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ANSYS Class3 Error Report 2008-18R1  
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ERROR NO: 2008-18R1

Keywords:

BEAM188 BEAM189 TORSIONAL SHEARS

Description of Error:

The XY and XZ torsional shear strain and stress components of BEAM188 and BEAM189 are mistakenly switched in the listing and plotting output (OUTPR (with KEYOPT(7)=2), PLESOL, and PLNSOL commands). Note that this error only affects the listing and plotting of these items. The results file is not affected by this error; the XY and XZ torsional shear strain and stress components of BEAM188 and BEAM189 are NOT switched in the results file.

The combined shear stress output (KEYOPT(4)=2) are always incorrect if there is any torsional contribution.

Typical GUI Path(s):

Main Menu>Preprocessor>Loads>Load Step Opts>Output Ctrls>  
Solu Printout

Main Menu>Solution>Load Step Opts>Output Ctrls>Solu Printout Main Menu>General  
Postproc>List Results>Element Solution

Other Comments:

First Incorrect Version:

Release 7.0

Corrected In:

Release 12.0

Suggested User Action For Running on Uncorrected Version:

Use caution when inspecting the torsional shear stress output. Avoid using the combined shear stress output option (KEYOPT(4)=2) when both torsional and flexural shear stresses are present.

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