

CONTENTS OF NEXT ISSUE

Volume 45, Issue 4, 1981

- KRASOVSKII A.N., KRASOVSKII N.N. and TRET'IAKOV V.E.: Stochastic program synthesis for a deterministic positional differential game.
- GOL'DMAN P.S. and NAGAEV R.F.: Degenerate periodic motions in the case of a generating family of quasiperiodic solutions.
- KHAZIN L.G. and SHNOL' E.E.: On stability of equilibrium positions in critical cases and in cases close to critical.
- POGOSIAN T.I. and KHARLAMOV M.P.: Regions of possible motions in certain mechanical systems.
- BARKIN Iu.V.: On equilibrium patterns of liquid bodies based at points of libration.
- YANYA H.M.: Qualitative investigations of plane (and close to it) motions of a rigid body about a fixed point.
- MEDVEDEV A.E. and FOMIN V.M.: Method of moving coordinates in problems of mechanics of a continuous medium.
- MIASNIKOV M.P.: On stability of flow of a viscous incompressible liquid along an elastic wall.
- BATALOVA Z.S., DUBROVINA I.A., NEIMARK Iu.I. and ORLOVA E.E.: On the structure of phase space and bifurcations in a discrete model of convective Lorentz turbulence.
- BOGDANOVA E.V.: On the linear problem of flow passed a vibrator by a supersonic viscous gas.
- DIESPEROV V.N.: Transonic flow of rarefaction in the vicinity of a convex angle.
- BREZHNEV A.L. and CHERNOV I.A.: On formation of shock waves in Laval nozzles.
- BEZHANOV K.A.: Diffraction of a shock wave at its normal incidence by a free liquid surface containing a wedge with its apex at the interface.
- BERMAN V.S. and SHEVTSOVA V.M.: Burning of a plane wedge by a hot surface.
- VOINOV O.V.: Hydrodynamics of the process of foam generation from a viscous liquid with bubbles.
- KHABEEV N.S.: Resonance properties of steam bubbles.
- BERDICHEVSKII V.L.: On the energy of an elastic bar.
- NAZAROV G.I. and PUCHKOVA N.G.: Analytic solution in complex form for a class of elastic moduli for a two-dimensional nonhomogeneity of a body.
- BABESHKO V.A. and PRIAKHINA O.D.: Method of fictitious dissipation in plane contact problems of the theory of elasticity in the presence of adhesion.
- ALEKSANDROV V.M. and KOVALENKO E.V.: Motion of a stamp on the surface of a thin cover resting on a hydraulic foundation.
- DOKSHEVICH A.I.: Two classes of motion of the Kovalevskaja top.
- EL'SABAA F.M.: Periodic solutions of the problem of motion of a heavy rigid body about a fixed point in the Kovalevskaja case.
- LEONOV G.A.: On global stability of nonlinear systems in the critical case of two vanishing roots.
- LOBAS L.G.: Autovibrations of a wheel on a self-oriented chassis base with nonlinear damper.
- ZINCHENKO A.Z.: Analysis of close interaction of two drops taking into account internal circulation and sliding effects.
- POLIANIN A.D.: Diffusion to the particle in shear gas flow for arbitrary kinetics of surface reaction.
- SOKOLOV F.A.: A cylindrical shell under the action of side dynamic loading.