

CONTENTS OF NEXT ISSUE

PMM Vol. 39, № 4, 1975

- G. K. POZHARITSKII : Game problem of impulsive approach with an adversary with limited energy
- L. D. AKULENKO : Asymptotic solution of some problems of optimum high speed performance
- L. M. SHTERENLIKHT : Canonic transformations of Liapunov and normal Hamilton forms
- V. N. MITIN and L. I. SHTEINVOL'F : Synthesis of discrete vibrational systems with a maximally compressed spectrum
- A. I. NEISHTADT : Transition through the separatrix in the resonance problem with a slowly varying parameter
- A. N. BAUTIN : Qualitative study of a nonlinear system
- V. N. BELYKH and V. I. NEKORKIN : Qualitative study of a system of three differential equations from the theory of phase synchronization
- A. M. KOVALEV and A. Ia. SAVCHENKO : Stability of uniform rotations of a rigid body about a principal axis
- V. A. KOL'CHINSKII : A method to study stability of autonomous systems
- A. A. ROZENBLIUM : Asymptotic method for multi-dimensional systems of partial differential equations
- R. A. TKALENKO : Nonlinear theory of weakly perturbed spatial flows with an arbitrary number of nonequilibrium processes
- M. S. RUDERMAN : A method of obtaining the equations of Korteweg-DeVries-Burgers
- A. D. MYSHKIS, L. A. SLOBOZHANIN and A. D. TIUPTSOV : On small disturbances of the equilibrium surface of capillary liquid
- V. A. SVEKLO and L. F. SHMOILOV : Axisymmetric problem of the penetration of a thin rigid smooth pile of finite length into an elastic half-space
- I. S. DEGTYAREV : On discontinuities of stress and extremum theorems for a compressible plastic body
- M. P. SAVRUK : System of arbitrarily oriented cracks of longitudinal shear in an elastic body
- V. B. KOLMANOVSKII : On optimum control of some quasi-linear stochastic systems
- A. L. KUNITSYN and T. MYRZABEKOV : Stability of relative equilibrium of a body on a perturbed circular orbit
- N. N. BOLOTNIK : On maximization of the degree of stability of a linear vibrational system
- M. Ia. OCHAN : Dynamics of thread unwinding
- A. I. BUNIMOVICH and A. V. DUBINSKII : Generalized similarity laws for flow past three-dimensional bodies
- I. K. LIFANOV and Ia. E. POLONSKII : Foundation of a numerical method of discrete vortices for the solution of singular integral equations
- V. L. GOLO and V. P. MIASNIKOV : Dispersive phenomena in a boiling layer
- N. I. ZHINZHER : Dynamic edge effects in orthotropic elastic shells
- P. KURBANOV and Kh. ESHMATOV : Parametric oscillations of a visco-elastic rod with nonlinear hereditary characteristic

On the book by Ia. B. Zel'dovich "Higher Mathematics for Beginners and its Application to Physics", 5th edition, Moscow "Nauka" Publishing House of Physical-Mathematical Literature, 1970

On Teaching of Higher Mathematics and my book "Higher Mathematics for Beginners and its Application to Physics"