

ANSYS Class3 Error Report**ERROR NO:**

2013-05

Keywords:

MAGNETICS SOLID117 ORTHOTROPIC NONLINEAR B-H CURVE

Description of Error:

When a nonlinear B-H curve (TB,BH) and relative magnetic permeability (MP,MURX, also MURY or MURZ) are specified for the same material, SOLID117 (the 3-D 20-Node Magnetic Solid) uses the B-H curve in all directions (X,Y and Z) instead of using it only in those directions for which the relative magnetic permeability is unspecified or set to zero.

Typical GUI Path(s):

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

Other Comments:

SOLID117 is no longer documented.

First Incorrect Version:

Release 9.0

Corrected In:

Release 15.0

Suggested User Action For Running on Uncorrected Version:

Use SOLID236 (the 3-D 20-Node Electromagnetic Solid) element type.

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