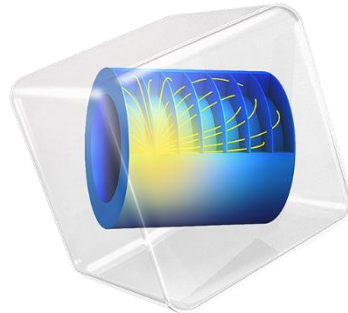


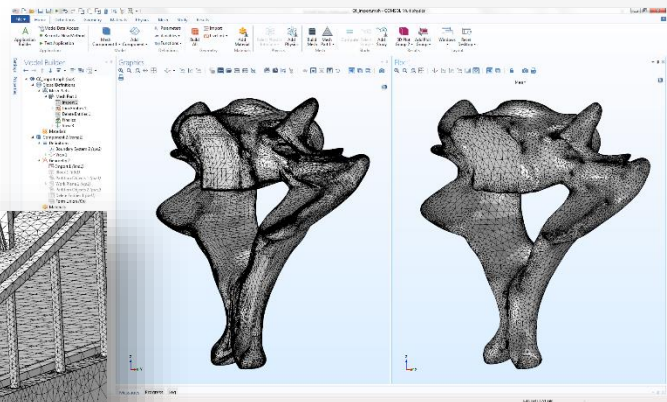
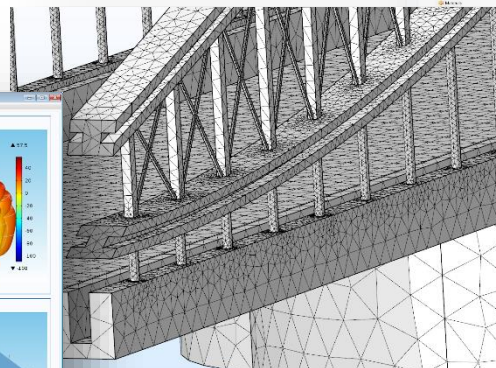
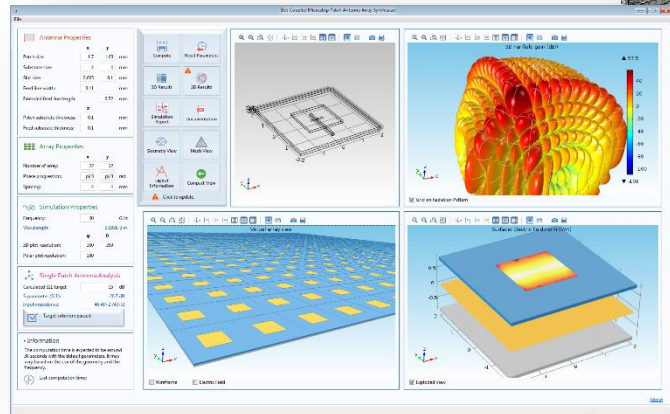
COMSOL Multiphysics®

