CONTENT[1]

Akhundov A.Ya., Habibova A.Sh. The inverse problem for hyperbolic equation in a domain with moving boundary 9

Aliev S.A., Khalilov V.S. Branching process with mean one and infinite variance.....10

Atencia I. A retrial discrete-time queueing system with actions in the server 11

Bagrationi I. The aesthetics of art of ethical decision-making in social work practice 12

Bakhrushin V. Decision-making on selection of applicants to study for a master's degree in law.....15

Bakuridze M., Bakuridze A. On conjugate trigonometric series.....16

Bartish M., Kovalchuk O. On a three-step method with an order of convergence for solving systems of nonlinear equations based on Steffensen's method 18

Beridze Z. Methods of using wireless network 19

Beyko I.V. To the reform of the ukrainian education in teaching mathematical disciplines 20

Beyko I.V., Beyko T.I., Beyko T.I. Mathematics lead to the highest sports achievements.....21

Beyko I.V., Furtel O.V. Methods of construction of generalized optimized trajectories 22

Bilynskyi A., Kinash O. The asymptotic of the probability of bankruptcy in case of large payments and existing interest rates on reserve capital.....23

Chachanidze G., Jikia D. Decision support electronic system for city management.....24

Chachanidze T. Decision-making mechanism in securities trading.....25

Chechelnitski A. A mix network with parallel structure and multivariate Poisson input flows 27

Correll R., Koskela M., Koskela R. Use of polyaromatic hydrocarbons to identify sources of contaminants.....28

[1] *The abstracts are publishing in authors edition*

Didmanidze I., Akhvlediani N., Didmanidze D., Makharadze A., Khujadze N. Using information-communicative technologies (ICT) in foreign language teaching process.....29

Didmanidze I., Geladze D., Didmanidze D. On the role of information tecnologies in the decision-making process in dealings.....30

Didmanidze I., Imnaishvili G., Didmanidze M. Optimum distribution factors for educational programs credits.....31

Didmanidze I., Kakhiani G., Kakhidze K., Dumbadze Z. Analysis of the work of conway cellular automation machine.....32

Didmanidze I., Motskobili I., Fomina T., Zakaradze Z. Basics of determining the key factors of the task of forecasting the demand-provision for specialists.....33

Didmanidze I., Tsitskishvili G., Kuchava M. Selection of the desirable option from the range of alternatives during transport operations.....34

Dobuliak L. P., Kostenko S. B., Shevchuk S. P. Hierarchic clustering of Ukraine's regions by the conditions of small business development.....35

Dovgii S., Cherniy D. Quadrature-difference method for solving Cauchy problem with hypersingular integral on the right side.....36

Florenko A., Shchestyuk N. Estimation problems for random fields from observations on Serpinski 's carpet.....37

Fundak L.I., Tsehelyk H.H. The optimal block search in the case of the generalized distribution of probabilities of access to records.....38

Gorbunov M.S., Yatsenko V.O. Space weather prediction using neural networks: a tool for information assessment and decision making.....39

Holovatiy S.I., Savchynska M.M., Yeleyko Ya.I. Application of methods of multiple factor analysis for research of socio-economic processes.....40

Iksanov A. Functional limit theorems for Galton-Watson processes with very active immigration.....41

Ivohin E., Adzhubey L. About hybrid diffusion models of information dissemination processes and their application.....41

Kapustian O.A., Nakonechnyi O.G., Chikrii A.A. Approximate guaranteed mean-square estimates of parabolic equations with fast oscillating coefficients.....42

Karkashadze M. The role of developing systemic thinking in decision making process at the elementary level of teaching 43
Karkashadze M. Design decision making in the process of creating a user interface 44
Khalichava G. Deciding on the process of choosing multimedia systems for demonstrating teaching materials.....46
Kharchenko I.I., Zhuk A.S., Ponomarenko N.V. Visualization of beam dynamics and using non-differentiated optimization methods 47
Kinash A., Chabanyuk Ya, Khimka U. Asymptotic dissipativity of the system of virus multiplication in a population of marine bacteria 48
Kokovska Ya., Venherskyi P. Geoinformation cartographic modeling of water flows in pseudo-prismatic channels with uneven bottom.....50
Kotsur M.P. Results of optimal control of unsteady thermoelectric cooling process under uncertainty 51
Koval V.V., Lysenko V.P., Samkov O.V., Khudyntsev M.M., Osinskii O.L., Klymash M.M., Kravchenko B.S. Statistical analysis of the temperature stability of reference time interval of the system of precise time stamps monitoring.....53
Kupatadze Z. Decision making in municipal management 55
Lebedev E., Sharapov M. Stationary regime for retrial queues with unreliable devices 56
Livinska H. On some multi-channel networks with input flows of general structure 57
Makarevych O., Livinska H. Pre-training BERT-model on ukrainian corpuse.....58
Makhort A. On methods of a behaviour analysis of economic systems under a presence of interior systematic influence factors.....59
Makushenko I., Usar I., Protopop Yu. Hysteresis strategies of retrial queueing with one server and one place in the queue 60
Margvelashvili Ts. Problems of unmanned aircraft operation system integration in Georgian airspace.....61
Martsenyuk V.P., Andrushchak I.Ye., Sverstiuk A.S., Milyan N.V. Architecture of the decision-making system in medical systems research.....63

Marynych A., Verovkin G. Stationary limits of renewal shot noise processes.....64

Mashchenko S.O. Intersection of sets with a fuzzy set of operands 65

Musaeva M.A. Informativeness of the parameters of decision making mathematical models 66

