

CONTENTS OF NEXT ISSUE

PMM Vol. 31, No. 2, 1967

- G. A. GRINBERG : On a possible method of approach to the consideration of problems of the theory of heat conduction, diffusion, wave motion and related problems in the presence of moving boundaries and certain other applications
- V. M. BABICH and T. S. KRAVTSOVA : On the propagation of oscillations of the wave layer type with quantized thickness
- L. A. MOLOTKOV : On vibrations of a homogeneous elastic half-space under the action of a source applied to a uniformly expanding circle
- A. G. ALENITSYN : Rayleigh waves in a nonhomogeneous elastic half-space of wave conduction type
- I. I. VOROVICH and O. S. MALKINA : The state of stress in a thick plate
- R. F. NAGAEV : Regular impulsive motions in a one-dimensional system
- FAM GUEN : On the equations of motion of nonholonomic mechanical systems in terms of Poincaré-Chetaev variables
- V. V. RUMIANTSEV : On the stability of motion of nonholonomic systems
- V. I. IUDOVICH : Stability of convective flows
- S. V. FAL'KOVICH : Propagation of a twisted jet in unbounded space containing the same liquid
- V. A. GORODTSOV and A. I. LECNOV : On linear instability of plane parallel Couette flow of a viscoelastic liquid
- I. V. NEMCHINOV : Stationary regime of motion of radiation-heated vapors of substances in the presence of side flow
- V. N. PED' and I. B. SIMONENKO : A stationary problem in heat conduction in a layer with conditions of heat transfer at the boundary
- M. N. REPNIKOV : On the Karman-Howarth equation
- E. B. POPOV : A dynamic coupled problem of thermoelasticity for a half-space taking into account a finite velocity of heat propagation
- B. V. KOSTROV and L. V. NIKITIN : The crack of longitudinal shear in an infinitely narrow plastic zone
- G. Ia. POPOV : Indentation of a die into a linearly deformable foundation taking the friction forces into account
- S. G. SAMKO : On the reduction of certain integral equations of the first kind of the theory of elasticity and hydrodynamics to the equations of the second kind

- D. D. IVLEV : On the dissipation function in the theory of hardening plastic media
- R. N. RUDAKOV : The spectrum of perturbations and stability of convective motion between vertical planes
- S. A. REGIRER : Magneto-hydrodynamic flows in pipes in the presence of longitudinal current
- K. A. LUR'E : On a class of minimax problems with differential constraints
- A. P. PROSKURIAKOV : Periodic solutions of quasi-linear nonautonomous systems with one degree of freedom in singular cases
- I. M. BELEN'KII : Application of the method of adjoint fields to nonlinear systems
- A. A. BOGOIAVLENSKII : Properties of virtual displacements for reciprocity theorems of parts of mechanical systems
- V. I. VOZLINSKII : On the relation of the bifurcation of equilibria of conservative systems with the distribution of stability on the equilibrium curve