Verze 5.2 novinky



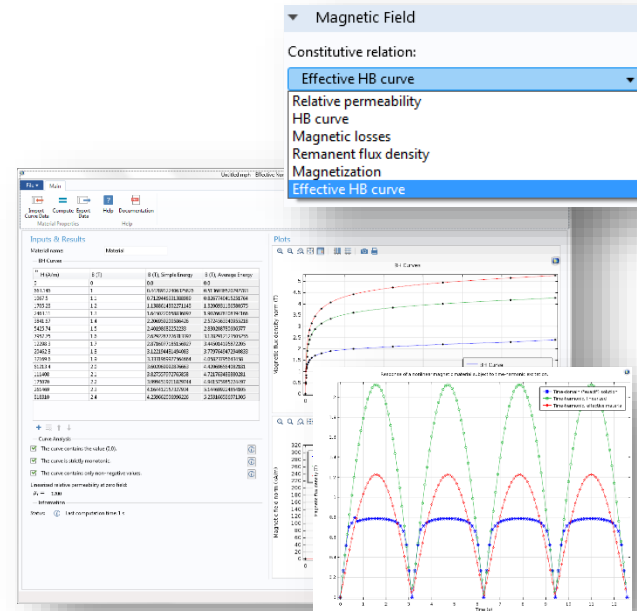
Verze 5.2 přehled

- Application Builder
- Síťování
- Vylepšená správa licencí
- Nové aplikace



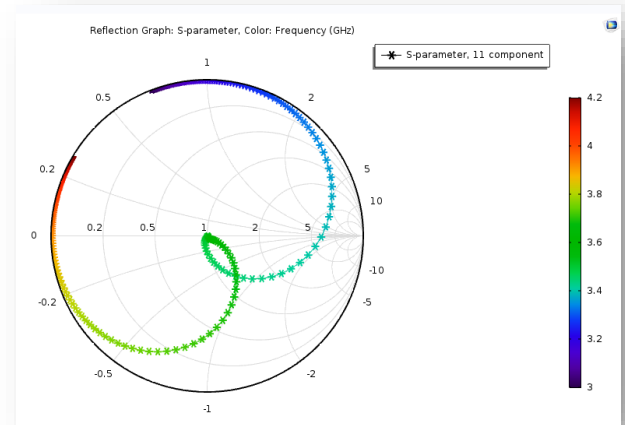
Nadstavbové moduly

- AC/DC: Nelineární BH/HB křivky pro frekvenční studie & uživatelem definovanou hysterezi
- RF: Smith graf
- Acoustics: Octave graf
- Heat Transfer: Rovina symetrie pro přestup tepla zářením
- Structural Mechanics: materiálové vlastnosti z externí knihovny & robustnější kontaktní analýza
- CFD: třífázové proudění & simulace volné hladiny



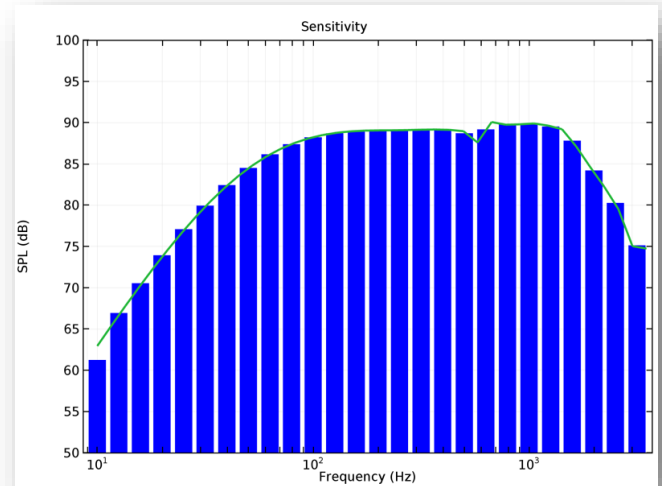
Nadstavbové moduly

- AC/DC: Nelineární BH/HB křivky pro frekvenční studie & uživatelem definovanou hysterezi
- RF: **Smith graf**
- Acoustics: Octave graf
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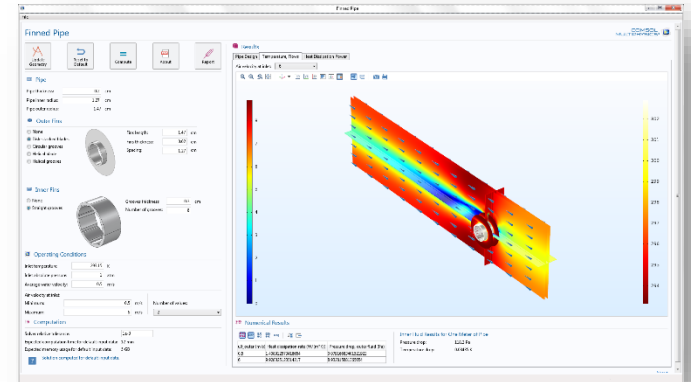
Nadstavbové moduly

