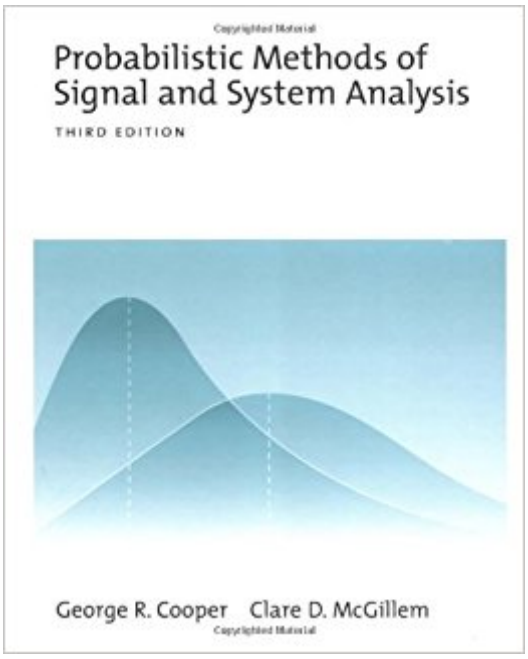
# Probabilistic Methods Of Signal And System Analysis (The Oxford Series In Electrical And Computer Engineering)



## Synopsis

Probabilistic Methods of Signal and System Analysis, 3/e stresses the engineering applications of probability theory, presenting the material at a level and in a manner ideally suited to engineering students at the junior or senior level. It is also useful as a review for graduate students and practicing engineers.  Thoroughly revised and updated, this third edition incorporates increased use of the computer in both text examples and selected problems. It utilizes MATLAB as a computational tool and includes new sections relating to Bernoulli trials, correlation of data sets, smoothing of data, computer computation of correlation functions and spectral densities, and computer simulation of systems. All computer examples can be run using the Student Version of MATLAB. Almost all of the examples and many of the problems have been modified or changed entirely, and a number of new problems have been added. A separate appendix discusses and illustrates the application of computers to signal and system analysis.

## Book Information

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## Customer Reviews

"Still the best textbook in probability and random signal theory written for undergraduate electrical engineering courses."--Behnam Kamali, Mercer University

George R. Cooper and Clare D. McGillem are both at Purdue University.

This is my senior year of college so I've had my fair share of textbooks and this one is the worst. I don't know why my class even uses this book as it's over 10 years old. The age isn't even the real problem though, the problem is there are about 2 examples for every chapter and not enough description to figure out on your own how to do some problems. I have had books like this before, but those books had solutions to selected problems at least, so you could use similar problems as examples to figure out how to do other ones, but this book doesn't have any solutions. This book throws you in the fire and tells you not to burn, not helpful at all.

This book is a nightmare for students. Typically engineering probability courses are hard enough to grasp as-is, so a strong textbook aid is needed. This book, however, is not that. Incorrect solutions, incomplete examples, overly-complicated and wiry problems. Avoid this book unless it's required by your professor.(Still got an A- but not because of this book).

This book has decent to good explanations of the concepts used in probability. Reading the book does help a lot in understanding the theory and concepts of Probability , pdf's and cdf's. However, as an engineering student, I like to see examples of the methods that we are learning. Learning the theory on solving a problem and seeing special cases often is not sufficient for completely understanding how to solve a problem. This book has some good examples, but they are few and far between. There are a lot of "examples" that provide the reader with a word problem and then two answers. Again, just giving a problem and and answer does not show how to go about solving a problem or how to approach a problem. This a is a good book for the core concepts and theory, however it doesn't have near enough examples worked through and for that reason I give it only 2 stars.

Really good book. I wish I could get my hands on the solution manual but apparently it is really hard to find.

Fantastic service, flawless book.

Very informative and illustrated book, i would recommend it to anyone studying probabilistic methods of signal and system design and analysis.

Delivery came very soon. Book was in new condition even tough it was a used one. Would

recommend this vendor to others.

My school uses this book to teach random signals, and I feel that the content is quite lacking. The theory presented is too basic, and the authors don't provide any further explantions. The examples presented are too simple and too few. Additionally, they don't show how harder problems can be solved. The end-of-chapter problems aren't very easy to solve if you're only consulting this book. There are exercises presented for you to try during the chapter in addition to the end-of-chapter problems, but the book doesn't show how to do these problems and only gives you the final answers instead. On top of this, sometimes, the answers for the exercises are switched, leaving you wondering for a few minutes what you might have done wrong.As a comparision to other books, the chapter about several random variables in this book was approximately 35 pages long, while the book by Papoulis (another book I've consulted) covers this material in 70 pages. I've taken a look at some other books, and one book that comes close to my tastes is Schaum's Outline of Probability, Random Variables, and Random Processes since it provides a whole lot of examples I can work through.

Circuits (The Oxford Series in Electrical and Computer Engineering) 7th edition CMOS Analog Circuit Design (The Oxford Series in Electrical and Computer Engineering) Digital Integrated Circuit Design (The Oxford Series in Electrical and Computer Engineering) Understanding Semiconductor Devices (The Oxford Series in Electrical and Computer Engineering) SPICE (The Oxford Series in Electrical and Computer Engineering)