

## CONTENTS OF NEXT ISSUE

PMM Vol.28, № 3, 1964

- V.V. NOVOZHILOV: On complex loading and on perspectives for a phenomenological approach to a study of micro-stresses
- V.A. PAL'MOV: Basic equations of the theory of asymmetric elasticity
- D.P. KOUZOV: On the phenomenon of resonance in diffraction of a hydroacoustic wave at a system of slits in an elastic plate
- S.V. SIMEONOV: Some methods of solving nonlinear problems of the mechanics of deformable bodies
- L.A. FIL'SHTINSKII: Stresses and displacements in an elastic plane weakened by a doubly periodic system of like circular cavities.
- G.Ia. POPOV: Some properties of classical polynomials and their application to contact problems
- A.K. NIKITIN and S.A. PODREZOV: On the three-dimensional problem of waves at the surface of a viscous fluid of infinite depth
- A.F. SIDOROV: On compression shocks in three-dimensional flows with a degenerate hodograph
- E.G. SAKHNOVSKII: Single fluid equations of the dynamics of partially ionized gas in a strong magnetic field
- R.F. NAGAEV: On synchronization of almost like dynamic systems close to the system of Liapunov
- M.S. GABRIELIAN: On the stabilization of unstable motions of mechanical systems
- P.V. KHARLAMOV: Kinematic interpretation of the motion of a body having a fixed point
- A.A. BOGOIAVLENSKII: A linear integral of cyclic displacement for a gyroscope on gimbals
- D.M. KLIMOV: On conditions of nonexcitability of a gyroscopic frame
- N.A. FUFAEV: On the possibility of realizing nonholonomic constraints by means of viscous friction forces
- I.A. KEIS: On algebraic integrals in the problem of motion of a heavy gyrost fixed at one point
- Iu.A. ARKHANGEL'SKII: On a motion of the Kovalevski gyroscope
- E.A. BARBASHIN and V.A. TABUEVA: Theorems on asymptotic stability of the solutions of some differential equations of third-order with discontinuous characteristics
- Iu.N. IVANOV: Step-wise approximation of optimum control

- M.I. IMANALIEV and K.B. KAKISHOV: On the theory of optimum systems with aftereffects
- Iu.V. KOZHEVNIKOV: On the optimization of control systems with random parameters
- Iu.P. SAMARIN: On a nonlinear problem of the wave equation in one-dimension
- A.V. SHIPILIN: On bodies with minimum wave resistance in nonsteady gas flow
- B.M. BULAKH: On higher approximations in boundary layer theory
- A.I. TOLSTYKH: On the structure of a curvilinear shock wave
- V.V. ANISIMOV and R.V. KHOKHLOV: On shock waves generated by viscous gas flow past thin profiles
- A.P. FROLOV: Plane slightly curved jet of an ideal incompressible fluid
- A.V. KUZNETSOV: On the problem of jet-like flow past a contour, which is in a state of small oscillations
- V.S. ANTSIFEROV and Kh.A. RAKHMATULIN: Propagation of compressible-shear disturbances in a nonlinearly elastic medium
- V.M. ALEKSANDROV: On the solution of a type of two-dimensional integral equations
- A.V. KOLOS: On a refinement of the classical theory of bending of circular plates
- O.K. AKSENTIAN and I.I. VOROVICH: On the determination of stress concentrations on the basis of applied theory
- A.M. BOGORODITSKII: Axisymmetric problem of nonlinear theory of elasticity for an incompressible medium
- G. LEITMANN: Remarks on the paper "Maximum range for a rocket in horizontal flight". *PMM* Vol.27, № 3, 1963