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Nota di contenuto	Uncertainty in Quantum Theory and Fuzzy Systems -- Basics of Quantum Graphs -- A Study on Quantum Graphs -- Quantum decision scenario based MAGDM integrating TOPSIS under linguistic information -- Pythagorean linguistic information based eco friendly building materials selection made from recycled plastic using quantum-based group decision making methods and the MARCOS technique -- The selection of wearable health technology devices is based on the Pythagorean linguistic multi attribute group quantum decision theory technique integrating the TODIM VIKOR methodology -- The multicriteria quantum decision theory based group decision making integrating TODIM PROMETHEE II approach under linguistic Z number information with application to selection of renewable energy -- An innovative method utilizing an extended ORESTE based Pythagorean linguistic multicriteria quantum group decision making approach for selecting cell phones -- Pythagorean linguistic information based green supplier using quantum based group decision making methodology

and the MULTIMOORA approach -- Pythagorean linguistic quantum scenario based group decision making methodology integrating the LogTODIM TOPSIS approach and its application to navigating investment decisions amidst uncertainty for growth -- Sustainable solar energy management driven by Pythagorean linguistic information under quantum group decision making procedures and the CoCoSo approach -- Dynamic centrality measure for Bunch Nodes in Quantum Graph Perspective on brain network -- Routing Protocols based on Quantum Bunch Graph -- Centrality measure in Quantum Graphs and its Application -- Link Prediction by Quantum Graphs and its Application -- Quantum Planar Graphs and its Application -- Topological Indices in Quantum Graphs -- Domination in Quantum Graphs -- Quantum Computing and GAN Aspect -- Concepts in Fuzzy and Quantum Social Networks -- Quantum Coopetition Graphs -- Quantum Computing and Fuzzy Logic -- Quantum Graphs and Optimization.

Sommario/riassunto

This book dives into the fascinating intersection of quantum theory and fuzzy systems. This work is inspired by quantum theory and its real-world applications. It bridges the gap between abstract theoretical concepts and practical implementations in quantum theory-based group decision-making and graph theory/social networks. Highlights: Core concepts: Begin with uncertainty in quantum theory and fuzzy systems and familiarise yourself with the basics of quantum graphs. Real-World Applications: Explore methods for multi-attribute group decision-making, choosing green building materials, and evaluating wearable health devices, renewable energy options, and cell phones using quantum decision methods. Advanced Exploration: Investigate dynamic centrality measures for brain networks, routing protocols, centrality metrics, link prediction, and applications of quantum graphs. Comprehensive topics: Learn about green supplier selection, investment decisions under uncertainty, sustainable solar energy management, and more. Innovative approaches: Examine topological indices, dominance theory, applications of quantum computing, social fuzzy and quantum networks, scenarios of co-concurrence, and optimization techniques in quantum graphs. This comprehensive guide is an indispensable resource for students, researchers, and professionals who want to explore the applications of quantum theory in network science, quantum computing, and decision-making. Whether readers are experts or novices, this book provides knowledge and practical insights to navigate the complexity of uncertainty in our networked world.>.