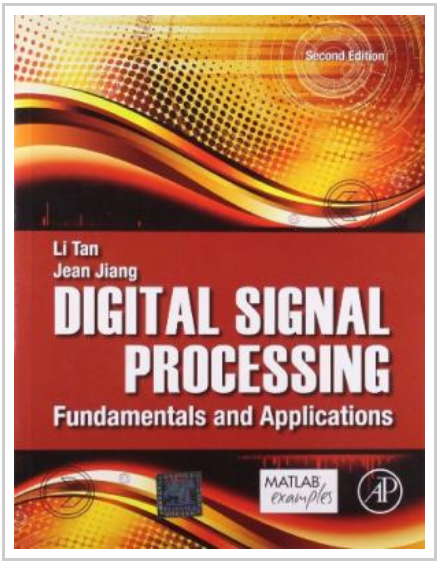

Digital Signal Processing: Fundamentals and Applications (Second Edition)

By Li Tan

Elsevier, 2013. Softcover. Book Condition: New. 2nd edition. Description: This textbook presents digital signal processing (DSP) principles, applications, and hardware implementation issues, emphasizing achievable results and conclusions through the presentation of numerous worked examples, while reducing the use of mathematics for an easier grasp of the concepts. This text gives students in electronics, computer engineering and bioengineering an understanding of essential DSP principles and implementation, demonstrating how the subject is fundamental to engineering as practiced today. Contents: Intro to DSP. Signal Sampling and Quantization. Digital Signals and Systems. Discrete Fourier Transforms and Signal Spectra The Z-Transform. DSP Systems, Basic Filtering Type, and Digital Filter Realizations. Finite Impulse Response Filter Design. Infinite Impulse Response Filter Design. Hardware and Software for Digital Signal Processors. Adaptive Filters and Applications. Waveform Quantization and Compression Multirate Digital Signal Processing, Oversampling ADC Conversion, and UnderSampling of Bandpass Signals Subband and Wavelet Based Coding Image Processing Basics Appendices References Answers to Selected Problems Index Printed Pages: 886.

Reviews

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