

Intermediate results for Nonlinear static analysis

Product: OptiStruct
Product Version: 14.0 or above

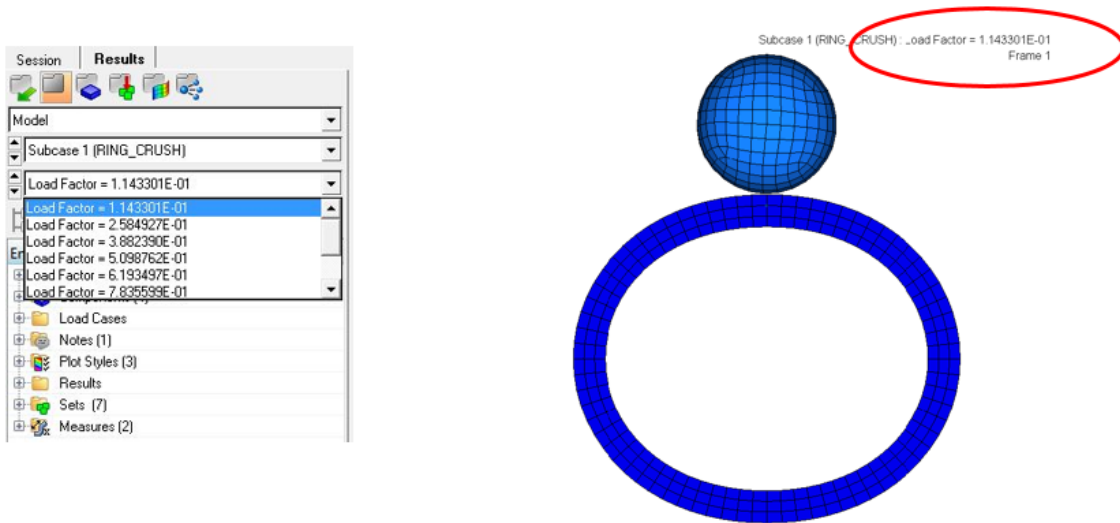
Topic Objective

NLOUT – Controls the incremental result output for Small Displacement Nonlinear Analysis and Large Displacement Analysis

Topic Details

The NLOUT bulk data entry defines incremental result output parameters for small displacement nonlinear analysis and large displacement analysis.

The results available for each load increment
 New bulk and subcase information entry, NLOUT
 Output interval “delta” is determined by NINT option on NLOUT
 i.e. NLOUT,id,NINT,5 □ $\Delta = 1/NINT$ (0.2,0.4,0.6,0.8,1.0)



Users could define the card using bulk unsupported cards or editing the deck.



When a job fails due to non-convergence, NLOUT should write out results of last converged increment. If your run cannot complete even one increment or if you would still like the result from the non-converged increment, you have to specify SVNONCNV, YES in NLOUT card (not applicable for LGDISP though).