

Contents lists available at ScienceDirect

Journal of Applied Mathematics and Mechanics





JOURNAL OF APPLIED MATHEMATICS & MECHANICS CONTENTS OF NEXT ISSUE Volume 73, No. 3, 2009

LEV VASIL'EVICH OVSYANNIKOV: (90th birthday tribute)

B.S. BARDIN and A.M. CHEKIN: On non-linear oscillations of a Hamiltonian system at 3:1 resonance

M.Z. DOSAYEV, CHING-HUE LIN, WEN-LUNG LU, V.A. SAMSONOV and YU.D. SELYUTSKII: Qualitative analysis of steady modes of a small wind turbine

O.N. GONCHAROVA: Modelling of micro convection in an infinite strip

S.M. ZEN'KOVSKAYA and V.A. NOVOSYADLYI: The effect of high-frequency progressive vibration on the convective instability of a two-layer fluid

KH.F. VALIYEV: Reflection of a shock wave from the centre of the axis of symmetry at the adiabatics exponents from 1.2 to 3

N.B.IL'INSKII, D.V. MAKLAKOV and R.F.MARDANOV: Interaction of a free stream and a flow from a point source which have dissimilar Bernoulli constants

N.K. AKHMEDOV and YU.A.USTINOV: Analysis of boundary layer structure in the problem of torsion of a laminated spherical shell

A.I. MUNITSYN: Non-linear oscillations of a rod with close values of the cross-section axial moments of inertia

A.A. DOBROSKOK and A.M. LIN'KOV: Complex variable equations and numerical solution of harmonic problems for piecewise homogeneous media

G.V. KOSTIN and V.V. SAURIN: The method of integrodifferential relations in the analysis of membrane eigenoscillations

N.V. LARIN and L.A. TOLOKONNIKOV: Diffraction of a planar acoustic wave on an inhomogeneous thermoelastic cylindrical layer, bounded by inviscid heat-conducting liquids

A. SCALIA: Harmonic oscillations of a rigid punch on the porous elastic layer

A.S. KRAVCHUK: Variational method in contact problems. Modern state and trends

A.KH. GELIG and A.N. CHURILOV: Conditions for instability of a non-linear discrete-time system in the critical case of two unit roots Results of the International Conference on 'Control of Dynamical Systems'

A.A. MELIKYAN: Obituary