Imported Result : motion-solution_2-bracket-sim-front_shock_mount-flex_body_solution
Load Case 1, Increment 72, Time = 3.550e-001 s
Stress - Elemental, Averaged, Von-Mises
Min : 1.63E+002, Max : 1.13E+005, Units = lbf/in^2(psi)
Deformation : Displacement - Nodal Magnitude

2.00E+004
1.80E+004
1.60E+004
1.40E+004
1.20E+004
1.00E+004
8.00E+003
6.00E+003
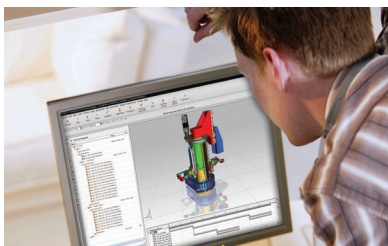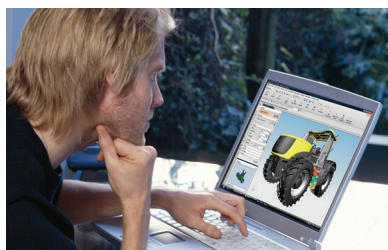4.00E+003
2.00E+003

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NX Academic Edition

Learning mechanical engineering using industry-leading software

Hands-on experience with NX™ software from Siemens PLM Software is the perfect way to bring the industry's most complete product development environment into the educational process. NX provides high-performance, integrated solutions for design, simulation and manufacturing including all the core design, simulation and manufacturing functionality your engineering curriculum demands – using the same methods and capabilities employed by engineering professionals all over the world.

What is included
NX helps educators focus on teaching the principles of design and engineering, supported by easy-to-learn and use CAD/CAM/CAE technology. In today's competitive job market, learning to use NX will give your students career advantages as they learn part, sheet metal and assembly design in the context of the product development process.

Your students will model products in 3D and learn industry standards for presenting views, dimensions and annotations. NX provides engineering analysis training with simulation tools that enables students to investigate more design options and arrive at better answers to product development challenges. They will also learn machine tool programming to gain insight into how products are manufactured – all using a single integrated software solution.

Student benefits
Licensing
NX can include loan licenses for students to use at home for completing assignments and continued learning.

Marketable skills
Students will be better prepared to enter the job market knowing not just software skills, but having insight into the entire product development process.

Student design contest
Institutions and students can submit designs created in NX and achieve special recognition.

NX Academic Edition
Your students will be able to develop engineering skills while using advanced technologies including:

Design
- Sophisticated freeform shape modeling, surface continuity, analysis and visualization tools
- Comprehensive 3D design ability including wire-frame, surface, solid and synchronous modeling
- Create rendered images with breakthrough quality and accuracy
- Knowledge capture and automation tools

Simulation
- Linear and nonlinear structural analysis
- Durability/fatigue analysis
- Thermal and flow analysis
- Motion analysis

Manufacturing
- 2 1/2-, 3- and 5-axis milling
- Turning
- Wire EDM
- Feature-based machining
- NC simulation

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NX Academic Edition

Added value for our academic partners

Siemens PLM Software's goal is to establish a long-term relationship with our academic partners. This Academic Edition comes with the same level of support and updates that our commercial customers receive. Plus, academic institutions will be supported by:
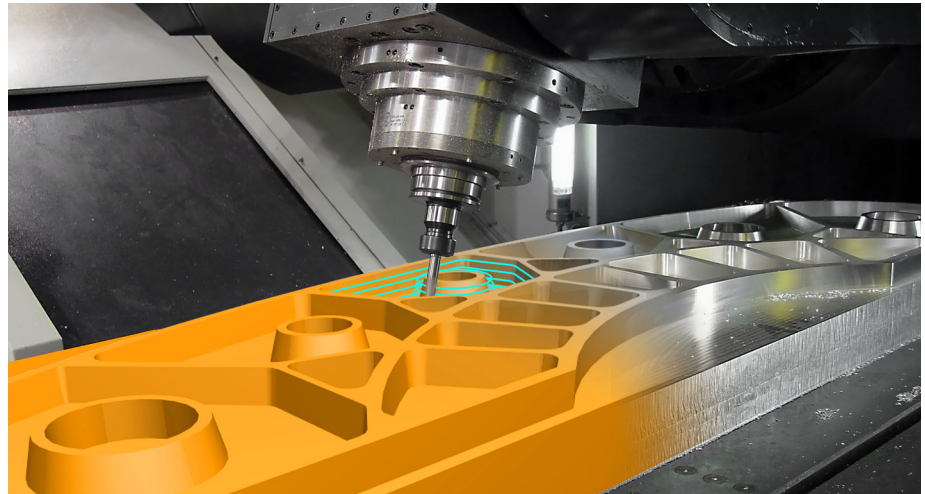
- Instructor material via an extensive list of tutorials provided online at http://www.plm.automation.siemens. com/en_us/about_us/goplm/arc/nx-academic/index.shtml
- Access an online library with more than 1,000 courses for less than the cost of one textbook
- Strategic partnerships and competitions through the support of such programs as EcoCAR; Siemens PLM Software brings together corporate support for students and the community
- User groups and academic special interest groups supported and hosted by Siemens PLM Software
- Partner programs with third-party analysis and manufacturing tools that are integrated with NX

Who it is for

NX Academic Edition is available to accredited academic institutions such as universities, technical colleges, trade schools and high schools. The software is intended for classroom training and research projects only. Academic institutions are licensed to install NX on as many computers as needed.

Extending value

In the event your institution can't yet adopt the NX Academic Edition, Siemens PLM Software also offers the NX Learning Edition which delivers a single user version of NX.

System requirements

Operating system: Microsoft Windows platform only
Memory: 2GB
Languages: English, Russian, Chinese, Japanese, Spanish, French and German are included.
Size: 2.46GB for the application, 1.1GB for the documentation and training.

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