COMSOL MULTYPHYSICS PROGRAM & COMSOL MULTYPHYSICS CFD MODUL

Optimizing and Verifying Real-World Devices and Processes with Simulation

(https://www.comsol.com/comsol-multiphysics)

Engineers and scientists use the COMSOL Multiphysics® software to simulate designs, devices, and processes in all fields of engineering, manufacturing, and scientific research.

COMSOL Multiphysics® is a simulation platform that encompasses all of the steps in the modeling workflow — from defining geometries, material properties, and the physics that describe specific phenomena to solving and postprocessing models for producing accurate and trustworthy results.

To create models for use in specialized application areas or engineering fields, you can augment COMSOL Multiphysics® with any combination of add-on modules from the product suite. The interfacing products make it possible to also integrate simulation with other engineering and mathematical software used in product and process design. When you have developed a model, you can even convert it into a simulation app with a dedicated user interface, which can be designed for a very specific use by people beyond the R&D department.

- Optimize Devices and Processes for the Real World
- Modeling in Any Engineering Field
- Multiphysics Modeling for Accurate Results
- Follow a Consistent Modeling Workflow
- Geometry and CAD
- Physics-Based Modeling

- Equation-Based Modeling
- Meshing
- Studies and Optimization
- Solvers
- Visualization and Postprocessing
- Simulation Apps