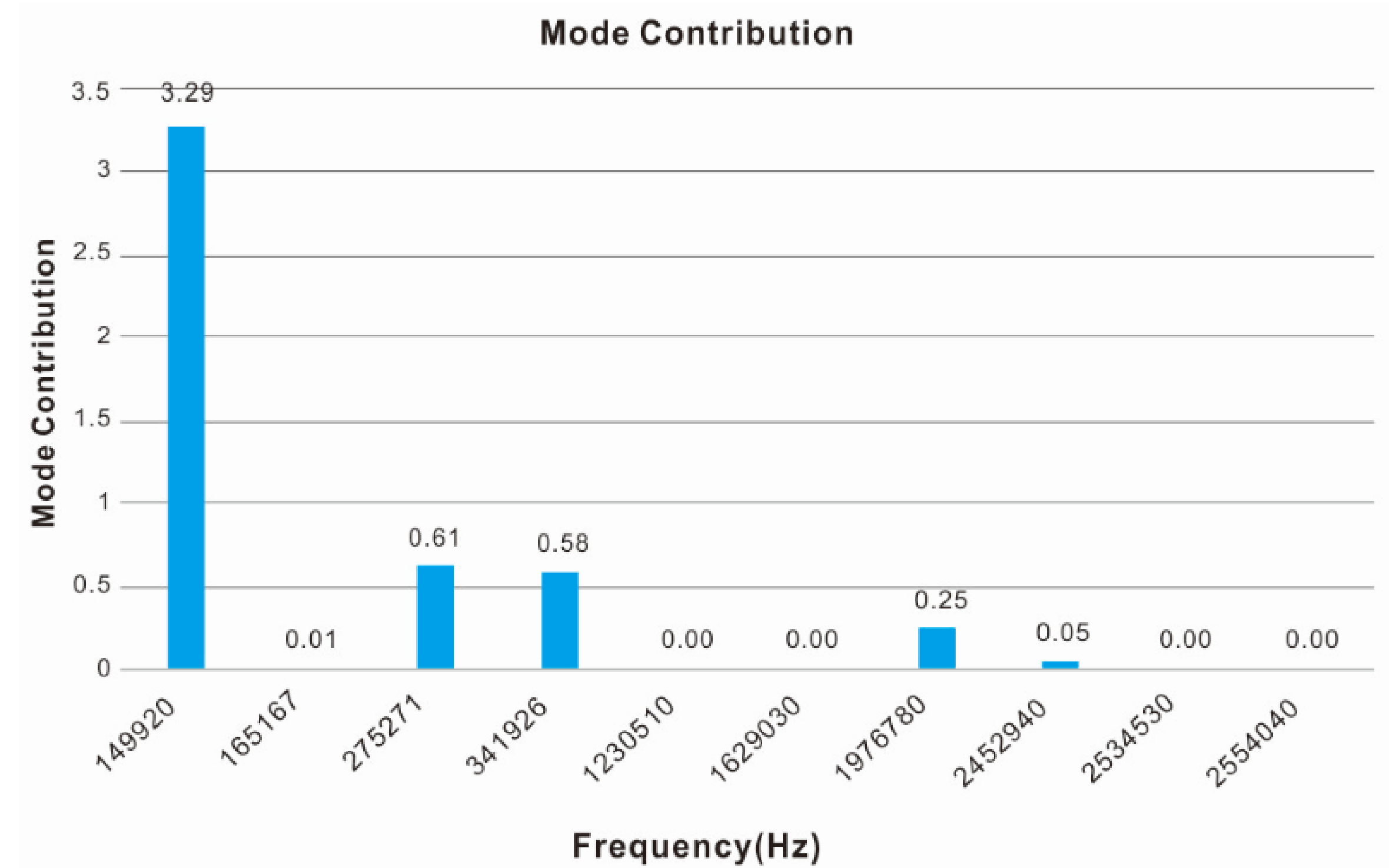
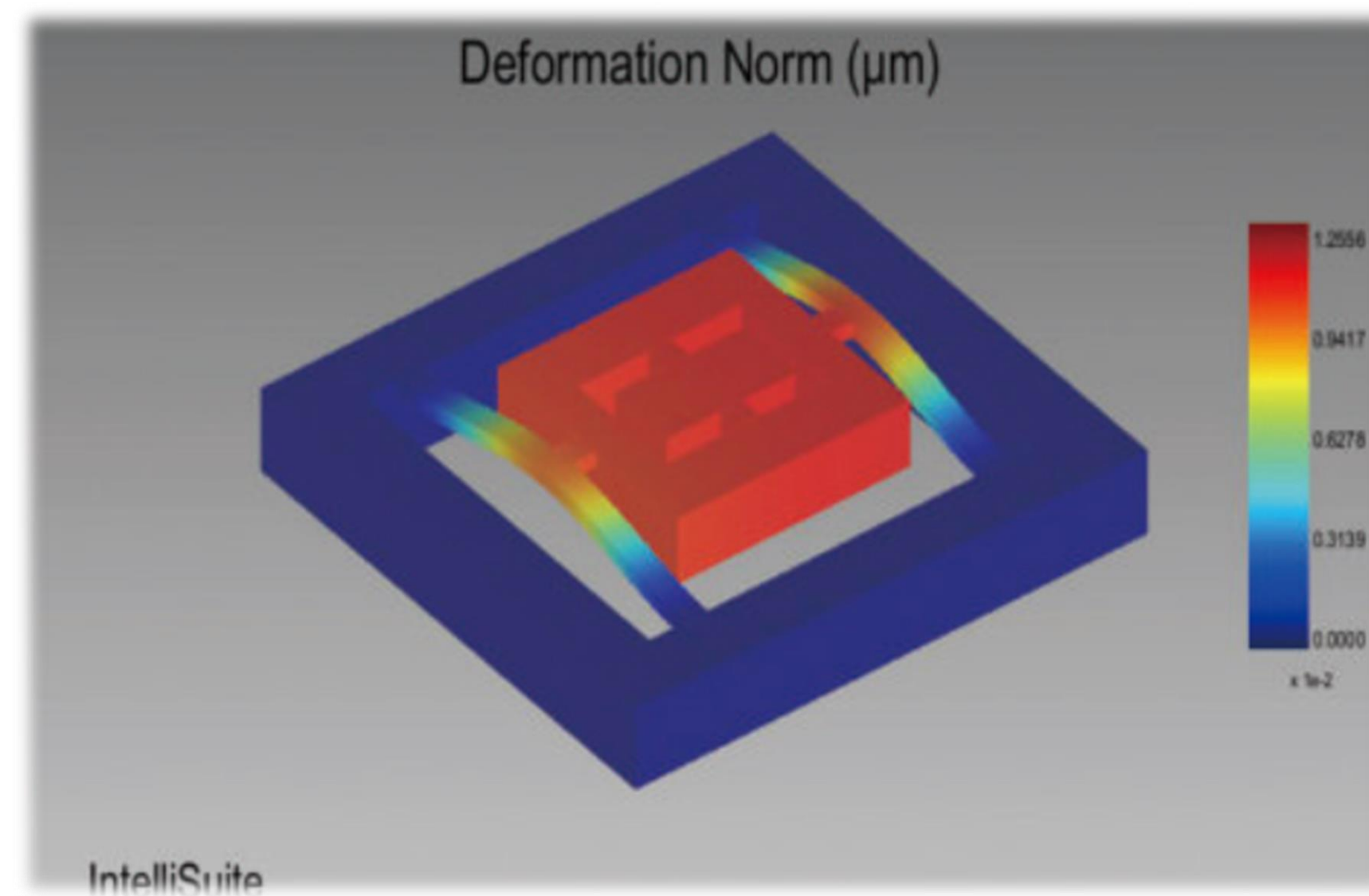
