

JOURNAL OF APPLIED MATHEMATICS AND MECHANICS **CONTENTS OF NEXT ISSUE** Volume 56, No. 6, 1992

- L. I. SEDOV: On gravitational fields in Riemannian spaces
- V. V. KOZLOV: Linear systems with a quadratic integral
- N. K. MOSHCHUK: Approximate method of analysis of stochastic mechanical systems
- V. N. SKIAMEL': Application of the method of Lyapunov functions to some problems of acceptability of approximate solutions of differential equations
- M. U. AKHMETOV and N. A. PERESTYUK: Periodic and almost periodic solutions of strongly non-linear impulsive systems
- A. V. KARAPETYAN and I. D. SAKHOKIA: On bifurcation and stability of stationary motions of two gravitating bodies
- A. Ya. KRASINSKII: On stabilization of steady motions of systems with cyclic coordinates
- G. N. MIL'SHTEIN and L. B. RYASHKO: Stability and stabilization of orbits of autonomous systems under random perturbations
- V. I. KALEKOVA, V. M. MOROZOV and M. A. SALMINA: Guidance and observability in the stabilization problem of mechanical systems with cyclic coordinates
- Yu. Z. ZOTOV and A. V. TIMOFEYEV: Guidance and stabilization of programmed motions of inverse (or reversible) mechanical and electromechanical systems
- V. Yu. TERTYCHNYI: Integral estimation and adaptive stabilization of guided non-holonomic systems
- B. I. KONOSEVICH and S. S. SAVENKO: Inverse problem of dissipation of non-guided reaction projectiles
- G. A. LEONOV and A. V. MOROZOV: On global stability of stationary rotations of a rigid body
- S. A. BELIKOV: Local boundedness of perturbed motions of an imperfect gyroscope in a Cardan suspension with dissipative and accelerating forces
- L. D. AKULENKO: Vibrations of a rigid body containing an elastic element with distributed parameters
- A. A. BUROV and O. S. RYZHOV: On the generation of stochastic pulsations during the early non-linear development stage in a near-wall jet of an incompressible fluid
- G. A. TIRSKII, S. V. UTYUZHNIKOV and N. K. YAMALEYEV: Application of the small parameter method to the problem of three-dimensional flow of a viscous gas past a body
- S. V. ZHLUTKOV, S. V. UTYUZHNIKOV, V. S. SHCHELIN and V. G. SHCHERBAK: Comparison of gas-dynamic models for hypersonic flow past bodies
- M. G. MISHANINA and O. V. MUZYCHUK: On the analysis of non-linear dynamical systems, excited by an intensive non-white noise
- B. N. SOKOLOV: Bounded positional control of a dynamical system of large size
- S. V. SOKOLOV: Analytic determination of time-dependencies of the drift of a tri-axial gyro-stabilizator
- Letter to the Editor