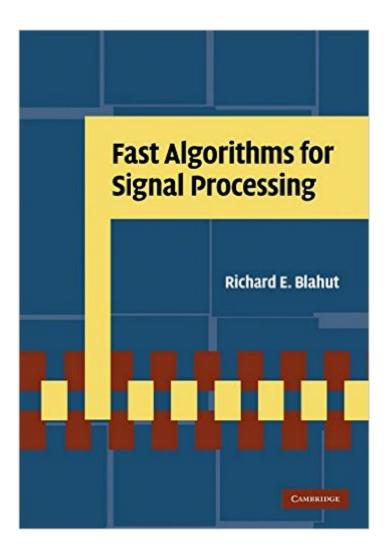
## The book was found

# Fast Algorithms For Signal Processing





## **Synopsis**

Efficient signal processing algorithms are important for embedded and power-limited applications since, by reducing the number of computations, power consumption can be reduced significantly. Similarly, efficient algorithms are also critical to very large scale applications such as video processing and four-dimensional medical imaging. This self-contained guide, the only one of its kind, enables engineers to find the optimum fast algorithm for a specific application. It presents a broad range of computationally-efficient algorithms, describes their structure and implementation, and compares their relative strengths for given problems. All the necessary background mathematics is included and theorems are rigorously proved, so all the information needed to learn and apply the techniques is provided in one convenient guide. With this practical reference, researchers and practitioners in electrical engineering, applied mathematics, and computer science can reduce power dissipation for low-end applications of signal processing, and extend the reach of high-end applications.

### **Book Information**

Hardcover: 466 pages

Publisher: Cambridge University Press; 1 edition (August 16, 2010)

Language: English

ISBN-10: 0521190495

ISBN-13: 978-0521190497

Product Dimensions: 6.8 x 1 x 9.7 inches

Shipping Weight: 2.3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,551,747 in Books (See Top 100 in Books) #100 in Books > Engineering &

Transportation > Engineering > Telecommunications & Sensors > Satellite #357 in Books >

Engineering & Transportation > Engineering > Telecommunications & Sensors > Signal Processing

#5377 in Books > Engineering & Transportation > Engineering > Electrical & Electronics >

Electronics

#### Download to continue reading...

Signal Processing Algorithms in Fortran and C (Prentice-Hall Signal Processing Series) Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Multidimensional Digital Signal Processing (Prentice-Hall Signal Processing Series) Digital Signal Processing with

Examples in MATLAB®, Second Edition (Electrical Engineering & Applied Signal Processing Series) Discrete-Time Signal Processing (3rd Edition) (Prentice-Hall Signal Processing Series) Digital Signal Processing: with Selected Topics: Adaptive Systems, Time-Frequency Analysis, Sparse Signal Processing Fast Algorithms for Signal Processing Active Noise Control Systems: Algorithms and DSP Implementations (Wiley Series in Telecommunications and Signal Processing) Digital Signal Processing: Principles, Algorithms and Applications (3rd Edition) Digital Signal Processing: Principles, Algorithms and Applications C++ Algorithms for Digital Signal Processing (2nd Edition) Genetic Algorithms: Concepts and Designs (Advanced Textbooks in Control and Signal Processing) Spotlight Synthetic Aperture Radar: Signal Processing Algorithms (Artech House Remote Sensing Library) Biosignal and Medical Image Processing (Signal Processing and Communications) Speech and Audio Signal Processing: Processing and Perception of Speech and Music Handbook of Neural Networks for Speech Processing (Artech House Signal Processing Library) 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)

**Dmca**