- AC/DC: Nelineární BH/HB křivky pro frekvenční studie & uživatelem definovanou hysterezi
- RF: Smith graf
- **Acoustics: Octave graf**
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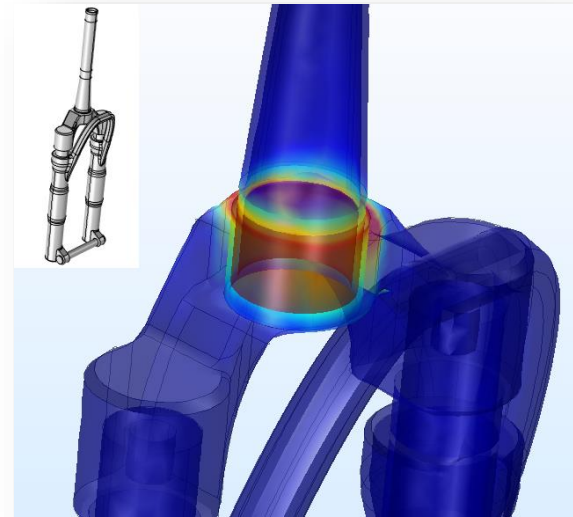
Nadstavbové moduly

- AC/DC: Nelineární BH/HB křivky pro frekvenční studie & uživatelem definovanou hysterezi
- RF: Smith graf
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- CFD: třífázové proudění & simulace volné hladiny



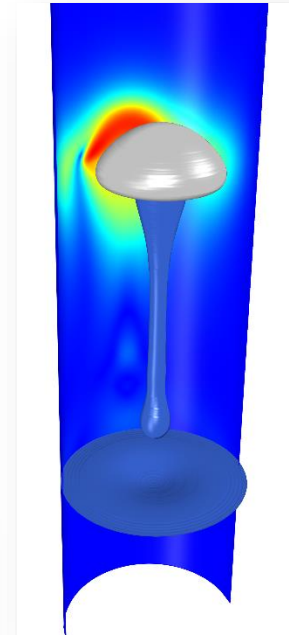
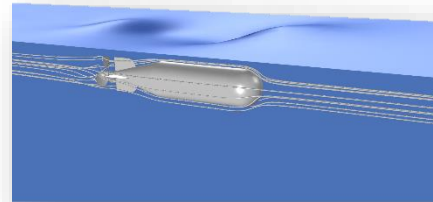
Nadstavbové moduly

- AC/DC: Nelineární BH/HB křivky pro frekvenční studie & uživatelem definovanou hysterezi
- RF: Smith graf
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Nadstavbové moduly

- AC/DC: Nelineární BH/HB křivky pro frekvenční studie & uživatelem definovanou hysterezi
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- CFD: třífázové proudění & simulace volné hladiny



COMSOL Server

COMSOL Server



COMSOL Server

- Rychlejší načítání aplikací
- Znovu připojení se k běžící aplikaci
- Spuštění aplikace v COMSOL Client z webového prohlížeče

administrator

- Application Library
- Upload
- Administration
- Your Settings

Radiant Floor Heating Design

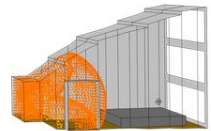


Launch in Browser

Launch in Browser

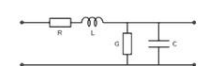
Launch in COMSOL Client

Smart Concrete Analyzer




Launch in Browser

Transmission Line Parameter Calculator

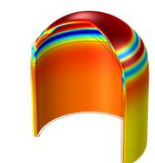


Radiative Cooling of a Glass Plate



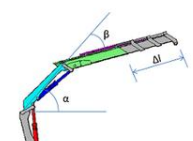
Launch in Browser

Stress Analysis of a Pressure Vessel

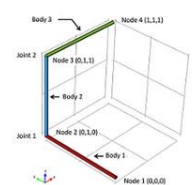


Launch in Browser

Truck Mounted Crane Analyzer

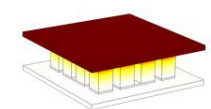


Rigid Body System Simulator



Launch in Browser

Thermoelectric cooler




Launch in Browser

Truss Bridge Designer



Ship Hull ICCP



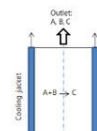
Launch in Browser

Touchscreen Simulator



Launch in Browser

Tubular Reactor with Nonisothermal Cooling Jacket



Launch method:
Browser or Client

administrator

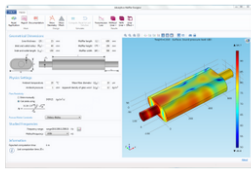
- Application Library
- Upload
- Administration
- Your Settings

