INDEX OF PAPERS PUBLISHED IN 2023

Abdullina, E.Yu. and Efanov, V.N. Control System Design for Moving Objects with Channel Switching. – No. 5. – P. 32–40.

Afanas'ev, V.N. and Frolova, N.A. Parametric Optimization of a Nonlinear Model in Tumor Cell Growth Identification. – No. 4. – P. 2–11.

Alchinov, A.I. and Gorokhovsky, I.N. Expanding the Functionality of an Applied Geographic Information System for Modeling Search Correlation-Extreme Navigation Systems. – No. 5. – P. 65–74.

Alhelou, M., Wassouf, Y., Korzhukov, M.V., et al. Managing the Handling-Comfort Trade-off in the Full Car Model by Active Suspension Control. – No. 1. – P. 36–47.

Anokhina, M.E. Parametric Control of Agricultural Development Based on Cognitive Modeling. – No. 3. – P. 15–30.

Azhmukhamedov, I.M. and Machueva, D.A. Modeling Social Attitude to Introducing Epidemic Safety Measures in a Pandemic. – No. 5. – P. 56–64.

Barkalov, S.A., Burkov, V.N., Kurochka, P.N., and Serebryakova, E.A. Forming the Generations of New Technological Products as a Set Covering Problem. – No. 6. – P. 22–32.

Bragin, A.V. An Adaptive Aiding Algorithm for Pedestrian Navigation. – No. 3. – P. 65–74.

Bukov, V.N., **Bronnikov**, A.M., **Vorob'ev**, A.V., et al. Component Monitoring to Manage the Redundancy of an Onboard Equipment Complex. – No. 5. – P. 75–91.

Chernov, I.V. Scenario-Cognitive Modeling of Complex Systems Based on Event-Driven Identification of Factor Dynamics. – No. 3. – P. 55–64.

Davydova, E.A., Belskaia, E.N., Postnikova, U.S., and Taseiko, O.V. Assessing the Risks of Circulatory Diseases due to Noise Exposure in Urban Areas. – No. 1. – P. 29–35.

Garakoev, A.M. and Gladyshev, A.I. Aircraft Motion Control Algorithms for Airborne Geophysical Survey. – No. 4. – P. 34–42.

Golovinskii, P.A. and Shatalova, A.O. A Fuzzy Cold-Start Recommender System for Educational Trajectory Choice. – No. 6. – P. 33–41.

Gubanov, D.A. and Novikov, D.A. Models of Joint Dynamics of Opinions and Actions in Online Social Networks. Part I: Primary Data Analysis. – No. 2. – P. 31–45.

Gubanov, D.A. and Novikov, D.A. Models of Joint Dynamics of Opinions and Actions in Online Social Networks. Part II: Linear Models. – No. 3. – P. 31–54.

Gubanov, D.A. and Novikov, D.A. Models of Joint Dynamics of Opinions and Actions in Online Social Networks. Part III: Binary Models. - No. 4. - P. 12-24.

Guseva, N.I. and Trubnikova, O.Yu. Strategic Capabilities as a Driver of Competitiveness: A Comparison of Russian and Global Companies. – No. 5. – P. 41–55.

Isaeva, I.I., Kharitonov, M.A., Vasilchenko, A.A., et al. Sustainable Development of Floodplain Territories of Regulated Rivers. Part I: Modeling Complex Structure Dynamics. – No. 6. – P. 42–55.

Khlebnikov, M.V. and Stefanyuk, E.A. Peak-Minimizing Design for Linear Control Systems with Exogenous Disturbances and Structured Matrix Uncertainties. – No. 3. – P. 9–14.

Korobov, V.B., Tutygin, A.G., and Lokhov, A.S. A Rank-Expert Deviation Function to Classify Complex Objects. – No. 6. – P. 56–65.

Kosorukov, O.A. and Lemtyuzhnikova, D.V. On a Decomposition Method for Designing Communication Networks. – No. 3. – P. 2–8.

Kruglov, S.P. and Kovyrshin, S.V. Identification-Based Speed Control of an Overhead Crane with a Reduced Cargo Transfer Model. – No. 4. – P. 25–33.

Kulida, E.L. and Lebedev, V.G. Methods for Solving Some Problems of Air Traffic Planning and Regulation. Part I: Strategic Planning of 4D Trajectories. – No. 1. – P. 2–11.

Kulida, E.L. and Lebedev, V.G. Methods for Solving Some Problems of Air Traffic Planning and Regulation. Part II: Application of Deep Reinforcement Learning. – No. 2. – P. 2–14.

Menshikh, V.V. and Nikitenko, V.A. A Numerical Aggregation Method for Finite-State Machines Using Algebraic Operations. – No. 6. – P. 66–75.

Mikhalskii, A.I., Novoseltseva, J.A., and Shestakova, T.P. Real Data-Based Personalization of an Automatic Glucose Control System. – No. 1. – P. 21–28.

On the 110th Anniversary of Academician Boris N. Petrov's Birth. – No. 2. – P. 64, 65.

Savvina, E.V. Inter-orbital Spacecraft Transfer Optimization: Choosing Initial Approximations Based on Correlation Analysis of Key Parameters. – No. 4. – P. 43–50.

Savvina, **E.V.** Inter-orbital Spacecraft Transfer: Trajectory Design by Iterating Parameter Values within a Data Grid. – No. 2. – P. 56–63.

Shvedov, A.S. Cournot Oligopoly: Strategy Choice under Uncertainty and Other Problems. – No. 5. – P. 18–31.

Slovokhotov, Yu.L. and Novikov, D.A. Distributed Intelligence of Multi-Agent Systems. Part I: Basic Features and Simple Forms. – No. 5. – P. 2–17.

Slovokhotov, Yu.L. and Novikov, D.A. Distributed Intelligence of Multi-Agent Systems. Part II: Collective Intelligence of Social Systems. – No. 6. – P. 3–21.

16th International Conference on Management of Large-Scale System Development (MLSD'2023). – No. 6. – P. 84–90.

30th International Conference on Problems of Complex Systems Security Control. – No. 1. – P. 48–51.

Tolok, A.V. and Tolok, N.B. The Functional Voxel Method Applied To Solving a Linear First-Order Partial Differential Equation with Given Initial Conditions. – No. 6. – P. 76–83.

Varnavskii, V.G. European Union'S Carbon Border Adjustment Mechanism as a Global Governance Tool. – No. 1. – P. 12–20.

Vladova, A.Yu. Creating Feature Spaces and Autoregressive Models to Forecast Railway Track Deviations. – No. 2. – P. 46–55.

Zavadsky, V.K., Ivanov, V.P., Kablova, E.B., et al. Terminal Control of Moving Objects in the Class of Piecewise Constant and Piecewise Continuous Functions. – No. 2. – P. 23–30.

Zhirabok, **A.N.**, **Zuev**, **A.V.**, **and Kim**, **C.I.** Interval Observer Design for Discrete Linear Time-Invariant Systems with Uncertainties. – No. 2. – P. 15–22.