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ROI Engineering Inc.

ANSYS Classic Basic Structural Nonlinearities **2 Days**

Recommended for engineers who analyze structural nonlinear phenomena such as large deflection, plasticity or contact, this two-day course will aid in modeling geometric, material and contact nonlinearities, and in obtaining converged solutions with accurate results.

After completion, mechanical analysts should have a basic understanding of how to analyze structures with geometric nonlinearities, implement large strain theory in a nonlinear analysis and analyze structures with plasticity and contact nonlinearities.

Prerequisite: Introduction to ANSYS, Part I

Course Topics Include:

- Nonlinearities Overview
- Obtaining the Solution
- Postprocessing
- Basic Geometric Nonlinearities
- Basic Plasticity
- Introduction to Contact

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Engineering for a Return On Investment

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Each course chapter is followed by "hands-on" workshops and exercises.

