



Press Release

New Release of NEi[®] Nastran V9.2 Finite Element Analysis Software Focuses on Productivity and Realism in Engineering Simulation

Westminster, CA. March 17, 2009. NEi Software (NEi), a leading developer of [Nastran engineering analysis and simulation software](#), announced the availability of NEi Nastran V9.2, a major upgrade to its FEA solver for high end [Finite Element Analysis](#) (FEA). The new NEi Nastran version incorporates over 85 customer driven enhancements. The following is a list of key additions: nonlinear composite Progressive Ply Failure Analysis (PPFA[™]), concrete material model, direct enforced motion, bolt preload, enhanced rigid element features, visualization support for various entities, automatic dynamic plots during nonlinear analysis, transparent max/min, and a new look and feel for its industry unique Editor. A complete detailed description of all the new capabilities in NEi Nastran V9.2 can be downloaded at www.nenastran.com/AnnouncingV92.pdf.

Technology Differentiators

The new technology in NEi Nastran V9.2 is of particular interest to engineers who are looking for more realistic simulations, and want to cut man-hours from analyses that typically are very time consuming and tedious. Technology differentiators in NEi Nastran include:

- [Automated Impact Analysis](#) (AIA[™]) for transient impact studies
- [Automated Surface Contact Generation](#) (ASCG[™]) for easier and more realistic simulation involving assemblies
- [Automated Edge Contact Generation](#) (AECG[™]) for increasing productivity on shell type structures typically found in aircraft, ships, and automobiles
- [Linear Surface Contact](#) for performing true surface-to-surface contact analysis in a linear static solution
- [Composite Tools](#) like [Progressive Ply Failure Analysis](#) (PPFA[™]) and 3D Composite Solid Element
- Vibration Fatigue Analysis
- [64-Bit Large Model Capability](#)
- Industry specific tools for aerospace and maritime users

Go to www.NEiNastran.com/PressReleaseImage for downloadable images for this release.

About NEi Software (NEi)

NEi Software is a world leader in engineering analysis, simulation, and virtual test software. The core product NEi Nastran is a powerful, industry-proven Finite Element Analysis (FEA) solver that works with a wide portfolio of pre and post processors

including [Femap®](#) by Siemens PLM Software, in-house brands NEi Fusion™ and NEi Works™ for SolidWorks®, and all major industry brands. The website features case studies of applications in aerospace, automotive, maritime, petroleum, military, medical, composites, and consumer products, as well as demonstration videos, webinars, White Papers, tutorials, and training classes.

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