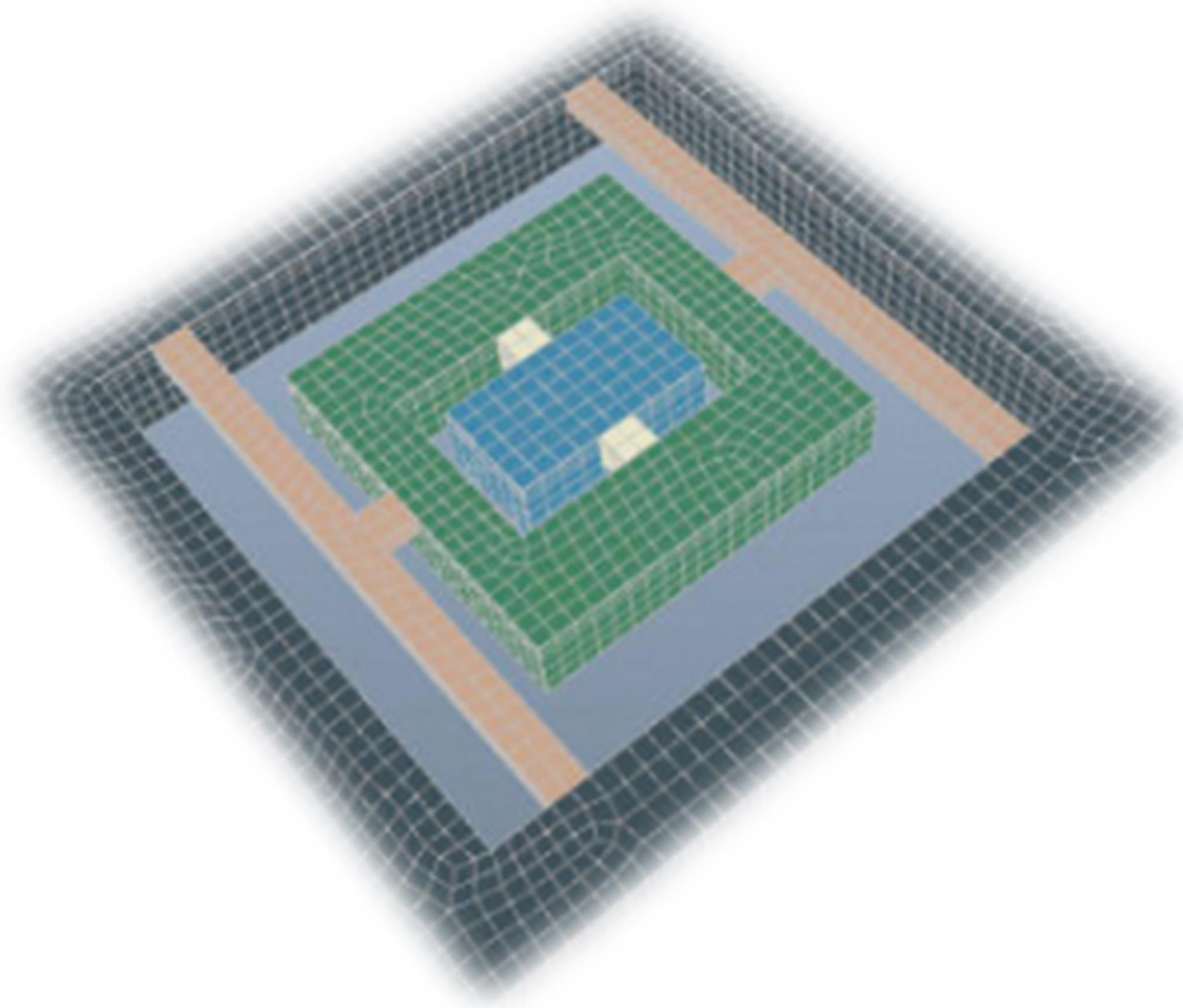
Having difficulty with Design and Analysis of Nonlinear MEMS System? IntelliSuite can help!



