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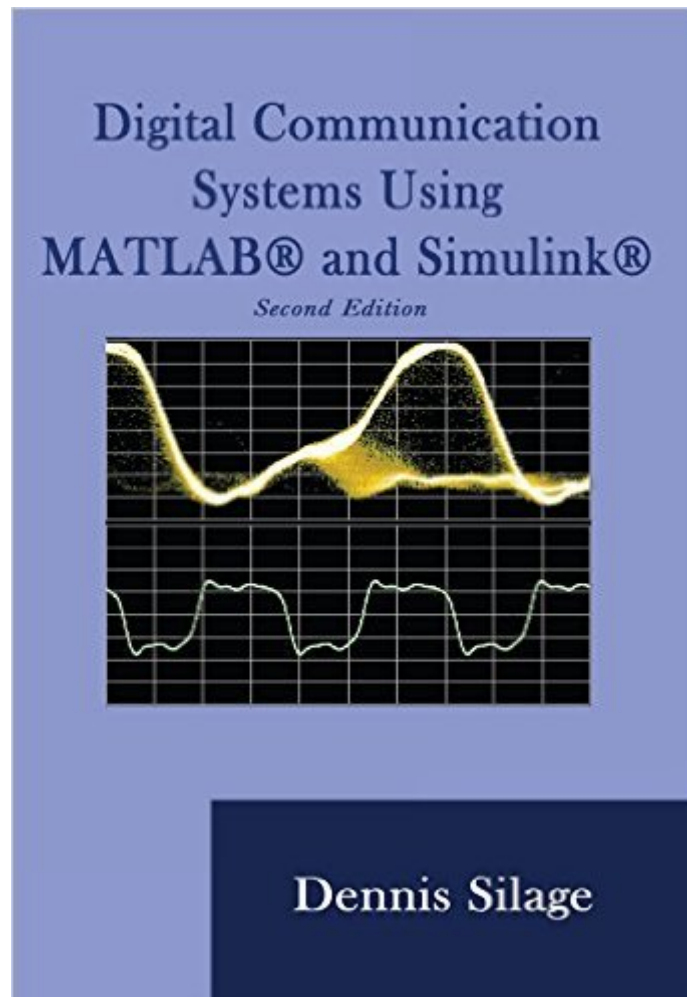
Digital Communication Systems Using MATLAB And Simulink, Second Edition

Digital Communication
Systems Using
MATLAB® and Simulink®
Second Edition

Dennis Silage

Synopsis

Digital Communication using MATLAB and Simulink is intended for a broad audience. For the student taking a traditional course, the text provides simulations of the MATLAB and Simulink systems, and the opportunity to go beyond the lecture or laboratory and develop investigations and projects. For the professional, the text facilitates an expansive review of and experience with the tenets of digital communication systems.

Book Information

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Customer Reviews

Even though the title says MATLAB and Simulink, this text is strictly about using Simulink to model digital communications protocols. The use of the MATLAB communications toolbox is not discussed at all. In fact, some very straightforward modulation/demodulation approaches, well supported by the MATLAB communications toolbox, are instead shown in Simulink with some fairly convoluted approaches. I was able to download the Simulink library of examples and run them (albeit with a few minor tweaks), and the pictoral approach in Simulink provides a good framework to add BER analysis and simple graphical representations. But modulation generation options (constellation encoding, carrier coherence, phase offsets) are better handled in "raw" MATLAB scripts (with or without the communications toolbox). So the book would have been 200% better if it has discussed and demonstrated the full suite of MATLAB tools in this field, rather than focusing on "one size fits all" approach.

I like this book for the following reasons:1. Valuable book for quick reference2. Accompanied with ample diagrams, graphs & exercises3. The inclusion of Matlab/Simulink files made the learning process less challenging, for first time as well as returning readers4. Great book for students as well as practitioners5. Less intimidating to pick up and read thru the material (only 200 pages)5. Great pricing and fast delivery

This book is a comprehensive one full of usefull and practical technical details and applications. Nice and good work and Thanks!

I received this item within the expected time frame in excellent condition and meets all of my expectations.

Very informative ,

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