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Nota di contenuto	The Second- and Third-order Hermitian Toeplitz Determinants for Some Subclasses of Analytic Functions Associated with Exponential Function -- Some Results on a Starlike Class with Respect to $(j, m)$ $s$ -symmetric Functions -- Experimental Evaluation of Four Intermediate Filters to Improve the Motion Field Estimation -- On the $s^{\text{th}}$ Derivative of a Polynomial -- On the Problem of Pricing a Double Barrier Option in a Modified Black–Scholes Environment -- Caputo Sequential Fractional Differential Equations with Applications -- Herscovici's Conjecture on Product of Some Complete Bipartite Graphs -- On Fault-Tolerant Metric Dimension of Heptagonal Circular Ladder and Its Related Graphs -- BKS Fuzzy Inference Employing h-Implications -- Note on Distributivity of Different String Operations over Language Sets -- A Generalization of Chi-binding Functions -- A Short Proof of Ore's f-factor Theorem using Flows -- A Decision-

making Problem Involving Soft Fuzzy Number Valued Information System: Energy Efficient Light Emitting Diode Blubs -- Role of Single-valued Linear Octagonal Neutrosophic Numbers in Multi-attribute Decision-making Problems.

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Sommario/riassunto

This book contains select papers on mathematical analysis and modeling, discrete mathematics, fuzzy sets, and soft computing. All the papers were presented at the international conference on FIM28-SCMSPS20 virtually held at Sri Sivasubramaniya Nadar (SSN) College of Engineering, Chennai, India, and Stella Maris College (Autonomous), Chennai, from November 23–27, 2020. The conference was jointly held with the support of the Forum for Interdisciplinary Mathematics. Both the invited articles and submitted papers were broadly grouped under three heads: Part 1 on analysis and modeling (six chapters), Part 2 on discrete mathematics and applications (six chapters), and Part 3 on fuzzy sets and soft computing (three chapters).

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