

## CONTENTS OF NEXT ISSUE

PMM Vol. 41, № 2, 1977

- Iu. S. OSIPOV: Positional control in parabolic systems
- S. P. OKHEZIN: Differential game of approach-evasion for a parabolic system for integral constraints on the control of players
- V. N. LAGUNOV: On the correction of a nonlinear control process
- D. V. LEBEDEV: On the control by a rotational motion of a rigid body with incomplete information on the angular velocity vector
- V. V. KOZLOV: On qualitative analysis of motion of a rigid body in the case of Goriamchev-Chaplygin
- S. L. ZIGLIN and M. L. LIDOV: Hill's case of the averaged problem for three bodies and stability of plane orbits
- Iu. F. KAZARINOV: On stabilization of a linear stochastic system subjected to "white noise"-type parametric disturbances
- Ia. M. GOL'TSER: On strong stability of resonance systems under parametric excitations
- Iu. A. PYKH: Stability of solutions of the differential equations of Lotka-Volterra
- A. A. SHTEIN: Models of polarized media and averaged relations corresponding to them in the case of a high frequency electro-magnetic field
- A. V. KAZHIKHOV and V. V. SHELUKHIN: Unique global solution with respect to time of initial-boundary value problems for one-dimensional equations of a viscous gas
- A. I. ESIN and I. A. CHERNOV: On the density jump in the case of flow past a convex angle
- A. G. DVORIANINOV, I. R. SIBGATULLIN and N. A. SLEZKIN: On the motion of a viscous gas in a layer with flexible boundary
- Iu. P. GUPALO, A. D. POLIANIN and Iu. S. RIAZANTSEV: Mass transfer in a diffusional trail of a drop for Stokes flow
- Iu. I. KAPRANOV and V. N. Emikh: Filtration to drain channels and membrane-covered slopes
- L. S. RYBAKOV and G. P. CHEREPANOV: Discrete interaction of a plate with a semi-infinite stiffener
- A. S. KRAVCHUK: On the Hertz problem for linearly and nonlinearly elastic bodies of finite dimensions
- M. D. MARTYENKO and V. S. ROMANCHIK: On the solution of an integral equation of the contact problem in the theory of elasticity for rough bodies
- P. P. MOSOLOV: On torsion of a rigid-plastic cylinder
- V. A. KORNEEV and A. A. MELIKIAN: Differential game with impulsive control of a player
- V. I. UKHOBOTOV: Construction of a stable bridge for a class of linear games
- L. A. KIPNIS: On periodic solutions of nonlinear differential equations of highest order
- V. G. DEMIN and A. I. PROKOF'EV: Two families of periodic solutions in the Roze problem
- O. V. VOINOV and A. G. PETROV: On the stress tensor in a liquid with dispersed particles
- O. V. TITOV: Variational approach for plane problems of matching potential and turbulent flows
- V. B. MESHCHERIAKOV: On propagation of bending-torsional waves in thin walled bars of open cross section
- F. L. CHERNOUS'KO: Optimal structure of branched pipes