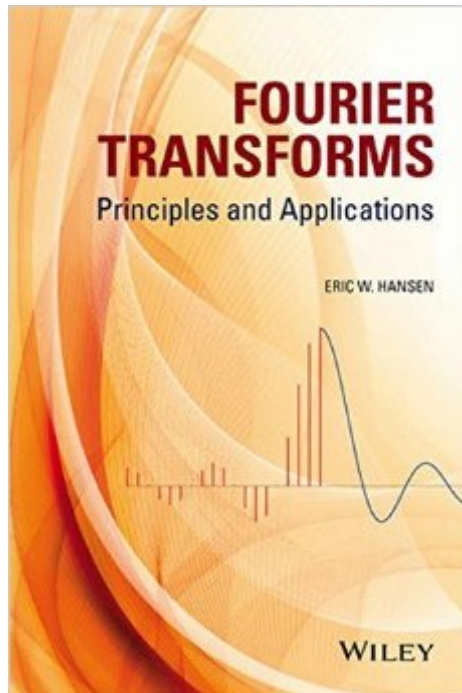# Fourier Transforms: Principles And Applications

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)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #923,652 in Books (See Top 100 in Books)   #754 inÂ Books > Science & Math > Mathematics > Mathematical Analysis   #1174 inÂ Books > Textbooks > Science & Mathematics > Mathematics > Calculus   #1963 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Calculus

Download to continue reading...

Fourier Transforms: Principles and Applications An Introduction to Laplace Transforms and Fourier Series (Springer Undergraduate Mathematics Series) A Student's Guide to Fourier Transforms Fourier Analysis and Its Applications (Pure and Applied Undergraduate Texts) Schaum's Outline of Fourier Analysis with Applications to Boundary Value Problems Schaum's Outline of Fourier Analysis with Applications to Boundary Value Problems (Schaum's Outlines) Binary Polynomial Transforms and Non-Linear Digital Filters (Chapman & Hall/CRC Pure and Applied Mathematics)

Signals, Systems, and Transforms Signals, Systems, and Transforms (4th Edition) Daring Greatly: By Brene Brown --- A Full Summary & More! -- How the Courage to Be Vulnerable Transforms the Way We Live, Love, Parent, and Lead (Daring ... Audiobook, Paperback, Cd, Hardcover) Found in Translation: How Language Shapes Our Lives and Transforms the World Writing as a Way of Healing: How Telling Our Stories Transforms Our Lives Hadamard Transforms (SPIE Press Monograph Vol. PM207) The Complete Works of Herbert Spencer: The Principles of Psychology, The Principles of Philosophy, First Principles and More (6 Books With Active Table of Contents) Ergonomics: Foundational Principles, Applications, and Technologies (Ergonomics Design & Management Theory & Applications) Fourier Series and Boundary Value Problems (Brown and Churchill) Handbook of Fourier Transform Raman and Infrared Spectra of Polymers, Volume 45 (Physical Sciences Data) Applied Partial Differential Equations with Fourier Series and Boundary Value Problems (5th Edition) (Featured Titles for Partial Differential Equations) Applied Partial Differential Equations: With Fourier Series and Boundary Value Problems, 4th Edition An introduction to nonharmonic Fourier series, Volume 93 (Pure and Applied Mathematics)