

1. Igor Atamanyuk. Control of Stochastic Systems Based on the Predictive Models of Random Sequences / Igor Atamanyuk, Yuriy Kondratenko, Marina Solesvik // Monograph "Advanced Control Techniques in Complex Engineering Systems: Theory and Applications". Publisher: Springer International Publishing, 2019, pp. 105-128.
2. Marina Solesvik. Formal Concept Analysis for Partner Selection in Collaborative Simulation Training / Marina Solesvik, Yuriy Kondratenko, Igor Atamanyuk, Odd Jarl Borch // Monograph "Advanced Control Techniques in Complex Engineering Systems: Theory and Applications". Publisher: Springer International Publishing, 2019, pp. 325-337.
3. Antonina KALINICHENKO, Valerii HAVRYSH, Ihor ATAMANIUK: Feasibility analysis of biomass pellets production and utilization in the countryside as a substitute for natural gas. Monografia ODNAWIALNE ŹRÓDŁA ENERGII. TEORIA I PRAKTYKA. Tom III. Pod redakcją Izabeli Pietkun-Greber i Dariusza Suszanowicza. Wydawnictwo i Drukarnia Świętego Krzyża. Opole, ISBN 978-83-7342-648-1, 2018, pp. 52-67.
4. Igor Atamanyuk. Models and algorithms for prediction of electrical energy consumption based on canonical expansions of random sequences / Igor Atamanyuk, Volodymyr Kondratenko, Yuriy Kondratenko, Vyacheslav Shebanin, Marina Solesvik // Monograph "Green IT Engineering: Social, Business and Industrial Applications". Publisher: Springer International Publishing, 2019, pp. 397-421.
5. Models and algorithms for prediction of electrical energy consumption based on canonical expansions of random sequences / Igor Atamanyuk, Volodymyr Kondratenko, Yuriy Kondratenko, Vyacheslav Shebanin, Marina Solesvik // Monograph "Green IT Engineering: Social, Business and Industrial Applications". Publisher: Springer International Publishing, 2018, pp. 397-421.
6. The Method of Optimal Nonlinear Extrapolation of Vector Random Sequences on the Basis of Polynomial Degree Canonical Expansion / V. Shebanin, Y. Kondratenko, I. Atamanyuk // Monograph "Applied Mathematics and Computational Intelligence", Editors: Gil-Lafuente, A.M., Merigó, J.M., Dass, B.K., Verma, R. (ISBN 978-3-319-75792-6) Publisher: Springer International Publishing, 2018, pp. 14-25.
7. Management System for Agricultural Enterprise on the Basis of Its Economic State Forecasting / Igor Atamanyuk, Yuriy Kondratenko, Natalia Sirenko // Monograph "Complex Systems: Solutions and Challenges in Economics, Management and Engineering" (ISBN 978-3-319-69988-2 ISSN 2198-4182). Publisher: Springer International Publishing, 2018, pp. 453-470.
8. Mathematical model and parametrical identification of ecopyrogenesis plant based on soft computing techniques / Y.P., Kondratenko, O.V., Kozlov, G.V., Kondratenko, I.P. Atamanyuk // Monograph "Complex Systems: Solutions and Challenges in Economics, Management and Engineering" (ISBN 978-3-319-69988-2 ISSN 2198-4182). Publisher: Springer International Publishing, 2018, pp. 201-233.
9. Robotics and Prosthetics at Cleveland State University: Modern Information, Communication, and Modeling Technologies / Y. Kondratenko, D. Simon,

Atamanyuk // Monograph "Information and Communication Technologies in Education, Research, and Industrial Applications" (ISBN 978-3-319-69964-6 ISSN 1865-0929), Publisher: Springer International Publishing, 2017, pp. 133-155.