IntelliSense

Applications: Energy harvester, Resonator, Filter, Gyro, Micro mirror etc.

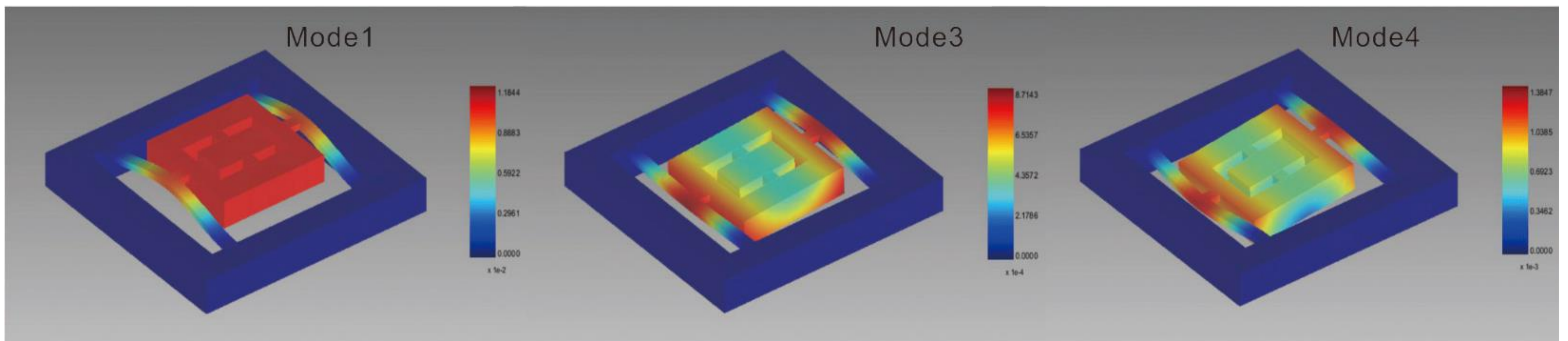
Nonlinear Macro-model Extraction and Mode contribution



