Contents

Preface	vii
Participants of the AMS Special Session "Frames, Wavelets and Gabor Systems"	ix
Participants of the AMS Special Session "Frames, Harmonic Analysis, and Operator Theory"	xi
Constructions of biangular tight frames and their relationships with equiangular tight frames JAMESON CAHILL, PETER G. CASAZZA, JOHN I. HAAS, AND JANET TREMAIN	1
Phase retrieval by hyperplanes SARA BOTELHO-ANDRADE, PETER G. CASAZZA, DESAI CHENG, JOHN HAAS, TIN T. TRAN, JANET C. TREMAIN, and ZHIQIANG XU	21
Tight and full spark Chebyshev frames with real entries and worst-case coherence analysis DAVID ELLIS, ERIC HAYASHI, and SHIDONG LI	33
Fusion frames and distributed sparsity ROZA ACESKA, JEAN-LUC BOUCHOT, and SHIDONG LI	47
The Kadison-Singer problem MARCIN BOWNIK	63
Spectral properties of an operator polynomial with coefficients in a Banach algebra ANATOLY G. BASKAKOV and ILYA A. KRISHTAL	93
The Kaczmarz algorithm, row action methods, and statistical learning algorithms XUEMEI CHEN	115
Lipschitz properties for deep convolutional networks RADU BALAN, MANEESH SINGH, and DONGMIAN ZOU	129
Invertibility of graph translation and support of Laplacian Fiedler vectors MATTHEW BEGUÉ and KASSO A. OKOUDJOU	153
Weighted convolution inequalities and Beurling density JEAN-PIERRE GABARDO	175

vi CONTENTS

p-Riesz bases in quasi shift invariant spaces Laura De Carli and Pierluigi Vellucci	201
On spectral sets of integers DORIN ERVIN DUTKAY and ISABELLE KRAUS	215
Spectral fractal measures associated to IFS's consisting of three contraction mappings IAN LONG	235
A matrix characterization of boundary representations of positive matrices in the Hardy space JOHN E. HERR, PALLE E. T. JORGENSEN, and ERIC S. WEBER	255
Gibbs effects using Daubechies and Coiflet tight framelet systems MUTAZ MOHAMMAD and EN-BING LIN	271
Conditions on shape preserving of stationary polynomial reproducing subdivision schemes YEON HYANG KIM	283
W-Markov measures, transfer operators, wavelets and multiresolutions DANIEL ALPAY, PALLE JORGENSEN, and IZCHAK LEWKOWICZ	293