CONTENTS OF NEXT ISSUE

PMM Vol.30, № 3, 1966

- O.A. OLEINIK: On the stability of solutions of the system of boundary layer equations for the nonsteady flow of an incompressible fluid
- V.V. GOGOSOV: Boundary layers in fully ionized two-temerature plasma
- A.B. VATAZHIN: Electric fields in magnetohydrodynamic channels in presence of potential drop at the electrode
- A.G. ISTRATOV and V.B. LIBROVICH: Influence of transport processes on the stability of a plane flame-front
- V.G. LEVICH and V.P. MIASNIKOV: Kinetic model of a fluidized layer
- F.L. CHERNOUS'KO: Motion of a body with cavity filled with a viscous fluid, at large Reynolds numbers
- T.V. KHARITONOVA: Equations of rotational motion of gravitational satellite with deformable stabilizers
- V.L. BERDICHEVSKII: Construction of models of continuous media by means of variational principle
- M.A. IDIN: Anisotropic continuous media, in which energy and the stresses depend on the gradients of the strain tensor and other tensor quantities
- I.A. KUNIN: Model of an elastic medium of simple structure with threedimensional dispersion
- G.Ia. POPOV: Plane contact problem of the theory of elasticity with bonding or frictional forces
- L.N. KARPENKO: Approximate solution of a singular integral equation by means of Jacobi polynomials
- P.O. GALFAIAN and K.S. CHOBAIAN: Solution of a contact problem for an elastic rectangle.
- L.S. SRUBSHCHIK: On the existence of a solution to the problem of the equilibrium of a circular membrane
- R.Ia. SUNCHELEEV: The elastic equilibrium of an infinite, transversely isotropic body, weakened by an internal flat circular cut
- M.I. ROZOVSKII and E.S. SINAISKII: Vibrations of an oscillator with residual creep
- N.N. KOLESNIKOV: Regular precession of a free gyrostat
- Iu.G. EVTUSHENKO: Influence of tangential acceleration on the motion of a satellite
- V.A. KOSMODEM'IANSKII: Sufficient conditions for the absolute extremum in a variational problem of the Bolza-Meyer type
- I.M. BELEN'KII: On sufficient conditions for the absence of periodic trajectories in conservative systems
- B.M. BULAKH: Supersonic flow of a viscous gas in the region of a weak shock
- V.A. LEVIN: Nonsteady flow of rarefied gas