## Contents

H.T. Banks, K. Ito and C. Wang: Exponentially stable approximations of weakly damped wave equations	1
H.T. Banks, F. Kappel and C. Wang:  Weak solutions and differentiability for size structured population models	35
JOHN A. BURNS AND SUNGKWON KANG: A stabilization problem for Burger's equation with unbounded control and observation	51
OVIDIU CÂRJĂ:  The minimal time function for the heat equation with boundary control	73
ZHIMING CHEN AND KH. HOFFMANN:  Numerical solutions of the optimal control problem governed by a phase field model	79
Doina Cioranescu, Patrizia Donato and Enrike Zuazua:  Strong convergence on the exact boundary controllability of the wave equation in perforated domains	99
H.O. FATTORINI:	
Relaxed controls in infinite dimensional control systems	115
PIOTR GRABOWSKI: On a problem of the best $\mathbb{L}^2$ -approximation with exponential sums	129
Kenneth B. Hannsgen and Robert L. Wheeler: A representation formula for one-dimensional viscoelasticity with stabilizing boundary feedback	139
J. HASLINGER AND P.D. PANAGIOTOPOULOS: Optimal control of hemivariational inequalities. Continuous case	149

M. Heinkenschloss, M. Laumen and E.W. Sachs:	
Gauss-Newton methods with grid refinement	161
Akira Ichikawa:	
Steady-state solutions in tracking problems	175
JAAN JANNO: On an inverse problem for determining the creep function with a given boundary data close to a singular function	187
JONG UHN KIM:  A unique continuation property of a beam equation with variable coefficients	197
FUMIO KOJIMA: A computational method for thermal tomography by time dependent boundary integral equation method	207
A.B. KURZHANSKI AND A.YU. KHAPALOV:	
The state estimation problem for parabolic systems	219
JOHN E. LAGNESE:	
Modelling and stabilization of nonlinear plates	247
MICHAEL PEDERSEN:	
Symbolic boundary calculus and feedback operators	265
I.G. ROSEN AND POORNIMA RAGHU:  Approximation in the identification of degenerate distributed parameter systems: Generalized Galerkin schemes and non-conforming elements	273
	210
Tomáš Roubíček: Optimization of a Stefan problem by nonsmooth methods	90"
	295
S.S. SRITHARAN:	
Dynamic programming of the Navier-Stokes equations	303
XUE-CHENG TAI AND PEKKA NEITTAANMÄKI: On the numerical solution of the distributed parameter identification problem	317

Daniel Tataru:	
On the equivalence between the dynamic programming princi-	
ple and the dynamic programming equation	331
D. TIBA, P. NEITTAANMÄKI AND R. MÄKINEN:	
Controllability-type properties for elliptic systems and applica-	
tions	341
G. VAINIKKO:	
Parameter choice in Tikhonov regularization of ill-posed ex-	
tremal problems	355
George Weiss:	
Two conjectures on the admissibility of control operators	367
1 40 conjectures on the damnestolity of control operators	301
Masahiro Yamamoto:	
Feedback stabilization for nondissipative hyperbolic equations	379