Nadiradze G. Informational support for management decision making in customs authorities 68

Nakonechnyi O., Kudin H., Zinko T. Analytical representation of perturbation for one class of pseudo-inverse operators 69

Nakonechnyi O., Pashko A., Shevchuk I. Statistical simulation of the information spreading processes with stohcastic perturbations.....71

Nakonechnyi O., Podlipenko Y. Guaranteed mean square linear estimates of periodic mean value of stochastic processes 72

Nakonechnyi O., Zinko P., Shevchuk I. Mathematical models of the information spreading process with jump discontinuities and small parameter 73

Nalyvaichuk M. V., Dehtiarov M. S. , Yatsenko V. O. Hardware-software for the gravitational field measurement: modeling, optimization and decision making 75

Nanobashvili K., Kakashvili G., Kvlividze N. Optimal procurement decision-making maintenance database.....76

Nikitchenko M., Shkilniak O., Shkilniak S. First-order logics of partial predicates with composition of predicate complement 77

Ponomarov V., Lebedev E. On the research of health condition and social-economic characteristics dependency 78

Pryshchepa O.V. On controlled queue with the limited number of retrials and constant retrial rate.....79

Rozora I.V., Lukovych O.V. Simulation accuracy of input signal on the linear system in $L_2([0,T])$ 80

Samoilenko I.V., Nikitin A.V. Asymptotic dissipativity for merged stochastic evolution systems with Markov switches and impulse perturbations under Poisson approximation conditions 82

Semenov V.V., Vedel Ya.I. A novel proximal method for variational inequalities over the set of solutions the equilibrium problems 83

Semenova N.V., Lomaha M.M., Dreychan N.A. Problems of lexicographical optimization with separable functions of criteria.....84

Semenova N.V., Manovytska D.O., Dolenko G.O. Ontology for system optimization problems in the electric vehicles domain 85

Senio P.S. Algorithms for solving problems using mathematics of functional intervals 87

Sergienko I.V., Semenova N.V., Semenov V.V. Bilevel optimization problems of distribution of interbudget transfers 88

Shakhno S., Yarmola H., Shunkin Yu., Holub B. Investigation of the convergence of the Newton-Kurchatov method under weak conditions 89

Shatashvili A.D., Didmanidze I.Sh., Fomina T.A., Didmanidze D.Z. Optimal estimates in the problems of extrapolations, filtrations, and interpolations of certain functionals 90

Shatyrko A., Khusainov D. Dynamics investigation of one combat model with time-delay 91

Shchestyuk N.Y. Valuation of derivatives and risk managing.....92

Shusharin Yu.V., Grigulich S.N., Shchekan N.P. Optimal control for differece equations with random coefficients.....93

Shusharin Yu.V., Makarenko A.I., Degtiar S.V. Moment stability of random solutions of a system of linear differential equations with random linear jumps of solutions 94

Sivtsova D.G., Veres M.M. The adaptive search algorithms on the example of search articles system 95

Slabospitsky A. S. Least squares estimates with least deviations from ‘attraction’ points of time-varying parameter for bilinear dynamic systems under uncertainties.....96

Stelia O., Potapenko L., Sirenko I., Liashko V. Monotone difference scheme for singularly perturbed second degree equation.....97

Stolyarenko N.V. Image thinking procedures for mathematical models building.....99

Suraj Z. Petri nets in knowledge representation and modeling of reasoning: a soft set approach 100

Surmanidze I. Wave beam and weakly absorbing random inhomogeneous media 101

Takidze I. Impact ionization and dispersion mechanism 102

Tejkal M., Michálek J. Maximum likelihood estimation of the transition matrix of the non-homogeneous Markov chain terrorist threat model 103

Timofeeva N.K. "Gold" number in combinatorics 104
Tupalo Y., Skachko I. Buiding an integrated architecture in program software 105
Tymashov O., Jakovlev Ju. Principles of the organization and application seminatural modelling.....106
Vergunova I. Dynamic analysis of the pollution distribution in a hydrotechnical rampart-terrace by finite element method.....107
Vlasyuk A.P., Ilkiv I.V. Mathematical and computer modeling of the interconnected processes moisture and heat and mass transfer in one-dimensional case 110
Vlasyuk A.P., Krasiuk B.V. Mathematical modeling of migration processes of population in one-dimensional case.....111
Vlasyuk A.P., Ogiychuk V.O. Mathematical modeling of the prosses of non-isothermal moisture and mass transfer during microirrigation in horizontal soil layer 112
Vlasyuk A. P., Zhukovska N. A., Zhukovskyy V.V., Rajab Hesham About mathematical modeling of influence of heat and mass transfer in non-stationary filtration deformation processes of soil massif.....113
Yagub G., Ibrahimov N.S., Musayeva M.A., Zengin M. Optimal control problem with the boundary functıonal for a Schrödinger equation wıth a spesial gradient term 116
Yagub G., Uğurlu G., Ekber A., Zengin M. Identification problem for the linear nonstationary quasi optics equation with a square summable coefficients 117
Yagubov V.G. Optimal control problem for financial flows shown with state of special linear systems.....119
Yarova O.A., Yeleyko Ya.I. Necessary and sufficient conditions for the solution of the large deviations principle in the schemes of nonlinear approximations 120
Yatsenko V. Sensors and data fusion: modeling, information assesment and decision making 121
Yeleyko Y., Shpak P. Estimate of limit semi-continuous killed Markov decision process.....123