COMSOL Server > Application Library

Running Applications

Session ID: 2037

Absorptive Muffler Designer



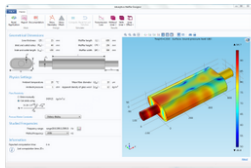
Reconnect in Browser

Reconnect in Browser

Reconnect in COMSOL Client

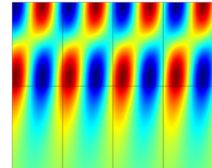
Reconnect to a running application that you were disconnected from

Absorptive Muffler Designer



Launch in Browser

Acoustic Reflection Analyzer for a Water-Sediment Interface



Launch in Browser

Configure COMSOL Server to run
one app at login

The screenshot shows the COMSOL Server configuration interface. The 'Save recovery file' checkbox is unchecked. The 'Folder for recovery files' is set to 'C:\Users\bjorn\.comsol\v52server\recoveries'. The 'Number of cores' is set to 'Manual:'. The 'Application:' dropdown menu is open, showing a list of applications. The application 'Cyclic Voltammetry at a Macroelectrode in 1D' is selected and highlighted in blue. A red box on the left contains the text 'Configure COMSOL Server to run one app at login', with two red arrows pointing to the 'Launch application on login' checkbox and the application dropdown menu. A 'Save' button is visible at the bottom right of the configuration window.

Save recovery file

Folder for recovery files:
C:\Users\bjorn\.comsol\v52server\recoveries

Number of cores:
Manual:

Application:
Off

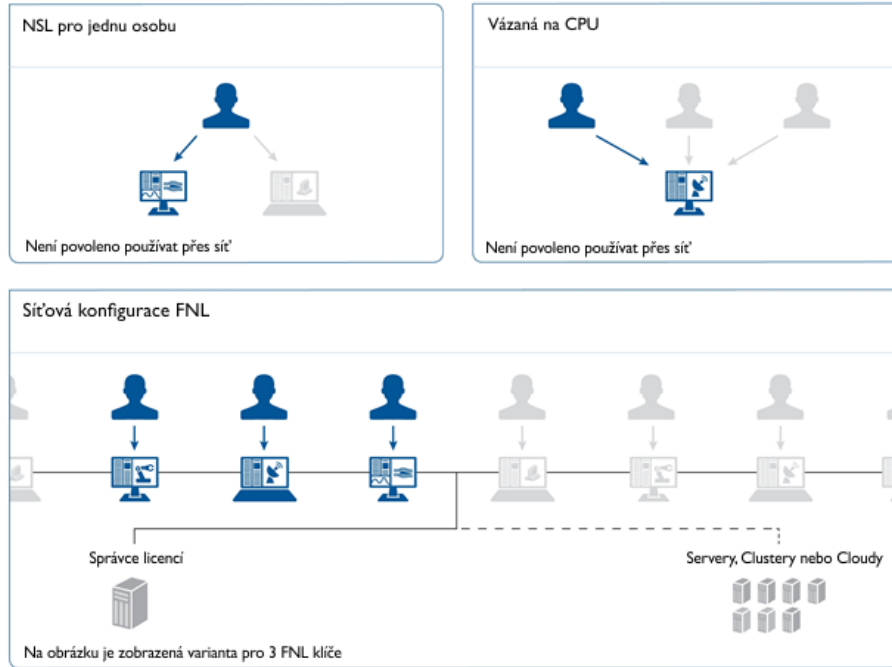
Launch application on login

- Off
- Absorptive Muffler Designer
- Acoustic Reflection Analyzer for a Water-Sediment Interface
- Beam Section Calculator
- Beam Section Calculator
- Beam Subjected to Traveling Load
- Biosensor Design
- Capacitively Coupled Plasma (CCP) Reactor
- Centrifugal Governor Simulator
- Charge Exchange Cell Simulator
- Concentric Tube Heat Exchanger
- Corrugated Circular Horn Antenna Simulator
- Cross-Flow Heat Exchanger
- Cyclic Voltammetry at a Macroelectrode in 1D**
- Dielectrophoretic Separation of Platelets from Red Blood Cells
- Disk-Stack Heat Sink
- Distributed Bragg Reflector (DBR) Filter
- Effective Nonlinear Magnetic Curves Calculator
- Electrochemical Impedance Spectroscopy
- Equivalent Properties of Periodic Microstructures

