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Nota di contenuto	Part 1: Graph Theory -- Chapter 1: Optimizing Wirelength In Embedding Tur´An Graphs Into Complete -- Chapter 2: Square Difference Geometric Mean 3-Equitable Labeling of Certain -- Chapter 3: Domination Number In Sierpi´nski Networks -- Chapter 4: Vertex Prime and Edge Ternion Sum Labeling of Certain Centralized -- Chapter 5: Vertex Odd Mean(VOM) Labeling of Super Subdivision of Some Graphs -- Chapter 6: Burning Neural Networks With Harary Graphs for Optimal Connectivity -- Chapter 7: k-prime Total Labeling of Union of Graphs -- Chapter 8: Optimizing Wirelength In Graph Embedding: Folded Hypercube Into Fan And Windmill Networks - A Comparative Study -- Chapter 9: Connectedness and Distance Energy

of Hamacher d-fuzzy graphs -- Chapter 10: Minimum Vertex Cover In Extended Fibonacci Cubes -- Chapter 11: Power Dominator Sum Coloring of Graphs -- Chapter 12: Roman Domination Number for Fractal Cubic Networks -- Chapter 13: Analyzing The Factors Associated With The Severity of Non Alcoholic Fatty Liver Disease (Nafld) Using Graph Theory and Matrix Approach Method -- Chapter 14: Some Results On Variants of Lucky Labeling of Extended Polytopes -- Chapter 15: Topological Indices of Vemurafenib For The Cure of Melanoma Cancer -- Chapter 16: Antimagic Labeling of Network Graphs -- Chapter 17: Edge Vertex Prime Labeling (Evpl) of Certain Trees And Graphs -- Chapter 18: Domination Equitable Coloring for Family of Ladder Graphs -- Chapter 19: Large Graphs With Small Burning Numbers -- Chapter 20: Equality of Domination Parameters in Certain Necklace Graphs -- Chapter 21: Centered Triangular Sum Labeling of m, n snowflake graph -- Chapter 22: Paired Transmission In Networks -- Part 2: Fuzzy Mathematics -- Chapter 23: An Application of Generalized Fuzzy Soft Sets In Analyzing Student's Performance Level During Online Mode of Education -- Chapter 24: Novel Similarity Measures for Linguistic Intuitionistic Fuzzy TOPSIS Method for Decision Support System -- Part 3: Statistics -- Chapter 25: The Analysis of The Value Of By Simulation Approach And Non-Parametric Statistical Testing of Hypothesis -- Chapter 26: Optimizing Quality of Service In Internet And Web Services Through A Two Stage Retrial Tandem Queuing Model With Working Vacation -- Part 4: Physics -- Chapter 27: An Analysis of MHD Thermally and Chemically Reactant Williamson Nanofluid Over an Exponentially Stretched Sheet with Joules Heating -- Chapter 28: Impact of Radiation and Dissipation On An Unsteady Nano Fluid Flow Over An Elongating Sheet -- Part 5: Miscellaneous -- Chapter 29: Modern Methodology of Medicine Versus Its Traditional One – A Theoretical Graph Approach -- Chapter 30: Parikh Matrices of Prouhet Array Morphic Images of Two-dimensional Arrays -- Chapter 31: Graph Analysis on Physiological Aging – A Theoretical Investigation -- Chapter 32: Multiset Quadripartioned Neutrosophic Cubic Topological Space -- Chapter 33: A Theoretical Graph Analysis On Eeg Controlled Bionic Arm With Importance To Senses of Human.

Sommario/riassunto

This proceedings volume showcases high-quality original research papers presented at the International Conference on Computational Engineering (ICCE 2023), held in Chennai, India, from December 8-9, 2023 dedicated to advancing interdisciplinary research in the realm of mathematics and its pivotal role in Computer Engineering. Explore the dynamic field of Computational Engineering, where innovative computational techniques—such as computer simulations, mathematical modeling, and numerical analysis—are employed to tackle complex engineering challenges. By integrating principles from engineering, computer science, and applied mathematics, this collection illustrates how virtual prototypes enable engineers to analyze and optimize systems before physical testing, saving valuable time and resources. Featuring selected works from conference participants and outstanding contributions from external researchers, this book highlights the broad applications of Computational Engineering across civil, mechanical, aerospace, chemical, electrical engineering, and beyond. Dive into cutting-edge research that paves the way for future advancements in engineering practices.
