

ANSYS QA Notice**ERROR NO:** QA2013-01**Keywords:**

LINEAR PERTURBATION MODE SUPERPOSTION TANGENT MATERIAL OPTION
MODAL RESTART

Description of Error:

Users should be aware that when a linear perturbation modal analysis (PERTURB, MODAL) is followed by a modal restart procedure (ANTYPE,MODAL,RESTART), the stresses calculated during the modal analysis restart expansion are based on linear material properties even when the tangent material option is specified (PERTURB,MODAL,TANGENT).

Typical GUI Path(s):

Main Menu>Preprocessor>Loads>Analysis Type>Restart

Main Menu>Solution>Analysis Type>Restart

Other Comments:

Beginning at Release 15.0, this issue will be made clearer in the Mechanical APDL Command Reference (PERTURB command section) and a warning will be produced during the modal analysis restart when the tangent material option is specified in the linear perturbation modal analysis.

First Incorrect Version:

Release 14.0

Corrected In:

Release 15.0

Suggested User Action For Running on Uncorrected Version:

Use the linear material option in a linear perturbation modal analysis or avoid using the modal restart procedure.

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