1. Record Nr.	UNINA9910309661503321
Titolo	Advances in Algebra and Analysis : International Conference on Advances in Mathematical Sciences, Vellore, India, December 2017 - Volume I / / edited by V. Madhu, A. Manimaran, D. Easwaramoorthy, D. Kalpanapriya, M. Mubashir Unnissa
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2018
ISBN	3-030-01120-8
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XVIII, 485 p. 72 illus., 32 illus. in color.)
Collana	Trends in Mathematics, , 2297-024X
Disciplina	512
Soggetti	Algebra Mathematical analysis Operations research Management science Statistics Analysis Operations Research, Management Science Statistical Theory and Methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part 1: Algebra -- IT-2 Fuzzy Automata and IT-1 Fuzzy Languages -- Level Sets of i_v_Fuzzy -Subalgebras.-Interval-Valued Fuzzy Subalgebra and Fuzzy INK-Ideal in INK-Algebra -- On Dendrites Generated by Symmetric Polygonal Systems: The Case of Regular Polygons -- Efficient Authentication Scheme Based on Twisted Near-ring Root Extraction Problem -- Dimensionality Reduction Technique to Solve E-Crime Motives -- Partially Ordered Gamma Near-Rings -- Novel Digital Signature Scheme with Multiple Private Keys on Non-Commutative Division Semirings -- Cozero Divisor Graph of a Commutative Rough Semiring -- Gorenstein FI-Flat Complexes and (Pre)Envelopes -- Bounds of Extreme Energy of an Intuitionistic Fuzzy Directed Graph -- Part 2: Analysis -- On Ultra Separation Axioms via -open Sets -- Common Fixed Point Theorems in 2-Metric Spaces

using Composition of Mappings via A-Contractions -- Coefficient bounds for a Subclass of m-fold Symmetric -pseudo Bi-starlike Functions -- Laplacian and EffectiveResistance Metric in Sierpinski Gasket Fractal -- Some Properties of Certain Class of Uniformly Convex Functions defined by Bessel Functions -- A New Subclass of Uniformly Convex Functions defined by Linear Operator -- Coefficient Bounds of Bi-univalent Functions using Faber Polynomial -- Convexity of Polynomials using Positivity of Trigonometric Sums -- Local Countable Iterated Function Systems.-On Intuitionistic Fuzzy C-ends -- Generalized Absolute Riesz Summability of Orthogonal Series -- Holder Inequalities for Analytic Functions defined by Ruschewyh-type q-difference Operator -- Fuzzy Cut Sets Based Filter for Fixed-Value Impulse Noise Reduction -- On (p, q)-quantum calculus involving quasi-subordination -- Part 3: Operations Research -- Sensitivity Analysis for Spanning Tree -- On Solving Bi-objective Fuzzy Transportation Problem -- Nonlinear Programming Problem for an M-Design Multi Skill Call Center with Impatience Basedon Queuing Model Method -- Optimizing a Production Inventory Model with Exponential Demand Rate, Exponential Deterioration, and Shortages -- Analysis of Batch Arrival Bulk Service Queuing System with Breakdown, Different Vacation Policies, and Multi Phase Repair -- An Improvement to One's BCM for the Balanced and Unbalanced Transshipment Problems by Using Fuzzy Numbers -- An Articulation Point Based Approximation Algorithm for Minimum Vertex Cover Problem -- On Bottleneck-Rough Cost Interval Integer Transportation Problems -- Direct Solving Method of Fully Fuzzy Linear Programming Problems with Equality Constraints Having Positive Fuzzy Numbers -- An Optimal Deterministic Two Warehouse Inventory Model for Deteriorating Items -- Analysis on Time to Recruitment in a Three Grade Marketing Organization Having Classified Sources of Depletion of Two Types with an Extended Threshold and Shortage in Manpower forms Geometric Process -- Neutrosophic Assignment Problem via BnB Algorithm -- Part 4: Statistics -- An Approach to Segment the Hippocampus from T2-Weighted MRI of Human Head Scans for the Diagnosis of Alzheimer's Disease Using Fuzzy C-Means Clustering -- Analysis of $M^{[X]}/G_k/1$ Retrial Queuing Model and Stand-by -- -Statistically Convergent Mutliple Sequences in Probabilistic Normed Spaces -- A Retrial Queuing Model with Unreliable Server in K Policy -- Two Level Control Policy of an Unreliable Queuing System with Queue Size Dependent Vacation and Vacation Disruption -- Analysis of M/G/1 Priority Retrial G-Queue with Bernoulli Working Vacations -- Time to Recruitment for Organizations having n Types of Policy Decisions with Lag Period for Non-Ideal Wastages -- A Novice's Application of Soft Expert Set: A Case Study on Students' Course Registration -- Dynamics of Stochastic SIRS Model -- Steady State Analysis of Unreliable Preemptive Priority Retrial Queue with Feedback, Two Phase Service under Bernoulli Vacation -- An Unrealizable Optional Stage $M^X/G/1$ Retrial Queue with Immediate Feedbacks and at most J Vacations -- Weibull Estimates in Reliability - An Order Statistics Approach -- Intuitionistic Fuzzy ANOVA and Its Application using Different Techniques -- A Resolution to Stock Prices Prediction by Developing ANN based Models using PCA -- A Novel Method of Solving Quadratic Programming Problem under Stochastic Conditions.

| Sommario/riassunto | This volume is the first of two containing selected papers from the International Conference on Advances in Mathematical Sciences, Vellore, India, December 2017 - Volume I. This meeting brought together researchers from around the world to share their work, with the aim of promoting collaboration as a means of solving various |

problems in modern science and engineering. The authors of each chapter present a research problem, techniques suitable for solving it, and a discussion of the results obtained. These volumes will be of interest to both theoretical- and application-oriented individuals in academia and industry. Papers in Volume I are dedicated to active and open areas of research in algebra, analysis, operations research, and statistics, and those of Volume II consider differential equations, fluid mechanics, and graph theory. .