## CONTENTS OF NEXT ISSUE

## PMM Vol. 36, №1, 1972

- L. I. SEDOV: On conditions at strong discontinuities in the theory of gravitation
- V. N. USHAKOV: Extremum strategies in differential games with integral limitations
- G. A. KRYZHANOVSKII and V. A. SOLODUKHIN: Optimizing functional in combined guidance of dynamic objects
- I. M. BELEN'KII: On normal configurations of conservative systems
- V. N. RUBANOVSKII: On stability of some motions of a rigid body with elastic rods and with a liquid
- N.S. KOZIN: On stability of a plane shallow vortex
- O.F. MEN'SHIKH: On an exact solution of the equations of plane nonstationary gas motions
- L. A. OSTROVSKII and E. N. PELINOVSKII: The method of averaging and a generalized variational principle for nonsinusoidal waves
- N. R. SIBGATULLIN: On nonlinear transverse vibrations for resonance in an elastic layer and in a layer of an ideally conducting fluid
- V. M. ALEKSANDROV and V. A. BABESHKO: On pressure on an elastic half-space of a stamp with a wedge-like shape in the plane
- A. A. PASKALENKO and G. Ia. POPOV: Plane problem of bending of a semi-infinite beam on a linearly deforming foundation
- G. I. BYKOVTSEV and L.D. KRETOVA: On propagation of shock waves in elasto-plastic media
- V. Z. PARTON: Axisymmetric thermal problem for space with a penny-shaped crack
- I. ILIEV: Classification of linear integrals of a holonomic mechanical system with n degrees of freedom
- B. I. CHESHANKOV: Resonant oscillations of a torsional physical pendulum
- Iu. A. ARKHANGEL'SKII: On the motion of the Kowalewska gyroscope in the case of Delaunet
- M. V. LEVIT and V. A. IAKUBOVICH: Algebraic criterion of stochastic stability of linear systems with parametric white noise excitation
- A. I. SMORODIN: On waves on the surface of a liquid produced by the motion of an immersed ellipsoid of revolution
- G.S. MARKMAN: On convective instability of a fluid layer in a modulated field of external forces
- B. M. NULLER: Some contact problems for an infinite elastic wedge
- A.S. SUMBATOV: On integration of equations of dynamics with multipliers of constraints
- L. N. GRUDTSYN: Plane disturbed motion of a material point of variable mass