



FEMAP

Femap, from Siemens PLM Software, delivers just that – affordable, high performance finite element analysis (FEA) modelling for the engineering desktop. Femap is recognized as the world's leading CAD-independent Windows-native pre- and post-processor for advanced engineering FEA.

Simcenter Femap works with a wide variety of finite element analysis solvers, including industry-leading NX™ Nastran® software.

Features:

- ▶ Clearer model entity visualization and selection.
- ▶ Streamlined workflows and re-use of previous data definitions.
- ▶ Improved robustness for analysis application support.
- ▶ Updates to UI and preprocessing operations.
- ▶ Meshing enhancements including sweep and pyramid mesh transitions.
- ▶ Extended support for nonlinear analysis solutions.
- ▶ Enhanced results review options for partial results vectors.



NX-CAD/CAM/CAE

NX is a next-generation digital product development system that helps companies transform the product lifecycle with the industry's broadest suite of integrated, fully associative CAD/CAM/CAE applications.

NX is designed to give an entry level user a high-level overview of NX modeling, Assembly and drafting topics. This one class, through professional instruction related to product design, assembly modeling, and master model concepts, allows the student to transfer classroom instruction to job productivity.

Features:

- ▶ Ensure accuracy of drawings and compliance with standards.
- ▶ Increase productivity and quality with 3D annotation.
- ▶ Automate processes and extend capabilities with programming and customization.
- ▶ Shorten design-analysis iterations .
- ▶ Improve team productivity through capture and re-use of CAE best practices.
- ▶ Quick, intuitive direct geometry editing using synchronous technology.
- ▶ Comprehensive automatic and manual meshing for 0D, 1D, 2D and 3D elements.