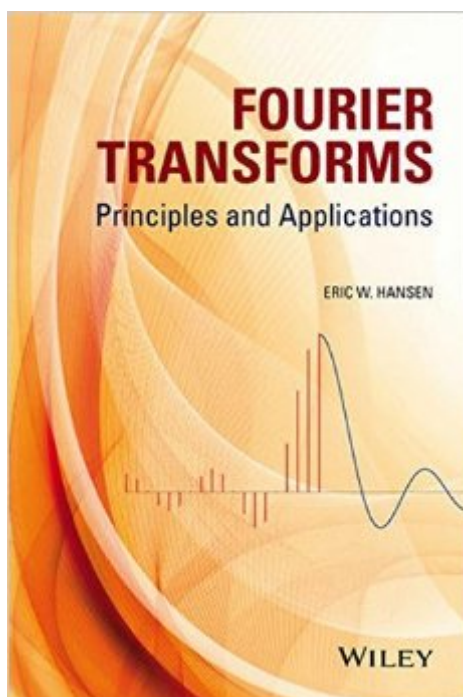# Fourier Transforms: Principles And Applications

Synopsis

Fourier Transforms: Principles and Applications explains transform methods and their applications to electrical systems from circuits, antennas, and signal processorsâ "ably guiding readers from vector space concepts through the Discrete Fourier Transform (DFT), Fourier series, and Fourier transform to other related transform methods. Featuring chapter end summaries of key results, over two hundred examples and four hundred homework problems, and a Solutions Manual this book is perfect for graduate students in signal processing and communications as well as practicing engineers. Class-tested at Dartmouth Provides the same solid background as classic texts in the field, but with an emphasis on digital and other contemporary applications to signal and image processing Modular coverage of material allows for topics to be covered by preference MATLAB files and Solutions Manual available to instructors Over 300 figures, 200 worked examples, and 432 homework problems

Book Information

Hardcover: 776 pages

Publisher: Wiley; 1 edition (September 22, 2014)

Language: English

ISBN-10: 1118479149

ISBN-13: 978-1118479148

Product Dimensions: 6.5 x 1.8 x 9.6 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

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