Vol. 162, No. 2

August 2014

162(2) 347–694 (2014)

ISSN 0022-3239

FIU
J80/07

JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS

Springer

Available online
www.springerlink.com

Journal of Optimization Theory and Applications

Volume 162 · Number 2 · August 2014

Perface: Special JOTA Issue on "Variational Aspects of Vector Optimization" 347

Necessary Nondomination Conditions in Set and Vector Optimization with Variable Ordering Structures
T.Q. Bao · B.S. Mordukhovich **350**

A Steepest Descent-Like Method for Variable Order Vector Optimization Problems

J.Y. Bello Cruz · G. Bouza Allende **371**

A Subgradient-Like Algorithm for Solving Vector Convex Inequalities
J.Y. Bello Cruz · L.R. Lucambio Pérez **392**

Stochastic Optimization over a Pareto Set Associated with a Stochastic Multi-Objective Optimization Problem
H. Bonnel · J. Collonge **405**

A New Scalarization Technique to Approximate Pareto Fronts of Problems with Disconnected Feasible Sets
R.S. Burachik · C.Y. Kaya · M.M. Rizvi **428**

Isolated and Proper Efficiencies in Semi-infinite Vector Optimization Problems
T.D. Chuong · J.-C. Yao **447**

On Higher-Order Sensitivity Analysis in Nonsmooth Vector Optimization
H.T.H. Diem · P.Q. Khanh · L.T. Tung **463**

Numerical Procedures in Multiobjective Optimization with Variable Ordering Structures
G. Eichfelder **489**

Existence and Boundedness of Solutions in Infinite-Dimensional Vector Optimization Problems
C. Gutiérrez · R. López · V. Novo **515**

Characterizing the Nonemptiness and Compactness of the Solution Set of a Vector Variational Inequality by Scalarization
X.X. Huang · Y.P. Fang · X.Q. Yang **548**

The Pascoletti–Serafini Scalarization Scheme and Linear Vector Optimization
N.T.T. Huong · N.D. Yen **559**

Enhanced Efficiency in Multi-objective Optimization
Y. Jiang · S. Deng **577**

Existence of Solutions of New Generalized Mixed Vector Variational-Like Inequalities in Reflexive Banach Spaces
S. Plubtieng · T. Thammathiwat **589**

Characterization of Approximate Solutions of Vector Optimization Problems with a Variable Order Structure
B. Soleimani **605**

A Class of Differential Vector Variational Inequalities in Finite Dimensional Spaces

X. Wang · N.-j. Huang **633**

An Approximate Exact Penalty in Constrained Vector Optimization on Metric Spaces
A.J. Zaslavski **649**

Lagrange Multiplier Rules for Weak Approximate Pareto Solutions of Constrained Vector Optimization Problems in Hilbert Spaces
X.Y. Zheng · R. Li **665**

Scalarization of ϵ-Super Efficient Solutions of Set-Valued Optimization Problems in Real Ordered Linear Spaces
Z.-A. Zhou · X.-M. Yang **680**

Instructions for Authors for *J Optim Theory Appl* are available at www.springer.com/10957.