## CONTENTS OF NEXT ISSUE

PMM Vol. 23, No.2, 1959

- N.N. KRASOVSKII: On a problem of optimum control of nonlinear systems
- CHZHAN SY-IN: On stability of motion for a finite interval of time
- K.R. KOVALENKO: The influence of internal and external friction on the dynamic stability of bars
- K.F. CHERNYKH: The relation between dislocations and concentrated forces in the theory of shells
- V.S. CHERNINA: On a system of differential equations of equilibrium of shells with axial symmetry subjected to a loading which produces bending
- V.A. SVEKLO: On the solution of the dynamic problem of the theory of elasticity for a half-plane for mixed boundary conditions
- D.D. IVLEY: On the indentation of rigid dies into a plastic half-space
- V.D. KLIUSHNIKOV: On a possible manner of constructing plasticity relations
- M.D. LADYZHENSKII: Problems of flow past bodies in magnetohydrodynamics
- L.A. GALIN: Point source of light radiation in a dissipating medium
- L.N. SRETENSKII: On the theory of gas jets
- N.A. SLEZKIN: On the development of motion of a viscous and heat-conducting gas in a tube
- E.P. BORISOVA, P.P. KORIAVOV and N.N. MOISEEV: Plane and axially symmetric selfsimilar problems of immersion and mutual impact of jets
- Dzh. SALAMATOV: Flow of a liquid from an infinitely long axially symmetric vessel
- Iu. A. DEM' IANOV: Replacement of boundary layers during a change of liquids or gases
- G.I. MAIKAPAR: On wave resistance of nonaxisymmetric bodies in supersonic flow

- G.L. GRODZOVSKII: Supersonic axisymmetric conical flows with conical jumps bounding a parallel steady stream
- V.P. KOROBEINIKOV, E.V. RIAZANOV: The representation of the solution of the problem on point blasts in a gas in special cases
- G.I. NAZAROV: The exact solution of the axially symmetric problem of an ideal fluid
- A.A. KOSTIUKOV: On the lifting force of the source and the dipole in a bounded fluid flow
- Ia.Z. KLEIMAN: On the method of characteristics in the theory of motion of a multi-component medium
- A.A. GVOZDEV: On the conditions at the fronts of elastic waves propagated in a non-homogeneous medium
- S.D. KLIACHKO: On modeling the first fundamental problem of the plane theory of elasticity for multiply connected regions
- V.L. RVACHEV: On the pressure under an infinite beam resting on an elastic half-space
- L. I. SEDOV: On the concepts of simple loading and on possible ways of deformation
- L.S. ISAEVA: On the sufficient conditions of rotational stability of the top "tip-top" placed on an absolutely rough horizontal plane
- M.P. GULIAEV: On the rotational stability of rigid bodies with a fixed point in the Euler case
- S.N. SHIMANOV: On the generalization of a Liapunov proposition regarding the existence of periodic solutions
- A.I. LUR'E: Equations of disturbed motion in the Kepler problem
- A.N. GERASIMOV: On the steady state distribution of mutually gravitating particles