

ANSYS Workbench Class3 Error Report

ERROR NO:
WB2012-10

Keywords:

MODE SUPERPOSITION HARMONIC MODAL MODAL RESTART

Description of Error:

Running a mode superposition harmonic analysis on a large model (e.g., more than 500,000 degrees of freedom) can result in the harmonic analysis solve being prematurely terminated. The error occurs as Mechanical incorrectly reports the harmonic analysis solve to be successful and erroneously post-processes and displays results from the modal results file.

Typical GUI Path(s):

1. Harmonic System (standalone) > select Mode Superposition in Solution Method
2. Modal System followed by a Harmonic System

Other Comments:

The below situations can aid in identifying the error:

1. APDL solver output file (solve.out) is incomplete.
2. Modal frequencies are listed in Tabular Data for harmonic frequency sweep results of the harmonic system.

First Incorrect Version:

Release 14.0

Corrected In:

Release 14.5

Suggested User Action For Running on Uncorrected Version:

Re-solve the entire system with a coarser mesh.

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