1. Record Nr. UNINA9910483223303321

Titolo	Mathematical analysis and computing : ICMAC 2019, Kalavakkam, India, December 23-24 / / R. N. Mohapatra [and three others], editors
Pubbl/distr/stampa	Gateway East, Singapore : , : Springer, , [2021] 2021
ISBN	981-334-646-9
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XII, 661 p. 80 illus., 65 illus. in color.)
Collana	Springer proceedings in mathematics & statistics, ; ; Volume 344
Disciplina	515
Soggetti	Mathematical analysis Anàlisi matemàtica Congressos Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	B. N. Prasad Rao & Dr. M. Rangamma, A Primality Test and a Theorem on Twin Primes -- P. Kumar, Choosing the Best Copula Function in Mathematical Modelling -- A. Sathish Kumar & Prashant kumar, On Generalized Kantorovich Sampling Type Series -- S. Barik, Fekete-Szego problem for Bazilevic functions -- S. Sonker & A. Munjal, Study of Quasi-f-power Increasing Sequences in Absolute Cesàro Summable Factor -- V. Baniya & Ram Keval, Sensitivity and Stability Analysis in the Transmission of Japanese Encephalitis with Logistic Growing Mosquito Population -- S. Golatkar & Y.S. Valaulikar, New Class Of Incomplete Generalized Tri Lucas Polynomials -- P. Agilan, John. M. Rassias, and V. Vallinayagam, Hyer Stability of Additive Functional Equation in Banach Space -- A. Anat Jaslin Jini & S. Monikandan, All Finite Topological Spaces are Weakly Reconstructible -- Geetha Balachandar, Certain Properties of a Subclass of Uniformly Spirallike Functions -- Ananya Dwivedi & Ram Keval, Analysis of a Dengue model with Climate Factors -- A. Santhi & Subramanian Muralisankar, A Theorem on Coupled Fixed Point and it's Application -- A. Atkinswestley & S. Chandrasekar, Neutrosophic G*-Closed Sets And Its Applications -- J. Viswanath, C.T. Dorapravina, T.Karthikeyan & A.Stanley Raj, Serving Israeli Queue on

