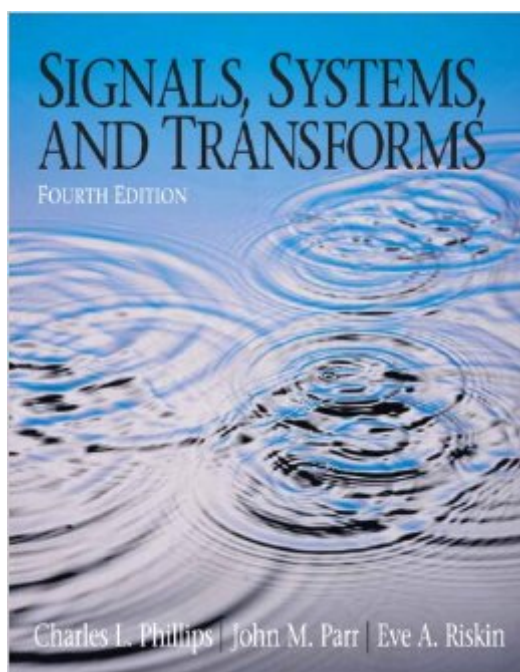


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Signals, Systems, And Transforms (4th Edition)



Synopsis

For sophomore/junior-level signals and systems courses in Electrical and Computer Engineering departments. *Signals, Systems, and Transforms, Fourth Edition* is ideal for electrical and computer engineers. The text provides a clear, comprehensive presentation of both the theory and applications in signals, systems, and transforms. It presents the mathematical background of signals and systems, including the Fourier transform, the Fourier series, the Laplace transform, the discrete-time and the discrete Fourier transforms, and the z-transform. The text integrates MATLAB examples into the presentation of signal and system theory and applications.

Book Information

Hardcover: 784 pages

Publisher: Prentice Hall; 4 edition (July 22, 2007)

Language: English

ISBN-10: 0131989235

ISBN-13: 978-0131989238

Product Dimensions: 7.3 x 1.3 x 9.3 inches

Shipping Weight: 3.1 pounds

Average Customer Review: 2.3 out of 5 stars [See all reviews](#) (40 customer reviews)

Best Sellers Rank: #620,590 in Books (See Top 100 in Books) #94 in [Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Signal Processing](#) #508 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits](#) #1256 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics](#)

Customer Reviews

This is a very poor book. It is filled with errors, and the presentation is extremely incoherent (not clear at all, despite the editorial claims). Entire paragraphs of thought were left out. The order of the text is crazy. The pictures are not very good. The presentation is not qualitative. My classmates do not understand the material conceptually from the book, and we have one of the authors as our teacher. I wish I could say this book is going to get better in future editions, but it is fundamentally flawed. It would need to be completely rewritten by different authors. STAY away from this text, even if your school requires it. You will NOT learn the material from this book. If you are a school official, PLEASE do not use this text for your school! GET BOTH OF THESE instead. They are the best:--
Linear Signals and Systems by B.P. Lathi
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incredibly qualitative, clear, and carefully written. The first 6 chapters about Systems are its strength. You will really learn the material well, not just theory, but real world. Its Fourier signal analysis chapters are a bit weaker.-- Transforms in Signals and Systems by Peter Kraniavskas An amazing book with the most incredible qualitative GRAPHICS. The entire subject of transform analysis is presented with pictures AND complete analysis. You can't possibly understand the transforms better with any other presentation. This is the book to use for Fourier transform analysis.

This book is evil. I mean evil in the Biblical sense. Think Dante's Inferno and the innermost circle of hell. Actually, being frozen in a lake or forced to eat excrement seem rather pleasant compared to the twisted, nonsensical passages in this book. Perhaps I would have liked the book better if it had been written in Farsi. I don't understand Farsi either, but at least then it would have had an excuse. The book is poorly worded. Examples are not fully worked, and make critical assumptions between steps that are neither documented nor explained. The homework problems bear as much semblance to the text as I bear to Tommy Lee or a large piece of office furniture. Sections of the book are not in chronological order, meaning that critical information for understanding a section is often several more sections ahead. If you have to buy this text, I strongly recommend purchasing the Schaums (sp?) Outlines on Fourier Transforms, which is concisely written and has several well documented examples. I encourage you to keep this book in the bathroom as an alternate source of material should you run out of toilet paper. At least then, you may get some use out of it.

This book has poor examples let alone limited ones. It's basically a short-hand version of a big textbook... and for the price it should be a big, well written textbook... but it's not. In all honesty you should take the money you were going to spend on this book and spend half as much to hire a pirate that will get you the 4th edition. Then other half on alcohol to get you through the semester. Plus you can just get the assigned problems from a classmate. Or a subscription to Chegg would be an even better use of your money if your professor selected this book for their class. hey, I got through it.. no thanks to the book Cheers

...and save yourself the grief of trying to learn anything from this book. This is the required text in one of my EE courses and I haven't found a single redeeming quality in it yet. The material is not presented in a very concise manner I typically spend a great deal of time filtering through the chapters to find the important details. Most of the time I have to go to a text from one of my other courses to find what I am looking for. The examples are few and not helpful in working the exercises

at the end of the chapters. Any good text on circuit analysis which covers the Fourier and Laplace transforms and their applications would be more useful.

Having had to suffer through 1 semester of this book, I was horrified to learn that my school had decided to keep this book for the second semester of signals! This book would be much better as a hyperlinked document, because the author continuously references other chapters and formula #'s. His examples are confusing, and leave you wondering what you are looking for. A visit to the book's website leaves you with a bad taste in your mouth. Honestly, if you need this book, find another book to use as a reference because you will need it.

Signals & Systems is a very complex topic - it needs to be presented in a very clear and concise manner with plenty of examples and explanation. This text has none of those qualities. I supplemented this text with the Shaums's Outline for Signals & Systems; I still could barely follow the class. A much better text on the topic is "Signals and Systems" by Simon Haykin and Barry Van Veen. It accomplished in one edition what "Signals, Systems, and Transforms" has not accomplished in three.

As an engineer one is expected to teach one self the math behind the theories. This book has almost no proofs and no mathematical explanation and as someone who buys old school Dover math books to teach himself math, de's fourier etc. this is the worst insult I can make. As a student I found this book only applies to schools that want to have to reteach this subject in all latter classes. Who do not want ABET cert. Or prefer to spoon feed their engineering students. This book is an example of how Pearson is just a money hungry corporation who prefers bad textbooks over classics and sells junk just to make money. If you are an engineer and want a reference book to reference find another book.

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