

First Steps in Simulink (Paperback)



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Reviews

It in one of the best book. Better then never, though i am quite late in start reading this one. You wont feel monotony at at any moment of the time (that's what catalogues are for regarding in the event you check with me).
(Dr. Kristin Dickens)

FIRST STEPS IN SIMULINK (PAPERBACK)



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Createspace Independent Publishing Platform, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Simulink is a block diagram environment for multidomain simulation and Model-Based Design. It supports system-level design, simulation, automatic code generation, and continuous test and verification of embedded systems. Simulink provides a graphical editor, customizable block libraries, and solvers for modeling and simulating dynamic systems. It is integrated with MATLAB, enabling you to incorporate MATLAB algorithms into models and export simulation results to MATLAB for further analysis. Use Simulink to model algorithms and physical systems using block diagrams. You can model linear and nonlinear systems, factoring in real-world phenomena such as friction, gear slippage, and hard stops. A comprehensive library of predefined blocks helps you to build models. You add blocks from the library to your model using the Simulink Editor. In the editor, connect blocks by way of signal lines to establish mathematical relationships between system components. You can also refine the model appearance and add masks to customize how users interact with the model. You can design your models to be hierarchical by organizing groups of blocks into subsystems. This approach enables you to build discrete components that reflect your real-life system and simulate the interaction of those components. With Simulink you can interactively simulate your system and view the results on scopes and graphical displays. For simulation of continuous, discrete, and mixed-signal systems, you can choose from a range of fixed-step and variable-step solvers. Solvers are integration algorithms that compute system dynamics over time. The integration of Simulink and MATLAB enables you to run unattended batch simulations of your Simulink models using MATLAB commands.



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