

Contents Volume 31

VOLUME 31, No. 1 – JANUARY 2005

J.M. Jorge / A Bilinear Algorithm for Optimizing a Linear Function over the Efficient Set of a Multiple Objective Linear Programming Problem	1–16
K. Kogan, E. Khmel'nitsky and T. Ibaraki / Dynamic Generalized Assignment Problems with Stochastic Demands and Multiple Agent–Task Relationships	17–43
Z.Y. Wu, F.S. Bai and L.S. Zhang / Convexification and Concavification for a General Class of Global Optimization Problems	45–60
C.J. Luz / Improving an Upper Bound on the Stability Number of a Graph	61–84
H. Günzel and H.T. Jongen / On Absorbing Cycles in Min–Max Digraphs	85–92
J.F. Schutte and A.A. Groenwold / A Study of Global Optimization Using Particle Swarms	93–108
J.-Y. Fu / Vector Equilibrium Problems. Existence Theorems and Convexity of Solution Set	109–119
Q. Xu, B. Yu and G.-C. Feng / Homotopy Methods for Solving Variational Inequalities in Unbounded Sets	121–131
O.P. Ferreira, L.R.L. Pérez and S.Z. Németh / Singularities of Monotone Vector Fields and an Extragradient-type Algorithm	133–151
R.G. Regis and C.A. Shoemaker / Constrained Global Optimization of Expensive Black Box Functions Using Radial Basis Functions	153–171
M. Filippakis, L. Gasiński and N.S. Papageorgiou / On the Existence of Positive Solutions for Hemivariational Inequalities Driven by the p -Laplacian	173–189

VOLUME 31, No. 2 – FEBRUARY 2005

**Special Issue on the 5th International Conference on Optimization:
Techniques and Applications (ICOTA 2001)
December 15–17, 2001, Hong Kong
Guest Editors: Duan Li, Liqun Qi and Kok Lay Teo**

Preface

191–192

X.X. Huang and X.Q. Yang / Further Study on Augmented Lagrangian Duality Theory	193–210
D. Li, Z.-Y. Wu, H.-W.J. Lee, X.-M. Yang and L.-S. Zhang / Hidden Convex Minimization	211–233
X.-M. Yang and S.-H. Hou / On Minimax Fractional Optimality and Duality with Generalized Convexity	235–252
Y. Dai, J. Shi and S. Wang / Conical Partition Algorithm for Maximizing the Sum of dc Ratios	253–270
L.-Z. Liao, L. Qi and H.W. Tam / A Gradient-based Continuous Method for Large-scale Optimization Problems	271–286
N. Deng, Y. Xue, J. Zhang and P. Zhong / An Inexact Newton Method Derived from Efficiency Analysis	287–315
X. Cai and X. Zhou / Single-Machine Scheduling with Exponential Processing Times and General Stochastic Cost Functions	317–332
C.T. Ng, X. Cai, T.C.E. Cheng and S.S. Lam / Minimizing Completion Time Variance with Compressible Processing Times	333–352

VOLUME 31, No. 3 – MARCH 2005

U.G. Nuriyev / An Approach to the Subproblem of the Cutting Angle Method of Global Optimization	353–370
H. Yang and J. Yu / Unified Approaches to Well-Posedness with Some Applications	371–381
P.H. Sach, D.S. Kim and G.M. Lee / Generalized Convexity and Nonsmooth Problems of Vector Optimization	383–403
G. Isac / Complementarity Problems and Variational Inequalities. A Unified Approach of Solvability by an Implicit Leray-Schauder Type Alternative	405–420
A. Taa / Optimality Conditions for Vector Optimization Problems of a Difference of Convex Mappings	421–436
A. Demyanov / On the Solution of Min-sum-min Problems	437–453
A. Uderzo / Fixed Points for Directional Multi-Valued $k(\cdot)$ -Contractions	455–469
H. Huang / Asset Pricing under Progressive Taxes and Existence of General Equilibrium	471–491

A.E. Xavier and A.A.F. de Oliveira / Optimal Covering of Plane Domains by Circles Via Hyperbolic Smoothing	493–504
S. Migórski / Boundary Hemivariational Inequalities of Hyperbolic Type and Applications	505–533
M. Hirschberger / Computation of Efficient Compromise Arcs in Convex Quadratic Multicriteria Optimization	535–546

VOLUME 31, No. 4 – APRIL 2005

Special Issue on the Stochastic Optimisation Workshop, Hanmer Springs, New Zealand, June 2001 (“LetSGO 01”)

Guest Editors: Graham Wood, Bill Baritompa and David Bulger

G. Wood, B. Baritompa and D. Bulger / Foreword	547–548
M. Locatelli and G.R. Wood / Objective Function Features Providing Barriers to Rapid Global Optimization	549–565
B. Baritompa and E.M.T. Hendrix / On the Investigation of Stochastic Global Optimization Algorithms	567–578
W.P. Baritompa, M. Dür, E.M.T. Hendrix, L. Noakes, W.J. Pullan and G.R. Wood / Matching Stochastic Algorithms to Objective Function Landscapes	579–598
D.W. Bulger and H.E. Romeijn / Optimising Noisy Objective Functions	599–600
D.L.J. Alexander, D.W. Bulger, J.M. Calvin, H.E. Romeijn and R.L. Sherriff / Approximate Implementations of Pure Random Search in the Presence of Noise	601–612
C. Khompatporn, J.D. Pintér and Z.B. Zabinsky / Comparative Assessment of Algorithms and Software for Global Optimization	613–633
M.M. Ali, C. Khompatporn and Z.B. Zabinsky / A Numerical Evaluation of Several Stochastic Algorithms on Selected Continuous Global Optimization Test Problems	635–672
Volume Contents	673–675
List of Contributors	677