

Contents

Editorial Introduction	vii
Scientific Life of António Ferreira dos Santos	ix
List of Participants of WOAT 2012	xi

WOAT 2012 – Contributed Articles

<i>P. Ara, F. Lledó and D.V. Yakubovich</i> Følner Sequences in Operator Theory and Operator Algebras	1
<i>M.A. Bastos, A. Bravo, Y.I. Karlovich and I.M. Spitkovsky</i> On the Factorization of Some Block Triangular Almost Periodic Matrix Functions	25
<i>M.A. Bastos, C.A. Fernandes and Y.I. Karlovich</i> A C^* -algebra of Singular Integral Operators with Shifts Similar to Affine Mappings	53
<i>R. Abreu Blaya, J. Bory Reyes and B. Schneider</i> On Cauchy Type Integrals Related to the Cimmino System of Partial Differential Equations	81
<i>L.F. Campos, A.B. Lebre, R.C. Marreiros and J.S. Rodríguez</i> Singular Integral Operators with Linear Fractional Shifts on the Unit Circle	93
<i>L.P. Castro, R. Duduchava and F.-O. Speck</i> Diffraction from Polygonal-Conical Screens, An Operator Approach	113
<i>F. Deringoz, V.S. Guliyev and S. Samko</i> Boundedness of the Maximal and Singular Operators on Generalized Orlicz-Morrey Spaces	139
<i>D. Dragičević, G. Preto, P.A. Santos and M. Szamotulski</i> On a Question by Markus Seidel	159
<i>R. Exel</i> Invertibility in Groupoid C^* -algebras	173

<i>A. Yu. Karlovich</i>	
Boundedness of Pseudodifferential Operators on Banach Function Spaces	185
<i>V.G. Kravchenko and R.C. Marreiros</i>	
On the Dimension of the Kernel of a Singular Integral Operator with Shift	197
<i>A. Kufner</i>	
Inequalities Against Equations?	221
<i>A. Kuznetsova</i>	
C^* -algebra Generated by Mapping Which Has Finite Orbits	229
<i>N.S. Larsen</i>	
On Spectral Subspaces and Inner Endomorphisms of Some Semigroup Crossed Products	243
<i>A. Ilkhanizadeh Manesh and A. Armandnejad</i>	
Ut-Majorization on \mathbb{R}^n and its Linear Preservers	253
<i>S. Mendes</i>	
Arithmetic Aspect of $C_r^*SL(2)$	261
<i>L.-E. Persson and N. Samko</i>	
Inequalities and Convexity	279
<i>S. Roch</i>	
On a Question by M. Seidel and the Answer by D. Dragičević et al.	307
<i>S. Roch and P.A. Santos</i>	
A Tour to Compact Type Operators and Sequences Related to the Finite Sections Projection	311
<i>S. Samko and M.U. Yakhshiboev</i>	
A Chen-type Modification of Hadamard Fractional Integro-Differentiation	325
<i>M. Semenov-Tian-Shansky</i>	
Poisson Geometry of Difference Lax Operators and Difference Galois Theory	341
<i>S. Umarkhadzhiev</i>	
The Boundedness of the Riesz Potential Operator from Generalized Grand Lebesgue Spaces to Generalized Grand Morrey Spaces	363