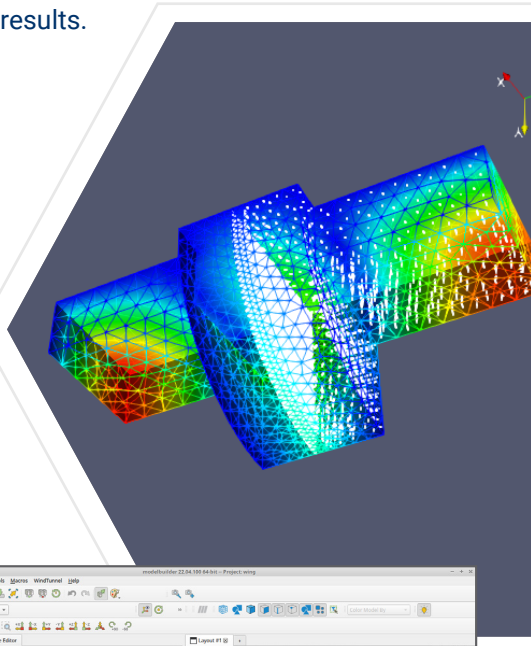
CMB is free; try it out!

Master the Full Simulation Life Cycle

Without Becoming a Computational Expert

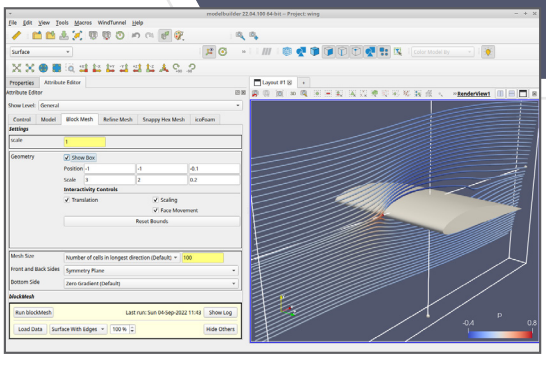
Computational Model Builder (CMB) is an open source framework and application for specifying simulation information, such as model and mesh geometry, materials, initial and boundary conditions, and analyses to run. It provides extensible user interface elements to orchestrate workflow tasks such as input file generation, modeling, meshing, and HPC job submission.

CMB's advanced information modeling system can capture constraints and simplify what's presented to users based on their choices, preventing mistakes that can waste time and money. Built on top of ParaView, a world class scientific visualization framework that supports desktop, cloud, and HPC systems, it provides state of the art post-processing tools to help you better understand and communicate your results.



CMB users benefit from:

- **Rigorous validation of simulation information with a schema**
- **Automated UI generation for displaying/editing information**
- **Full Python support: workflows, scripting and extensibility**
- **Ability to generate simulation input decks**
- **Interfacing with your in-house workflow tools (e.g, CAD kernels; meshers; simulations)**
- **Can be applied to almost any scientific or engineering domain**
- **Cost-effective, yet cutting-edge features thanks to being open source**
- **Use laptops and desktops for simulation prep and run jobs locally or remotely**



Custom Simulation Workflows

Kitware provides professional support for CMB, including working with you to develop custom simulation workflows. We can also help integrate this application into your existing tools and workflows, and even provide training so you and your team can confidently use CMB.

To learn more about working with Kitware, contact us at kitware@kitware.com.

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