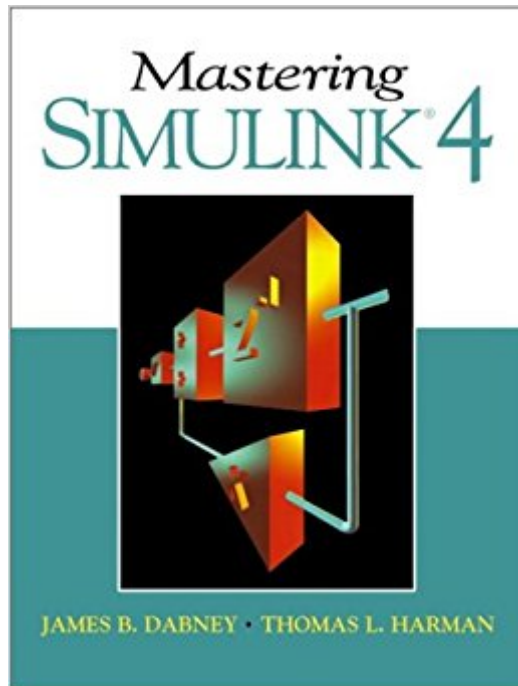




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Mastering Simulink 4 (2nd Edition)



Synopsis

Mastering Simulink®

Book Information

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Customer Reviews

"...there are numerous engaging illustrations of situations involving motivation ... It is likely to appeal to a concrete, down-to-earth type of person looking for very practical advice." #151; Dr. Jeffrey G. Reed, Marian College "Each section uses a variety of tools to engage and challenge the reader ... These tools lead the reader to greater self-discovery." #151; Dr. Kenneth Davis, Villanova University

Mastering Simulink® presents readers with in-depth coverage of programming using Simulink. This book is intended to serve as a detailed tutorial for all new users of Simulink and as a reference for experienced users. The book presents an overview of Simulink and describes in detail the procedures for building, editing, and running a Simulink model. Provides explanations for debugging techniques, including the interactive debugger. Introduces Stateflow®, a Simulink extension which adds the capability to model finite state machines subsystems using a variant of the popular Statecharts formalism. Covers subsystems, masking, callbacks, graphical animations, and S-functions. For anyone interested in Control Theory and Operational Amplifiers.

I bought this to help me learn Simulink and while it did help, it doesn't very little in helping you get started learning. This book goes into detail about each block and gives you the "life story" of said

block. It doesn't really touch on how to connect multiple blocks together into a working simulation and it barely touches upon items such as the model workspace, the block library interface, it doesn't touch on how to tie Matlab scripts into a model, etc. If you are just starting with Simulink, this is not the book for you. If you already semi-know how to use Simulink and you want a more detailed knowledge about each block, then this might be of some help.

This is the best Simulink text book that I have found for those interested in learning it or just to keep as a reference.

Bought this to help me boot my Simulink 'kung fu'. This really did help me get up and going quickly.

What was needed for the class and covered much of the material needed for the job at my facility and position.

Not the best ever. Does not flow smoothly. I ended up returning it. Kind of a bummer. I think there are some better books out there.

I have been using Simulink ever since it's born in early 90's. I got this book because I have "Mastering Simulink 2" from the same authors. Few years ago, Simulink official manual is poorly written in the sense that a lot of important information were left out. "Master Simulink 2" was useful then. Starting Matlab 6, MathWorks has put in a big effort to roll out its official manuals, especially on Simulink 4. Therefore, this new book has little value (no more information) on top of the existing manuals. This book has a few nontrivial c-mex file examples that are pretty much the only useful pages I can get some benefits from. The official manual "Writing S-Function" covers a lot more detailed materials to show user how to write c-mex, Fortran-mex, Ada-mex files with Simulink, which is the essence of building any real world design application. The book did not talk about Simulink Performance Tools, which is a very useful side product to work with Simulink. Overall, for any beginner who can not access the official MATLAB 6/Simulink 4 manuals, this book is a good choice to solve some simple "textbook" problems. But I doubt anyone can learn much from this book to accomplish serious, practical, and real-world design applications.

"We intend for this book to serve both as a tutorial for new users of Simulink and as a reference for experienced users. The book COVERS ALL OF THE IMPORTANT CAPABILITIES OF SIMULINK,

including subsystems, masking, callbacks, S-Functions, and debugging....."[from the book of the preface]

The content is basic, and is based in SIMULINK 4.0 but is good for a quick reference, very good to new Simulink users

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