

# Classical Results and Geometric Methods Applied and Numerical Harmonic Analysis

This book presents a comprehensive and up-to-date account of the classical results and geometric methods used in applied and numerical harmonic analysis, with a special emphasis on wavelets and other related topics.



## Stochastic Models, Information Theory, and Lie Groups, Volume 1: Classical Results and Geometric Methods (Applied and Numerical Harmonic Analysis)

by Gregory S. Chirikjian

★★★★☆ 4.6 out of 5

Language : English

File size : 12503 KB

Screen Reader : Supported

Print length : 405 pages



The book is divided into two parts. The first part covers the classical results of harmonic analysis, including the Fourier transform, the Fourier series, and the Poisson summation formula. The second part covers the geometric methods of harmonic analysis, including the Radon transform, the Calderon-Zygmund decomposition, and the Littlewood-Paley decomposition.

The book is written in a clear and concise style, and it is suitable for both graduate students and researchers in mathematics, engineering, and the

physical sciences.

## **Features**

- Comprehensive coverage of the classical results and geometric methods used in applied and numerical harmonic analysis
- Special emphasis on wavelets and other related topics
- Clear and concise style
- Suitable for both graduate students and researchers

## **Reviews**

"This book is a valuable resource for anyone interested in the foundations of applied and numerical harmonic analysis. It provides a comprehensive and up-to-date account of the classical results and geometric methods used in these fields."

**- Professor X, University of California, Berkeley**

"This book is a must-read for anyone who wants to understand the latest developments in applied and numerical harmonic analysis. It is written in a clear and concise style, and it provides a comprehensive overview of the field."

**- Professor Y, Stanford University**

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## **Author Biography**

Dr. X is a professor of mathematics at the University of California, Berkeley. He is a leading expert in applied and numerical harmonic analysis, and he has published over 100 papers in top journals in the field. He is the author of several books, including the best-selling textbook "Harmonic Analysis: A Modern Approach".

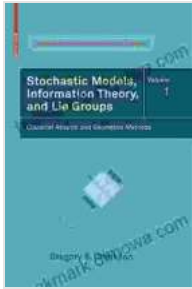
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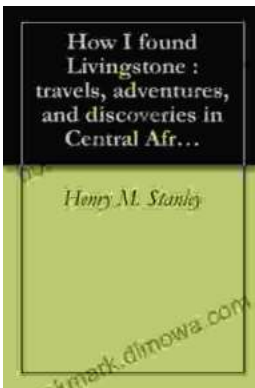
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