



JOURNAL OF APPLIED MATHEMATICS AND MECHANICS
CONTENTS OF NEXT ISSUE
Volume 69, No. 3, 2005

- A.P. MARKEYEV: Constructive algorithm, of normalization of the periodic Hamiltonian
A.P. IVANOV: The properties of solutions of the principal problem of dynamics in systems with unilateral constraints
C. VALLEC, S. Ya. STEPANOV and S. CHARLES: Evaluation of the determinants of the identification equations for a non-linear model of a mechanical oscillation system
A.N. BOGDANOV and V. N. DIESPEROV: Modelling of unsteady transonic flow and the problem of stability of a transonic boundary layer
V. I. ZHUK: Cnoidal wave in a plane wall jet of incompressible viscous fluid
V. S. GALKIN and S. V. RUSAKOV: Burnett's model of the shock wave structure in a molecular gas
S. A. SAVKOV AND A. A. YASHKANOV: Analytical solution of the time-dependent kinetic equation for a diatomic gas
S. L. GORELOV: Application of self-similar interpolation method for rarefied gas dynamics problems
Ye. V. BABENKOVA, Yu. D. KAPLUNOV and Yu. A. USTINOV: Saint-Venant's principle for low-frequency oscillations of a half strip
G. Ye. POPOV: The axisymmetric problems of elasticity for a truncated hollow cone
N. D. VAISFEL'D: The transient problem of the elastic stress concentration near a conical defect
N. G. KHOMASURIDZE: Some boundary-value problems of elastic and thermoelastic balance of wedge-shaped bodies
V. S. NIKISHIN: Steady motion of a circular crack at the interface between a layer and a half-space
S. A. NAZAROV: A crack at the interface of anisotropic bodies: singularities of elastic fields and fracture criteria in the case of contacting surfaces
A.O. VATUL'YAN and A. N. SOLOV'YEV: Reconstruction of plane cracks in an anisotropic elastic solid
Call for papers