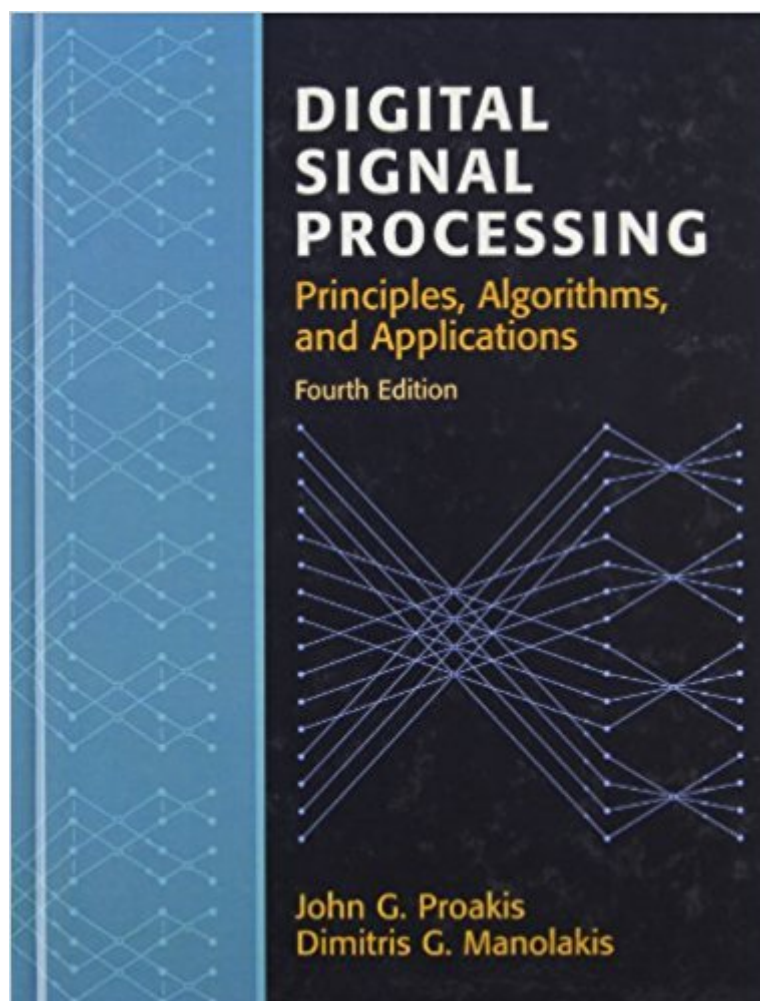The book was found

Digital Signal Processing (4th Edition)

Synopsis

A significant revision of a best-selling text for the introductory digital signal processing course. This book presents the fundamentals of discrete-time signals, systems, and modern digital processing and applications for students in electrical engineering, computer engineering, and computer science.The book is suitable for either a one-semester or a two-semester undergraduate level course in discrete systems and digital signal processing. It is also intended for use in a one-semester first-year graduate-level course in digital signal processing.

Book Information

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Average Customer Review: 4.1 out of 5 stars   40 customer reviews

Best Sellers Rank: #70,200 in Books (See Top 100 in Books)   #4 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > DSPs   #9 in Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Signal Processing #35 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Digital Design

Customer Reviews

This is a really well written and organized book. The development of the material follows a logical succession of topics, which makes this book a fantastic source to learn the subject from, and also a good reference for those that already know the subject matter. The reason for only 4/5 stars is mostly due to the poor coverage of terms in the index, which makes it hard to find where a particular concept is first introduced and defined. This is likely more of a problem for a DSP novice like me in trying to use the book as a reference. There are also numerous typographical errors in cross references and formulas in problem definitions, which I would have expected to be corrected by the 4th edition.

While very easy to read and understand, the material covered is presented with sufficient depth.

Practical examples and applications of material presented throughout the entire work.

Great explanation for every fundamental concepts. For instance, authors give a deep introduction about the background and purpose of Fourier Series and transform in Ch 4. The book demonstrates great details of Fourier Transform by constructing from mathematic components to a whole picture of Fourier Transform.This textbook explains almost everything and provides much more details than the current textbook I am using in UCLA. I guess this textbook also much better than most textbooks, since most textbooks don't even bother to cover the real fundamental concepts.However, as I reading along ch.4, there are many typo, but they all format problems so far. Ex. superscript, "x2" = x*x. integration from nothing to w, because it's lower limit become part of integral value.But still, this is a great book without a doubt!!!

Great for beginning Engineering students. Very well written book.

The reader is better to have some background on DSP, such as Signal Processing First by McClellan, prior to study this book. This book provides more theories, examples and much more problem assignments which won't exist in elementary DSP books. Fortunately, one could find a problem solution guide in.pdf format. I applied the MathCAD 14.0 to solve the problem assignments and found a couple of typing errors in the solution guide. I also worked on some examples and the following work proved the "typing error" I found recently:For example, Example 9.3.1 (pg.594): I found two "typing errors" in nominators of recombining pairs of poles in H(z). The first numerator should be "-14.747+12.893z^-1" and the second numerator should be "24.708+2.343z^-1" rather than "-14.75-12.90z^-1" and "24.50+26.82z^-1". Hence, the A1, A2, A3 and A3* are correct--after verifying with MathCAD 14.0. I simply applied the "invztrans" function to transform the H(z) equation to corresponding h(n) counterpart, applies the plots of pole-zero, Impulse Response, and/or Frequency Response. The plots of Impulse Response of h(n) verified my correction.The solution manual is a great helper on assisting me to work on more problem assignments with confidence--It's the reason why I decided to purchase this textbook rather than other advance DSP books.I strongly recommend this textbook to those readers plan to learn more on studying the DSP technology.

Poor book assembly. The hard bound book is very fragile, the spine is not glued correctly and the whole book is fragile, purchase the soft copy book instead, much stronger binding and 1/3rd the price.

Although the content is same as I expected the book is thicker and has different paper type which makes the book not easy to use and strong enough.This was acceptable because of low price. Also the book was clean as described.

it is a clone of the book, it isnt the original book.

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