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Digital Signal Processing With Student CD ROM

DIGITAL SIGNAL PROCESSING

A COMPUTER-BASED APPROACH
FOURTH EDITION

Sanjit K. Mitra
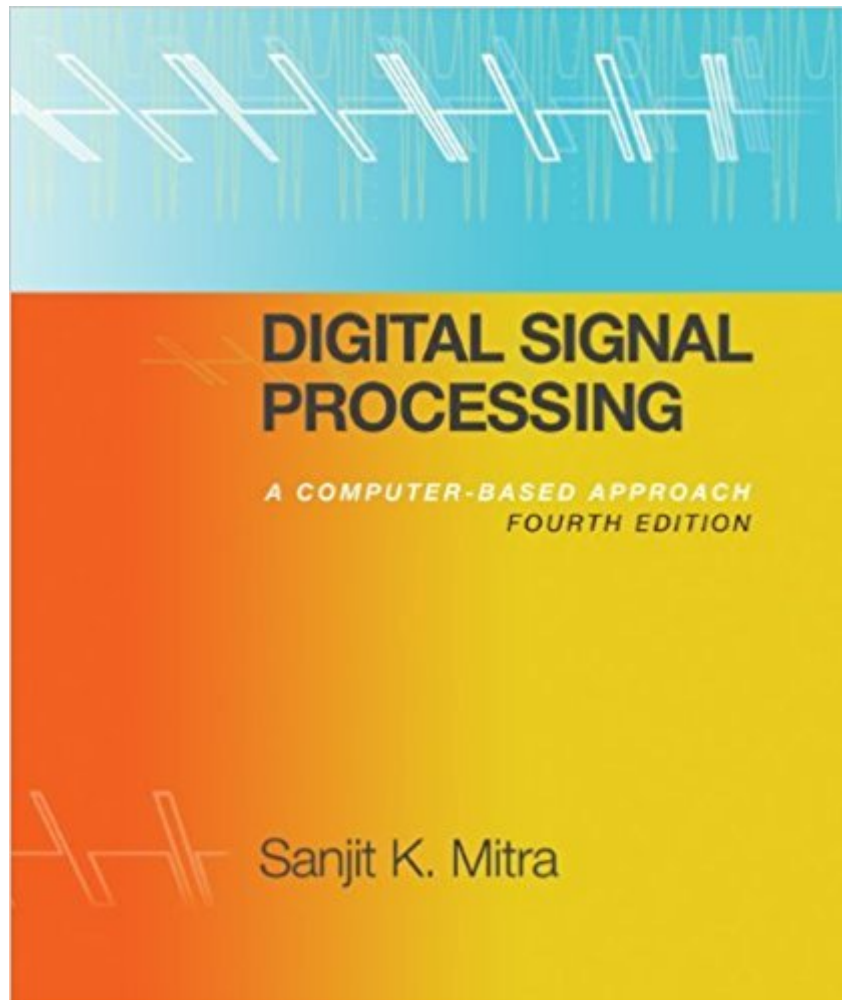
Synopsis

Based on Sanjit Mitraâ ™s extensive teaching and research experience, Digital Signal Processing, A Computer Based Approach, fourth edition, is written with the reader in mind. A key feature of this book is the extensive use of MATLAB-based examples that illustrate the program's powerful capability to solve signal processing problems. The book is intended for a course on digital signal processing for seniors or first-year graduate students. This highly popular book introduces the tools used in the analysis and design of discrete-time systems for signal processing. A number of changes have been made to the bookâ ™s content, based on reviewer and student comments.

Book Information

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Customer Reviews

Digital signal processing is a difficult subject, especially for beginners, and this book does nothing to alleviate the situation for the new learner.After reading multiple DSP books, it's painfully obvious that the explanations in this book are confusing and opaque. Often equations and mathematical proofs are buried within text paragraphs making it extremely difficult for the reader to follow along. The MATLAB experiments are not the panacea one is led to believe. I personally struggled in a DSP class for 6 weeks until I decided to go against the class requirements and I started over by reading the Oppenheim book. The Oppenheim book is a thorough treatment of the subject and is simply better.The Oppenheim book, still difficult, but better explained and very thoroughDiscrete-Time Signal Processing (3rd Edition) (Prentice Hall Signal Processing)The Schaum's outline was useful as a reference and explained some of the fundamental concepts well, but I would NOT use it as the

sole reference.Schaums Outline of Digital Signal Processing, 2nd Edition (Schaum's Outline Series)This book may be a better starter for the beginner due to its simpler explanations. Serious practitioners would probably move to Oppenheim eventually

Multidimensional Digital Signal Processing (Prentice-Hall Signal Processing Series) Digital Signal Processing with Examples in MATLABÃ Â®, Second Edition (Electrical Engineering & Applied Signal Processing Series) Digital Signal Processing: with Selected Topics: Adaptive Systems, Time-Frequency Analysis, Sparse Signal Processing Digital Signal Processing with Student CD ROM Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Discrete-Time Signal Processing (3rd Edition) (Prentice-Hall Signal Processing Series) Signal Processing Algorithms in Fortran and C (Prentice-Hall Signal Processing Series) LabVIEW Digital Signal Processing: and Digital Communications Student Manual for Digital Signal Processing using MATLAB SBI: Advanced Word Processing Simulation (with CD-ROM) (Word Processing I) 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) Prentice hall literature (common core edition) (teachers edition grade 6) (Prentice Hall and Texas Instruments Digital Signal Processing Series) The Scientist & Engineer's Guide to Digital Signal Processing Schaums Outline of Digital Signal Processing, 2nd Edition (Schaum's Outlines) Think DSP: Digital Signal Processing in Python VLSI Digital Signal Processing Systems: Design and Implementation Digital Signal Processing and the Microcontroller Digital Signal Processing 4th Edition