

famil if
APPLIED
MATHEMATICS
AND MECHANICS

www.elsevier.com/locate/jappmathmech

Journal of Applied Mathematics and Mechanics 69 (2005) I

JOURNAL OF APPLIED MATHEMATICS AND MECHANICS CONTENTS OF NEXT ISSUE

Volume 69, No. 6, 2005

- A.P IVANOV: On the stability of systems with elastic elements and slider oscillations
- C. CATTANI and A. P. SEYRANIAN: Instability regions of a system with periodically varying moments of inertia
- V. A. SAMSONOV: Dynamics of slipper and 'the impact generated by friction'
- G. V. GORR and Ye. K. UZBEK: New solution of Kirchhoff's equations in the case of a linear invariant relation
- D. N. ZEKOVICH: On linear integrals of non-holonomic systems with non-linear constraints
- C. VALLEE, D. FORTUNE and K. CHAMPION-REAUD: General solution of damped linear vibratory systems avoiding eigenvector decompositions
- V. V. KOZLOV and S. A. POLIKARPOV: Periodic trajectories of a billiard ball in a magnetic field
- L. D.AKULENKO: Control of evolution of a dynamical system under high-frequency excitations
- A. I. KOROTKII: Reconstruction of feedback based on observation data
- A. A. NEZNAKHIN and V. N. USHAKOV: On calculating the viability kernel for a non-linear controlled system with a target set
- N. Yu. SATIMOV and M. T. TUKHTASINOV: On some game problems in distributed controlled systems
- A. I. BLAGODATSKIKH: Soft evasion of coordinated evaders group
- M. V. SHAMOLIN: Comparison of Jacobi integrability cases for the plane and three-dimensional motion of a rigid body in a streamlined flow
- I. A.VOLKOV and I. A. KUSHMAR: The solution and continualization of the wave problem for a net of strings
- J. LERBET: Non-linear dynamics of elastic curvilinear systems: new coordinated approach
- F. BOYER and D. PRIMAULT: Poincaré-Chetayev equations and flexible multi-body systems
- V. S. GALKIN and S. V. RUSAKOV: On the theory of bulk viscosity and relaxation pressure Obituary: S. A. Shesterikov