Control and Cybernetics

vol. 27 (1998) No. 2

CONTENTS

Table of contents 161

J. SOKOLOWSKI and J. TAYLOR: 163
Preface

C. CINQUINI, C. MARIANI and P. VENINI: 165
Mixed finite element formulation and optimal design of thin composite laminates

S.T. CHRISTENSEN and N. OLHOFF: 177
Shape optimization of a loudspeaker diaphragm with respect to sound directivity properties

M. BROKATE and P. KREJCI and D. RACHINSKII: 199
Some analytical properties of the multidimensional continuous Mroz model of plasticity

R. LIPTON: 217
On existence of energy minimizing configurations for mixtures of two imperfectly bonded conductors

J. FOLGADO and H. RODRIGUES: 235
Structural optimization with a non-smooth buckling load criterion

M.P. BENDSOE and J.E. TAYLOR and P.D. WASHABAUGH: 255
A formulation for optimal continuum structures with a decomposition of material properties into specified and designable parts

A.V. CHERKAEV, L.A. KROG, I. KUCUK: 265
Stable optimal design of two-dimensional elastic structures

K. LURIE: 283
G-closures of material sets in space-time and perspectives of dynamic control in the coefficients of linear hyperbolic equations

P. PEDERSEN and D.A. TORTORELLI: 295
Constitutive parameters and their evolution

A.M. KHLUDNEV and J. SOKOLOWSKI: 311
On solvability of boundary value problems in elastoplasticity