

### З М І Є Т

ZABAVSKY B. V., DOMSHA O. V., ROMANIV O. M. Clear rings and clear elements .....	3
BEDOYA D., ORTEGA M., RAMÍREZ W., URIELES A. New biparametric families of Apostol-Frobenius-Euler polynomials of level $m$ .....	10
DANCHEV P. V. On the idempotent and nilpotent sum numbers of matrices over certain indecomposable rings and related concepts .....	24
PROTASOV I. V. Finitary approximations of coarse structures .....	33
PRATSIIOVYTYI M. V., GONCHARENKO YA. V., DYVLIASH N. V., RATUSH- NIAK S. P. Inversor of digits $Q_2^*$ -representative of numbers .....	37
MULYAVA O. M. On the relative growth of Dirichlet series with zero abscissa of absolute convergence .....	44
BANDURA A. I., SALO T. M., SKASKIV O. B. Note on composition of entire functions and bounded $L$ -index in direction .....	51
BANERJEE A., ROY A. A note on power of meromorphic function and its shift operator of certain hyper-order sharing one small function and a value .....	57
BISWAS G., SAHOO P. A note on the value distribution of $\varphi f^2 f^{(k)} - 1$ .....	64
SKRIPNIK N. V. Averaging method for impulsive differential inclusions with fuzzy right-hand side .....	76
LOPOTKO O. V. Evenly positive definite function of Hilbert space. Self-adjoint operators which are connected by algebraic relationship .....	85
MAMALYHA KH. V., OSYPOCHUK M. M. Properties of single layer potentials for a pseudo-differential equation related to a linear transformation of a rotationally invariant stable stochastic process .....	94

### К О Р О Т К І П О В І Д О М Л Е Н Н Я

CHABANYUK Y. M., NIKITIN A. V., KHIMKA U. T. Control problem for the impulse process under stochastic optimization procedure and Levy conditions .....	107
--	-----

## C O N T E N T S

ZABAVSKY B. V., DOMSHA O. V., ROMANIV O. M. Clear rings and clear elements .....	3
BEDOYA D., ORTEGA M., RAMÍREZ W., URIELES A. New biparametric families of Apostol-Frobenius-Euler polynomials of level $m$ .....	10
DANCHEV P. V. On the idempotent and nilpotent sum numbers of matrices over certain indecomposable rings and related concepts .....	24
PROTASOV I. V. Finitary approximations of coarse structures .....	33
PRATSIOVYTYI M. V., GONCHARENKO YA. V., DYVLIASH N. V., RATUSH- NIAK S. P. Inversor of digits $Q_2^*$ -representative of numbers .....	37
MULYAVA O. M. On the relative growth of Dirichlet series with zero abscissa of absolute convergence .....	44
BANDURA A. I., SALO T. M., SKASKIV O. B. Note on composition of entire functions and bounded $L$ -index in direction .....	51
BANERJEE A., ROY A. A note on power of meromorphic function and its shift operator of certain hyper-order sharing one small function and a value .....	57
BISWAS G., SAHOO P. A note on the value distribution of $\varphi f^2 f^{(k)} - 1$ .....	64
SKRIPNIK N. V. Averaging method for impulsive differential inclusions with fuzzy right-hand side .....	76
LOPOTKO O. V. Evenly positive definite function of Hilbert space. Self-adjoint operators which are connected by algebraic relationship .....	85
MAMALYHA KH. V., OSYPOCHUK M. M. Properties of single layer potentials for a pseudo-differential equation related to a linear transformation of a rotationally invariant stable stochastic process .....	94

## R E S E A R C H A N N O U N C E M E N T S

CHABANYUK Y. M., NIKITIN A. V., KHIMKA U. T. Control problem for the impulse process under stochastic optimization procedure and Levy conditions .....	107
--	-----