

ANSYS Class3 Error Report**ERROR NO:**

2014-16

Keywords:

ELBOW290 SMISC SFy SFz SHEAR FORCE OUTPUT

Description of Error:

For ELBOW290 (the 3-D 3-Node Elbow), the axial, hoop, radial, and in-plane shear components are properly used to compute the section shear forces, but both transverse shear stress components through the pipe wall are incorrectly omitted. This is only significant for thick-walled pipes.

These section shear forces are output as SMISC quantities SFy (sequence numbers 6 and 41) and SFz (sequence numbers 5 and 40).

Typical GUI Path(s):

Main Menu>General Postproc>Element Table>List Elem Table

Other Comments:**First Incorrect Version:**

Release 12.0

Corrected In:

Release 16.0

Suggested User Action For Running on Uncorrected Version:

Author Signature:

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Reviewed By QA:

Bill Bryan 9/2/2014

Approval:

Dave Conover 8/27/2014