Save

Děkuji za pozornost

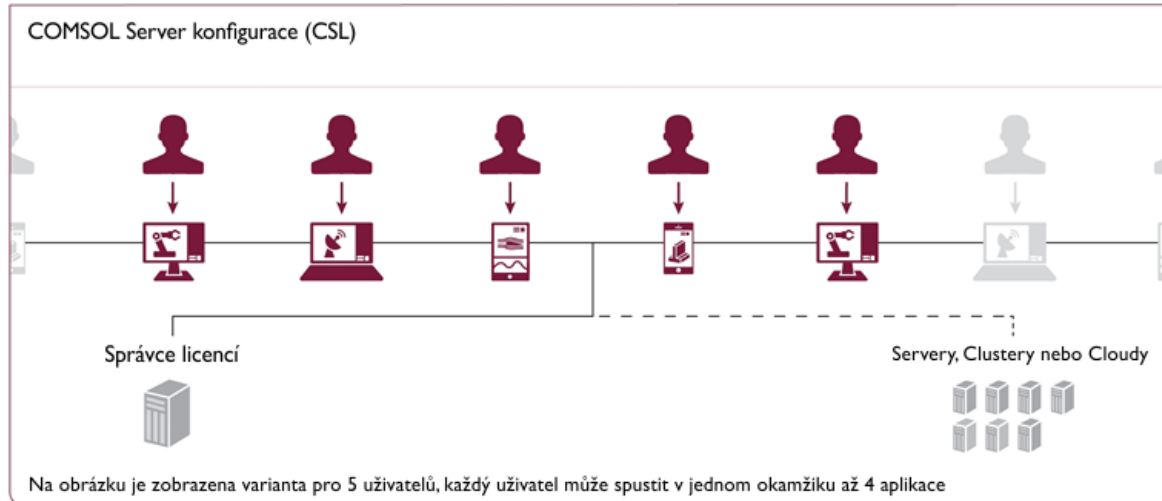
Licence - COMSOL Multiphysics



COMSOL Multiphysics® is compatible with the Windows®, OS X, and Linux® operating systems.

Licence - COMSOL Server

WORLDWIDE LICENSE



COMSOL Server is compatible with the Windows®, OS X, and Linux® operating systems.
An application can be run in many major web browsers on platforms such as Windows®, OS X, iOS, Linux®, and Android™.

Portfolio

COMSOL Multiphysics®

COMSOL Server™

ELECTRICAL

AC/DC
Module

RF
Module

Wave Optics
Module

Ray Optics
Module

MEMS
Module

Plasma
Module

Semiconductor
Module

MECHANICAL

Heat Transfer
Module

Structural
Mechanics Module

Nonlinear Structural
Materials Module

Geomechanics
Module

Fatigue
Module

Multibody
Dynamics Module

Acoustics
Module

FLUID

CFD
Module

Mixer
Module

Microfluidics
Module

Subsurface Flow
Module

Pipe Flow
Module

Molecular Flow
Module

CHEMICAL

Chemical Reaction
Engineering Module

Batteries &
Fuel Cells Module

Electrodeposition
Module

Corrosion
Module

Electrochemistry
Module

MULTIPURPOSE

Optimization
Module

Material
Library

Particle Tracing
Module

INTERFACING

LiveLink™
for MATLAB®

CAD Import
Module

ECAD Import
Module

LiveLink™
for Inventor®

LiveLink™
for Revit®

LiveLink™ for PTC®
Pro/ENGINEER®

File Import
for CATIA® V5

LiveLink™
for Excel®

Design
Module

LiveLink™
for SOLIDWORKS®

LiveLink™
for AutoCAD®

LiveLink™ for PTC®
Creo® Parametric™

LiveLink™
for Solid Edge®