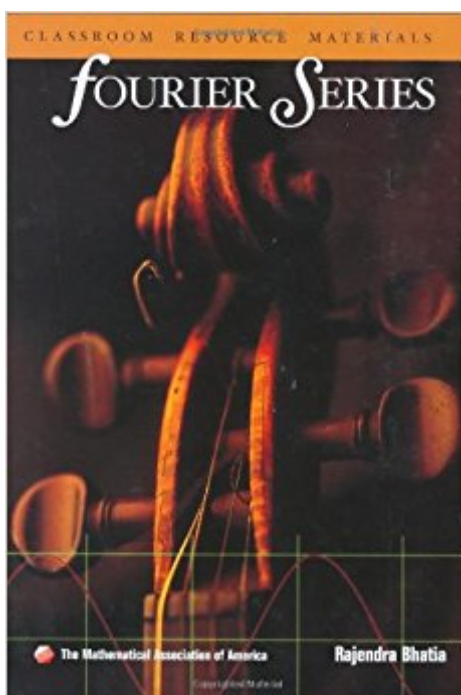


The book was found

Fourier Series (Mathematical Association Of America Textbooks)



Synopsis

This is a concise introduction to Fourier series covering history, major themes, theorems, examples, and applications. It can be used for self study, or to supplement undergraduate courses on mathematical analysis. Beginning with a brief summary of the rich history of the subject over three centuries, the reader will appreciate how a mathematical theory develops in stages from a practical problem (such as conduction of heat) to an abstract theory dealing with concepts such as sets, functions, infinity, and convergence. The abstract theory then provides unforeseen applications in diverse areas. Exercises of varying difficulty are included throughout to test understanding. A broad range of applications are also covered, and directions for further reading and research are provided, along with a chapter that provides material at a more advanced level suitable for graduate students.

Book Information

Series: Mathematical Association of America Textbooks

Hardcover: 120 pages

Publisher: The Mathematical Association of America (December 15, 2004)

Language: English

ISBN-10: 0883857405

ISBN-13: 978-0883857403

Product Dimensions: 6.8 x 0.7 x 9.7 inches

Shipping Weight: 15.2 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,639,772 in Books (See Top 100 in Books) #104 in Books > Science & Math > Mathematics > Infinity #1140 in Books > Science & Math > Physics > Mathematical Physics #1315 in Books > Science & Math > Mathematics > Mathematical Analysis

Customer Reviews

A pleasure to read. I will use this book as a supplemental text in my PDE courses. -- Roger

Thelwell, SIAM Review
A very readable introduction to Fourier Series suitable for scientists and engineers. -- Kenneth A. Ross, University of Oregon, Eugene

This is a concise introduction to Fourier series covering history, major themes, theorems, examples, and applications. It can be used for self study, and to supplement, enhance, and embellish undergraduate courses on mathematical analysis. Exercises of varying levels of difficulty are scattered throughout the book to test understanding.

[Download to continue reading...](#)

Fourier Series (Mathematical Association of America Textbooks) Number Theory Through Inquiry (Maa Textbooks) (Mathematical Association of America Textbooks) Mathematical Interest Theory (Mathematical Association of America Textbooks) A Course in Mathematical Modeling (Mathematical Association of America Textbooks) Real Infinite Series (Classroom Resource Material) (Mathematical Association of America Textbooks) Non-Euclidean Geometry (Mathematical Association of America Textbooks) Thinking Geometrically: A Survey of Geometries (Mathematical Association of America Textbooks) Knot Theory (Mathematical Association of America Textbooks) Cryptological Mathematics (Mathematical Association of America Textbooks) Principles of Fourier Analysis, Second Edition (Textbooks in Mathematics) Fourier Series and Integrals (Probability and Mathematical Statistics) Harmonic Analysis: From Fourier to Wavelets (Student Mathematical Library) Bath Planning: Guidelines, Codes, Standards (National Kitchen & Bath Association (NKBA) Professional Library Series) (National Kitchen & Bath Association (NKBA) Professional Library Series) Chance, Strategy, and Choice: An Introduction to the Mathematics of Games and Elections (Cambridge Mathematical Textbooks) Bayesian Filtering and Smoothing (Institute of Mathematical Statistics Textbooks) Chaos: An Introduction to Dynamical Systems (Textbooks in Mathematical Sciences) Chaotic Dynamics: Fractals, Tilings, and Substitutions (Cambridge Mathematical Textbooks) Understanding Nonlinear Dynamics (Textbooks in Mathematical Sciences) Exploring Mathematics: An Engaging Introduction to Proof (Cambridge Mathematical Textbooks) Introduction to Mathematical Proofs: A Transition (Textbooks in Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)