



# INDEX OF PAPERS PUBLISHED IN 2010

- Abramov A.P.** Investment and Balanced Growth in a Model of Decentralized Economy. — N 4. — P. 20—26.
- Abramyantz T.G., Maslov E.P., Yahno V.P.** Avoidance of a moving object from detection by a group of observers. — N 5. — P. 73—79.
- Akopov A.S.** On the issue of developing of intelligent control systems of complex organizational structures (I) Mathematical support for control system of the vertically integrated oil company investment activities. — N 6. — P. 12—18.
- Alexander Semenovich Rykov** (to the 65-th anniversary). — N 2. — P. 83.
- Alexandrov A.G., Khomutov D.A.** Increasing of the accuracy of systems with PID-controllers in the presence of exogenous disturbances. — N 1. — P. 64—70.
- Andrienko A.Ya., Tropova E.I.** Algorithms for fast estimation of high dimension vector. — N 2. — P. 69—73.
- Anulova S.V.** Maximizing the time until a controlled random walk in the quadrant hits the boundary. — N 1. — P. 7—11.
- Ashimov A.A., Borovsky Yu.V., Novikov D.A., Nizhegorodtsev R.M., Sultanov B.T.** Structural stability and parametric adjustment for macrosystem cyclical dynamics models. — N 1. — P. 12—17.
- Asratian R.E.** The interactions of client and server in Internet-service of remote file packets processing. — N 4. — P. 59—65.
- Baturina O.V.** Linear Dynamic Systems with Controlled Coefficients. Investigation of Iterative Optimization Methods. — N 5. — P. 22—27.
- Belotserkovsky D.L.** On the problem of enumeration of generating graphs with specified diameter. — N 1. — P. 2—6.
- Berman A.F., Nikolaychuk O.A.** Models, knowledge and experience for control of technogenic safety. — N 2. — P. 53—60.
- Bessarabov A.M., Sofiev A.E., Kvasyuk A.V., Gafitulin M.Yu.** System analysis and management of innovative budget financing of branch science. — N 1. — P. 33—38.
- Chebotarev P.Yu., Loginov A.K., Tsodikova Ya.Yu., Lezina Z.M., Borzenko V.I.** Voting in a stochastic environment: the case of two groups. — N 1. — P. 18—25.
- Dorofeyuk A.A., Guchuk V.V., Desova A.A., Dorofeyuk J.A.** Expert-ranging methodology for quasi-periodic signals analysis in diagnostic problems. — N 5. — P. 39—47.
- Dorofeyuk J.A., Mandel A.S.** Structure-ranging methodology of the metropolis housing and communal services functioning efficiency estimation (by the example of Moscow). — N 4. — P. 34—41.
- Dubina I.N.** A review of game-theoretic studies of innovation. — N 4. — P. 2—11.
- Dudarenko N.A., Polyakova M.V., Ushakov A.V.** Rapid estimation of the tendency of complex dynamical systems to degeneration on the basis of robust computing procedures. — N 2. — P. 19—24.
- Efimov A.E., Opalev O.L., Yadykin I.B.** Determination of influence coefficients of the regime parameters on the electrical power system stability. — N 4. — P. 74—78.
- Ehlakov Y.P., Efimov A.A.** Functional models of service rendering by firm-intermediary in the software market. — N 6. — P. 27—32.
- Ermolaev A.I., Akhmetzyanov A.V., Grebenik O.S.** Optimization and selection of development systems of pools group of oil and gas fields. — N 6. — P. 38—44.
- Ershova O.V.** Increase of control efficiency of electrothermal processes using the computer training complexes. — N 3. — P. 60—65.
- Farkhadov M.G., Petukhova N.V., Efrosinin D.V., Semenova O.S.** Two-node network model with unlimited queues for performance characteristics estimation and optimization of voice self-service portals. — N 6. — P. 53—57.
- Fin'yagina V.I.** Method of substitution for control problem for two-dimensional temperature fields by means of mobile sources of heat. — N 1. — P. 57—63.
- Fin'yagina V.I.** Calculation of approximating functions of two-dimensional temperature fields by method of substitution for control problems of mobile sources of action. — N 4. — P. 79—85.
- Geraskin M.I.** Models of corporations control for the case of inter-corporate relations. — N 5. — P. 28—38.
- Gilimyanov R.F.** Recurrent curvature smoothing in path planning problems for wheeled robots. — N 1. — P. 71—76.
- Goroshnikova T.A., Tsvirkun A.D.** Methods and tools for optimization of holding company development. — N 3. — P. 38—44.
- Goubko M.A., Danilenko A.I.** Theory for Hierarchical Menu Structure Optimization. — N 4. — P. 49—58.
- Gulyaev S.V., Shubladze A.M., Kyznetsov S.I., Krotov A.V., Olshvang V.R., Malakhov V.A.** Nonlinear noise immunity differentiators. — N 3. — P. 26—29.
- Index of papers published in 2010.** — N 6. — P. 84—87.
- Innovation** management: modernization on the background of the crisis. — N 2. — P. 74—77.
- International International Scientific Conference «Problems of Regional and Municipal Control».** — N 6. — P. 78—83.
- Ianova N.V., Klochkov V.V.** Economic problems of high risk innovation projects management in science-intensive industries. — N 2. — P. 25—33.
- Ivanov D.Yu.** The applied model of incentive system (by the example of the enterprise of special mechanical engineering). — N 6. — P. 33—37.
- Kolomoets A.A., Klochkov V.V.** An enterprise information system as a means to provide an adaptivity of a firm in an unstable environment. — N 3. — P. 30—37.