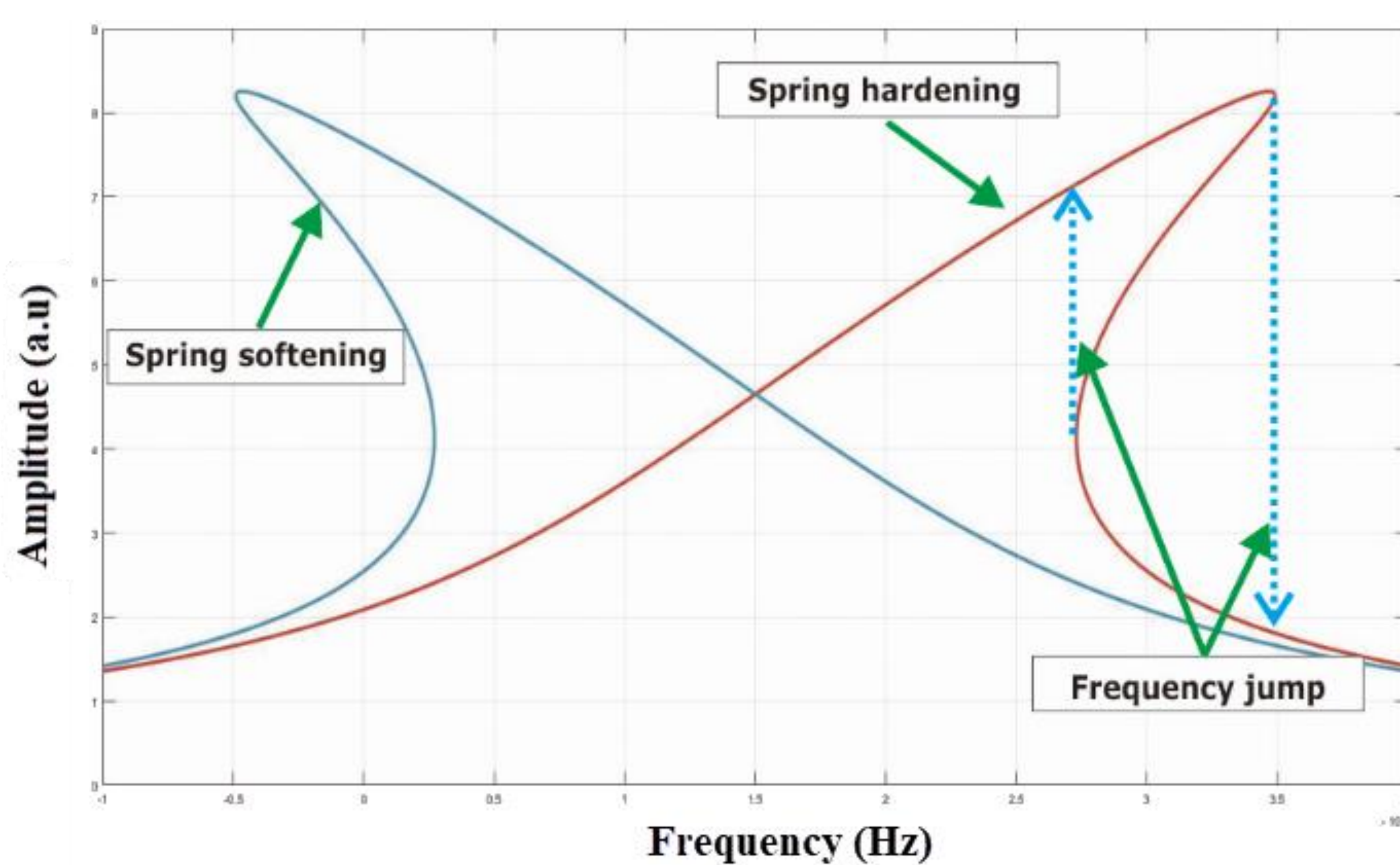
3D MEMS Structure

Structure Deformation

Mode Analysis and Coupling Extraction

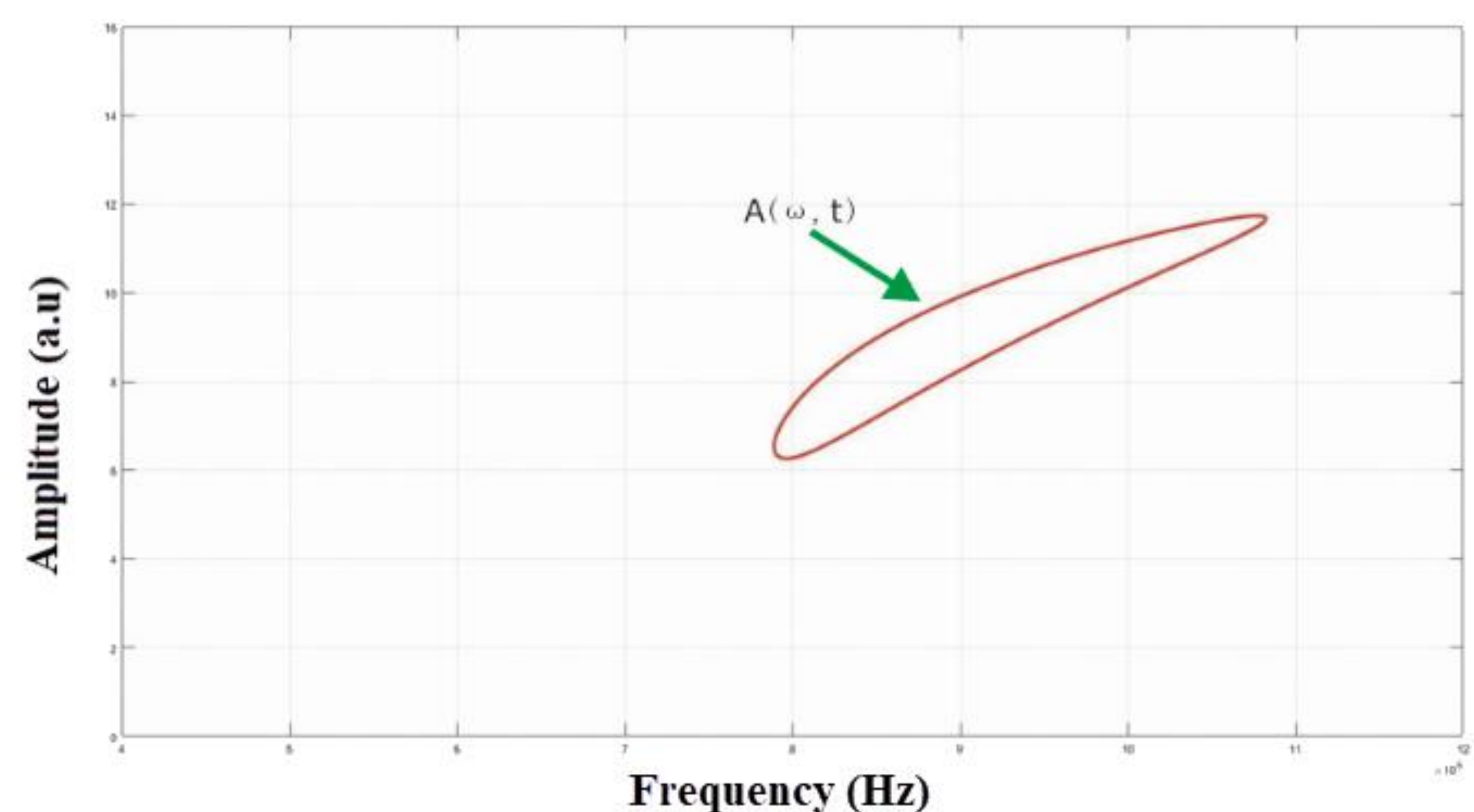


Frequency Domain Response of Nonlinear Macro-model



