CONTENTS OF NEXT ISSUE

PMM Vol. 27, No. 1, 1963.

- A.I. LUR'E: Free fall of a material particle in the cabin of a satellite
- V.N. KOSHLIAKOV and V.F. LIASHENKO: On an integral in the theory of the gyrohorizoncompass
- G.K. POZHARITSKII and V.V. RUMIANTSEV: The minimum problem in the problem on the stability of motion of a rigid body with a cavity filled with a liquid
- V.V. TOKAREV: Influence of random deviations from the optimum thrust program on the motion of a body with variable mass and with constant power loss in a gravitational field
- E.A. LIDSKII: Optimum control of systems with random parameters
- Iu.V. VANDAKUROV: On the stability of a well conducting plasma string in a magnetic field
- M.D. LADYZHENSKII: On a magnetohydrodynamic hypersonic flow past a wedge
- G.S. GOLITSYN: Computation of correlations in a locally isotropic turbulent flow
- I.G. FILIPPOV: On the theory of diffraction of weak shock waves round contours of arbitrary shape
- A.D. PATARAIA: Propagation of a solitary wave in a plasma along a magnetic field
- N.V. ZVOLINSKII and G.V. RYKOV: Refraction of a plastic wave at a barrier
- V.A. SKRIPKIN: On a model of a dynamically hardening continuous medium in the theory of plasticity of Mises-Reuss
- L.B. LEVITIN, G.A. SKURIDIN and K.P. STANIUKOVICH: On the oscillation of an elastic nonhomogeneous layer with a curved boundary placed on an elastic nonhomogeneous half-space
- G.N. CHERNYSHEV: On the effect of concentrated forces and moments acting on an elastic thin shell of arbitrary shape

- V.D. BONDAR': On the possibility of considering the deformed and stressed states of a medium as the initial state
- S.G. LEKHNITSKII: On the problem of elastic equilibrium of an anisotropic strip
- G.P. CHEREPANOV: A problem on impression of an indentator with crack formation
- V.I. ROZENBLIUM: Approximate equations of creep of thin-walled shells
- N.N. SEREBRIAKOVA: Qualitative study of a system of differential equations in the theory of oscillations
- Iu.I. DOMSHLAK: On asymptotic stability of the solution of nonlinear parabolic system
- G.V. PLOTNIKOVA: On stability of periodic solutions of nonautonomous quasi-linear systems with one degree of freedom
- Iu.A. ARKHANGEL'SKII: On algebraic integrals in the problem on the motion of a rigid body in a Newtonian force field
- V.V. BELETSKII: On a case of motion of a rigid body about a fixed point in a Newtonian force field
- R.N. KAUFMAN: On a complete system of solutions of the linearized Navier-Stokes equations and its application to boundary value problems including flow past spheres
- V.M. BORISOV and Iu.D. SHMYGLEVSKII: The formulation of variational problems of gas dynamics
- A.L. GONOR: On three-dimensional bodies of minimum drag for hypersonic speeds
- Ia.G. SAPUNKOV: Hypersonic flow past a circular cone with an angle of attack