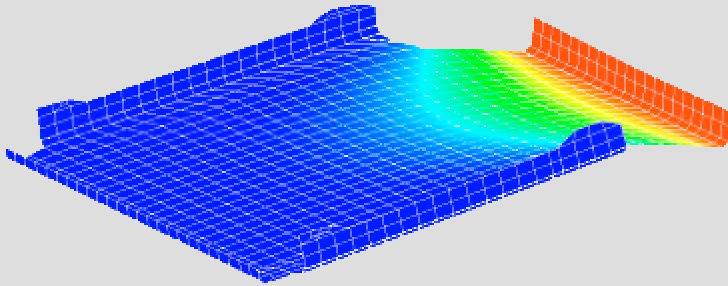
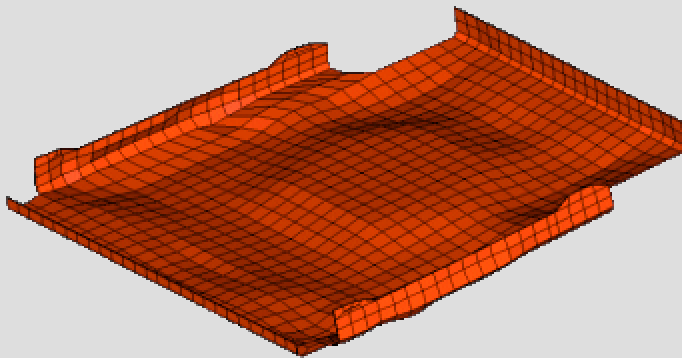


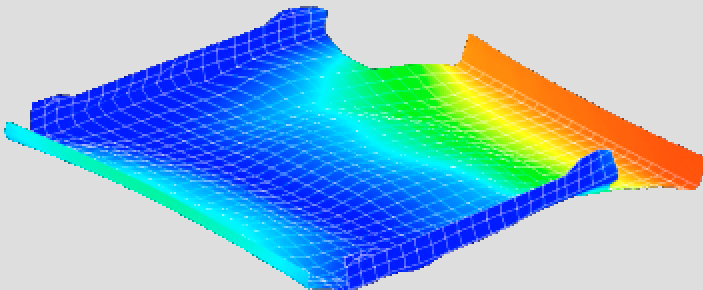
Heat Shield Shape Modified to Maximize Modal Frequencies



1st Bending
Freq = 9.4 Hz.
For Flat Heat shield



Bead Pattern is
Automatically Created
for GENESIS Optimization



1st Bending
Freq = 40.1 Hz.
For Optimized Heat shield

Heat shield Modal Frequency Increased from 9.4 Hz. to 40.1 Hz. With No Increase in Mass