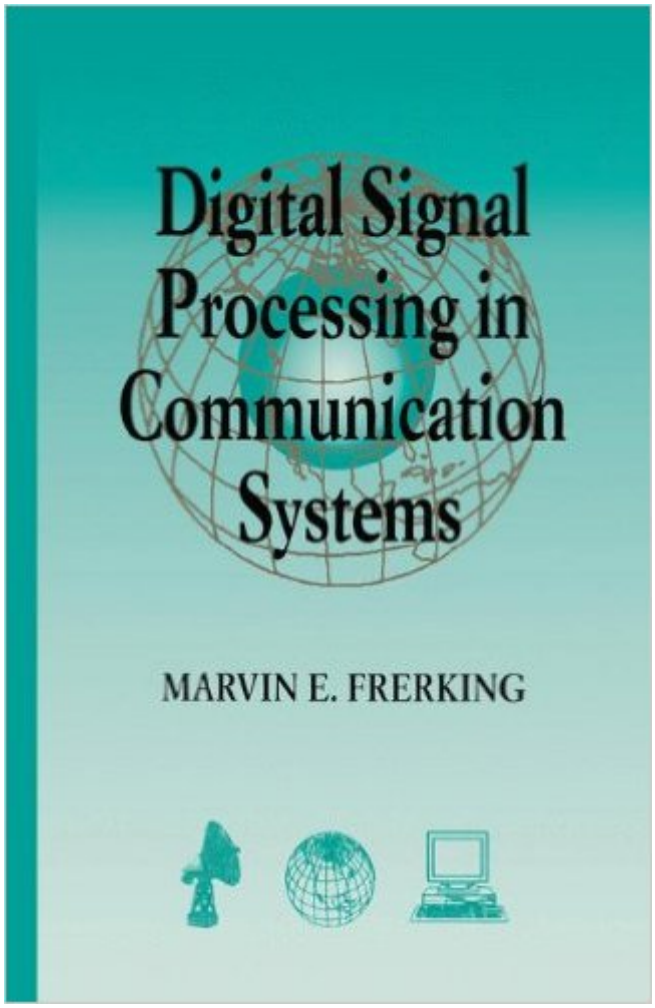
Digital Signal Processing In Communications Systems



Synopsis

An engineer’s introduction to concepts, algorithms, and advancements in Digital Signal Processing. This lucidly written resource makes extensive use of real-world examples as it covers all the important design and engineering references.

Book Information

Hardcover: 624 pages

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Average Customer Review: 4.3 out of 5 starsÂ Â See all reviewsÂ (3 customer reviews)

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Customer Reviews

I bought this book a while ago but didn’t really read it (it cost me a lot to buy this book). I almost sold this book two years ago but nobody wanted to pick it up. How lucky I was!!! Recently I need to implement algorithms for a wireless Modem, and I need many tricks for such like sin(), cos(), arctan(), 1/x.... and I couldn’t found other books talking about how to approximate those functions for real world application until I got this book from the basement, and suddenly I found this is the book that can show me those practical skill in the real world problem!!This book talks about many wireless systems and subcircuits, and much more useful than other books is that this book show you how you can make the real circuit (Singal Processing) to approximate many fucntions used in those subcircuits.However, this book has two weakness, first, some of the sentences are not easy to understand and second, it was written in 1994, it doesn’t have up-to-date information and there are many advancement in todays digital radio.

I have referenced this book many, many times over the years while developing DSP software. Practical ideas and algorithms. I will have to agree with a previous reviewer, that it is getting a little

old, and does not cover a lot of new techniques, like CDMA.

A practical book written in a good style to be found useful by both beginners and advanced users. The concepts of practical DSP with focus on applications to communications are well explained.Some of the algorithms, like in DSP based Modems, would be found immensely useful to both academic and practicing engineers.