

COMSOL Multiphysics

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<u>Developer(s)</u>	COMSOL Inc.
<u>Stable release</u>	5.5 / November 14, 2019; 2 months ago
<u>Operating system</u>	<u>Cross-platform</u>
<u>Type</u>	<u>Computer-aided engineering</u> , <u>Finite element analysis</u>
<u>License</u>	<u>Proprietary EULA</u>
<u>Website</u>	<u>www.comsol.com</u> COMSOL Inc.
<u>Type</u>	<u>Private company</u>
<u>Industry</u>	<u>Computer software</u>
<u>Founded</u>	<u>Stockholm, Sweden</u> (1986)
<u>Headquarters</u>	<u>Burlington</u>
<u>Key people</u>	Svante Littmarck, CEO COMSOL Group Farhad Saeidi, President COMSOL AB
<u>Products</u>	COMSOL Multiphysics, COMSOL Server, COMSOL Compiler
<u>Website</u>	<u>www.comsol.com</u>

COMSOL Multiphysics is a cross-platform [finite element](#) analysis, solver and [multiphysics simulation software](#). It allows conventional physics-based user interfaces and coupled systems of [partial differential equations](#) (PDEs). COMSOL provides an [IDE](#) and unified workflow for electrical, mechanical, fluid, acoustics and chemical applications.

Beside the classical problems that can be addressed with application modules, the core Multiphysics package can be used to solve [PDEs](#) in [weak form](#). An API for [Java](#) and LiveLink for [MATLAB](#) may be used to control the software externally. An App Builder can be used to develop independent custom domain-specific simulation applications. Users may use drag-and-drop tools (Form Editor) or programming (Method Editor). COMSOL Server is a distinct software for the management of COMSOL simulation applications in companies. Several modules are available for COMSOL, ^[1] categorized according to the applications areas Electrical, Mechanical, Fluid, Acoustic, Chemical, Multipurpose, and Interfacing.

The eponymous company COMSOL developing the software was founded in 1986 by Svante Littmarck and Farhad Saeidi in Stockholm, Sweden.^[2]

See also

- [Finite element method](#)
- [Multiphysics](#)
- [List of computer simulation software](#)