



ELSEVIER

Contents lists available at ScienceDirect

Journal of Applied Mathematics and Mechanics

journal homepage: www.elsevier.com/locate/jappmathmech



JOURNAL OF APPLIED MATHEMATICS & MECHANICS CONTENTS OF NEXT ISSUE Volume 73, No. 4, 2009

Announcement

- A.V. KARAPETYAN: The two-parameter model of friction
L.D. AKULENKO: Brachistochrome problem for a disk
V.D. IRTEGOV and T.N. TITORENKO: The invariant manifolds of systems possessing first integrals
V.G. VIL'KE: On the motion of a wheel set
N.N. VERICHEV, S.N. VERICHEV and V.I. YEROFEYEV: On the dynamics of a "flexible rotor-energy supply of limited power" system
S.A. RESHMIN: Bifurcation in the minimum time problem for a second-order non-linear system
S.A. GANEBNYI, S.S. KUMKOV and V.S. PATSKO: Extremal aiming for problems with unknown levels of dynamic disturbance
YU.A. CHIRKUNOV: Conservation laws and group properties of gas dynamics equations with zero velocity of sound
E.N. BERESLAVSKII: Construction of the equivelocity contour of a dam base with water support
I.B. BADRIYEV, O.A. ZADVORNOV, L.N. ISMAGILOV and E.V. SKVORTZOV: Solving the plane problems of seepage theory in the presence of a point source
R.M. KHAFIZOV, I.G. KHUSAINOV and V.SH. SHAGAPOV: Dynamics of the restoration of pressure in a "vacuum" borehole
YE.V. GLUSHKOV, N.V. GLUSHKOVA, A.A. YEREMIN and V.V. MYKHAS'KIV: Layered element method in the dynamic theory of elasticity
A.A. LUK'YANOV and V.B. PEN'KOV: Shock wave propagation in anisotropic materials
I.V. KAMOTSKII and A.P. KISELEV: An energetic approach to a proof of existence of a Rayleigh wave in a half-space
R.D. BANTSURI and N.N. SHAVLAKADZE: The contact problem for piecewise homogeneous elastic plane with semi-infinite inclusion
A.A. BURENIN, L.V. KOVTANYUK and A.V. LUSHPEI: Transient process of damping of a rectilinear visco-plastic flow after abrupt removal of loading stresses