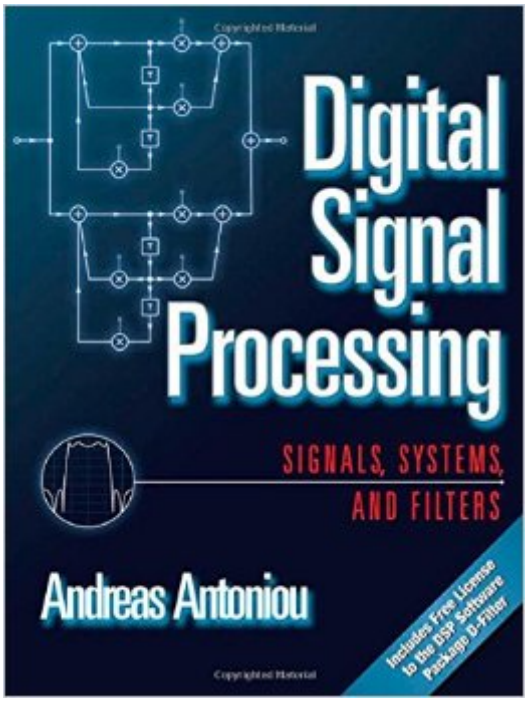
Digital Signal Processing: Signals, Systems, And Filters



Synopsis

An up-to-the-minute textbook for junior/senior level signal processing courses and senior/graduate level digital filter design courses, this text is supported by a DSP software package known as D-Filter which would enable students to interactively learn the fundamentals of DSP and digital-filter design. The book includes a free license to D-Filter which will enable the owner of the book to download and install the most recent version of the software as well as future updates.

Book Information

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Average Customer Review: 4.0 out of 5 starsÂ Â See all reviewsÂ (4 customer reviews)

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Customer Reviews

Well written with good explanations and examples. Good for reference. Why only 3 stars? Not even a partial answer key for the example problems. Since I buy books for self-study having answers in important to me. Any book, no matter how good, will not get more than 3 stars from me if there is no answer key. The purpose of books is to learn not to frustrate. I know instructors like this because it gives them a source of homework and test questions. Any teacher who cannot design their own test questions should find another line of work.

I have read the first four chapters, and it is sometimes tedious to follow with the summations after summations after fourier after fourier so that is why i didnt give this 5 stars, the authors clearly know what they are talking about. But since ive already been taught The first four chapters in multiple other texts, its less of a boon.

So far this book presents the material in a very clear fashion, most definitely geared for the engineering side of things, as the Fourier Transform is presented as originating from its close friends the Fourier Series and not distribution theory, where the FS is derived from the Fourier Transform. It is a great book for senior level work, not at the level of Openheim and Shaffer, but it provides a very clear and intuitive introduction to the topic. I will modify my review as I plow through it in preparation for the godfathers of signal processing.....

A very useful reference book. It has ton of information in the DSP field

Digital Signal Processing: Signals, Systems, and Filters Digital Signal Processing: with Selected Topics: Adaptive Systems, Time-Frequency Analysis, Sparse Signal Processing Digital filters (Prentice-Hall signal processing series) Multidimensional Digital Signal Processing (Prentice-Hall Signal Processing Series) Digital Signal Processing with Examples in MATLABÂ®, Second Edition (Electrical Engineering & Applied Signal Processing Series) Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Digital Signal Processing with Field Programmable Gate Arrays (Signals and Communication Technology) Signal Processing Algorithms in Fortran and C (Prentice-Hall Signal Processing Series) Discrete-Time Signal Processing (3rd Edition) (Prentice-Hall Signal Processing Series) Applied Signal Processing: A MATLABTM-Based Proof of Concept (Signals and Communication Technology (Paperback)) LabVIEW Digital Signal Processing: and Digital Communications VLSI Digital Signal Processing Systems: Design and Implementation First Principles of Discrete Systems and Digital Signal Processing (Addison-Wesley Series in Electrical Engineering) Discrete Systems and Digital Signal Processing with MATLAB, Second Edition Digital Signal Processing in Communications Systems Speech and Audio Signal Processing: Processing and Perception of Speech and Music Biosignal and Medical Image Processing (Signal Processing and Communications) Handbook of Neural Networks for Speech Processing (Artech House Signal Processing Library) Binary Polynomial Transforms and Non-Linear Digital Filters (Chapman & Hall/CRC Pure and Applied Mathematics) Applications of Digital Signal Processing to Audio and Acoustics (The Springer International Series in Engineering and Computer Science)