Single Product Inventory System With Lead Time for Replenishment -- S. Anita Shanthi & Prathipa Jayapalan, A Multi-Criteria Decision Making Framework Based on the Prospect Theory under Bipolar Intuitionistic Fuzzy Soft Environment -- S. Banu Priya & A. Parthiban, Equitable Power Domination Number of Generalized Petersen Graph, Balanced Binary Tree and Subdivision of Certain Graphs -- X. Liu, Numerical Solutions of Bivariate nonlinear integral equations with cardinal splines -- A. George Maria Selvam, D. Vignesh & R. Janagaraj, Bifurcation Analysis and Chaos Control for a Discrete Fractional order Prey-Predator System -- D. Stephen Dinagar & B. Christopar Raj, A Distinct Method for Solving Fuzzy Assignment Problems Using Generalized Quadrilateral Fuzzy Numbers -- A. Chavada & N. Pathak, Eigen Value Estimates for Fractional Sturm- Liouville Boundary Value Problem -- Ioannis K. Argyros, Santhosh George & Shobha M Erappa, Ball convergence of a fth order method for solving equations under weak conditions -- M. Meganathan , S. Vasuki, B. Chandra Sekar & G. Britto Antony Xavier, Discrete fractional Sumudu transform by inverse fractional difference operator -- S. Jaraldpushparaj & G. Britto Antony Xavier, Generalized Mittag-Leffler Factorial Function with sums -- B. Thilaka, B.Poorani & S.Udayabaskaran, Performance analysis of an M/M/1 queue with single working vacation, customer impatience subject to catastrophe -- Vigneswaran L, Jansirani N & Dare V R, Generalization of Permutation on Infinite Kolakoski Sequence with Finite Number of Strings -- N. Sathya Kumar & R. Nageshwar Rao, A stabilized numerical algorithm for singularly perturbed delay differential equations via exponential fitting -- Subharani V, Jansirani N & Dare V R, Generalized Inverse of Special Infinite Matrix -- G. A. Birajdar, A New Approach for Nonlinear Fractional Heat Transfer Model by Adomian Decomposition Method -- A. George Maria Selvam, S. Britto Jacob & R. Dhineshbabu, Bifurcation and Chaos Control for Discrete Fractional Order Prey Predator Model with Square Root Interaction -- Vinoth A and P. Sam Johnson, Factorization of EP Operators in Krein Spaces -- S. Sarah Surya & P. Subbulakshmi, On the Spectral Parameters of certain Cartesian Products of Graphs with P2 -- M. Kumar, T. Pradhan & Ram N Mohapatra, Asymptotic series of a general symbol of pseudodifferential operator involving linear canonical transform -- R. Sharma, V. Singh Chouhan, R. Mehta, Under (,,) Conditions Coupled Coincidence Points with Ordered Generalized Metric Spaces -- S. Poornima, S. Mohanavalli, Swarnalatha & I. Kesavarthini, Dynamic Pricing of Products Based on Visual Quality and E-Commerce Factors -- S.Divya, R.Raghavi, N.Sripriya,S.Mohanavalli and S.Poornima, Analysis of Audio-Based News Classification Using Machine Learning Techniques -- B.B. Upadhyay & Priyanka Mishra, On Generalized Minty and Stampacchia Type Vector Variational-Like Inequalities and Nonsmooth Vector Optimization Problems Using Limiting Subdifferential -- S. Prabhakaran & L.Jones Tarcius Doss, Weighted average approximation in nite volume formulation for one dimensional single species transport and the stability condition for various schemes -- S.Prabhakaran & L.Jones Tarcius Doss, Total variation diminishing nite volume scheme for multi dimensional multi species transport with rst order reaction network -- Kalpana Gopalan & Sumaiya Tasneem Z, Existence of Fixed Point Results in C* -algebra-valued Triple Controlled Metric Type Spaces -- K. Gopalan & S. Tasneem Z, On Fixed Points in the Setting of C* -Algebra-Valued Controlled Fc-Metric Type Spaces -- Sofia Jennifer J, Sree Sharmila T, Sairam H and Kishorkrishna T S, Detection of Bruises and Flaws in Fruits using Thermal Imaging -- A. Hegde & P. Devaraj, Heuristics for the construction of counterexamples to the Agrawal conjecture -- N.

Vijender & Sathish Kumar A., Constrained Fractal Trigonometric Approximation: A Sequential Approach -- S. Bajpeyi & A. S. Kumar, Max-Product Type Exponential Neural Network Operators -- S Yugesh and P Devaraj, Local weighted average sampling over multiply generated spline spaces of polynomial growth -- Nabin K. Sahu & Ekta Rajput, An insight into the frames in Hilbert C* -modules -- R. N. Mohapatra, Bijaya Kumar Sahu, and Sabyasachi Pani, A Class of Variational-like Inequalities in Banach spaces -- C. Singla, S. Gupta and S. Singh, An Alternative Approach to Convolutions of Harmonic Mappings -- Om P. Ahuja and Asena C etinkaya, A Survey on Theory of Integral and Related Operators in Geometric Function Theory -- S. Sunil Varma, Thomas Rosy, Atulya K. Nagar K. G. Subramanian, Integral Operators on a Class of Analytic Functions.

Sommario/riassunto

This book is a collection of selected papers presented at the International Conference on Mathematical Analysis and Computing (ICMAC 2019) held at Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, from 23–24 December 2019. Having found its applications in game theory, economics, and operations research, mathematical analysis plays an important role in analyzing models of physical systems and provides a sound logical base for problems stated in a qualitative manner. This book aims at disseminating recent advances in areas of mathematical analysis, soft computing, approximation and optimization through original research articles and expository survey papers. This book will be of value to research scholars, professors, and industrialists working in these areas.