

CONTENTS

---

To the memory of Alexei Alexeevich Milyutin	5
M. GALEWSKI:	11
On some connection between invex and convex problems in non-linear programming	
L. HOLZLEITNER:	23
Hausdorff convergence of domains and their boundaries for shape optimal design	
E. MLYNARSKA:	45
Dual sufficient optimality conditions for optimal control	
U. RAITUMS:	55
Counterexample to extension via convexification of optimal control problems for elliptic systems	
B. BREZHNEV, V. MUKHA:	63
Model for evaluation of the maneuvering object's trajectory using Kalman filter	
X. ZHANG, Y. YAMANE:	71
Optimal design of model following control with genetic algorithm	
J. CZECZOT, M. METZGER, J.P. BABARY, M. NIHTILÄ:	81
Application of the substrate consumption rate to the monitoring of distributed parameter bioreactors	
L. KLUKOWSKI, E. KUBA:	99
Minimisation of public debt servicing costs based on nonlinear mathematical programming approach	

A. MAHMOOD:	115
Task allocation algorithms for maximizing reliability of heterogeneous distributed computing systems	

*Book reviews*

J. Klamka:	131
Stabilization of Linear Systems (by V. Dragan and A. Halanay)	
J. Krawczyk:	135
Stochastic and Differential Games (by M. Bardi, T. Parthasarathy and T.E.S. Raghavan, eds.)	
J. Szmidt:	141
Number Theoretical Methods in Cryptography (by I. Shparlinski)	