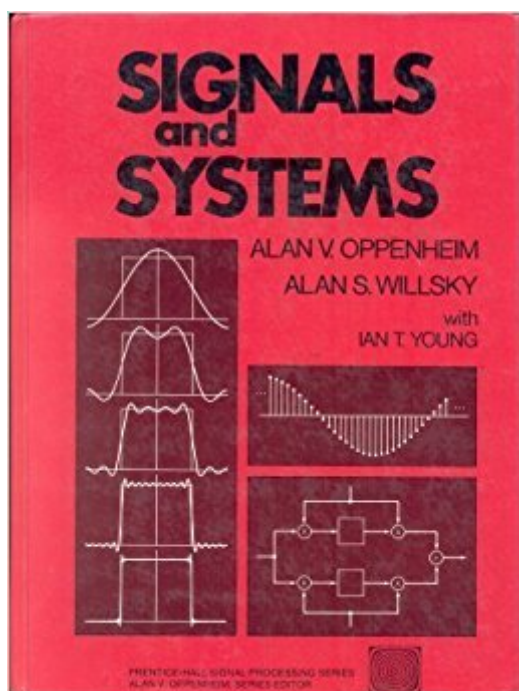The book was found

Signals And Systems (Prentice-Hall Signal Processing Series)

Synopsis

This volume provides a firm foundation in the most important methods of modern signal and systems analysis. Develops in parallel the methods of analysis for continuous-time and discrete-time signals and systems.

Book Information

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Customer Reviews

I.J. Nagrath is Adjunct Professor, BITS, Pilani and retired as Professor of electrical engineering and Deputy Director of Birla Institute of Technology and Science, Pilani. He obtained his BE with Hons. in electrical engineering from the university of Rajasthan in 1951 and MS from the University of Wisconsin in 1956. He has co-authored several successful books which includes Electric Machines. Modern Power System Analysis and Systems: Modelling and Analysis. He has also published several research papers in prestigious national and international journals. S N Sharan, a PhD holder in Energy from IIT Delhi, has been associated with BITS, Pilani, for a very long period and has served in different capacities, such as Group Leader, Electrical & Electronics Engineering Coordinator for the Centre for Renewable Energy and Environment Development. For the last couple of years he is the Director of Greater Noida Institute of Technology, Greater Noida. He has executed several sponsored research and development-based projects in the areas of Electronics and Energy and has also been involved in a couple of consultancy-based projects. He has published a little over 30 research and review papers in journals of international and national repute. Rakesh Ranjan received his BE in Electrical Engineering from MIT Muzaffarpur, ME from BIT,

Mesra, Ranchi, and PhD from BITS, Pilani. Dr Ranjan has more than 18 years of teaching and research experience at Indian and foreign Universities. He has served as Lecturer at BITS, Pilani, as an Assistant Professor and the HOD at Defence University College, Addis Ababa, Ethiopia, and as Faculty of Engineering and Technology, Multimedia University Malaysia, Melaka Campus. Dr Ranjan joined the Institute of Technology and Management, Gurgaon, as Professor and was promoted to Dean-Academics. He also served as Principal from 2005 -2009. Currently, he is Founder Director-Principal of International Institute of Technology and Business at Sonepat, Haryana. --This text refers to an out of print or unavailable edition of this title.

This book, in conjunction with the free MIT video course, is among the best educational values available. It is written (and presented in video) in a clear, concise, efficient style, with commentary that provides the motivating ideas for each major step. Examples illustrate many of these ideas along the way. The subject as presented in the book is clearly the result of many years of teaching the course to able students. Not much wasted motion here - Oppenheim's got the presentation down to a science - so every paragraph counts.The focus is on the development and application of certain concepts as powerful tools for dealing with the title subject. Once these tools are in place, the entire subject is transformed in a way which makes many results almost transparent. There are not many other subjects that lend themselves to such a clarifying process.This is not a math book, but the tools are mathematical. Whether you find this book a joy or a struggle depends on your background. If you are moderately comfortable with complex numbers and complex exponentials; if you have at least seen Fourier and Laplace transforms before; if you know what an eigenfunction is - then you will be rewarded in proportion to your effort.Problem sets are used to expand on some ideas and introduce others, as well as to help you gauge your understanding. The problems are varied and some are harder than others. You might get stuck in spots, but in the end you really should be able to do most of them. If you have great difficulty with many of them, then you might need to brush up on the math a bit before continuing. Have fun!

"very good. I will be keeping this for a long time as a reference."

Holds throughout time. Dr. Oppenheim is straight forward and easy to follow.

To be used, this book is perfect.

Great fast shipping. good condition and pleased with the book. I needed it for review of the material. Thanks :)

This book was a great reference for the book Signals, Systems, and Transforms by Leland B. Jackson.

I have used this book when I was in college and found it hard to understand, at first. Later on I started using it as a reference and begun to appreciate it. The trick was to read it very patiently (extremely), line by line. No short cuts. If one wants to highlight the most important part of any section of this book, that person will end up highlighting the entire book. It is that dense in information. I have consulted this book several times as a reference since then. I have seen some other work of Oppenheim's and I believe he is one of the most talented person in this field and knows exactly how to present this subject in the most graceful way.As far as the end of chapter questions are concerned, I should agree to the fact that they are very hard. One needs to be extremely knowledgeable to attack some of the problems. If you are novice to Signal Processing, chances are you will not even understand the solution let alone the question.Bottom line: I believe this book can be used by any body who has some basic understanding of mathematics. You do not have to be an expert at all.

This book presents complex subject matter in extremely complex engineeringese (contrary to English). There is little attention paid to establishing a base of reference on which to build. The author assumes the reader has fluent knowledge of complex mathematics and wastes no time or space in an attempt to explain his assumptions or algebraic leaps to the "most simplified form." The practice problems are virtually impossible to solve and bear slight or no resemblence to the grossly inadequate examples.All in all a very frustrating book.

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