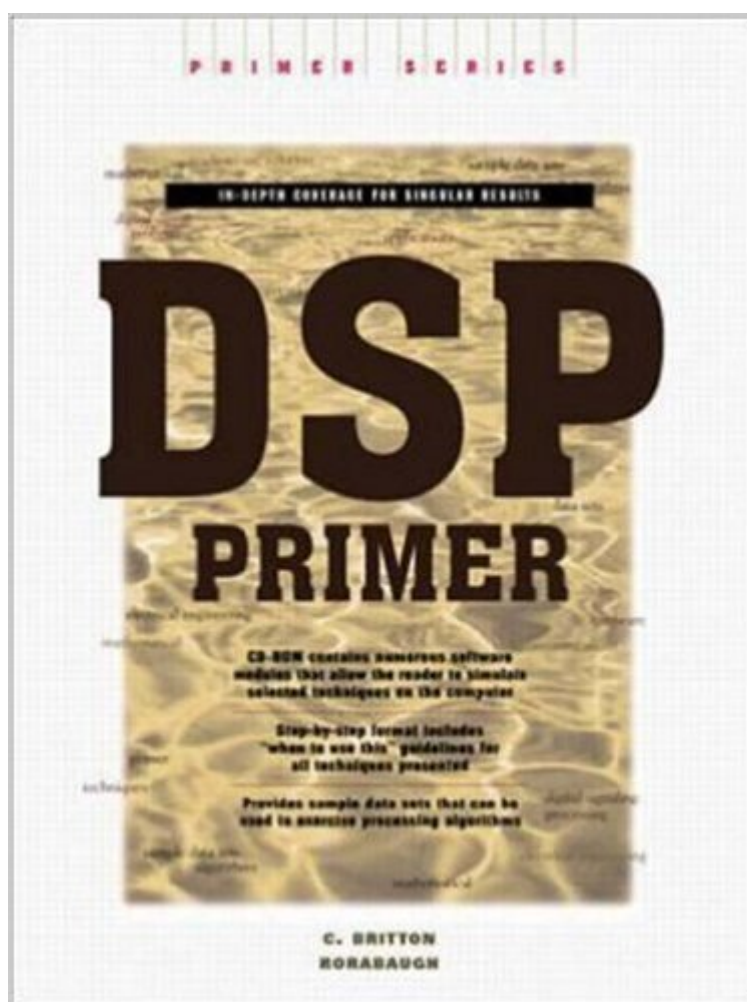# The book was found

DSP Primer

Synopsis

For day-to-day digital signal processing, you simply can't find a better source than DSP Primer. After a concise statement of the applicable theory, this clear, practical book/CD package hands you ready-to-apply tools that cover the vast majority of digital signal processing deployment challenges. You get more than 200 useful algorithms, mathematical models, and design procedures; code in both executable Windows and source forms; and a step-by-step approach to solving problems and selecting techniques. DSP Primer covers digital filtering methods, discrete transform techniques, digital spectra analysis, multirate and statistical signal processing, adaptive filtering, speech processing, and much more. The CD-ROM gives you C++ programs for immediately testing new techniques, a library of C++ classes ready for integration into your own applications, and sample data for algorithm evaluation and demonstration. With hands-on solutions for common problems, DSP Primer is the toolkit of choice for the most explosively growing area of electrical engineering.

Book Information

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Customer Reviews

This is a very good book on DSP area. I can say, this is the best one I read on DSP books so far. First, The basic concepts and priciples are clearly explained. Second, the book contains comprehensive contents. Besides traditional DSP contents such as linear system, classic analog filter and digital filters (IIR, FIR), DFT, FFT and multiratesignal processing, it covers many modern DSP processing techniques such as parametric models of random processes, linear prediction,

adaptive filter, classic and modern spectral estimation, speech processing, etc. Finally, the book gives many examples and computer source codes for implementation of some important DSP techniques such as AR and linear prediction, IIR and FIR filters, etc. It makes reader to master both DSP theorectic knowledges and some pratical processing ability.

Okay, what does that mean? There are the classics - Oppenheimer, Antoniou (all math, little code). At the other end of the scale is this book. I still need it 2-5 times a year. Middle ground is the Embree book - combo of theory and code. I find stuff in this book (and code), which is not covered anywhere. DSP folks - add this to your collection. It cost me $100 bucks at the time I bought it. For $25 - you are getting a steal.

Good primer and review book.

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