Amplitude vs Frequency near the primary nature frequency

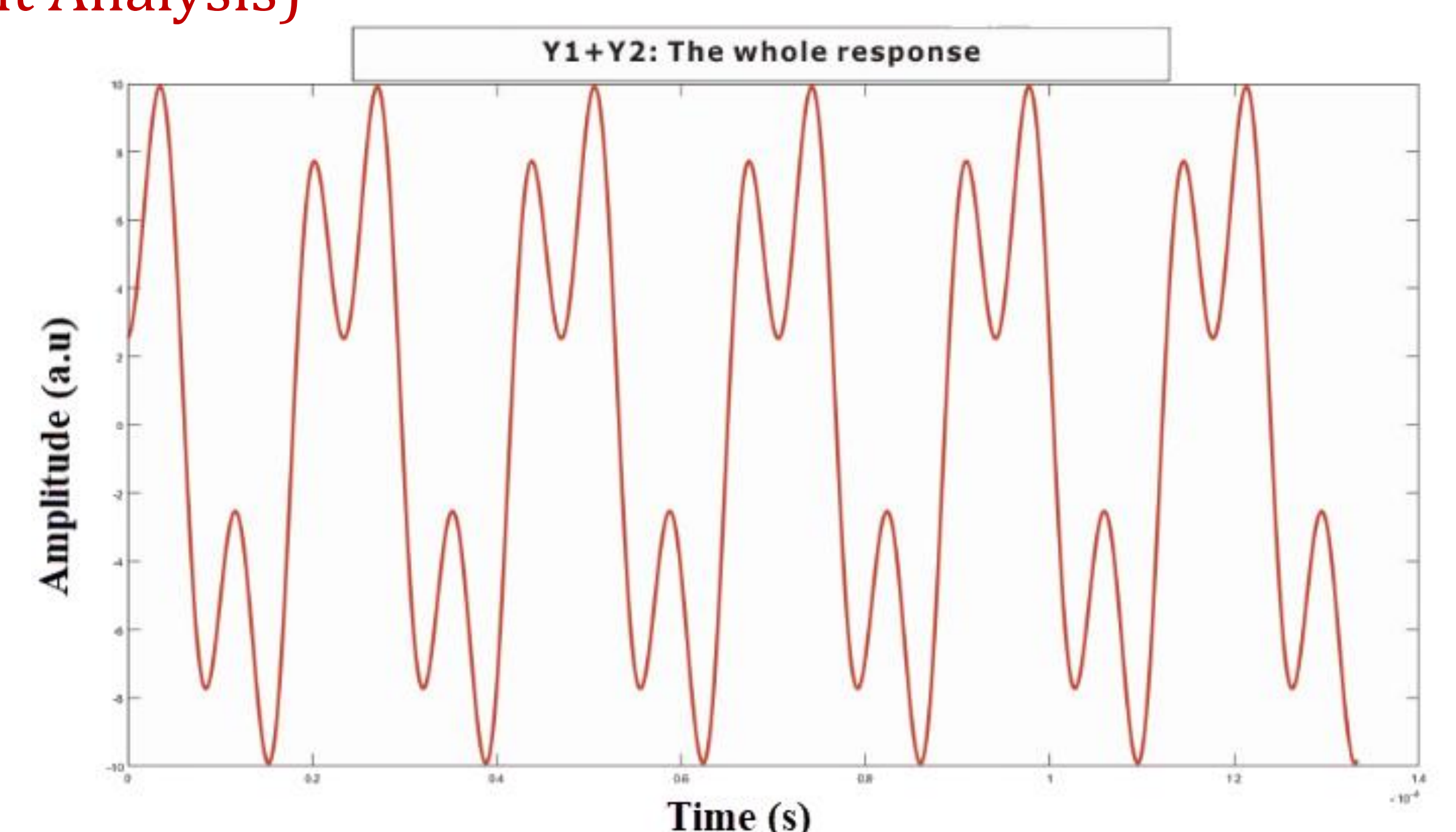
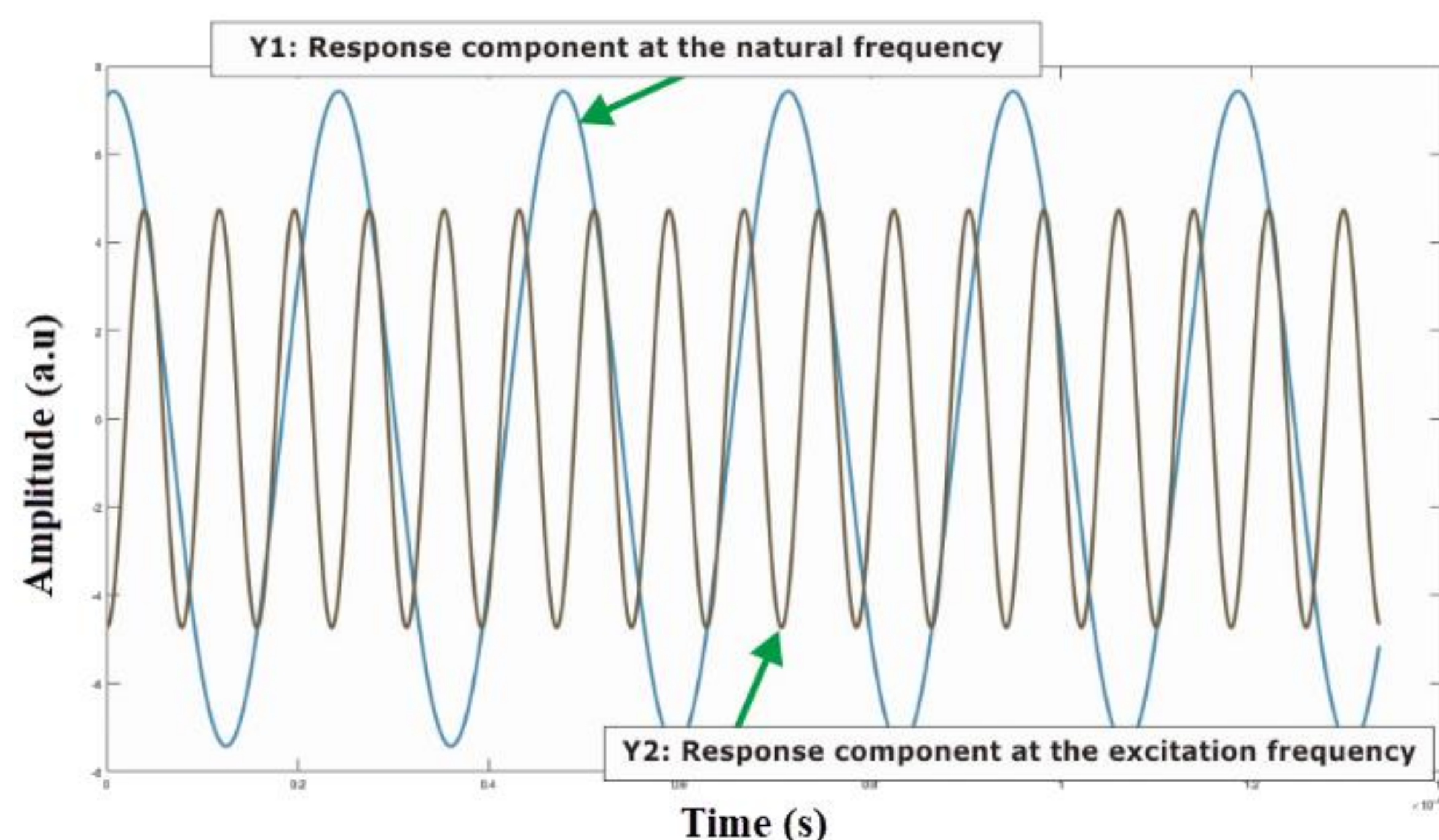
Subharmonic resonance at the excitation frequency of the three times natural frequency



Subharmonic response (Amplitude vs Frequency)

Time Domain Response of Nonlinear Macro-model

Subharmonic response (Transient Analysis)



Subharmonic resonance at the excitation frequency of the three times natural frequency