

CONTENTS OF NEXT ISSUE

PMM Vol. 24, No. 3, 1960

- L. I. SEDOV: Concepts of different rates of change of tensors
- A. A. IL' IUSHIN: Problems of the general theory of plasticity
- S. A. SHESTERIKOV: On the construction of a theory for an ideally plastic body
- V. A. PALMOV: The contact problem of a plate on an elastic foundation
- K. F. CHERNYKH: Saint-Venant's problem for thin-walled tubes with a circular axis
- S. G. LEKHNITSKII: Torsion of an anisotropic curved bar
- K. I. OGURTSOV: Stress waves in an elastic plate
- S. N. SHIMANOV: On the stability in the critical case of a zero root for systems with time lag
- G. K. POZHARITSKII: On the equations of motion for systems with nonideal constraints
- Ia. N. ROITENBERG: On the motion of gyroscopic equipment under the influence of random forces
- Iu. G. MAMALADZE and S. G. MATINIAN: On the hydrodynamics of oscillations of a disc in a rotating fluid
- I. G. FILIPPOV: Solution of the problem of vortex motion below the fluid surface for Froude's numbers close to unity
- L. V. KOMAROVSKII: On three-dimensional gas flows with a degenerate hodograph
- V. M. KISLER: On the problem of explosion above a fluid surface
- N. N. KOCHINA: On the properties of motion of certain ideal media after a point explosion
- O. M. BELOTSEKOVKII: On the analysis of flow past axisymmetric bodies with a detached shock wave on an electronic computer
- V. V. SYCHEV: On the theory of hypersonic gas flows with power-like density discontinuities

- A.B. VATAZHIN: On the flow in a diffuser in the presence of a magnetic field
- M.N. KOGAN: On the propagation of disturbances in plane magnetohydrodynamic flows
- E.D. TOMILOV: On a form of exact particular solutions of the equations of plane irrotational gas flow
- S.A. REGIRER: On the flow of an electricity-conducting fluid in the presence of a magnetic field in pipes of arbitrary profile
- Iu.L. ZHILIN: Basic relations at a strong stationary shock wave, causing a conductivity jump
- I.B. CHEKMAREV: On quasi-onedimensional stationary flow of a compressible conducting gas in a channel of constant cross-section in the presence of transverse magnetic and electric fields
- V.V. LUNEV: Self-similar case of hypersonic flow past an axisymmetric body of a viscous heatconducting gas
- V.S. CHERKASOV: On the problem of production of stationary waves in a channel of finite length by means of a wavegenerator
- B.N. RUMIANTSEV: On nonsteady motion of a heavy fluid at a sloping beach
- A.M. PIRVERDIAN: On self-similar motions in the theory of nonsteady filtration in a porous medium
- L.A. GALIN, Z.F. KARPYCHEVA, A.R. SHKIRICH: Flow from a lens of ground water
- M.M. FARZETDINOV: Stationary thermal convection in a circular horizontal tube with a harmonically changing cross-section
- V.Kh. KHARASAKHAL: Almost periodic solutions of nonlinear systems of differential equations
- V.V. KREMENTULO: The stability of a gyroscope, having a vertical axis of the outer ring, taking dry friction at the mounting axes into account
- A.M. TABAROVSKII: On the stability of motion of a heavy gyroscope on gimbal rings
- P.A. KUZ'MIN: Quadratic integrals of linear mechanical systems

V.M. STARZHINSKII: Stability of the trivial solution of a system of two linear differential equations with periodic coefficients

M.Ia. BELEN'KII: Some axially symmetric problems of elasticity theory