

ANSYS Class3 Error Report

ERROR NO:

2013-09

Keywords:

DISTRIBUTED ANSYS RESTART TABULAR LOADS

Description of Error:

The solution may be incorrect when using Distributed ANSYS (i.e., distributed memory parallel) under the following conditions:

1.) The simulation is restarted using ANTYPE,,RESTART,,,ENDSTEP or ANTYPE,,RESTART,,,PERTURB

and

2.) tabular boundary conditions are applied with the boundary conditions varying as a function of time.

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

Distributed ANSYS is not the default and must be chosen by adding the -dis argument on the command line, or by choosing the High Performance Computing Setup tab in the Mechanical APDL product launcher and selecting the "Use Distributed Computing" option.

First Incorrect Version:

Release 11.0

Corrected In:

Release 15.0

Suggested User Action For Running on Uncorrected Version:

Due to the current design of restarts within Distributed ANSYS, users cannot switch between shared and distributed memory parallel around the point of the restart. In other words, to bypass this error, users cannot use distributed memory parallel up to the point of the restart, and then switch to shared memory parallel to perform the restart. To avoid this issue, users must rerun the base analysis up to the point of the restart using shared memory parallel instead of distributed memory parallel, and then continue using shared memory parallel to perform the restart.

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