



Multimedia Signal Processing: Theory and Applications in Speech, Music and Communications (Hardback)

By Saeed V. Vaseghi

John Wiley and Sons Ltd, United States, 2007. Hardback. Condition: New. 1. Auflage. Language: English . Brand New Book. Multimedia Signal Processing is a comprehensive and accessible text to the theory and applications of digital signal processing (DSP). The applications of DSP are pervasive and include multimedia systems, cellular communication, adaptive network management, radar, pattern recognition, medical signal processing, financial data forecasting, artificial intelligence, decision making, control systems and search engines. This book is organised in to three major parts making it a coherent and structured presentation of the theory and applications of digital signal processing. A range of important topics are covered in basic signal processing, model-based statistical signal processing and their applications. Part 1: Basic Digital Signal Processing gives an introduction to the topic, discussing sampling and quantization, Fourier analysis and synthesis, Z-transform, and digital filters. Part 2: Model-based Signal Processing covers probability and information models, Bayesian inference, Wiener filter, adaptive filters, linear prediction hidden Markov models and independent component analysis. Part 3: Applications of Signal Processing in Speech, Music and Telecommunications explains the topics of speech and music processing, echo cancellation, deconvolution and channel equalization, and mobile communication signal processing. Covers music signal processing, explains the anatomy...



[READ ONLINE](#)
[2.74 MB]

Reviews

This is basically the very best book i have read right up until now. It is definitely simplistic but excitement in the 50 % from the ebook. Your daily life period will likely be transform as soon as you total reading this article pdf.

-- Prof. Ambrose Pollich DDS

A very great ebook with perfect and lucid answers. It can be packed with wisdom and knowledge I found out this book from my dad and i encouraged this publication to learn.

-- Elena McLaughlin