

Contents

Preface	v
List of participants of IWOTA-2000	xi
<i>D. Alpay, T. Ya. Azizov, A. Dijksma, H. Langer</i>	
The Schur algorithm for generalized Schur functions I: coisometric realizations	1
<i>J. A. Ball, V. Vinnikov</i>	
Hardy spaces on a finite bordered Riemann surface, multivariable operator model theory and Fourier analysis along a unimodular curve	37
<i>L. Baratchart, V. A. Prokhorov, E. B. Saff</i>	
On Hankel operators associated with Markov functions	57
<i>M. Birman, T. Suslina</i>	
Threshold effects near the lower edge of the spectrum for periodic differential operators of mathematical physics	71
<i>A. Böttcher, Yu. I. Karlovich</i>	
Cauchy's singular integral operator and its beautiful spectrum	109
<i>I. Chalendar, J. Leblond, J. R. Partington</i>	
Approximation problems in some holomorphic spaces, with applications ...	143
<i>L. A. Coburn</i>	
The Bargmann isometry and Gabor–Daubechies wavelet localization operators	169
<i>R. Curtain, G. Weiss, M. Weiss</i>	
Stabilization of irrational transfer functions by controllers with internal loop	179
<i>K. R. Davidson</i>	
Free Semigroup Algebras. A Survey	209
<i>R. G. Douglas, G. Misra, C. Varughese</i>	
Some geometric invariants from resolutions of Hilbert modules	241
<i>J. Eschmeier, M. Putinar</i>	
Some remarks on spherical isometries	271
<i>S. H. Ferguson</i>	
Higher-order Hankel forms and cohomology groups	293
<i>C. Foias, A. E. Frazho, M. A. Kaashoek</i>	
A weighted version of almost commutant lifting	311
<i>Y. Latushkin, R. Shvydkoy</i>	
Hyperbolicity of semigroups and Fourier multipliers	341
<i>A. V. Megretski</i>	
Relaxations of quadratic programs in operator theory and system analysis .	365

<i>F. Nazarov, S. Treil, A. Volberg</i>	
Bellman function in stochastic control and harmonic analysis	393
<i>A. G. Poltoratski</i>	
Integral representations and uniqueness sets for star-invariant subspaces ...	425
<i>O. J. Staffans</i>	
Well-posed linear systems, Lax–Phillips scattering, and L^p -multipliers	445
<i>S. M. Verduyn Lunel</i>	
Spectral theory for delay equations	465
<i>D. Yafaev</i>	
On a singular perturbation of a multiplication operator	509