
CONTENTS

Special Issue to Honour Fredi Tröltzsch on his 60th anniversary	897
Fredi Tröltzsch turns sixty	899
A. ALT, M. SEYDENSCHWANZ: Regularization and discretization of linear-quadratic control problems	903
M. BERGOUNIOUX: Poincaré-Wirtinger inequalities in bounded variation function spaces	921
E. CASAS, M. MATEOS: Dirichlet control problems in smooth and nonsmooth convex plain domains	931
K. DECKELNICK, M. HINZE: Identification of matrix parameters in elliptic PDEs	957
B. KALTENBACHER, I. LASIECKA, R. MARCHAND: Wellposedness and exponential decay rates for the Moore-Gibson-Thompson equation arising in high intensity ultrasound	971
H. KASUMBA, K. KUNISCH: On shape sensitivity analysis of the cost functional without shape sensitivity of the state variable	989
A. KIRCHNER, D. MEIDNER, B. VEXLER: Trust region methods with hierarchical finite element models for PDE-constrained optimization	1019
K. MALANOWSKI: Sensitivity analysis for state constrained optimal control problems	1043

E.W. SACHS, S.M. SACHS: Nonmonotone line searches for optimization algorithms	1059
J. SOKOŁOWSKI, J. STEBEL: Shape sensitivity analysis of time-dependent flows of incompressible non-Newtonian fluids	1077
J. SPREKELS, D. TIBA: Extensions of the control variational method	1099
S. VOLKWEIN: Optimality system POD and a-posteriori error analysis for linear-quadratic problems	1109
D. WACHSMUTH, G. WACHSMUTH: Regularization error estimates and discrepancy principle for optimal control problems with inequality constraints	1125
Regular Papers	1159
M. CHMIELEWSKI, I. KALISZEWSKI: Multiple criteria ranking decision support	1161
M. EKES: Comparing two ways of measuring the power of party members in simple majority voting games	1189
E. FIGIELSKA: Linear programming & metaheuristic approach for scheduling in the hybrid flowshop with resource constraints	1209
G. KOZIEL: Steganographic algorithm of hiding information in sound based on Fourier transform and masking	1231
Volume content, authors & referees	1249
Table of contents of volume 40 (2011)	1251
Alphabetical list of contributors of volume 40 (2011)	1255
The list of volume's referees	1259