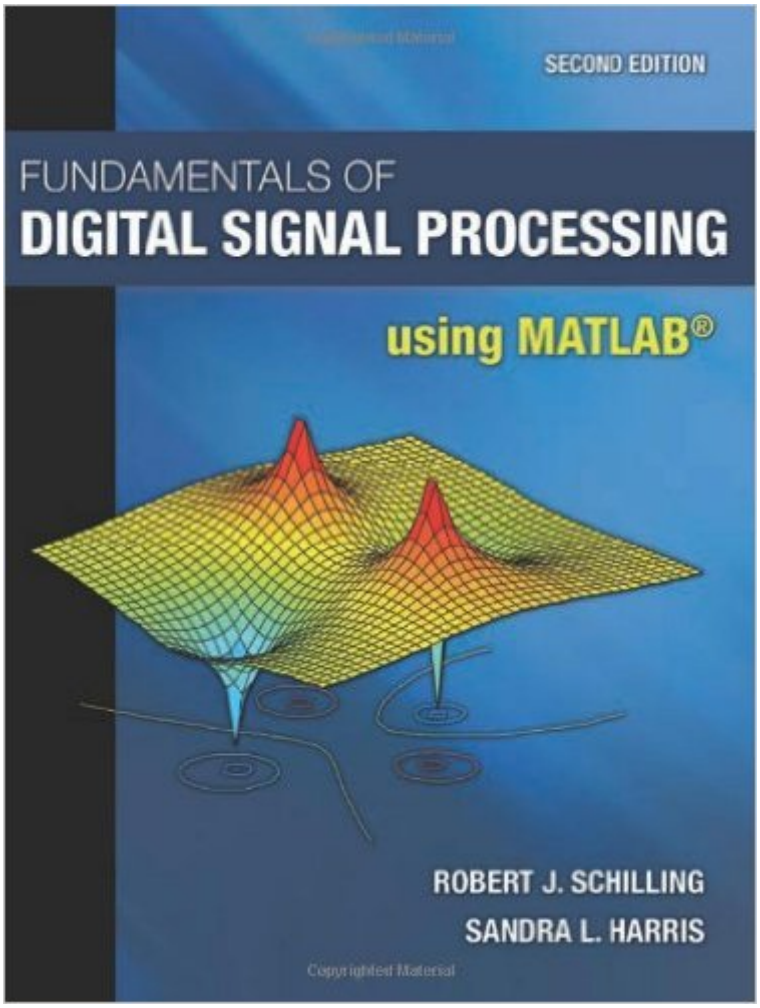
Fundamentals Of Digital Signal Processing Using MATLAB



Synopsis

This second edition text focuses on the fundamentals of digital signal processing with an emphasis on practical applications. In order to motivate students, many of the examples illustrate the processing of speech and music. This theme is also a focus of the course software that features facilities for recording and playing sound on a standard PC. The accompanying website contains a comprehensive MATLAB software package called the Fundamentals of Digital Signal Processing (FDSP) toolbox version 2.0. The FDSP toolbox includes chapter GUI modules, an extensive library of DSP functions, direct access to all of the computational examples, figures, and tables, solutions to selected problems, and onliine help documentation. Using the interactive GUI modules, students can explore, compare, and directly experience the effects of signal processing techniques without any need for programming.

Book Information

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Customer Reviews

I was looking forward to receiving this book. I'm now working with Matlab in my job, but I am not a programming expert. I had hoped that this book would bridge the gaps in my knowledge. However, the book is written in a very mathematical, hard-to-approach style. I'm no dummy, but I couldn't use this book in a practical way. I sent it back - the first thing I have EVER returned to . To 's credit, the return was super easy. As an alternative, give this one a look: Matlab for Engineers, by Holly Moore. I loved it!

MATLAB - Programming with MATLAB for Beginners - A Practical Introduction to Programming and Problem Solving (Matlab for Engineers, MATLAB for Scientists, Matlab Programming for Dummies) Fundamentals of Digital Signal Processing Using MATLAB Student Manual for Digital Signal Processing using MATLAB Digital Signal Processing Using MATLAB & Wavelets Multidimensional Digital Signal Processing (Prentice-Hall Signal Processing Series) Digital Signal Processing with Examples in MATLABÂ®, Second Edition (Electrical Engineering & Applied Signal Processing Series) Digital Signal Processing: with Selected Topics: Adaptive Systems, Time-Frequency Analysis, Sparse Signal Processing By John G. Proakis - Digital Signal Processing with MATLAB: 4th (fourth) Edition Discrete Systems and Digital Signal Processing with MATLAB, Second Edition MATLAB/Simulink for Digital Signal Processing 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 Fundamentals of Digital Signal Processing Digital Signal Processing: Fundamentals and Applications Digital Signal Processing, Second Edition: Fundamentals and Applications Practical Digital Signal Processing using Microcontrollers Digital Signal Processing Using the ARM Cortex M4 Biosignal and Medical Image Processing (Signal Processing and Communications)