

Specification Chart

Chemical Reaction
 Batteries and Fuel Cells Module
 COMSOL Multiphysics
 AC/DC Module
 Acoustics Module
 Electrodeposition Engineering Module
 CFD Module
 Geomechanics Module
 Heat Transfer Module
 MEMS Module
 Microfluidics Module
 Optimization Module
 Particle Tracing Module
 Plasma Module
 RF Module
 Structural Mechanics Module
 Subsurface Flow Module

AC/DC

[Expand/Collapse all](#)

All Features

Physics Interfaces and Study Types

Physics Interface	Chemical Reaction	Batteries and Fuel Cells Module	COMSOL Multiphysics	AC/DC Module	Acoustics Module	Electrodeposition Engineering Module	CFD Module	Geomechanics Module	Heat Transfer Module	MEMS Module	Microfluidics Module	Optimization Module	Particle Tracing Module	Plasma Module	RF Module	Structural Mechanics Module	Subsurface Flow Module
Charged Particle Tracing																✓	
Electric Currents with Current Conservation				✓													
Electric Currents, Shell					✓												
Electrical Circuit												✓			✓	✓	
Electrostatics with Charge Conservation				✓													
Magnetic and Electric Fields					✓												
Magnetic Fields					✓												
Magnetic Fields, No Currents					✓												
Rotating Machinery in 2D, Magnetic					✓												

Boundary Conditions

Circuit Terminal						✓						✓				✓	
Contact Resistance				✓													
Dielectric Shielding					✓							✓				✓	
Distributed Capacitance					✓							✓				✓	
Distributed Impedance					✓							✓				✓	
Distributed Resistance				✓													
Electric Shielding					✓							✓				✓	
Floating Potential					✓							✓				✓	
Lumped Port					✓												
Magnetic Shielding					✓												
Periodic Boundary Condition				✓													
Sector Symmetry				✓													
Surface Charge Accumulation																✓	
Surface Impedance					✓												
Thin Low Permeability Gap					✓												
Transition					✓												
Fundamental Magnetic Boundary Conditions				✓													
Fundamental Voltage and Current Boundary Conditions				✓													

Edge and Point Conditions

Edge/Line and Point Currents and Charges				✓													
Electric Point Dipole					✓							✓					
Magnetic Point Dipole					✓												

Electrical Circuit

Import of SPICE Netlist						✓						✓			✓	✓	
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