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Nota di contenuto	Chapter 1. Constructions and Embeddings of Hamilton Decompositions of Families of Graphs -- Chapter 2. On Strong Pseudomonotone and Strong Quasimonotone Maps -- Chapter 3. A dynamic non-preemptive priority queueing model with two types of customers -- Chapter 4. I - statistical convergence of weight g in topological groups -- Chapter 5. On the integral-balance solvability of the nonlinear Mullins model -- Chapter 6. Optimal Control of Rigidity Parameter of Elastic Inclusions in Composite Plate with a Crack -- Chapter 7. Convergence of generalized Mann type of iterates to common fixed point -- Chapter 8. Bohr's inequalities for harmonic mappings and beyond -- Chapter 9. Geometric degree reduction of Bezier curves -- Chapter 10. Numerical study on the influence of diffused soft layer in pH regulated polyelectrolyte coated nanopore -- Chapter 11. Quadruple Fixed Point Theorem For Partially Ordered Metric Space With Application To Integral Equations -- Chapter 12. Enhanced Prediction for Piezophilic Protein

by incorporating Reduced Set of Amino Acids using Fuzzy-Rough Feature Selection technique followed by SMOTE -- Chapter 13. Effect of upper and lower moving wall on mixed convection of Cu-water nanofluid in a square enclosure with non-uniform heating -- Chapter 14. On Love wave frequency under the influence of linearly varying shear moduli, initial stress and density of orthotropic half space -- Chapter 15. The problem of oblique scattering by a thin vertical submerged plate in deep water-Revisited -- Chapter 16. A note on necessary condition for L^p multipliers with power weights -- Chapter 17. On $M/G(a,b)/1/N$ queue with batch size and queue length dependent service -- Chapter 18. A fuzzy random continuous (Q,r,L) inventory model involving controllable back-order rate and variable lead-time with imprecise chance constraint -- Chapter 19. Estimation of the location parameter of the general half-normal distribution -- Chapter 20. Existence of equilibrium solution of the coagulation-fragmentation equation with linear fragmentation kernel -- Chapter 21. Explicit Criteria for Stability of Two-Dimensional Fractional Nabla Difference Systems -- Chapter 22. Discrete Legendre collocation methods for Fredholm-Hammerstein integral equations with weakly singular kernel -- Chapter 23. Norm inequalities involving upper bounds for operators in Orlicz-Taylor sequence spaces -- Chapter 24. A Study on Fuzzy Triangle and Fuzzy Trigonometric Properties -- Chapter 25. An extension Asymptotically λ -Statistical Equivalent Sequences via Ideals -- Chapter 26. Fuzzy Goal Programming Approach for Resource Allocation in a NGO Operation -- Chapter 27. Stoichio Simulation of Facsp From Graph Transformations To Differential Equations -- Chapter 28. Fully Dynamic Group Signature Scheme with Member registration and Verifier-local Revocation -- Chapter 29. Second Hankel Determinant for a Class of Alpha-Close-to-Convex Functions -- Chapter 30. Fourier-based Function Secret Sharing with General Access Structure -- Chapter 31. Multiple Handed Hexagonal Tile Assembly Model on Interactive Systems -- Chapter 32. A uniformly convergent NIPG method for a singularly perturbed system of reaction-diffusion boundary-value problems -- Chapter 33. Efficient Numerical Methods for Linear Reaction-Diffusion System -- Chapter 34. Comparison of two methods based on Daubechies scale functions and Legendre multiwavelets for approximate solution of Cauchy type singular integral equation on R .

Sommario/riassunto

This book discusses recent advances and research in applied mathematics, statistics and their applications in computing. It features papers presented at the fourth conference in the series organized at the Indian Institute of Technology (Banaras Hindu University), Varanasi, India, on 9 – 11 January 2018 on areas of current interest, including operations research, soft computing, applied mathematical modelling, cryptology, and security analysis. The conference has emerged as a powerful forum, bringing together leading academic scientists, experts from industry, and researchers and offering a venue to discuss, interact and collaborate to stimulate the advancement of mathematics and its applications in computer science. The education of future consumers, users, producers, developers and researchers of mathematics and its applications is an important challenge in modern society, and as such, mathematics and its application in computer science are of vital significance to all spectrums of the community, as well as to mathematicians and computing professionals across different educational levels and disciplines. With contributions by leading international experts, this book motivates and creates interest among young researchers.

