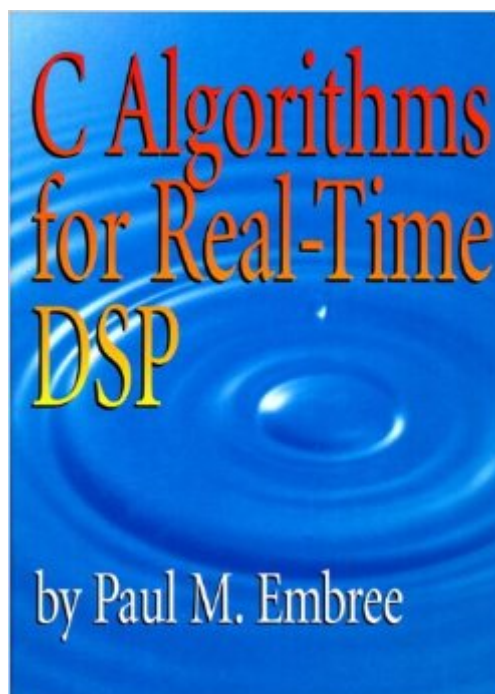# C Algorithms For Real-Time DSP

Synopsis

For electrical engineers and computer scientists. Digital signal processing techniques have become the method of choice in signal processing as digital computers have increased in speed, convenience, and availability. At the same time, the C language is proving itself to be a valuable programming tool for real-time computationally intensive software tasks. This book is a complete guide to digital real-time signal processing techniques in the C language.

Book Information

Paperback: 256 pages

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Product Dimensions: 6.9 x 0.6 x 9.1 inches

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Average Customer Review: 3.8 out of 5 starsÂ Â See all reviewsÂ (5 customer reviews)

Best Sellers Rank: #1,558,907 in Books (See Top 100 in Books)   #57 inÂ Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > DSPs   #234 inÂ Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Signal Processing #498 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Discrete Mathematics

Customer Reviews

C Algorithms for Real-Time DSP, by Paul Embree, is a stimulating book. When I finished reading it, I went straight to my workstation and started experimenting with DSP algorithms. Embree clearly knows this subject and presents it in a straightforward manner. This is a refreshing change from the academic approach taken by the seven digital-signal processing books currently on my bookshelf. Not that Embree doesn't reference some heavy math. C Algorithms for Real-Time DSP is not for the mathematically weak of heart. To feel comfortable with the book, you should be familiar with time- and frequency-domain math as well as filter terminology&emdash;topics Embree reviews in the first part of the book. Reading this section reminded me of how my entire high-school education was summarized in my first week of college.

Within this book, various algorithms can be found. The algorithms are implemented on various DSPs (TI C3x',AD 21xxx and etc) as well. Would be a great reference for students working on their

DSP projects.

This book's title and topics sounds very attractive. Unfortunately, it has nothing more than like a reference card!! The content need more detail presentation and analysis to give readers something valuable. A book with only about 200 pages of headlines sale for more than $70, this is absolutely ridiculous!! The worst book in my colletion.

I'm a long-time software engineer just starting to do DSP work. This book will be an excellent head-start into the DSP world.

The book uses a chapter to talk about c programming. I think this isn't necessary because readers should have knowm c programming. Also, the book just talks about floating points but fixed points.

C Algorithms for Real-Time DSP Real Time Systems and Programming Languages: Ada 95, Real-Time Java and Real-Time C/POSIX (3rd Edition) Real Estate: Learn to Succeed the First Time: Real Estate Basics, Home Buying, Real Estate Investment & House Flipping (Real Estate income, investing, Rental Property) DSP without math: A brief introduction to DSP The Art of DSP: An innovative introduction to DSP DSP Software Development Techniques for Embedded and Real-Time Systems (Embedded Technology) DSP for Embedded and Real-Time Systems Active Noise Control Systems: Algorithms and DSP Implementations (Wiley Series in Telecommunications and Signal Processing) Communication System Design Using DSP Algorithms: With Laboratory Experiments for the TMS320C6701 and TMS320C6711 (Information Technology: Transmission, Processing and Storage) Communication System Design Using DSP Algorithms: With Laboratory Experiments for the TMS320C6713TM DSK (Information Technology: Transmission, Processing and Storage) Digital Media Processing: DSP Algorithms Using C Real-time Operating Systems (The engineering of real-time embedded systems Book 1) Memory Controllers for Real-Time Embedded Systems: Predictable and Composable Real-Time Systems: 2 Algorithms in C, Parts 1-5 (Bundle): Fundamentals, Data Structures, Sorting, Searching, and Graph Algorithms (3rd Edition) Evolutionary Algorithms in Theory and Practice: Evolution Strategies, Evolutionary Programming, Genetic Algorithms Applied Cryptography: Protocols, Algorithms, and Source Code in C [APPLIED CRYPTOGRAPHY: PROTOCOLS, ALGORITHMS, AND SOURCE CODE IN C BY Schneier, Bruce (Author) Nov-01-1995 Practical Algorithms in Pediatric Hematology and Oncology: (Practical Algorithms in Pediatrics. Series Editor: Z. Hochberg) Combinatorial Optimization: Theory and

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