
C O N T E N T S

<i>Petrychkovych V. M.</i> On multiplicities of characteristic roots and degrees of elementary divisors and factorization of polynomial matrices	7
<i>Shavarovs'kyi B. Z.</i> Note on similarity of collections of matrices	18
<i>Polishchuk V. M., Ptashnyk B. Yo.</i> Periodic boundary value problem for weakly nonlinear hyperbolic equations with variable coefficients in linear part of operator	25
<i>Barans'ka I. Ye.</i> Inverse problem for equation of parabolic type in domain with free boundary	32
<i>Herasymchuk O. B., Rybyts'ka O. M.</i> Normal solution of the first kind integral equation with weak peculiarity	43
<i>Bomba A. Ya., Prysyzhynjuk I. M.</i> Problems of «convection-filtration» type in three-coherent domains with boundary conditions of averaging	53
<i>Vlasyuk A. P., Martynyuk P. M.</i> Numerical modeling of filtration consolidation problem of the body of soil dam taking into account heat and mass transfer by stabilized finite element method	59
<i>Voitovich N. N., Topolyuk Yu. P.</i> Velocity of convergence of iterative method for the problem with free phase with isometric operator	71
<i>Grigorenko Ya. M., Rozhok L. S.</i> Application of discrete Fourier series to solving boundary-value static problems for elastic bodies of non-canonical form	79
<i>Butrak I. O.</i> Asymptotics of far-field of displacements and stresses from spatial crack dynamic opening	101
<i>Shvab'uk V. I., Maksymovych O. V., Solyar T. Ya.</i> Calculation of dynamic stresses near curvilinear cracks under shear on the basis of refined formula of Laplace numerical transform	106
<i>Govorukha V. B.</i> Finite element investigation of interface crack in piezoelectric material with regard for near-tip asymptotics of stresses and displacements	114
<i>Dovbnya E. N., Chernyshenko M. O.</i> Investigation of stress state in isotropic shells of arbitrary curvature with surface cracks	121
<i>Popovych V. S., Kalyniak B. M.</i> Thermo-stressed state of thermosensitive cylinder under convective heating	126
<i>Filshinskii L. A., Sirenko Yu. V., Filshinskaya L. L.</i> Coupled thermoelastic fields in the layer in the case of concentrated perturbations	137
<i>Humenchuk O. B.</i> Thermo-stressed state of partly transparent layer under conditions of heat radiation	147
<i>Nemirovsky Yu. V., Yankovsky A. P.</i> Revision of asymptotic expansions of solutions to the problem on heat conduction of anisotropic plates	157
<i>Matysiak S. J., Yevtushenko A. A.</i> Transient heat conduction problem for a composite layer on a homogeneous substrate	172
<i>Monastyrskyy B. Ye.</i> Method for evaluation of contact thermal resistance of contact pair in the presence of a set of surface penny-shaped recesses	180