

Contents

Preface	vii
List of speakers	ix
How to construct wavelet frames on irregular grids and arbitrary dilations in \mathbb{R}^d by AKRAM ALDROUBI, CARLOS CABRELLI and URSULA M. MOLTER	1
An analogue of Bratteli-Jorgensen loop group actions for GMRA's by L. W. BAGGETT, P. E. T. JORGENSEN, K. D. MERRILL and J. A. PACKER	11
Examples of wavelets for local fields by ROBERT L. BENEDETTO	27
The spectral function of shift-invariant spaces on general lattices by MARCIN BOWNIK and ZIEMOWIT RZESZOTNIK	49
Custom building finite frames by PETER G. CASAZZA	61
Frames of subspaces by PETER G. CASAZZA and GITTA KUTYNIOK	87
The local trace function for super-wavelets by DORIN ERVIN DUTKAY	115
Recovery of band-limited functions on manifolds by an iterative algorithm by HANS FEICHTINGER and ISAAC PESENSON	137
On a characterization of the local Hardy space by Gabor frames by JOHN E. GILBERT and JOSEPH D. LAKEY	153
Riesz bases, multiresolution analyses, and perturbation by ALFREDO L. GONZÁLEZ and RICHARD A. ZALIK	163
The existence of Gabor bases and frames by DEGUANG HAN and YANG WANG	183
Co-affine systems in \mathbb{R}^d by BRODY DYLAN JOHNSON	193

Rank-one decomposition of operators and construction of frames by KERI A. KORNELSON and DAVID R. LARSON	203
An approach to the study of wave packet systems by DEMETRIO LABATE, GUIDO WEISS and EDWARD WILSON	215
Convolution for Gabor systems and Newton's method by M. C. LAMMERS	237
Wavelets, wavelet sets, and linear actions on \mathbb{R}^n by GESTUR ÓLAFSSON and DARRIN SPEEGLE	253
Orthonormalized coherent states by ALEXANDER M. POWELL	283
Localization of stability and p -frames in the Fourier domain by QIYU SUN	299
Orthonormal wavelets arising from HDAFs by JIANSHENG YANG, LIXIN SHEN, MANOS PAPADAKIS, IOANNIS KAKADIARIS, DONALD J. KOURI and DAVID K. HOFFMAN	317