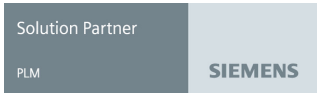




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Training Course Details

Title: NX Nastran Linear Static and Normal Modes Analysis

Course Objectives: The NX Nastran Linear Statics and Normal Modes Analysis course introduces the new NX Nastran user to the basic ASCII input requirements for linear static and normal modes analysis of structures. Many important features of NX Nastran are illustrated with numerous example problems. NX Nastran data structure and element library, modeling practices, model debugging and guidelines for efficient solutions are discussed. This course is focused heavily on the setup and solution of analyses. Linear Statics and Normal Modes analysis are covered. Delivery is performed in the context of NX Nastran input and output and not in the context of commercially available pre- and postprocessors.

Who Should Attend? New users of NX Nastran

Agenda overview: Finite element overview
Nastran input file text formatting practices and standards
Finite element modeling guidelines
Beam, shell, and solid element definitions
Multi point constraint and rigid element definitions
Loading and constraint definitions
Model verification and debugging
Linear static analysis
Normal modes analysis
Linear buckling analysis

Duration: 4 days

Software Version NX Nastran 7.0

Prerequisites: A basic knowledge of statics and strength of materials is highly recommended.

Deliverables: Student guide
Activity material
Course certificate

Optional activities: NX Nastran Dynamic Analysis