

New and Forthcoming

Stochastic Models, Information Theory, and Lie Groups, Volume I

Classical Results and
Geometric Methods

Gregory S. Chirikjian, The Johns Hopkins
University, Baltimore, MD, USA

The subjects of stochastic processes, information theory, and Lie groups are found in a wide variety of problems in engineering and applied science. Usually, however, they are treated separately from each other. This unique textbook presents these topics in a unified setting, thereby building bridges between fields that are rarely studied by the same individuals.

2009. APPROX. 410 P. 14 ILLUS. HARDCOVER
ISBN 978-0-8176-4802-2 CA. \$ 54.95

APPLIED AND NUMERICAL HARMONIC ANALYSIS

Mathematics for Multimedia

M. Victor Wickerhauser, Washington
University, St. Louis, MO, USA

This textbook presents the mathematics that is foundational to multimedia applications. Featuring a rigorous survey of selected results from algebra and analysis, the work examines tools used to create application software for multimedia signal processing and communication.

2009. APPROX. 310 P. 50 ILLUS. HARDCOVER
ISBN 978-0-8176-4879-4 CA. \$59.95

APPLIED AND NUMERICAL HARMONIC ANALYSIS

Four Short Courses on Harmonic Analysis

Wavelets, Frames, Time-Frequency
Methods, and Applications to
Signal and Image Analysis

Peter Massopust, Helmholtz Zentrum
München, Germany; **Brigitte Forster-
Heinlein**, Technische Universität München,
Germany (Eds.)

Written by internationally renowned mathematicians, the interdisciplinary chapters have expository character, allowing the reader to understand the theory behind modern image and signal processing methodologies.

2009. APPROX. 305 P. 40 ILLUS. HARDCOVER
ISBN 978-0-8176-4890-9 CA. \$ 49.95
APPLIED AND NUMERICAL HARMONIC ANALYSIS

Recent Developments in Real and Harmonic Analysis

In Honor of Carlos Segovia

Carlos Cabrelli, University of Buenos Aires,
Argentina; **José Luis Torrea**, Universidad
Autónoma de Madrid, Spain (Eds.)

Contributors include: H. Aimar,
A. Bonami, O. Blasco, L. Caffarelli,
A. de la Torre, L. Forzani, C. Gutierrez,
E. Harboure, E. Hernández, C. Kenig,
R. Macías, F.J. Marín-Reyes.

2009. APPROX. 215 P. 13 ILLUS. HARDCOVER
ISBN 978-0-8176-4531-1 CA. \$ 119.00
APPLIED AND NUMERICAL HARMONIC ANALYSIS

CALL: 1-800-777-4643 • FAX: (201) 348-4505 • E-MAIL: orders@birkhauser.com • www.birkhauser.com

Please mention promotion #014267 when ordering. Prices are valid in the Americas only and are subject to change without notice. For price and ordering information outside the Americas, please contact Birkhäuser Verlag AG by

E-mail: orders@birkhauser.ch

014267x