## JOURNAL OF APPLIED MATHEMATICS AND MECHANICS CONTENTS OF NEXT ISSUE

Volume 56, No. 5, 1992

- Yu. A. ANTIPOV and N. Kh. ARUTIUNIAN: Contact problems of the theory of elasticity for wedge-like regions under conditions of friction and cohesion
- S. V. KUZNETSOV: Direct version of the method of boundary integral equations in the theory of elasticity
- V. Ya. TERESHENKO: Dual uncoupled formulations of the variational boundary element method in problems of the theory of elasticity
- K. Yu. VOLOKH: Regular asymptotic methods in the analysis of triple-layered plates
- D. D. ZAKHAROV: Asymptotic analysis of three-dimensional dynamic equations of the theory of elasticity for a thin multi-layered plate of arbitrary structure
- Yu. D. KAPLUNOV and E. V. NOL'DE: A two-parameter asymptotic analysis of dynamic equations of the theory of elasticity for the case of plate bending
- S. A. NAZAROV and O. R. POLIAKOVA: Deformation of elastic bodies with thin connectors
- G. Ya. POPOV: Non-axially symmetric problem of stress concentrations in an unbounded elastic medium near a spherical cut
- E. V. GLUSHKOV, N. V. GLUSHKOVA and E. V. KIRILLOV: Dynamic contact problem of a circular stamp adhering to an elastic layer
- F. M. BORODICH and A. B. MOSOLOV: Fractal roughness in contact problems
- E. G. POLISHCHUK: The boundary element method for the analysis of visco-rigid-plastic flows
- V. M. NEBOGATOV and Yu. V. NEMIROVSKII: Lower estimates of limit loads of ideally plastic structures
- F. L. CHERNOUS'KO: Bounded control in systems with distributed parameters
- V. F. ZHURAVLEV: On the control by oscillation modes in resonance systems
- A. G. IVANOV: Optimal control of almost periodic motions
- V. E. BERBIUK: Use of first integrals to estimate limiting possibilities of optimal control systems
- R. GABASOV, F. M. KIRILLOVA and O. I. KOSTYUKOV: A method of optimal control of motion of a dynamical system for continuously acting excitations
- V. N. KUTRUNOV: Quaternion method for regularization of integral equations of the theory of elasticity
- V. M. LYUBIMOV and G. I. PSHENICHNOV: On natural vibrations of a momentless spherical shell
- G. I. NAZAROV and A. A. PUCHKOV: On the problem of torsion of a shallow circular cylinder with changing shear moduli
- M. A. SUMBATYAN: The method of global random search in inverse problems with application to the problem of shape detection of a defect
- A. G. KOLPAKOV: On the effect of long-time memory in homogeneous plates