10. Method of generating realizations of random sequence with the specified characteristics based on nonlinear canonical decomposition / I. Atamanyuk, Yu. Kondratenko // Journal of Automation and Information Sciences – 2016. – Vol. 48, Publisher: Begell House, USA – pp. 31-48.
11. Method of Modeling, Identification and Prediction of Random Sequences Based on the Nonlinear Canonical Decomposition / P. Atamanyuk, Y.P. Kondratenko // Tribuna Plural: La revista científica. Num. 6, 2/2015. – Barcelona: Real Academia de Doctors, pp. 77-114.
12. Method of optimal linear extrapolation of vector random sequences with full consideration of correlation connections for each component / I.P. Atamanyuk, P. Kondratenko // MOTROL. Commission of Motorization and Energetics in Agriculture. – Rzeszow, Poland. – 2015, Vol. 17, №2 – pp. 3-7.
13. Atamanyuk I.P. Management of an agricultural enterprise on the basis of its economic state forecasting / I.P. Atamanyuk, Y.P. Kondratenko, N.N. Sirenko // Metody ilościowe w badaniach ekonomicznych: Quantitative methods in economics, XV, No. 2, Warsaw University of Life Sciences – SGGW, 2014. – pp. 7-16.
14. Extrapolation Algorithm of Economic Indicators on the Basis on Nonlinear Canonical Decomposition of Casual Process / I.P. Atamanyuk, V.Y. Kondratenko, V. Kozlov, Y.P. Kondratenko // Journal of Computational Optimization in Economics and Finance Volume 6 Issue 3, 2014 (Special Issue III International Workshop on Decision Making (IWODM'14) July 11, 2014 Barcelona, Spain.
15. Information Technology Of Extrapolation Of Nonlinear Casual Process On The Basis Of Its Canonical Decomposition / I.P. Atamanyuk, V.Y. Kondratenko, O.V. Kozlov, Y.P. Kondratenko // International Conference on Modeling and Simulation, 7-8 November 2013. – Chania, Greece. – p. 6.
16. Computerized Control System for the Pyrolysis Reactor Load Level Based on the Neural Network Controllers / Y.P. Kondratenko, O.V. Kozlov, I.P. Atamanyuk, O.V. Korobko // Computing in Science and Technology 2012/2013, T.Kwater, B.Twarog (Eds.), Monographs in Applied Informatics, Wydawnictwo Uniwersytetu Rzeszowskiego. – Rzeszow, Poland, 2013. – pp. 97-120.
17. Information Technology of Determination of Descriptions of Optimum Polinomial Prognosis Algorithm of the State of Technical Systems / I.P. Atamanyuk, Y.P. Kondratenko // MOTROL. Commission of Motorization and Energetics in Agriculture, Lublin, Poland, 2013, Vol. 15 (2). – pp. 47-50.
18. Fuzzy Logic for Optimization of Transportation Problems / Y.P. Kondratenko, G.V. Kondratenko, I.P. Atamanyuk, Ye.V. Sidenko // 2nd Word Conference on Soft Computing, 3-5 December 2012. – Baku, Azerbaijan. – pp. 220-223.
19. Fuzzy-stochastic models for solving CVRPFD / Y.P. Kondratenko, L.P. Klymenko, G.V. Kondratenko, I.P. Atamanyuk // 83rd Annual Scientific Conference of the International Association of Applied Mathematics and

- Mechanics, GAMM '2012, 26-30 march 2012: book of abstracts. – Darmstadt: Technische Universität Darmstadt, 2012. – pp. 310-311.
20. The algorithm of optimal polynomial extrapolation of random processes / I.P. Atamanyuk, V.Y. Kondratenko, O.V. Kozlov, P. Kondratenko // Monograph “Modeling and Simulation in Engineering, Economics and Management” K.J. Engemann, A.M. Gil-Lafuente, J.M. Merigo (Eds.) Part of the Lecture Notes in Business Information Processing book series (LNBIP, volume 115), New–York, Springer, 2012. – pp. 78-87.
21. Diagnosis of apples by automatic classification of objects / T. Kwater, J. Bartman, Atamanyuk, E. Sidenko // Computing in Science and Technology 2011, T. Kwater, W. Zuberek (Eds.), Monographs in Applied Informatics, Agencja Reklamo-Wydawnicza A. Grzegorzcyak. – Warsaw, Poland, 2011. – pp. 97-110.
22. Algorithm to determine the optimal parameters of a polynomial Wiener filter–extrapolator for nonstationary stochastic processes observed with errors / I. P. Atamanyuk // Cybernetics and Systems Analysis. Volume 47, Issue 2, Springer, USA, 2011. – pp. 305-310.
23. Extrapolation of Realization of a Random Process with a Filtration of Measurement Errors / I.P. Atamanyuk // Journal of Automation and Information Sciences. Volume 41, Issue 8, Begell House, USA, 2009. – pp. 38-48.
24. Algorithm of Extrapolation of a Nonlinear Random Process on the Basis of Its Canonical Decomposition / P. Atamanyuk // Cybernetics and Systems Analysis. Volume 41, Issue 2, Mathematics and Statistics, Kluwer Academic Publishers Hingham, MA, USA, 2005. – pp. 267-273.