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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. Propagation of water waves in the presence of thin vertical barrier on the bottom undulation Chapter 2. Cryptanalysis of Multilanguage Encryption Techniques Chapter 3. Signcryption with Delayed Identification Chapter 4. HDNM8: A Round-8 High Diffusion Block Cipher With Nonlinear Mixing Function Chapter 5. Frames and Erasures Chapter 6. Semi-inner Product: Application to Frame Theory and Numerical Range of Operators Chapter 7. Multi-level Non-Linear Programming Problem With Some Multi-choice Parameter Chapter 8. A New Class of Rational Cubic Fractal Splines for Univariate Interpolation Chapter 9. Applications of Compressive Sensing To Surveillance Problems Chapter 10. Region of Variability

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	for Some Subclasses of Univalent Functions Chapter 11. Ideal cone: a new method to generate complete Pareto set of multi-criteria optimization problems Chapter 12. Fractional Programming Problem with Bounded Parameters Chapter 13. Approximation Properties of Linear Positive Operators with the help of Biorthogonal Polynomials Chapter 14. Similarity Based Reasoning Fuzzy Systems and Universal Approximation Chapter 15. Similarity measure of intuitionistic fuzzy numbers by the centroid point Chapter 16. Classification Rules for Exponential Populations under Order Restrictions on Parameters Chapter 17. Solving the Exterior Bernoulli Problem using the Shape Derivative Approach Chapter 18. Applications of the Hausdorff measure of noncompactness on the space lp(r; s; t;B(m)), 1 p < ¥ Chapter 19. Some Geometric Properties of Generalized Cesàro- Musielak-Orlicz Sequence Spaces Chapter 20. Inverting the transforms arising in the GI=M=1 risk process using roots Chapter 21. On Quasi-ideals in Ternary Semirings Chapter 22. Epidemiological Models: a Study of Two Retroviruses, HIV and HTLV-I.
Sommario/riassunto	This book discusses recent developments and contemporary research in mathematics, statistics and their applications in computing. All contributing authors are eminent academicians, scientists, researchers and scholars in their respective fields, hailing from around the world. The conference has emerged as a powerful forum, offering researchers a venue to discuss, interact and collaborate, and stimulating the advancement of mathematics and its applications in computer science. The book will allow aspiring researchers to update their knowledge of cryptography, algebra, frame theory, optimizations, stochastic processes, compressive sensing, functional analysis, complex variables, etc. Educating future consumers, users, producers, developers and researchers in mathematics and computing is a challenging task and essential to the development of modern society. Hence, mathematics and its applications in computer science are of vital importance to a broad range of communities, including mathematicians and computing professionals across different educational levels and disciplines.