JOURNAL OF APPLIED MATHEMATICS AND MECHANICS CONTENTS OF NEXT ISSUE

Volume 58, No. 1, 1994

- V. N. TKHAI: Some problems on the stability of a reversible system with a small parameter
- V. V. BELETSKII and A. V. GRUSHEVSKII: Evolution of rotational motions of a satellite under the action of a dissipative aerodynamic moment
- M. Z. YESENBAYEVA and A. D. MYSHKIS: Rolling kinematics of a rigid body along two lines
- V. V. LUNEV: Meromorphic solutions of the equations of motion of a heavy rigid body with a fixed point
- A. V. MARCHENKO: Model of a drifting ice plate
- N. B. IL'INSKII and D. A. FOKIN: Design of cavitationless hydrofoils on the basis of the solution of a mixed inverse boundary-value problem
- F. A. KRIVOSHEI: Model of a two-speed motion of a barotropic two-phase medium
- V. V. LIAKH and S. P. MINEYEV: Mathematical modelling of vibrational effect on a gas-bearing coal stratum
- B. Ye. POBEDRIYA: The problem of an anisotropic medium in terms of stresses
- Yu. V. ZELENEV and O. I. MEDVEDKOV: Description of the stress-deformation state of a wedge-shaped plate
- Yu. I. VINOGRADOV and G. B. MEN'KOV: Functional normalization in solving boundaryvalue problems for cylindrical shells
- L. D. AKULENKO and S. V. NESTEROV: Parametric membrane vibrations in a variable electric field
- L. A. ALEKSEYEVA: Somigliani's formulae for the solution of the equations of elastodynamics for the case of moving loads
- M. M. KHASANOV: Scale invariance of time hierarchies in relaxation processes of viscoelastic media
- Ye. V. KOVALENKO: Modelling of contact interaction of rough bodies in the presence of lubrication
- S. M. MKHITARYAN: Impression of a strip-like stamp into a half-space deforming according to a power law
- V. M. ALEKSANDROV and D. A. POZHARSKII: Contact stresses at the apex of a wedge-like stamp appearing at the rib of an elastic spatial wedge
- S. I. REPIN: Solutions of the mathematical theory of plasticity containing discontinuities in the displacement fields
- I. M. LAVITT: Boundary integral equations for a curvilinear edge crack
- A. A. LOKSHIN: Head wave at the boundary of two hereditary elastic half-spaces. Case of linear source
- I. V. PANFEROV: Deformation of a cone from a transversely isotropic material under the action of temperature and axial force
- D. V. GEORGIYEVSKII: Stability of plane, ideally rigid-plastic Couette flow