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Signals, Systems, & Transforms (5th Edition)

Signals, Systems, and Transforms

Fifth Edition

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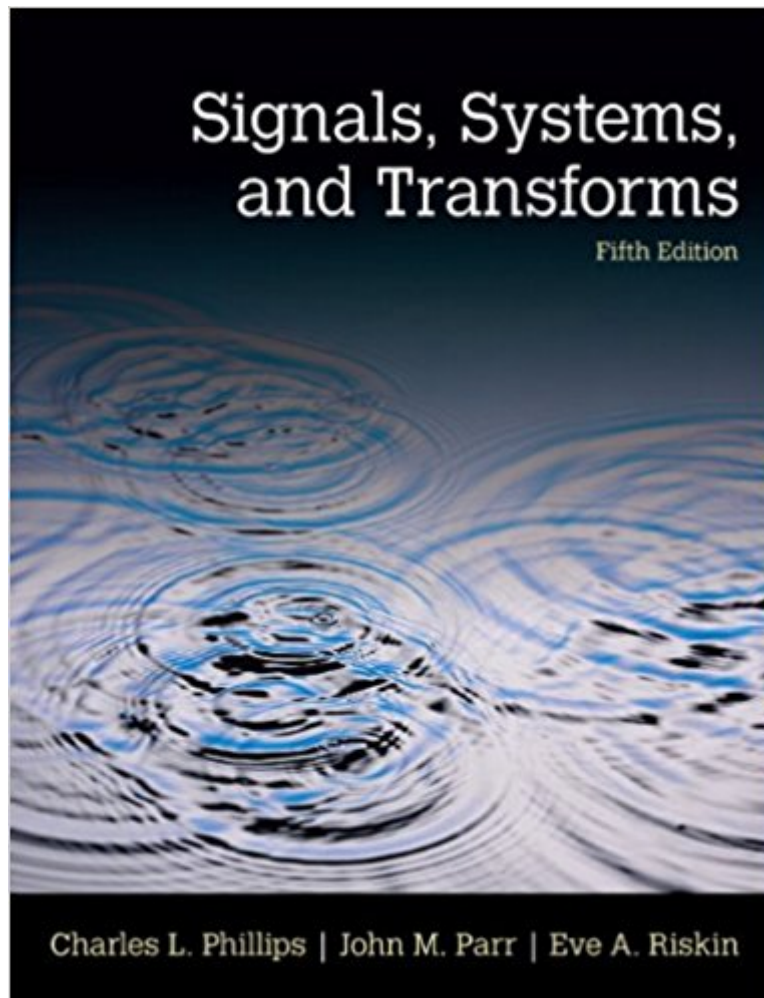
Synopsis

For sophomore/junior-level signals and systems courses in Electrical and Computer Engineering departments.Ã Â This book is also suitable for electrical and computer engineers. Ã Â Signals, Systems, and Transforms, Fifth EditionÃ Â 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.Ã Â The text integrates MATLAB examples into the presentation of signal and system theory and applications.

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Customer Reviews

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.

I don't think this book has gotten fair reviews. There are a couple of things that I would have appreciated it pointing out, but no author can predict every connection your brain is going to miss while reading it. Within the first couple of pages of the first chapter it explained how to derive the closed loop gain of an op-amp based amplifier circuit in very straightforward terms. From that point on I was able to quickly derive the closed loop gain of any amplifier circuit from scratch. And that is not even a subject the book was intended to cover. From that point on it stayed on topic, and it was pretty good. I did not use any other books, and I understood everything well enough to impress my professor to the point of offering me an undergraduate research position under the chair of the department. I mean granted there were some topics which I googled for extra explanations, but for which book is that not necessary?

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 honestly 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 bookCheers

This book was a required text for a Signals and Systems course at my university's EE program. This book is terrible. The instructor only referred to it for two tables and maybe for half a dozen end of chapter problems for homework. Lectures did not follow the text, and how could they? As other reviewers have noted, the text assumes you already have a working knowledge of many of the concepts. Why else would they be presented in such an incoherent and haphazard manner?If this is a required text for a college course, then you are stuck with it. Even the cheaper International Edition will not serve you well because the end of chapter problems are completely different. Graduate students with a working knowledge of signal processing may find some use of it. Otherwise I do not recommend this book to anyone wishing to learn the fundamental of DSP because they are simply skipped over here.By the way, I typically save all my textbooks in case I need them in the field. I sold this one.

I personally did not like this book. That is not to say that it is not useful or loaded with information, but for my level of understanding, it went right over my head.

Product received was how it was defined.

This book is complete trash. I NEVER sell books back. I always use my books from the past as a reference while studying a subject with related material. This one will be sold.Our professor's works with signals on a day to day basis and he complains about how horrible this book is.I use other books from classes to learn the material for this class. I only use this book to get the homework problems out of.With a class of 25 students, every student agrees that this book can teach them little or nothing. The professor agrees, what more do you need to know?The book doesn't explain concepts well, the examples are useless, the 'solution manual' (half of the problems written, half typed) has many problems that are wrong.... I can continue on all day.I think it would better serve its purpose if it were used as a fire starter with some lighter fluid.

Some textbooks are friendly and inviting; this is not one of those. Examples are limited in what they demonstrate for you and some of the practice problems have parts that are nothing like anything you read in the chapter. Problem solutions are limited, too, so there's no real way to see if you're getting the hang of the material or not.If there's any way you can avoid buying this book, then do that. It isn't much help.

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