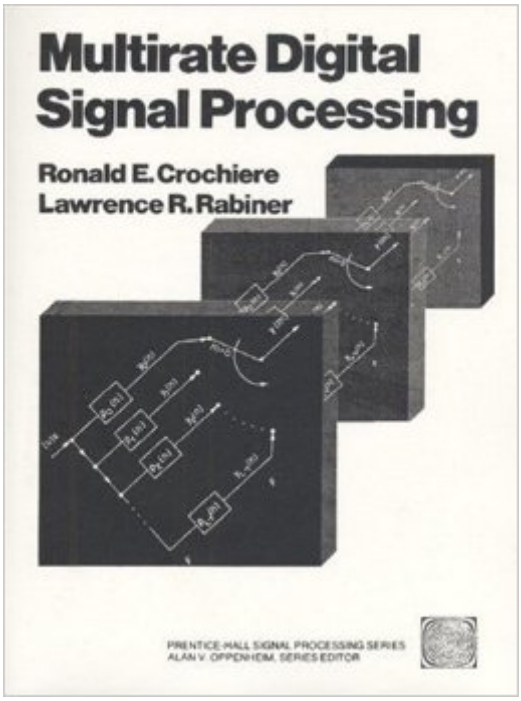
Multirate Digital Signal Processing



Synopsis

Intended for a one-semester advanced graduate course in digital signal processing or as a reference for practicing engineers and researchers.

Book Information

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Average Customer Review: 4.6 out of 5 starsÂ Â See all reviewsÂ (5 customer reviews)

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Customer Reviews

I purchased this book when it first came out. (Yes I am dating myself with that remark!) The book is a classic and will always be timeless. As the publisher stated, this is a graduate level text book. I used it for self-study and solving real-world DSP problems. It worked well for me. Look for a green hardcover copy. Prentice-Hall Signal Processing Series, ISBN 0-13-605162-6

As seen on another site...From the PublisherThis title is no longer being mass-produced. It is now being printed on demand by the publisher. While this process keeps information readily available, the print quality of these books is generally that of a copier and not of a normal book. This is a copy of the original book.

If someone wants to know about this topic, probably it is the first book that he or she should refer to; A collection of original works on this topic, that up to the time of publication, have been done. One has the chance to know about many aspects of this topic as they’re presented in original papers. However, the book is not very attractive for self-study, and one needs to refer to the other references for not to restrict him/herself, to the methods described in this book. (e.g. There is more

emphasis on the time domain analysis than frequency domain analysis through out the book.)

This book is a classic text for multi-rate signal processing. I recently picked it up to study the filter bank theory and found that the derivation was very clear. Although some of the material in the book is a bit dated, and there have been advancements in the field not included in this book, it is still a great reference to understanding the basics of multi-rate signal processing. I especially enjoy how the author keeps tabs on hardware implementation efficiency. I recommend this book.

This book is a very good starting point for multirate systems. It seems to be keep its place in the classical sources. Rate conversion is explained very clearly. It also addresses selected references for fundemental subjects.