

Femap Student Edition

computer-aided engineering (CAE) simulation solution that is widely used in industry, and will prepare you to enter the workforce and stand out in today's highly competitive economy.

Leading-edge CAE technology for students

Benefits

- Free license of Femap with NX Nastran software, the same advanced simulation solution used in industry
- Early job market penetration by learning industry-leading simulation and analysis technology

Summary

Engineering is an exciting, challenging and rewarding discipline that offers a diverse range of careers. Engineering simulation is playing an increasingly important role at universities. The use of simulation in industry is growing, driven by the need to improve designs, shorten design cycles and reduce costs. The Femap™ Student Edition software includes Femap – an advanced engineering software simulation pre- and postprocessor for finite element (FE) model creation and results review, coupled with the industry-standard NX™ Nastran® solver. Together these software programs provide a complete

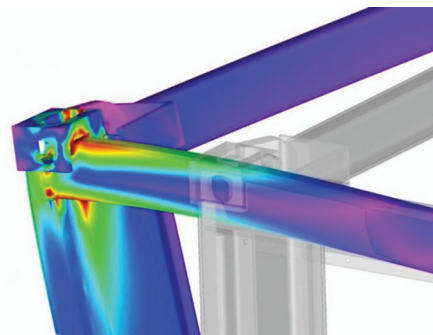
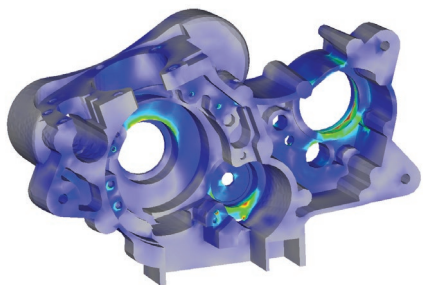
Features

Femap Student Edition comes with the pre- and postprocessor Femap, along with the NX Nastran solver, both a part of Siemens Digital Industries Software's Simcenter™ portfolio of simulation solutions. Generally the simulation process starts with a geometric model, and within Femap you'll be able to:

- Access CAD data from almost any source
- Clean up and idealize the geometry prior to meshing
- Mesh the geometry to create the finite element model
- Apply boundary conditions (loads and constraints) and manage analysis setup
- Submit the model for analysis by NX Nastran
- Review the calculated results data and evaluate the model behavior

What is included

The Femap student edition is free to all students enrolled in formal education and includes the same comprehensive FE modeling and analysis technology used by engineers and analysts in industry around the world. Femap Student Edition includes the mesh-centric finite element pre- and postprocessor in addition to the industry-leading NX Nastran solver. Also included is the



“There are a lot of features about Femap that really stand out. It enables you to import and integrate geometry seamlessly, and it has a lot of tools for postprocessing.”

Tyler Peterson
Team Chief Engineer
Rochester Institute of Technology

Femap Student Edition

NX Nastran Dynamic Response add-on module for transient and frequency response analysis. Together, Femap with NX Nastran deliver a comprehensive solution that can solve complex engineering problems.

Delivering value to students

Licensing

Femap Student Edition is available at no cost to any active student attending any academic institution such as accredited universities, technical colleges, trade and secondary schools.

The Femap Student Edition is intended for academic course work. Files created in the Student Edition cannot be opened in commercial versions of Femap and structural model sizes are limited to 32,000 nodes.

Supporting students

Siemens understands the challenges faced by students and the importance of using the latest industry-leading technology. With the Femap Student Edition, Siemens is investing in the next generation of product engineers and

analysts and helping create the future workforce for our partners and customers.

Training and support

Femap includes on-line step-by-step help tutorials that cover many aspects of finite element modeling and analysis types. Support is provided via a dedicated online forum.

Minimum system requirements

- Windows 7 64-bit or Windows 8.x or Windows 8.x Pro 64-bit or Windows 10.x 64-bit
- 64-bit (x64) processor

- 4 GB RAM or more
- Video adapter supporting True Color (32 bit) or 16 million colors (24 bit), Open GL1.1 or higher, and 512 MB of dedicated VRAM
- Screen resolution: 1280 x 1024 or higher
- Free disk space for Femap installation (including documentation and license server): 4.1 GB for Femap with NX Nastran
- Free continuous disk space for Femap model files, Femap and NX Nastran scratch files: 10 GB

“Femap is easy to use even for those who have never used a CAE tool. This is much appreciated by new users, including students who join us for two- to three-month periods. They can focus on engineering issues, rather than on learning how to use the software, and are amazed at the power and versatility of Femap, compared to other tools they use at university.”

*Guglielmo Barbiani
Co-founder
Noesim*



Siemens Digital Industries Software
www.sw.siemens.com

Americas +1 314 264 8499
Europe +44 (0) 1276 413200
Asia-Pacific +852 2230 3333

© 2018 Siemens. A list of relevant Siemens trademarks can be found [here](#). Nastran is a registered trademark of the National Aeronautics and Space Administration. Other trademarks belong to their respective owners.