

Control and Cybernetics

VOL. 11 (1982) No. 3-4

CONTENTS

SPIS TREŚCI

СОДЕРЖАНИЕ

Editorial

OHNO K., ZDRZĄŁKA S. Modified policy iteration algorithms for discounted Markov games	81
Algotytmzy zmodyfikowanej metody iteracji polityk dla dyskontowych gier Markova	92
Алгоритмы модифицированного метода итераций политик для учетных марковских игр	92
NGUYEN THANH BANG: A combination of Picard's method and time-decomposition technique for the stiff monlinear two-point boundary value problems	93
Połączenie metody Picarda z dekompozycją w czasie dla sztywnych nieliniowych dwupunktowych zagadnień brzegowych	108
Объединение метода Пикарда с декомпозицией во времени для жестких нелинейных двучесных краевых задач	108
STUDNIARSKI M. Necessary optimality conditions for a nonsmooth discrete control problem	109
Warunki konieczne dla niegładkich zadań sterowania	119
Необходимые условия оптимальности для негладких дискретных задач управления	119
MYŚLIŃSKI A. A nonsmooth optimal design problem of bending thin plates	121
Niegładkie zadanie optymalnego projektowania cienkich płyt sprężystych	133
Негладкие задачи оптимального проектирования упругих листов	134
STACHOWIAK T., STAŃCZAK W. A backward iteration technique for partitioning a set of entities due to their mutual dissimilarities	135
Metoda iteracyjnego wstecznego podziału zbioru obiektów ze względu na ich wzajemne zróżnicowanie	147
Обратная итеративная техника разделения множества элементов на основании их взаимного различия	147

Editorial

This journal is edited by the Systems Research Institute of the Polish Academy of Sciences. Its main objective is to stimulate the development of cybernetical and systems sciences by publishing papers by authors from the Institute as well as from Poland and abroad.

The field of interest covers general concepts, theories, methods and techniques associated with control and management in various systems (e.g. technological, economical, ecological, social).

The journal is particularly interested in results in the following areas of research:

- Systems and control theory
 - General systems theory
 - Optimal control and optimization theory
 - Optimization algorithms
 - Modelling and identification
 - Decomposition and coordination methods
 - Game theory and polioptimization
 - Stochastic and fuzzy systems
- Systems control and management
 - System analysis of national and regional development
 - Modelling and control of complex systems (e.g. energy, water, industrial, agriculture)
 - Computer aided management and control
 - Methodological aspects of applications of control and systems methods

We hope that Control and Cybernetics will contribute to the development of systems and control sciences and will stimulate and encourage applications of systems approach in different areas.