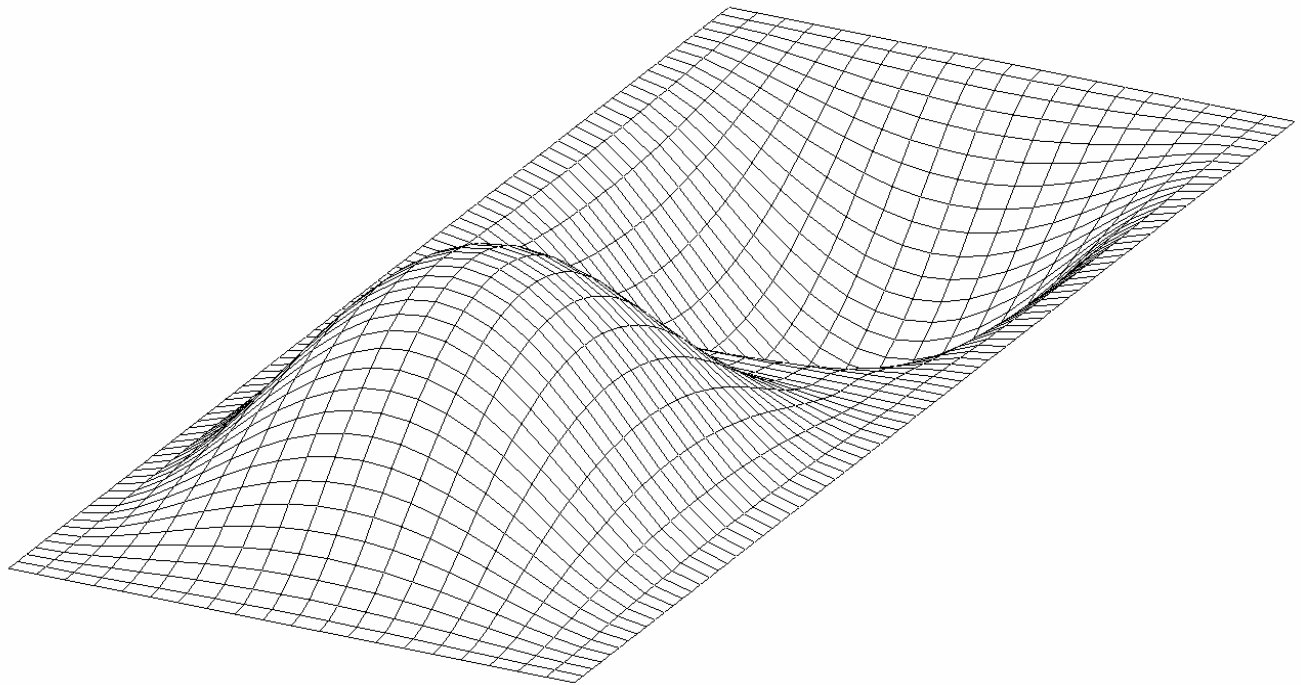


NEiNastran Modeler Version 9.1

New Features and Enhancements



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NEiNastran Modeler New Features and Enhancements

The NEiNastran V9.1 Modeler (FEMAP V9.1) enhancements include a flexible, streamlined Windows user interface based on the latest Microsoft® technology, significant increases in finite element modeling performance, and continued and strengthened integration with the world's leading analysis engines and CAD packages including as CATIA, Pro/Engineer, AutoDesk, SolidWorks and Solid Edge. NEiNastran V9.1 Modeler is the product of many customer driven enhancements, which includes powerful customization and automation tools.

Modeler V9.1 Major Enhancements

Interface with Solid Edge V18: NEiNastran Modeler now has a fully associative interface with Solid Edge V18 for effective geometry transfer in preparation for analysis, maintaining data integrity between design and analysis.

New direct CATIA V5 translator: A new direct CATIA V5 translator enhances geometry transfer for CATIA users; this new additional module strengthens the CAD integration capabilities in NEiNastran Modeler, which already include CATIA V4, Pro/Engineer, SolidWorks, any Parasolid or ACIS geometry as well as STEP and IGES.

Fully integrated BASIC development environment: The NEiNastran Modeler includes a fully integrated BASIC development environment, providing direct access to the OLE/COM API of Femap, as well as any other OLE/COM-compliant application.

Updated macro functionality: An updated macro-driven program file environment with its own access window provides record, editing, playback functionality for the automation of repetitive tasks.

New quadrilateral element: A new quadrilateral element meshing options was introduced to improve mesh quality around critical boundaries and stress raisers.

Spot weld element: NEiNastran Modeler now has support for spot weld elements, to aid modeling of sheet metal component fasteners.

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NEiNastran *for Windows*

From Noran Engineering, Inc.