- Kornoushenko E.K., Lobko A.A.** Methodological Aspects of Practical Regression Appraisal: Improvement of Model's Estimation Properties by means of Quantitative Attribute Values Coding. — N 1. — P. 39—46.
- Kryukov K.V., Pankova L.A., Pronina V.A., Suhoverov V.S., Shipilina L.B.** Semantic similarity measures in ontology. Review and classification. — N 5. — P. 2—14.
- Kulinich A.A.** Cognitive maps modelling computer systems (approaches and methods). — N 3. — P. 2—16.
- Kulivets S.G.** Modeling of conflict situation if agents have different opinions. — N 4. — P. 42—48.
- Masaev S.N., Dorrer M.G.** Company management system estimation on the basis of adaptive correlation to the environment. — N 3. — P. 45—50.
- Masolkin S.I., Promyslov V.G.** The calculation of some properties for enterprise network used in plants with high exploitation risk. — N 1. — P. 47—52.
- Mikrin E.A., Komarova L.I., Orlovsky I.V.** et al. Features of ballistics and navigation solutions for descent used in the control system of the manned transport spacecraft «Soyuz TMA». — N 6. — P. 58 —63.
- Modern** methods of navigation and movement control: models and methods of information processing in the tasks of movement control. — N 3. — P. 79—82.
- Olenev S.E.** Mathematical modelling rates of technological operations output under uncertainty. — N 1. — 53—56.
- Olenev S.E.** System of employees' personal motivation in the course of new product mastering. — N 2. — P. 39—45.
- Ougolnitsky G.A., Usov A.B.** Three-level control systems of the ecology-economic objects of the fan structure. — N 1. — P. 26—32.
- Ougolnitsky G.A., Usov A.B.** Control of sustainable development of hierarchical systems in conditions of corruption. — N 6. — P. 19—26.
- Pavlov O.V.** Making investment decisions basing upon discrete system optimal control theory. — N 4. — P. 27—33.
- Pavlov P.A.** The organization of homogeneous competing processes at the distributed conveyor processing. — N 3. — P. 66—72.
- Popov E.V., Shmatov G.A.** Media reach calculation. — N 2. — P. 34—38.
- Popova O.M., Usov I.Yu.** Optimization of backbone network expansion on the basis of geoinformation technologies. — N 4. — P. 66—73.
- Rapoport L.B.** The attitude determination method. — N 5. — P. 57—64.
- Rezchikov A.F., Tverdokhlebov V.A.** Causal complexes of interactions in production processes. — N 3. — P. 51—59.
- Shubin A.B., Alexandrov E.G., Harchenkov G.G.** Near optimal management trajectory of object movement. — N 3. — P. 73—78.
- Shumsky A.E., Zhirabok A.N., Bobko Ye.Yu.** Method of fault tolerant control for nonlinear dynamic systems: logic-dynamic approach. — N 2. — P. 11—18.
- Sidorov A.A., Zakharchenko V.E.** Synchromodels in data validation of control systems. — N 2. — P. 61—68.
- Silaev A.V.** The gradient adaptation algorithm in a flexible spacecraft orientation control system. — N 5. — P. 65—72.
- Suslov S.A., Kondratyev M.A., Sergeev K.V.** Agent based modeling as a tool for demand analysis and forecasting in energy. — N 2. — P. 46—52.
- Sysoev L.P.** The criterion of probability detecting on the trajectory in the problem of movement control in threat environment. — N 6. — P. 64 —70.
- Tokmachev M.S.** The regional population health as a simulated and controlled process. — N 6. — P. 45—52.
- Tsykunov A.M.** Robust control of the linear singular-disturbed plants. — N 2. — P. 2—10.
- Tsykunov A.M.** Robust control of nonlinear plant by output. — N 5. — P. 15—21.
- Vasily Nikolaevich Novoseltsev** (on the occasion of 75<sup>th</sup> anniversary). — N 3. — P. 84.
- Vedeshenkov V.A.** One approach to diagnosing heterogeneous digital systems with symmetric bipartite graph structures. — N 5. — P. 48—56.
- XVII International Conference «Problems of Complex Systems Safety Control».** — N 2. — P. 78—84.
- Zadorozhnyi V.N.** Stochastic graphs and nonlinear preferential attachment rule. — N 6. — P. 2—11.
- Zak J.A.** Solution of the generalized Johnson problem with constraints on the schedule and time of the machine. Part 1. Exact solution methods. — N 3. — P. 17—25.
- Zak J.A.** Solution of the generalized Johnson problem with constraints on the schedule and time of the machine. Part 2. Approximate methods of solution. — N 4. — P. 12—19.
- Zavadski V.K., Ivanov V.P., Kablova E.B., Clenovaya L.G.** Methods and ways of formal description of incompleteness of information in the initial data on designing of on-board terminal systems. — N 6. — P. 71—77.
- 13<sup>th</sup> IFAC Symposium on Information Control Problems in Manufacturing.** — N 1. — P. 77—83.