

Available online at www.sciencedirect.com



Journal of APPLIED MATHEMATICS AND MECHANICS

Journal of Applied Mathematics and Mechanics 71 (2007) 479

www.elsevier.com/locate/jappmathmech

## JOURNAL OF APPLIED MATHEMATICS AND MECHANICS CONTENTS OF NEXT ISSUE Volume 71, No. 4, 2007

Irina Georgiyevna Goryacheva: Jubilee Tribute

I.G. GORYACHEVA and Yu.Yu. MAKHOVSKAYA: Adhesive resistance in rolling of elastic bodies

N.N. ROGACHEVA: Dynamic behaviour of piezoelectric layered bars

L.A. ALEKSEYEVA: Dynamics of an elastic half-space under the action of a running load

L.M. ZUBOV: The equilibrium problem for a helical spring in non-linear three-dimensional elasticity

N.V. BANICHUK: Optimization of axisymmetric membrane shells

A.A. MARKIN and M.Yu. SOKOLOVA: Non-linear relations of anisotropic elasticity and partial postulate of isotropy

E.A. IVANOVA, A.M. KRIVTSOV and N.F. MOROZOV: Macroscopic relations of elasticity for complex crystal lattices using moment interaction on a microscale

V.I. KONDAUROV: Thermodynamically consistent equations of a thermoelastic saturated porous medium

A.I. GLUSHKO and I.I. NESHCHERETOV: An approach for constructing models of multiphase porous elastic media

G.V. KOSTIN and V.V. SAURIN: Asymptotic approach to a problem of free vibrations of a beam

G. IOVANE, M.A. SUMBATYAN and V. TIBULLO: Mixed boundary value problem for the wave equation in a stratified medium under high-frequency oscillations

I.A. SOLDATENKOV: On calculation of energy loss in sliding elastic contact with friction and wear (plane problem) Ye.V. GLUSHKOV, N.V. GLUSHKOV and M.V. GOLUB: Elastic wave diffraction by an inclined crack in a layer