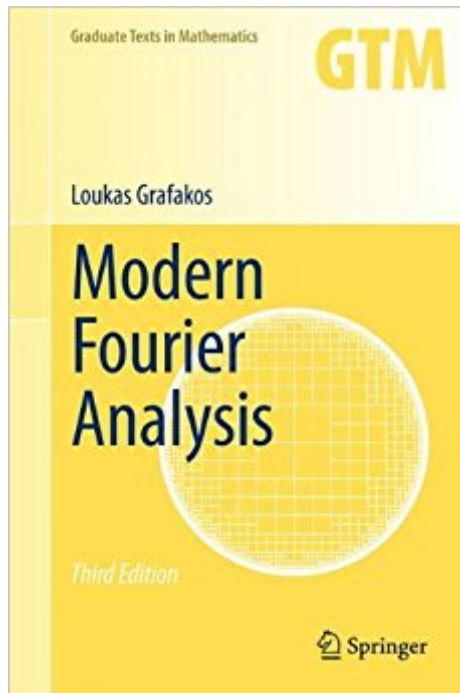




Ebook Directory
the best source of ebook

The book was found

Modern Fourier Analysis (Graduate Texts In Mathematics)



Synopsis

This text is aimed at graduate students in mathematics and to interested researchers who wish to acquire an in depth understanding of Euclidean Harmonic analysis. The text covers modern topics and techniques in function spaces, atomic decompositions, singular integrals of nonconvolution type and the boundedness and convergence of Fourier series and integrals. The exposition and style are designed to stimulate further study and promote research. Historical information and references are included at the end of each chapter. This third edition includes a new chapter entitled "Multilinear Harmonic Analysis" which focuses on topics related to multilinear operators and their applications. Sections 1.1 and 1.2 are also new in this edition. Numerous corrections have been made to the text from the previous editions and several improvements have been incorporated, such as the adoption of clear and elegant statements. A few more exercises have been added with relevant hints when necessary.

Book Information

Series: Graduate Texts in Mathematics (Book 250)

Hardcover: 624 pages

Publisher: Springer; 3rd ed. 2014 edition (November 14, 2014)

Language: English

ISBN-10: 1493912291

ISBN-13: 978-1493912292

Product Dimensions: 6.1 x 1.4 x 9.2 inches

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

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,105,843 in Books (See Top 100 in Books) #77 in [Books > Science & Math > Mathematics > Infinity](#) #238 in [Books > Science & Math > Mathematics > Pure Mathematics > Functional Analysis](#) #922 in [Books > Science & Math > Mathematics > Mathematical Analysis](#)

Customer Reviews

“The most up-to-date account of the most important developments in the area. It has to be pointed out that the hard ones usually come with a good hint, which makes the book suitable for self-study, especially for more motivated students. That being said, the book provides a good reference point for seasoned researchers as well.” (Atanas G. Stefanov, Mathematical Reviews, August, 2015)

This text is addressed to graduate students in mathematics and to interested researchers who wish to acquire an in depth understanding of Euclidean Harmonic analysis. The text covers modern topics and techniques in function spaces, atomic decompositions, singular integrals of nonconvolution type, and the boundedness and convergence of Fourier series and integrals. The exposition and style are designed to stimulate further study and promote research. Historical information and references are included at the end of each chapter. This third edition includes a new chapter entitled "Multilinear Harmonic Analysis" which focuses on topics related to multilinear operators and their applications. Sections 1.1 and 1.2 are also new in this edition. Numerous corrections have been made to the text from the previous editions and several improvements have been incorporated, such as the adoption of clear and elegant statements. A few more exercises have been added with relevant hints when necessary.

Reviews from the Second Edition:

“The books cover a large amount of mathematics. They are certainly a valuable and useful addition to the existing literature and can serve as textbooks or as reference books. Students will especially appreciate the extensive collection of exercises.”

— Andreas Seeger, *Mathematical Reviews*

“The exercises at the end of each section supplement the material of the section nicely and provide a good chance to develop additional intuition and deeper comprehension. The historical notes in each chapter are intended to provide an account of past research as well as to suggest directions for further investigation. The volume is mainly addressed to graduate students who wish to study harmonic analysis.”

— Leonid Golinskii, *zbMATH*

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

Modern Fourier Analysis (Graduate Texts in Mathematics) Classical Fourier Analysis (Graduate Texts in Mathematics) Fourier Analysis (Graduate Studies in Mathematics) Matrix Analysis (Graduate Texts in Mathematics) Fourier Analysis and Its Applications (Pure and Applied Undergraduate Texts) Modern Geometry — Methods and Applications: Part I: The Geometry of Surfaces, Transformation Groups, and Fields (Graduate Texts in Mathematics) (Pt. 1) Random Fourier Series with Applications to Harmonic Analysis. (AM-101), Volume 101 (Annals of Mathematics Studies) Fourier Analysis on Groups (Dover Books on Mathematics) Principles of Fourier Analysis, Second Edition (Textbooks in Mathematics) Fourier Analysis: An Introduction (Princeton Lectures in Analysis) Graph Theory (Graduate Texts in Mathematics) Algebraic Graph Theory (Graduate Texts in Mathematics) Matroid Theory (Oxford Graduate Texts in Mathematics) Functions of One Complex Variable II (Graduate Texts in Mathematics, Vol. 159) Riemann Surfaces

(Oxford Graduate Texts in Mathematics) Commutative Algebra: with a View Toward Algebraic
Geometry (Graduate Texts in Mathematics) The Arithmetic of Elliptic Curves (Graduate Texts in
Mathematics) Differential Geometry: Connections, Curvature, and Characteristic Classes (Graduate
Texts in Mathematics) Algebraic Geometry (Graduate Texts in Mathematics) Categories for the
Working Mathematician (Graduate Texts in Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)