

SOFTWARE newsletter

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Siemens for Startups: Software Collections for Early-Stage Engineering Teams

DETAILS INSIDE

ATA | Suite Software Update: IMAT and IMAT4XL v9.2.0

ATA Engineering is pleased to announce the release of IMAT v9.2.0 and IMAT4XL v9.2.0, featuring expanded MATLAB compatibility, enhanced visualization, improved file support, and bug fixes.

IMAT v9.2.0 supports MATLAB R2025a through R2026b and includes ATAViewer enhancements such as dark-mode support, persistent preferences, and improved stress-result visualization. The release also adds support for Siemens Testlab LDSF files and addresses several bugs and performance issues.

IMAT4XL v9.2.0 features an updated interface using MATLAB-native tables, and other ATA software components receive additional usability and visualization improvements.

Download the latest release from [ATA IMAT Downloads](#).

For questions, support, or to report issues, please contact imat@ata-e.com.

If you encounter a potential bug, check your installed version by typing `ver` or `imat_ver` in MATLAB and upgrade to the latest release before reporting the issue.

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Siemens Software for Startups

Siemens offers eligible early-stage hardware startup companies access to its design, engineering, and simulation software tools at a reduced cost.

Program Benefits

- Discounts up to 95% for the first two years on a one-year software-as-a-service (SaaS) license.
- Up to 75% off additional Siemens software products as your needs evolve.

Choose the Right Software Collection

The program is organized into three software collections. All three include 100 tokens of Designcenter X cloud CAD, one Teamcenter X Essentials author seat, and one Xcelerator Academy online learning membership. The primary difference between the collections is the level of simulation capability included:

- **Design Collection:** The core package for teams focused on CAD, data management, and training.
- **Engineering Collection:** Adds Simcenter X Advanced with 50 tokens for structural, thermal, and fluid analysis, plus a Simcenter SIMSOLID Advanced named-user license for fast structural analysis on CAD assemblies without meshing.
- **Simulation Collection:** Designed for teams that need full-scale simulation capabilities from early concept through system definition. Includes Simcenter X Advanced (500 tokens) and a Simcenter X starter pack with (1000 credits) for on-demand structural, computational fluid dynamics (CFD), and thermal analysis.

How Can ATA Help?

As a Siemens value-added reseller (VAR), ATA has worked with a number of startup teams through this program, helping to compare software collections, prepare their applications, and get started with training and technical support.

If you're curious whether this program is a fit for your team, contact ATA at plm_sales@ata-e.com.

Calendar of Events

UPCOMING TRAINING CLASSES

ATA provides comprehensive training in the use of Femap, Simcenter 3D (formerly NX CAE), and Simcenter Nastran (formerly NX Nastran). Upcoming training classes are shown below. Please visit [our website](#) to sign up for these classes or request a custom class.

FEMAP

TBD Introduction to Femap

SIMCENTER NASTRAN WITH FEMAP

NOV 02 [Introduction to Finite Element Analysis with Femap for Pre/Post](#)

TBD Introduction to Dynamic Analysis with Femap for Pre/Post

TBD Advanced Dynamic Analysis with Femap for Pre/Post

SIMCENTER NASTRAN WITH SIMCENTER 3D

NOV 02 [Introduction to Finite Element Analysis with Simcenter 3D for Pre/Post](#)

TBD Introduction to Dynamic Analysis with Simcenter 3D for Pre/Post

TBD Advanced Dynamic Analysis with Simcenter 3D for Pre/Post

TBD Response Dynamics

UPCOMING WEBINARS

Registration details are coming soon. Visit our [events page](#) for the latest information.

Upcoming webinar product topics will include the following:

TBD Femap

TBD STAR-CCM+

TBD Simcenter 3D

ATA also provides a host of [free training resources](#) including tutorials, videos, and whitepapers.

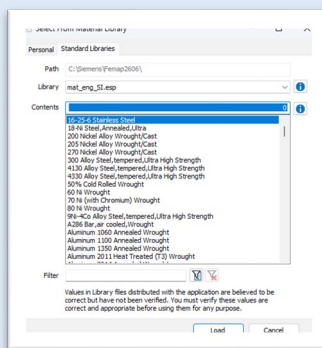
Tips and Tricks

FEMAP: CHANGE THE UNIT SYSTEM FOR MATERIAL LIBRARY

Did you know you can change the default unit system used by Femap's material library? Femap's material library defaults to units of in-sec-lbf. To use a different unit system, go to:

Preferences → Library/Startup

From there, point Femap to the appropriate **.esp material library file** for your desired unit system. You can also select a different library on the fly when loading a material by clicking **Choose Library**. Remember to check your **View Scale Factor** as well so your model displays correctly.



