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Altri autori (Persone)	NeogyS. K DasA. K (Arup Kumar) BapatR. B
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Nota di contenuto	Foreword; Preface; Acknowledgments; Contents; 1. Modeling a Jamming Game for Wireless Networks Andrey Garnaev; 2. Existence of Nash Networks in the One-way Flow Model of Network Formation J. Derks, J. Kuipers, M. Tennekes and F. Thuijsman; 3. Strategic Advertisement with Externalities: A New Dynamic Approach Reinoud Joosten; 4. Connections between Some Concepts in Reliability and Economics Subhash Kochar and Maochao Xu; 5. A New Axiomatization of the Shapley Value for TUgames in terms of Semi-null Players Applied to 1-concave Games Theo S.H. Driessen 6. Coextrema Additive Operators Atsushi Kajii, Hiroyuki Kojima and Takashi Ui7. Models without Main Players T. S. Arthanari; 8. Dynamic Optimal Advertising Expenditure Strategies for Two Successive Generations of High Technology Products Udayan Chanda and A. K. Bardhan; 9. Nonconvex Vector Minimization with Set Inclusion Constraint Anjana Gupta, Aparna Mehra and Davinder Bhatia; 10. Approximate Optimality in Semi Infinite Programming Deepali Gupta

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11. A Relaxation Based Solution Approach for the Inventory Control and Vehicle Routing Problem in Vendor Managed Systems Oguz Solyali and Haldun Sural
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14. A Stackelberg Differential Game with Overlapping Generations for the Management of a Renewable Resource Luca Grilli;
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16. Sperner's Lemma with Multiple Labels R. B. Bapat
17. Incremental Twin Support Vector Machines Reshma Khemchandani, Jayadeva and Suresh Chandra;
18. Portfolio Risk Management Using Support Vector Machine Sanjeet Singh;
19. Weak Convergence of an Iterative Scheme with a Weaker Coefficient Condition Yasunori Kimura;
20. Complementarity Modeling and Game Theory: A Survey S. K. Neogy and A. K. Das

Sommario/riassunto

This volume provides recent developments and a state-of-the-art review in various areas of mathematical modeling, computation and optimization. It contains theory, computation as well as the applications of several mathematical models to problems in statistics, games, optimization and economics for decision making. It focuses on exciting areas like models for wireless networks, models of Nash networks, dynamic models of advertising, application of reliability models in economics, support vector machines, optimization, complementarity modeling and games.
