

Contents

Contributors	ix
Preface	xi
Wavelets on Closed Subsets of the Real Line <i>L. Andersson, N. Hall, B. Jawerth, and G. Peters</i>	1
Estimates on Green's Kernel Using Wavelets and Applications <i>P. Auscher and Ph. Tchamitchian</i>	63
Wavelet Refinement of the Wilson Recursion Formula <i>Guy Battle</i>	87
Wavelet Decomposition of One and Several Dimensional Gaussian Processes <i>Albert Benassi and Stéphane Jaffard</i>	119
On Multi-frequency Wavelet Decompositions <i>Charles K. Chui and Xianliang Shi</i>	155
Multiscale Methods for Pseudodifferential Equations <i>W. Dahmen, S. Prössdorf, and R. Schneider</i>	191
Two Recent Results on Wavelets: Wavelet Bases for the Interval, and Biorthogonal Wavelets Diagonalizing the Derivative Operator <i>Ingrid Daubechies</i>	237
Smooth Wavelet Decompositions with Blocky Coefficient Kernels <i>David L. Donoho</i>	259
From Wavelets to Time-Scale Energy Distributions <i>Patrick Flandrin and Paulo Gonçalves</i>	309
Spectral Radius Formulas for Subdivision Operators <i>T. N. T. Goodman, Charles A. Micchelli, and J. D. Ward</i>	335
Subject Index	361