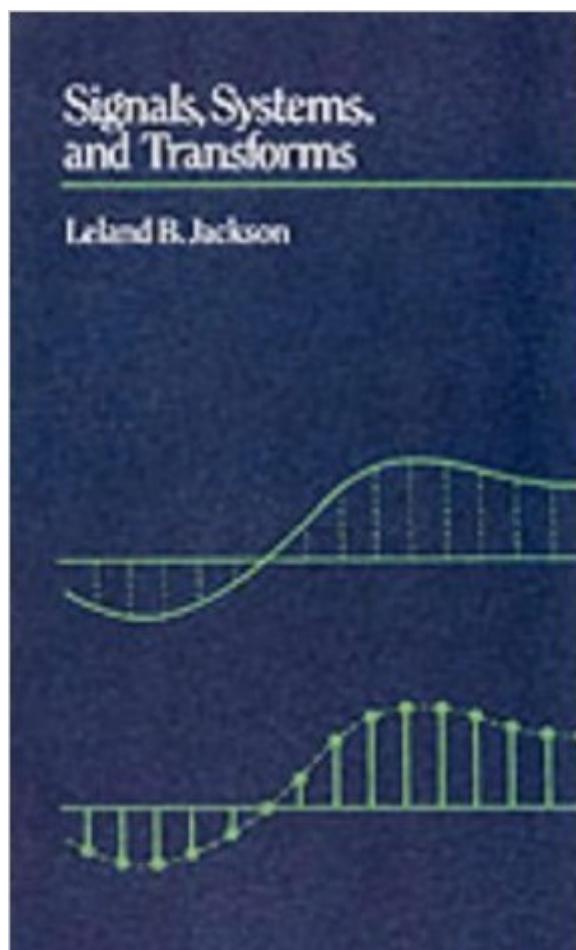


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Signals, Systems, And Transforms



Synopsis

This textbook provides a modern treatment of signals and systems. It presents the basic concepts and analytical tools in an exceptionally well-written and organized format. Its unique feature is the clearly marked modular structure, which gives the instructor superior flexibility when choosing sequential or integrated coverage.

Book Information

Paperback: 496 pages

Publisher: Addison-Wesley Publishing Company; 1 edition (July 11, 1991)

Language: English

ISBN-10: 0201095890

ISBN-13: 978-0201095890

Product Dimensions: 6 x 1.2 x 9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

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Customer Reviews

At under 500 pages, this is a concise book on Transforms and Signal Processing. It makes an excellent reference for those beginning DSP or Telecommunications courses. I particularly find the tables within the book helpful when remembering transform rules. Make no mistake, this is a hard subject, but having studied under Leland Jackson, and having moved on to graduate courses in probability and DSP, I've found this text exceedingly useful.

Jackson's clear and concise text is the best example I know of of what an EE textbook can be, given the varied (and poor) backgrounds of junior EE students in the 2000's. He manages to get right to the main points, by introducing the pertinent theoretical and physical concepts with a minimum of distracting (and irrelevant) algebraic details. There is a perfect balance of 'theory' and 'examples' to enable any serious and literate EE undergraduate to master the basic concepts and ideas of Fourier transforms, Fourier series, Laplace transforms, and related continuous-time systems. Jackson's treatment of the DFT and its variants, as well as its relationship to the

continuous-time transforms, is superior to all of the competing EE texts, and there are MANY!, that I have seen over the past 15 years. The book is a good size to actually USE, in stark contrast to the voluminous, inflated cartoon picture books/encyclopedias that try to pass as student 'textbooks'.

Homework problems are very difficult with only the reading in the book

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