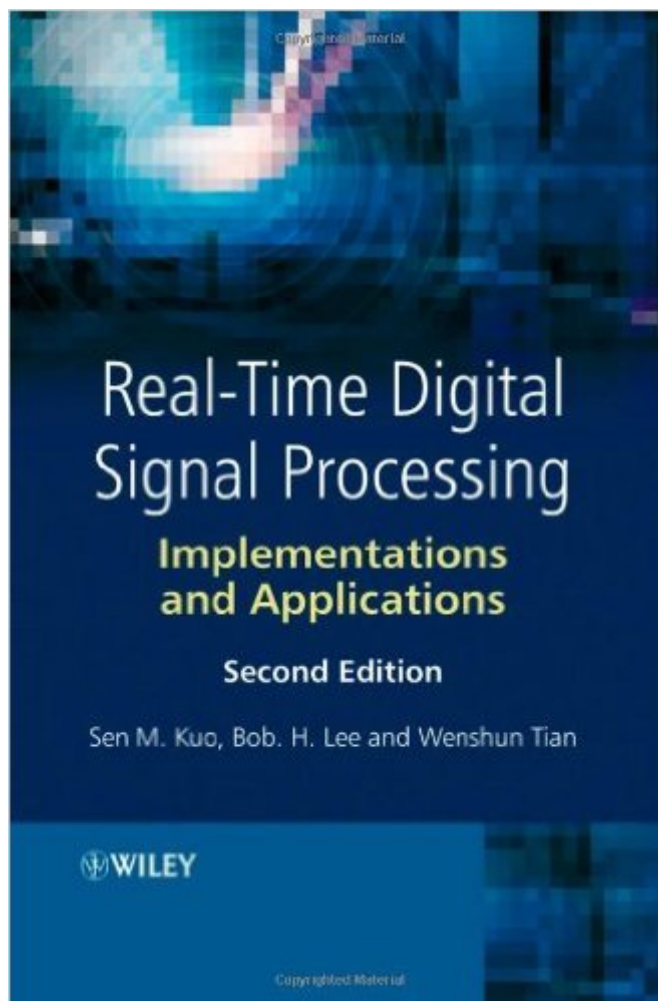# Real-Time Digital Signal Processing: Implementations And Applications

Synopsis

Real-time Digital Signal Processing: Implementations and Applications has been completely updated and revised for the 2nd edition and remains the only book on DSP to provide an overview of DSP theory and programming with hands-on experiments using MATLAB, C and the newest fixed-point processors from Texas Instruments (TI).

Book Information

Hardcover: 664 pages

Publisher: Wiley; 2 edition (June 5, 2006)

Language: English

ISBN-10: 0470014954

ISBN-13: 978-0470014950

Product Dimensions: 6.9 x 1.7 x 10 inches

Shipping Weight: 3 pounds

Average Customer Review: 5.0 out of 5 stars See all reviews (2 customer reviews)

Best Sellers Rank: #3,115,133 in Books (See Top 100 in Books)   #102 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > DSPs   #424 in Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Signal Processing #641 in Books > Science & Math > Physics > Waves & Wave Mechanics

Customer Reviews

The best book on practical DSP. It has the right balance of theory and practice. I have readen many DSP books. Many books are too theoretical and other ones are too practical. The book also covers some advanced topics that are very well approached for beginners.In order to taking advantage of the book, I recommend to buy the cheap TI DSP Board (C5515 eZDSP USB Stick Development Tool) for practicing most of the exercises. This board is available for US $ 79 on TI Store.However, this book is not for everyone (for self study). The reader should have experience on computer architecture, C and assembly programming, and MATLAB. A basic knowledge of DSP concepts is also recommended.I recommend the book to anyone interested on practicing DSP basic and advanced concepts.

very instructive and helped me digest dsp material and code perfect!

Download to continue reading...

Real-Time Digital Signal Processing: Implementations and Applications Digital Signal Processing: with Selected Topics: Adaptive Systems, Time-Frequency Analysis, Sparse Signal Processing Multidimensional Digital Signal Processing (Prentice-Hall Signal Processing Series) Digital Signal Processing with Examples in MATLAB®, Second Edition (Electrical Engineering & Applied Signal Processing Series) Real Time Digital Signal Processing Applications With Motorola's Dsp56000 Family Discrete-Time Signal Processing (3rd Edition) (Prentice-Hall Signal Processing Series) Active Noise Control Systems: Algorithms and DSP Implementations (Wiley Series in Telecommunications and Signal Processing) Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Signal Processing Algorithms in Fortran and C (Prentice-Hall Signal Processing Series) Real-Time Digital Signal Processing from MATLAB® to C with the TMS320C6x DSPs, Second Edition 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) LabVIEW Digital Signal Processing: and Digital Communications Applications of Digital Signal Processing to Audio and Acoustics (The Springer International Series in Engineering and Computer Science) Digital Signal Processing: Principles, Algorithms and Applications (3rd Edition) Digital Signal Processing: Fundamentals and Applications Digital Signal Processing: Principles, Algorithms and Applications Digital Signal Processing, Second Edition: Fundamentals and Applications Rocket Science for Traders: Digital Signal Processing Applications Practical Applications in Digital Signal Processing