

ANSYS Class3 Error Report**ERROR NO:**

2012-15

Keywords:

SURF156 LARGE DEFLECTIONS KEYOPT(4)=0 MISSING MIDSIDE NODE

Description of Error:

For SURF156, the 3-D Structural Surface Line Load Effect Element, the applied loads are incorrect if:

- Large deflections are active (NLGEOM,ON),
- KEYOPT(4)=0 (has a midside node)

and

- The midside node is not input.

Typical GUI Path(s):

Main Menu>Preprocessor>Element Type>Add/Edit/Delete

Other Comments:

The program should correctly handle the case of a midside node not being supplied even when KEYOPT(4) is set to 0, implying that a midside node is being supplied.

First Incorrect Version:

Release 10.0

Corrected In:

Release 14.5

Suggested User Action For Running on Uncorrected Version:

Make sure that KEYOPT(4) is set to exactly match the presence or absence of midside nodes.

Author Signature:

Peter Kohnke 7/5/2012

Reviewed By QA:

Bill Bryan 7/12/2012

Approval:

Dave Conover 7/5/2012