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Nota di contenuto	1. Optimized Integrated Operational Engineering Plan for an Airline -- 2. Trade Credit Induced Inventory Model for New Products -- 3. Solving a Chance Constrained Single-Period Inventory Model with Type-1 Fuzzy Set -- 4. Constrained Optimal Trading Problems for Risk neutral and Risk averse Investors with CVaR as Measure for the Timing risk -- 5. Multi-objective Multi-choice Random Linear Programming Problem -- 6. Symmetric Duality and Complementarity in Non Convex Programming -- 7. Efficient Ratio-type and Product-type Exponential Estimators -- 8. Efficient Ratio-type and Product-type Exponential Estimators -- 9. Cuckoo Search Optimization for Black Scholes Option Pricing -- 10. Characterization of Pareto Distribution through Expectation of Function of Order Statistics -- 11. Computation of Multi-Choice Multi-Objective Fuzzy Probabilistic Transportation Problem -- 12. Computation of Multi-Choice Multi-Objective Fuzzy

Probabilistic Transportation Problem -- 13. Crop Insurance in India: A Mathematical Review -- 14. Adoption of e-Government Services: A Case Study on e-Filing System of Income Tax Department of India.

Sommario/riassunto

This book analyzes the underlying theoretical principles of multi-objective linear programming problems with multi-choice parameters. It studies transportation problems on the same domain with extension to fuzzy stochastic criteria, and offers insights into sensitivity analysis through symmetric duality and complementarity using non-convex programming. These analytical presentations provide ample scope for researchers to contemplate real-world problems with an innovative vision. The formulation, analysis and solution procedures on inventory control models in the book use both deterministic and fuzzy parameters, and provide novel optimal inventory policies. The book discusses a wide range of optimal operational techniques for policy makers, government and private agencies in the fields of e-governance and agricultural crop insurance, which are crucial for developing countries. The recommendations address the gaps and remedies in various schemes that influence decision-making in the context of the economic development of such countries.