

**JOURNAL OF APPLIED MATHEMATICS AND MECHANICS**  
**CONTENTS OF NEXT ISSUE**  
Volume 57, No. 2, 1993

- A. P. IVANOV: Analytical methods in the theory of vibro-impacting systems
- A. S. KOVALEVA: Separation of motions in non-linear systems with a rotating phase for random excitations
- A. L. KUNITSYN and A. S. MURATOV: On stability of a class of quasi-autonomous periodic systems in the presence of internal resonance
- Ye. V. LADYGINA and A. I. MANEVICH: Free oscillations of a non-linear cubic system with two degrees of freedom for close natural frequencies
- A. V. PIROZHENKO: On the calculation of the first approximation of systems with essentially non-linear oscillation links
- Ye. V. SINITSYN: On stability of cylindrical precession of a viscoelastic body during oscillations along the axis of symmetry
- L. Yu. ANAPOL'SKII and S. V. CHAIKIN: The stability of relative equilibria with respect to a part of variables of an elastic satellite
- A. A. BUROV and A. V. KARAPETYAN: The motion of a rigid body in a stream of particles
- L. D. AKULENKO: Parametric control by means of oscillations and rotations of a physical pedulum (swings)
- Ye. K. LAVROVSKII and A. M. FORMAL'SKII: Optimal control by excitation and braking of swings
- V. M. ALEKSANDROV: Asymptotic methods in problems of continuum mechanics with mixed boundary conditions
- M. V. DOLOTOV and I. D. KIL': On asymptotics of the solution of a dynamic problem for an elastic half-space for the case of axial symmetry
- V. D. POTAPOV: Stability of bars of viscoelastic unstable material under stochastic excitation
- M. I. LETAVIN and N. I. SHESTAKOV: Solution of equations of thermoelasticity in the cross-section of a rotating cylinder by the method of singular perturbations
- V. V. SIL'VESTROV: Piecewise homogeneous elastic plane with a countable number of closed cracks
- I. V. ANDRONOV: Sound propagation in a liquid under an elastic plate with a crack
- N. N. BOBKOV and Yu. P. GUPALO: On the distribution of pressure of the dispersive phase on the surface of a bubble with a non-regular front critical point
- A. P. CHUGAINOVA: On interaction of non-linear waves in a weakly anisotropic viscoelastic medium
- V. L. ANDRIANOV: On resistance to motion of loads along elastic directions of waves generated by them through radiation
- A. V. SHANIN: On the deduction of boundary conditions for the equations of oscillations of a thin plate by the method of generalized functions
- V. A. DOBRUSHKIN: Approximate calculation of a class of integrodifferential expression describing the propagation of elastic waves
- S. A. KULIYEV: Bending of an anisotropic plate with a central circular cavity and the two rectangular cuts