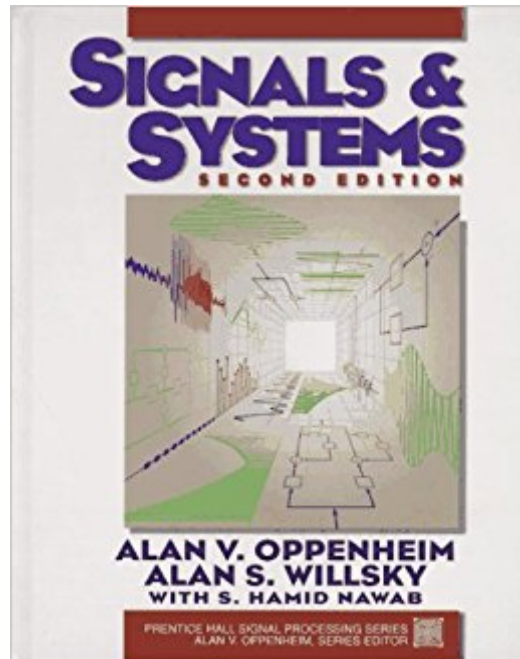




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Signals And Systems (2nd Edition)



Synopsis

This authoritative book, highly regarded for its intellectual quality and contributions provides a solid foundation and life-long reference for anyone studying the most important methods of modern signal and system analysis. The major changes of the revision are reorganization of chapter material and the addition of a much wider range of difficulties.

Book Information

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Customer Reviews

The second edition of this well-known and highly regarded text can be used as the basis for a one- or two-semester undergraduate course in signals and linear systems theory and applications. Topics include basic signals and systems concepts, linear time-invariant (LTI) systems, Fourier representations of continuous-time and discrete-time signals, the CT and DT Fourier transforms, and time- and frequency-domain analysis methods. The author emphasizes applications of the theory through numerous examples in filtering, sampling, communications, and feedback. The parallel development of continuous-time and discrete-time frequency domain methods allows the reader to apply insights and intuition across the two domains. It also facilitates a deeper understanding of the material by bringing into focus the similarities and differences between the two domains. The text also includes introductory chapters on communication systems and control theory. This book assumes that you have a background in calculus as well as exposure to complex numbers and elementary differential equations. Because of its thoroughness and unhurried pace, this text is highly recommended for students and those interested in self-study.

This comprehensive exploration of signals and systems develops continuous-time and discrete-time concepts/methods in parallel -- highlighting the similarities and differences -- and features introductory treatments of the applications of these basic methods in such areas as filtering, communication, sampling, discrete-time processing of continuous-time signals, and feedback. Relatively self-contained, the text assumes no prior experience with system analysis, convolution, Fourier analysis, or Laplace and z-transforms.

just what I wanted

excellent

very good quality

Quality of book is good as new. Same covered as classroom book. Very great price.

This is probably the most excellent book on signals and systems I've come across. Also, the fact that there is an accompanying MIT open courseware course by Oppenheim that closely follows the textbook (readings are even assigned) makes this pretty much a no-brainer purchase. I'm knocking off one star for the poor writing of textbook examples. Most textbooks provide examples by defining the question or problem to be solved in its entirety, then allowing you to attempt it yourself before glancing at the solution. Oppenheim, however, elaborates the problem as he explains its solution, which doesn't allow you to get any practice from the examples themselves.

Absolute gem to go with the lectures online and even as a stand alone book. A very rigorous treatment of the subject. Principles derived from first principles.

Attractive look...arrived as advertized.

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