## CONTENTS OF NEXT ISSUE

## PMM Vol. 36, Nº4, 1972

- L. V. PETUKHOV and V. A. TROITSKII: Variational optimization problems for equations of the hyperbolic type
- L. E. SOKOLOVA: On stabilization of relative equilibrium and stationary motion of a mechanical system by forces of partial dissipation
- N. N. SUBBOTINA: On a game problem of conflicting controls
- V. V. GOGOSOV: One-dimensional electrohydrodynamic flows with variable coefficient of mobility. Jumps of evaporization and condensation
- Iu. P. EMETS: Periodic structure of the electric field in stratified plasma with tensorial conductivity
- N.S. MEL'NIKOVA: On an explosion in a medium with variable density, taking into account variable counter-pressure
- V.F. VITIUK: Waves generated by a disturbance of the bottom of a basin in the presence of a dock
- N.S. KOZIN: Small perturbed jets issuing from a slit
- V. N. FILIMONOV: Some solutions of the equations of laminar boundary layer for large blows
- V.S. BERMAN and Iu.S. RIAZANTSEV: On the analysis of the problem of thermal flame propagation by the method of matched asymptotic expansions
- I.V. MUKHINA: Approximate reduction to the Helmholtz equations of the theory of elasticity
- G. Ia. POPOV: On the reduction of integral equations of the theory of elasticity to infinite systems
- L. A. FIL'SHTINSKII: Doubly periodic problem of the theory of the equations of elasticity for an isotropic medium weakened by congruent groups of arbitrary holes
- I.I. VOROVICH and L.P. LEBEDEV: On the existence of solutions of the nonlinear theory of shallow shells
- L.S. SRUBSHCHIK: Asymptotic method of determination of critical loads of loss of stability of shallow, purely buckled shells of revolution
- L. V. ANDREEV, V. I. MOSS AKOVSKII and N. I. OBODAN: On optimal thickness of a cylindrical shell subjected to external pressure
- N. V. ZVOLINSKII: Hydrodynamic theory of the action of an explosion and the assumption of incompressibility
- L.K. KUZ'MINA: On the problem of stability of systems of gyroscopic stabilization
- V. Iu. ROZENSHTEIN: Determination of dynamic characteristics of nonlinearity of an autonomous vibrating system
- A. I. SUBBOTIN: Programmed and positional absorption in differential games
- E. A. KUZNETSOV: Invariants of turbulence in incompressible magnetohydrodynamics
- R. V. BIRIKH, G. Z. GERSHUNI, E. M. ZHUKHOVITSKII and E. M. RUDAKOV: On vibrational instability of plane parallel convective motion in a convertible channel
- E. I. GOL'DENGERSHEL': A remark on approximate solution of the problem of linear viscoelasticity
- G. I. BRYZGALIN: On some criteria of optimum design of heterogeneous isotropic bodies