

Contents

Preface	1
<i>S. Kaijser</i> My Young Friend Lars-Erik Persson	7
<i>A. Abylayeva, A. Otegen, and M. Muratbekov</i> Two-Sided Estimate of the Weyl-Type Operator for $p > q$	11
<i>J. J. Ágotnes, E. Entner, and G. Beeri Mauseth</i> Predicting Tensile Modulus with Known Local Material Properties of FDM 3D Printed Parts	16
<i>F. Altomare</i> Local Approximation Problems and Korovkin-Type Theorems in Function Spaces: A Short Survey	20
<i>G. Aras-Gazić, J. Jakšetić, R. Mikić, J. Pečarić, and A. Vukelić</i> Extensions of Classical Inequalities for Divided Differences	33
<i>D. Baramidze</i> Martingale Hardy Spaces and Maximal Operators Associated to Walsh–Fejér Means	37
<i>B. Birnik, A. B. T. Barbaro, S. Subbey, W. Singh, H. Murphy, and S. Alrabeei</i> Prediction of Accelerated Melting of the Northeast Greenland Ice Sheet	41
<i>G. A. Chechkin</i> On Higher Integrability of Solutions to Zaremba Problem	54
<i>F. Cobos and L. M. Fernández-Cabrera</i> On the Outer Measure of Bilinear Operators Interpolated by the Real Method	64
<i>R. Dalmo</i> On the Peetre K-functional, Real Interpolation Theory, Quasi-Monotone Functions, and Wavelets	74
<i>R. Duduchava</i> Convolutions on Lie Groups and Fundamental Solutions	78

<i>H. G. Feichtinger</i>	
Upcoming Terminology in the World of Function Spaces	83
<i>A. Gogatishvili and T. Ünver</i>	
On Weighted Cesàro Function Spaces	93
<i>F. Hansen</i>	
Deformed Trace Functions	103
<i>D. D. Haroske</i>	
Generalised Morrey Smoothness Spaces	112
<i>P. Jain and S. Jain</i>	
Duality Principle of Sawyer Type: A Short Survey	120
<i>N. I. Kavallaris, C. V. Nikolopoulos, and A. N. Yannacopoulos</i>	
Numerical Treatment for a Fractional Diffusion MEMS Model	132
<i>K. Krulić Himmelreich, J. Pečarić, and D. Pokaz</i>	
The Generalized Hardy Inequality and Montgomery Interpolating Polynomials	137
<i>A. Kucukaslan</i>	
A Note on Vanishing Generalized Weighted Local and Global Morrey Spaces	142
<i>M. Lind</i>	
An Extension of Koksma's Inequality	147
<i>S. Lundberg</i>	
Note on Necessary Conditions for the Boundedness of a Class of Sub-Linear Operators Between Function Spaces with Homogeneity Properties	157
<i>A.-N. Marcoci</i>	
A Schur Factorization Result	162
<i>L.-G. Marcoci</i>	
About Diagonals of a New Banach Space of Infinite Matrices	166
<i>J. Martín and W. A. Ortiz</i>	
A Note on 1-Dimensional Poincaré Inequalities in Rearrangement Invariant Spaces	170
<i>A. Muntean</i>	
A Problem in Non-Periodic Homogenization: Playing with Bojarski–Meyers Estimates for a Weakly Coupled Linear Elliptic System	174
<i>C. P. Niculescu</i>	
A Nonlinear Korovkin Variant of the Weyl Ergodic Theorem	177

<i>L. Nikolova and S. Varošanec</i>	
Recent Progress in the Study of Continuous Forms of Inequalities	186
<i>R. Oinarov and A. Kalybay</i>	
Weighted Hardy-Type Inequalities in Oscillatory and Spectral Analysis of Fourth-Order Differential Equations	195
<i>L. Pick</i>	
The Supremal Role of the Supremal Operators	205
<i>M. A. Ragusa</i>	
Lars-Erik Persson and Regularity Problems: A Look at the Past, a Look at the Future	218
<i>N. Samko</i>	
Some Remarks on the Well-Posedness of Singular Operators in Weighted Morrey Spaces and Some Comments on Applications	229
<i>Y. Sawano</i>	
Factorization of Hardy Spaces Using the Ball Banach Spaces	240
<i>E. B. da Silva, and L. C. Della Pascoa</i>	
s-Numbers of Multilinear Operators on Quasi-Banach Spaces	255
<i>H. Singh</i>	
A Note on Methods of Analysis and Function Spaces Used in Some Engineering Problems	260
<i>J. Pečarić, A. Perušić Pribanić, and K. Smoljak Kalamir</i>	
Recent Results on Generalizations of Steffensen's Inequality Obtained Using Lidstone Interpolation Polynomials	265
<i>G. Tephnadze</i>	
On the Convergence Almost Everywhere of Subsequences of Partial Sums of Vilenkin–Fourier Series	270
<i>H. Turčmová</i>	
Decades of Hunting Optimal Criteria for Sobolev Functions to Have Zero Traces via Distance Function	274
<i>G. Tutberidze and G. Cagareishvili</i>	
A Note of the Properties of General Fourier Partial Sums of Functions $f \in C_L$	277
<i>E. Wadbro</i>	
Material Distribution Topology Optimization for Boundary Effect Dominated Problems	281
<i>F. Weisz</i>	
Walsh–Lebesgue Points and Convergence of the Fejér Means	285