

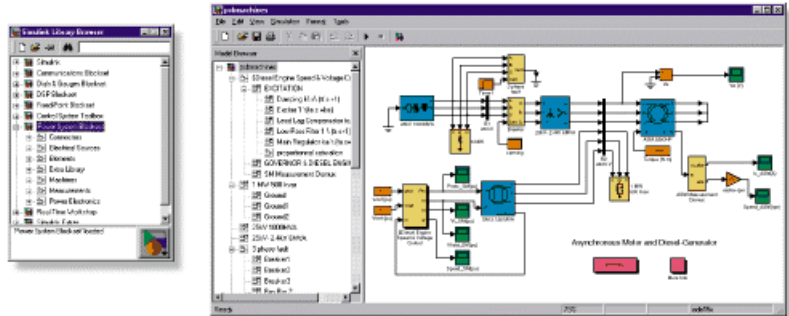
Simulink

Simulink® is an interactive tool for modeling, simulating, and analyzing dynamic systems. Commonly used in control system design, DSP design, communication system design, and other simulation applications, Simulink enables you to build graphical block diagrams, simulate dynamic systems, evaluate system performance, and refine your designs. With seamless integration to MATLAB®, Simulink offers immediate access to an extensive range of analysis and design tools.

Key Features of Simulink include:

- A comprehensive block library for creating linear, nonlinear, discrete-time, continuous-time, hybrid and multirate systems
- Convenient creation of hierarchical models and subsystems
- Mask facility for creating custom blocks and block libraries
- Browsers for model and library navigation
- Scalar and vector connections
- Signal and port labeling for clear and concise block diagrams
- Interactive simulation with live display
- Monte Carlo simulations
- Conditionally executed subsystems; triggered and enabled
- Scopes, input sources, output sinks

Simulink provides an interactive, block-diagram environment for modeling and simulating dynamic systems. It includes an extensive library of predefined blocks that you can use to build graphical models of your systems using drag-and-drop operations. Supported model types include linear, nonlinear, continuous-time, discrete-time, multirate, conditionally executed, and hybrid systems. Models can be grouped into hierarchies to create a simplified view of components or subsystems. High-level information is presented clearly and concisely, while detailed information is easily hidden in subsystems within the model hierarchy. Simulink has many features that allow customization, especially with regard to incorporating existing user C code. In addition, simulations can be run interactively or in batch mode from the MATLAB command line.



Please refer to the following URL for further information: <http://www.mathworks.com/products/simulink/>

Platform: Windows NT

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