

Contents

Contents	v
News vendor Bounds and Heuristics for Optimal Policy of Serial Supply Chains with and without Expedited Shippings	1
<i>Xiuli Chao, Sean X. Zhou</i>	
Applying Network Flow Optimization Techniques for Measuring the Robustness of Water Supply Network System in Tokyo	22
<i>Hiroshi Ashida, Hozumi Morohoshi, Tatsuo Oyama</i>	
Network Dimensioning Problems of Applying Achievement Functions	35
<i>Chia-Hung Wang, Hsing Luh</i>	
An Algorithmic Solution for the Stationary Distribution of $M/M/c/K$ Retrial Queue	60
<i>Yang Woo Shin, Dug Hee Moon</i>	
Global Logistics Road Planning: A Genetic Algorithm Approach	75
<i>Yue Wu</i>	
Stochastic Optimal Control Problems with a Bounded Memory	82
<i>Mou-Hsiung Chang, Tao Pang, Moustapha Pemy</i>	
Dual Scaling Using Mathematical Programming and Its Application	95
<i>Tohru Ueda</i>	
A Solution Method for the Quadratic Assignment Problem (QAP)	106
<i>P. Ji, Yongzhong Wu, Haozhao Liu</i>	
An Improved Algorithm for the Bilateral Assignment Problem	118
<i>Veerayuth Nomsiri, Takeo Yamada</i>	
Performance Analysis of an $M/M/c/N$ Queueing System with Balking, Reneging and Synchronous Vacations of Partial Servers	128
<i>Dequan Yue, Wuyi Yue, Yanping Sun</i>	
Topological and Optimization Modeling for Internet Data of Online Auction Markets	144
<i>Sydney C. K. Chu, James K. Ho</i>	

Simulation of Container Queues for Port Investment Decisions	155
<i>Mohammad Ali Alattar, Bilavari Karkare, Neela Rajhans</i>	
Two Interval Parameter Fuzzy Programming Models for Petroleum Solid Waste Management	168
<i>Zhe Su, Boting Yang, Gordon Huang</i>	
A New Arbitrary Starting Simplicial Algorithm for Computing an Integer Point of an n-Dimensional Simplex	184
<i>Chuangyin Dang</i>	
An Optimal Bound for Sum of Square Roots of Special Type of Integers .	206
<i>Jianbo Qian, Cao An Wang</i>	
An Educational System Based on the Questionnaire Proposed by the Students: Construction and Practical Usage	212
<i>Nobuo Umemura, Toshiharu Hasegawa</i>	
Ranking DEA Efficient Units with the Most Compromising Common Weights	219
<i>Fuh-Hwa Franklin Liu, Hao-Hsuan Peng, Hong-Wei Chang</i>	
Optimal Investment Policy for Real Option Problems with Regime Switching	235
<i>Naoki Makimoto</i>	
A Stochastic Inventory Placement Model for a Multi-echelon Seasonal Product Supply Chain with Multiple Retailers	247
<i>Ji-Hong Zhang, Jian Chen, Yu-Nan Wu, Xiang-Sun Zhang</i>	
Scheduling with Discretely Compressible Processing Times to Minimize Makespan	258
<i>Shu-Xia Zhang, Zhi-Gang Cao, Yu-Zhong Zhang</i>	
Dynamic Lot-Sizing Model With a Class of Multi-Breakpoint Discount Cost Structures	264
<i>Yu-Zhong Zhang, Jianteng Xu, Qingguo Bai</i>	
The Branch and Bound Algorithm for Solving a Sort of Non-smooth Programming on Simplex	270
<i>Zai-En Hou, Fu-Jian Duan</i>	
Shortest Path Problems for Ambulances in Case of Severe Earthquakes .	283
<i>Rumi Umitsu, Masanori Fushimi</i>	
Some Results on the Classification for f-colored Graphs	292
<i>Jiguo Yu, Lihua Han, Guizhen Liu</i>	
E-Bayesian Method to Estimate Failure Rate	299
<i>Ming Han</i>	

Fuzzy Optimization Models for Quality and Cost of Software Systems Based on COTS	312
<i>Xueshi Shen, Yingwu Chen, Lining Xing</i>	
P2P Contents Distribution System with Routing and Trust Management .	319
<i>Hiroyuki Kawano</i>	
A Robust Collaborative Optimization Method Under Multidisciplinary Uncertainty	327
<i>Huihui Liu, Wenhui Fan</i>	
Some Results on Fractional Covered Graphs	334
<i>Jiguo Yu, Na Wang, Baoxiang Cao</i>	
Leadership in Virtual Teams	342
<i>Amin Kaboli, Mojtaba Tabari, Elham Kaboli</i>	
An Improved Approximation Algorithm for the Disjoint 2-Catalog Segmentation Problem	350
<i>Houchun Zhou, Dexue Zhang</i>	
A Symbolic Analysis Method of Communication Set Generation for Irregular Array Reference	357
<i>Zhen Liu, Minyi Guo</i>	
An Optimization Model for Achieving Sparsity of Gene Regulatory Networks	368
<i>Jinshan Li, Xiang-Sun Zhang</i>	
Faster Genetic Algorithm for Network Paths	380
<i>Yinzhen Li, Ruichun He, Yaohuang Guo</i>	
Author Index	390