

ANSYS Class3 Error Report

ERROR NO:

2012-24

Keywords:

MPC184

SWLIST

Description of Error:

If the two nodes of an MPC184 rigid beam element using the Lagrange Multiplier method (KEYOPT(1)=1, KEYOPT(2)=1) are coincident, the output of beam forces and moments is incorrect. This error also affects the output of results of a spot weld analysis involving MPC184 rigid beams with coincident nodes. The erroneous output is observed when the SWLIST command is issued during post-processing of results.

Typical GUI Path(s):**Other Comments:**

The order in which the beam forces and moments is reported for MPC184 rigid beam elements with coincident nodes is incorrect. This is an output error only for MPC184 rigid beam elements (and spot welds with rigid beam which uses the MPC184 rigid beam elements). The rest of the results in an analysis involving MPC184 rigid beam elements with coincident nodes will not be affected by this output error.

First Incorrect Version:

Release 7.0

Corrected In:

Release 14.5

Suggested User Action For Running on Uncorrected Version:

Consider modifying the input so that the nodes are not coincident.

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