VIBRATA: EXTENDING MEMORY AVAILABILITY

Working with large stress contours in Vibrata can sometimes lead to out-of-memory errors. Before breaking your contour groups into smaller batches, take a look at the frequency or time range you're requesting: do you really need every frequency or time value? Reducing unnecessary points can significantly lower memory usage and may allow the calculation to run without partitioning the results.

New Resources

[On-Demand Webinar: Making the Move to the New NX Sketcher](#)

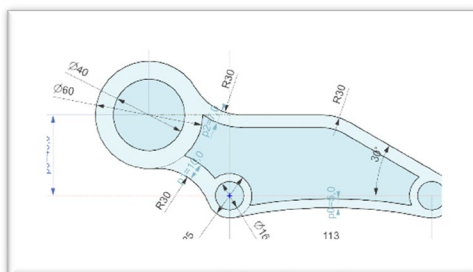
Ready to explore the new NX Sketcher? In this on-demand webinar, ATA Engineering and Siemens Digital Industries Software walk through the latest enhancements in NX 2606, including persistent relations, improved constraint management, and more predictable sketch updates. Learn how the new Sketcher compares with legacy Sketch and discover tools to make your sketching workflow more efficient.

[On-Demand Webinar: Navigating STAR-CCM+ Licensing](#)

Choosing the right licensing model for Simcenter STAR-CCM+ as simulation needs evolve can be challenging. In this webinar, ATA Engineering provides an overview of current STAR-CCM+ licensing and deployment options, including on-premises and cloud-based solutions, Power-On-Demand, Cloud HPC, Virtual Desktops, and Simcenter X Advanced. The session also covers add-on options such as Intelligent Design Explorer to help organizations align their licensing strategy with their CFD and simulation requirements.

[On-Demand Webinar: Scaling STAR-CCM+ to the Cloud with Secure HPC Access](#)

As CFD simulations become more complex, cloud and high-performance computing (HPC) resources can provide the scalability needed for demanding engineering workloads. In this webinar, ATA Engineering and Corvid HPC explore approaches for deploying Simcenter STAR-CCM+ in the cloud, scaling HPC resources, and addressing security considerations for large-scale simulations.





Why choose ATA?

ATA Engineering is a nationwide provider of innovative, high-value, analysis- and test-driven mechanical engineering design solutions.

With nearly five decades of experience working with our customers to solve the most challenging design, test, and analysis problems, we have gained a reputation for excellence in the engineering community.

Our work on a wide range of products across a broad spread of industries has been recognized with numerous technical and service awards for excellence. This expertise and support are a key part of the added value we offer to all customers who purchase Siemens products from us, whether you are an independent contractor or a large engineering team. To provide best-in-class support to our VAR software customers, we have established a formal hotline system that provides on-demand support to resolve technical issues encountered by our customers in their implementation of the tools.

The hotline is staffed by experienced engineers, all of whom use these applications on a regular basis. ATA is also the Siemens preferred training provider and official developer of courseware for all Simcenter Nastran training.

ATA Technical Support

Need technical assistance? Call our hotline staffed by engineers at **877-282-4223**, or [visit us online](#). Even if you're not a current ATA customer, try us out for free.

Free Software Trials

[Contact us](#) for more information about free trials/demos of Femap and Simcenter Nastran, Designcenter (formerly NX CAD and Solid Edge), NX CAM, Simcenter 3D, Simcenter STAR-CCM+, Teamcenter, and Altair products such as Hypermesh and Optistruct.



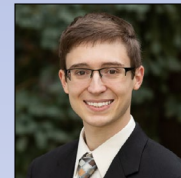
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Featured Instructor

Eric Gordon



Eric Gordon is a project engineer with ATA Engineering. His expertise is in strength analysis, where he focuses on solving large, detailed finite element models for static and dynamic loads. He is also experienced with bolted joints, fatigue of metallic structures, contact, and buckling. Eric's most commonly used tools include Simcenter 3D, Femap, Simcenter Nastran, MATLAB, and Vibrata. Along with project work, he assists with ATA's CAE technical support hotline.

Eric has worked on projects in many industries, but his career has mostly focused on aerospace applications, including launch vehicles, satellites, crewed space vehicles, and rovers. Examples of Eric's project contributions include the creation of finite element assemblies of complex robotic arms that he analyzed for random vibration loads to simulate liftoff. He also enjoys creating tools to streamline processes for ATA and its customers, such as his NASA-STD-5020 fastener analysis tool.

Eric earned his Bachelor of Science degree in Aerospace Engineering from Georgia Tech.



ATA Engineering, Inc., is recognized as an Expert Partner with validated expertise in Femap, Simcenter 3D, and STAR-CCM+.