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Nota di contenuto	Bivariate Left Fractional Pseudo-Polynomial Monotone Approximation (Anastassiou, G.A.) -- Bivariate Right Fractional Polynomial Monotone Approximation (Anastassiou, G.A.) -- Uniform Approximation with Rates by Multivariate Generalized Discrete Singular Operators (Anastassiou, G.A. & Kester, M.) -- Summation Process by Max-Product Operators (Gökçer, T.Y. & Duman, O.) -- Fixed Point in a Non-Metrizable Space (Tallafha, A. & Alhihi, S.A.) -- Second Hankel Determinant for New Subclass Defined by a Linear Operator (Amer, A. A.) -- Some Asymptotics for Extremal Polynomials (Alpan, G., Goncharov, A. & Hatinoglu, B.) -- Some Differential Subordinations Using Ruscheweyh Derivative and a Multiplier Transformation (Lupas, A. A.) -- Some Results on the Bivariate Laguerre Polynomials (Özarslan, M. A. & Kürt, C.) -- Inner Product Spaces and Quadratic Functional Equations (Park, C., Park, W.-G. & Rassias, T.M.) -- Fuzzy Partial Metric Spaces (Amer, F.J.) -- Bounded and Unbounded Fundamental Solutions in MAC Models (Neygebauer, I.) -- Schurer Generalization of q-Hybrid Summation Integral Type Operators (Vural, ., Altn, B. & Yüksel, I.) --

Approximation by q -Baskakov-Durrmeyer Type Operators of Two Variables (Yüksel, ., Dinlemez, Ü. & Altn, B.) -- Blow up of Solutions of Second Order Semilinear Parabolic Equations Under Robin Boundary Conditions (Kalantarova, J. & Polat, M.) -- Functional Inequalities in Fuzzy Normed Spaces (Lee, J.R., Saadati, R. & Shin, D.Y.) -- Principal Vectors of Matrix-valued Difference Operators (Aygar, Y. & Olgun, M.) -- Some Extensions of Preinvexity for Stochastic Processes (Okur Bekar, N., Günay Akdemir, H. & can, .) -- On One Boundary-Value Problem with Two Nonlocal Conditions for a Parabolic Equation (Danilkina, O.) -- Neighborhoods of Analytic Functions Associated with Fractional Derivative (Alnta, O) -- Spectrums of Solvable Pantograph Type Delay Differential Operators for First Order (Ismailov, Z.I. & Ipek, P.) -- Non-Commutative Geometry and Applications to Physical Systems (Zaim, S.) -- The (s,t) -Generalized Jacobsthal Matrix Sequences (Uygun, . & Uslu, K.) -- Domain Decomposition Approximation Approach for an Elliptic Partial Differential Equation (Buttar, T.N. & Sajid, N.) -- Voronovskaja Type Approximation Theorem for q -Szász-Schurer Operators (Vedi, T. & Özarslan, M.A.) -- Approximation to Derivatives of Functions by Linear Operators Acting on Weighted Spaces by Power Series Method (Ta, E. & Yurdakadim, T.) -- Generalized Iterated Fractional Representation Formulae and Inequalities (Anastassiou, G.A.). .

Sommario/riassunto

This special volume is a collection of outstanding theoretical articles presented at the conference AMAT 2015, held in Ankara, Turkey from May 28-31, 2015, at TOBB University of Economics and Technology. The collection is suitable for a range of applications: from researchers and practitioners of applied and computational mathematics, to students in graduate-level seminars. Furthermore it will be a useful resource for all science libraries. This book includes 27 self-contained and expertly-refereed chapters that provide numerous insights into the latest developments at the intersection of applied and computational mathematics, engineering, and statistics.
