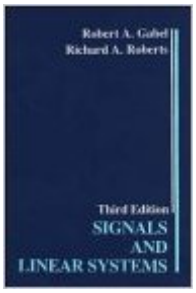
# Signals And Linear Systems



## Synopsis

Unifies the various approaches used to characterize the interaction of signals with systems. Stresses their commonality, and contrasts difference/differential equation models, convolution, and state variable formulations in presenting continuous- and discrete-time systems. Transform methods are also discussed as they relate to corresponding time-domain techniques. This edition expands discussion of applications of the theoretical material in physical problems, enhancing students' ability to relate this material to design activities. Material on deconvolution has also been added to the time-domain and transform-domain treatments of discrete-time systems. Contains many examples and equations.

## Book Information

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## Customer Reviews

Great product

This book, the staple of many electrical engineering undergraduates, does well in it's job of teaching you what you seek to learn- in this case, Signals and Systems. Most students in my college refer to this book as 'baap' or the Godfather! It is but natural that a book on so technical a subject must be, well, technical. However, the authors have done an excellent job in taking a relative newcomer to this subject and by the end of the book, providing enough knowledge to make one feel like they've learnt something. Although I must say that one has to know something of the subject to start here, because, unfortunately, there are a few jumps to difficult topics at a few places along the line.

However, the theory given here is the tops. If one can gather all that is said here, then I'm pretty sure, you're on your way to do well in this subject. So, for those who wish to put in some effort, and learn the subject of Signals and Systems in, most probably, the deepest and most serious fashion, this book is for you. There are a few other books which you could refer to when you use this. Two I would mention are Oppenhiem, and Zoher Karu's: Signals and Systems Made Ridiculously Simple(yes, that's the name!). These books will help to fill up any gaps, and clear any doubts you might have.

With a dozen popular books round the corner, why choose this one? Well, the book itself does the talking! The approach of the authors is quite different from other authors, in the sense that this book follows are more unified approach to the subject.The section of Z-transforms and difference equations is treated especially well.Can be used as reference and/or textbook.



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