

Digital Signal Processing Ramesh Babu Fourth Edition

Digital Signal Processing Zahir M. Hussain 2011-02-17 In three parts, this book contributes to the advancement of engineering education and that serves as a general reference on digital signal processing. Part I presents the basics of analog and digital signals and systems in the time and frequency domain. It covers the core topics: convolution, transforms, filters, and random signal analysis. It also treats important applications including signal detection in noise, radar range estimation for airborne targets, binary communication systems, channel estimation, banking and financial applications, and audio effects production. Part II considers selected signal processing systems and techniques. Core topics covered are the Hilbert transformer, binary signal transmission, phase-locked loops, sigma-delta modulation, noise shaping, quantization, adaptive filters, and non-stationary signal analysis. Part III presents some selected advanced DSP topics.

Digital Signal Processing George Washington University (Washington, DC US). 1979

Digital Signal Processing - 4th Edn. P. Ramesh Babu 2007

Digital Signal Processing C. Ramesh Babu Durai 2005-12

Digital Signal Processing 19??

Digital Signal Processing Li Tan 2025-02-05 Digital Signal Processing: Fundamentals, Applications, and Deep Learning, Fourth Edition introduces students to the fundamental principles of digital signal processing (DSP) while also providing a working knowledge that they take with them into their engineering careers. Many instructive, worked examples are used to illustrate the material, and the use of mathematics is minimized for an easier grasp of concepts. As such, this title is also useful as a reference for non-engineering students and practicing engineers. This book goes beyond DSP theory, showing the implementation of algorithms in hardware and software. Additional topics covered include DSP for artificial intelligence, adaptive filtering with noise reduction and echo cancellations, speech compression, signal sampling, digital filter realizations, filter design, multimedia applications, over-sampling, etc. More advanced topics are also covered, such as adaptive filters, speech compression such as pulse-code modulation, μ -law, adaptive differential pulse-code modulation, multi-rate DSP, oversampling analog-to-digital conversion, sub-band coding, wavelet transform, and neural networks. - Covers DSP principles with various examples of real-world DSP applications on noise cancellation, communications, control applications, and artificial intelligence - Includes application examples using DSP techniques for deep learning neural networks to solve real-world problems - Provides a new chapter to cover principles of artificial neural networks and convolution neural networks with back-propagation algorithms - Provides hands-on practice, with MATLAB code for worked examples and C programs for real-time DSP for students at <https://www.elsevier.com/books-and-journals/book-companion/9780443273353> - Offers teaching support, including an image bank, full solutions manual, and MATLAB projects for qualified instructors, available for request at <https://educate.elsevier.com/9780443273353>

Soft Computing: Theories and Applications Millie Pant 2017-11-23 This book focuses on soft computing and its applications to solve real-life problems occurring in different domains ranging from medical and health care, supply chain management and image processing to cryptanalysis. It presents the proceedings of International Conference on Soft Computing: Theories and Applications (SoCTA 2016), offering significant insights into soft computing for teachers and researchers and inspiring more and more researchers to work in the field of soft computing. >The term soft computing represents an umbrella term for computational techniques like fuzzy logic, neural networks, and nature inspired algorithms. In the past few decades, there has been an exponential rise in the application of soft computing techniques for solving complex and intricate problems arising in different spheres of life. The versatility of these techniques has made them a favorite among scientists and researchers working in diverse areas. SoCTA is the first international conference being organized at Amity University Rajasthan (AUR), Jaipur. The objective of SoCTA 2016 is to provide a common platform to researchers, academicians, scientists, and industrialists

working in the area of soft computing to share and exchange their views and ideas on the theory and application of soft computing techniques in multi-disciplinary areas. The aim of the conference is to bring together young and experienced researchers, academicians, scientists, and industrialists for the exchange of knowledge. SoCTA especially encourages the young researchers at the beginning of their career to participate in this conference and present their work on this platform.

Digital Signal Processing S. SALIVAHANAN 2009

Forthcoming Books Rose Army 2001

Digital Signal Processing Implementation Avtar Singh

Modern Digital Signal Processing Prabhakar S. Naidu 2003 "DSP is a mathematics-oriented subject and this text provides a precise mathematics based approach to the subject along with a concise and clear narrative to help the students. A general background in college mathematics is assumed."--BOOK JACKET.

Digital Signal Processing Sanjit Kumar Mitra 2007

Digital Signal Processing P. Ramesh Babu 2003

Digital Signal Processing Akinori Nishihara 2000

Digital Signal Processing Sanjit Kumar Mitra 2007

Analog and Digital Communications Sudakshina Kundu 2010-06 Analog and Digital Communications will help students, irrespective of their level of study, to grasp the fundamental aspects of electronic communication by starting from the basics and working up the rungs gradually and in a structured form. The book is designed to make a student think consistently and grasp the concepts in steps to ensure understanding and retention. The coverage of fundamental ideas allows the student to easily learn the future developments that come up in these areas.

Digital Signal Processing Sanjit Kumar Mitra 2008

Digital Signal Processing Ashok Ambardar 2007

Digital Signal Processing 2016

Digital Signal Processing & SM Pkg ANONIMO 2006-04-01

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