

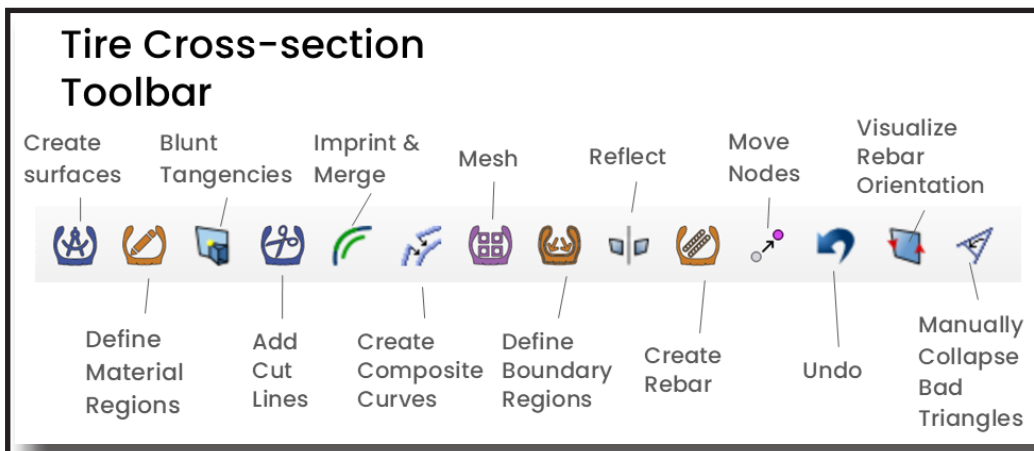
FOR TIRE WORKFLOWS

PROVEN

MESHING TOOLS



Preparing CAD geometry for meshing consumes more time and resources than any other stage of the simulation process. Coreform Cubit provides powerful, user-guided automated tools to make geometry cleanup and simplification fast and satisfying.



Ask us for a trial license today!

- **World-class meshing**
 - Coreform Cubit is a mesher. Period.
 - This dedicated tool gives you maximum control to create the best hex and tet meshes you've ever made for FEA.
- **Auto-heal dirty CAD**
 - Geometry analysis and repair tools to fix geometric and topological errors from imported CAD by trimming, stitching, and rebuilding.
- **Imprint and merge**
 - Unique interactive tools to enable efficient and robust conformal meshing of multi-volume assemblies.
- **Smart defeaturing**
 - User-guided, automated routines for detecting and simplifying errant CAD such as sliver curves and surfaces.
- **Fully integrated Python scripting**
 - all Coreform Cubit commands can be reproduced via Python scripting.
 - can also be imported as a module into your existing Python-based workflows for automation and machine learning.
- **LLM agent control**
 - A new command-line interface lets agents such as Claude Code launch and operate Coreform Cubit directly, running commands through the Python API and iterating on preprocessing workflows.

Endurica is an
authorized distributor
of Coreform products



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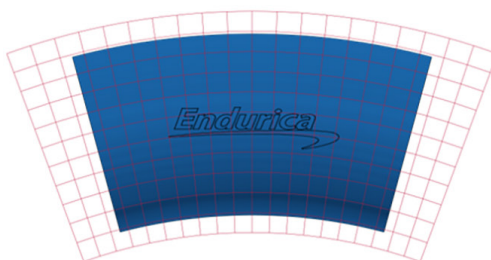


For 50 years, FEA has started the same way: simplify the CAD, lose accuracy, mesh it, and hope the simplifications didn't matter. Coreform IGA for Abaqus fixes that: still FEA, no meshing. Nonlinear analysis on as-designed CAD, inside the Abaqus/CAE you already use.

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CAD Model
— fully feature CAD as designed.



IGA Prep and Simulation Model
— Drop in a smooth spline grid.
Trim to create volumetric CAD model.



Simulation Results
— Run Abaqus on the volumetric CAD.

WHERE DID MY MESH GO?

- Coreform IGA replaces meshing with automated, CAD-exact model building based on isogeometric analysis. Everything else is your existing Abaqus workflow.

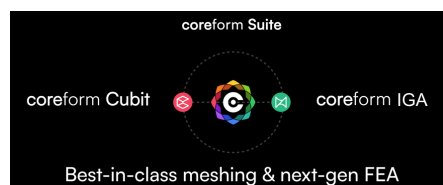
THE ENDURICA DIFFERENCE

Ask us for a demo today!

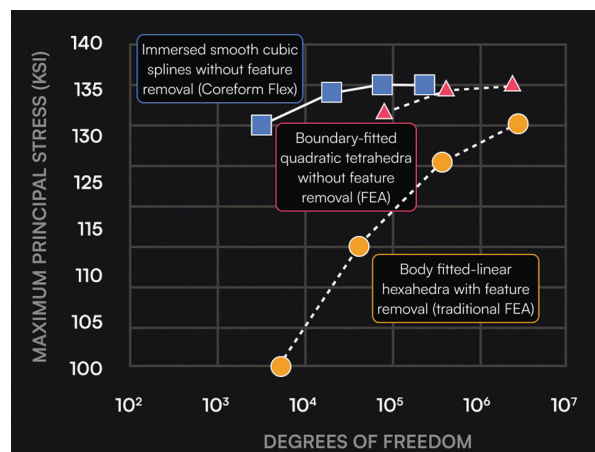
Call **+1 419.957.0543** or **+352 691 398 233**

or email info@endurica.com

Scan for more info:



Coreform IGA's smooth cubic spline representation produces very favorable convergence behavior relative to traditional body-fitted hex or tet meshes.



Endurica

Get Durability Right®

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