

### Full publication list of Sergey A. Nazin:

1. Nazin S.A. Ellipsoidal State Estimates of Linear Dynamic Systems: Their Limiting Behavior. *Automation and Remote Control*, 2001, vol. 62, No. 4, pp. 590-596.
2. Nazin S.A. and B.T. Polyak. Limiting Behavior of Bounding Ellipsoids for State Estimation. *Proceedings of the 5<sup>th</sup> IFAC Symposium on Nonlinear Control Systems, NOLCOS'2001*, St.-Petersburg, Russia, July 4-6, 2001, pp. 585-589.
3. Polyak B.T., S.A. Nazin, C. Durieu and E. Walter. Ellipsoidal Estimation Under Model Uncertainty. *Proceedings of 15<sup>th</sup> IFAC World Congress*, Barcelona, Spain, July 21-26, 2002, pp. 1090-1095.
4. Nazin S.A. and B.T. Polyak. Limiting Behaviour of Bounding Ellipsoids for State Estimation. In: "Nonlinear Control Systems 2001", (A. Kurzhanskii and A. Fradkov Eds.), Elsevier Science, 2002, vol. 2, pp. 553-558.
5. Polyak B.T. and S.A. Nazin. Interval Solutions for Interval Algebraic Equations. *Proceedings of the 4<sup>th</sup> IMACS Symposium on Mathematical Modelling*, Vienna, Austria, February 5-7, 2003, pp. 973-980.
6. Nazin S.A. Asymptotic Properties of Ellipsoidal State Estimation for Linear Discrete-Time Dynamic Systems. *Abstracts of the 2<sup>nd</sup> International Conference on Control Problems*, Moscow, Russia, June 17-19, 2003, vol. 1, p. 61.
7. Nazin S.A. and B.T. Polyak. Interval Technique for Parameter Estimation Problem. *Proceedings of the Workshop on Interval Mathematics and Constraint Propagation Methods in the framework of 5<sup>th</sup> International Conference «Perspectives of System Informatics»*, Novosibirsk, Akademgorodok, Russia, July 8-9, 2003, pp. 54-57 (in Russian).
8. Polyak B.T., S.A. Nazin, C. Durieu and E. Walter. Guaranteed Ellipsoidal State Estimation for Uncertain MIMO Models. *Proceedings of the 13<sup>th</sup> IFAC Symposium on System Identification*, Rotterdam, Netherlands, August 27-29, 2003, pp. 1054-1059.
9. Nazin A.V., S.A. Nazin and B.T. Polyak. Convergence of the Recursive Ellipsoidal Estimates of Reachability Sets for Linear Discrete-Time Dynamical Systems. *Proceedings of the VIII International Workshop "Stability and Oscillations of Nonlinear Control Systems"*, Moscow, Russia, June 2-4, 2004, pp. 125-132 (in Russian).
10. Polyak B.T. and S.A. Nazin. Interval Solutions for Interval Algebraic Equations. *Mathematics and Computers in Simulation*, 2004, vol. 66, No. 2-3, pp. 207-217.
11. Polyak B.T., S.A. Nazin, C. Durieu and E. Walter. Ellipsoidal Parameter or State Estimation Under Model Uncertainty. *Automatica*, 2004, vol. 40, No. 7, pp. 1171-1179.
12. Nazin A.V., S.A. Nazin and B.T. Polyak. On the Convergence of External Ellipsoidal Approximations of Reachability Domains of Linear Discrete-Time Dynamic Systems. *Automation and Remote Control*, 2004, vol. 65, No. 8, pp. 1210-1230.
13. Nazin S.A. and B.T. Polyak. Interval Parameter Estimation under Model Uncertainty. *Mathematical and Computer Modelling of Dynamical Systems*, 2005, vol. 11, No. 2, pp. 225-238.
14. Nazin S.A. Ellipsoidal Estimation for Dynamic Systems with Model Uncertainty. *Abstracts of International Conference "Optimization and Control"*, Moscow, Russia, May 19-20, 2005, p. 28.

15. Polyak B.T. and S.A. Nazin. Interval Technique for Parameter Estimation under Model Uncertainty. *Proceedings of the 16<sup>th</sup> IFAC World Congress*, Prague, Czech Republic, July 4-8, 2005.
16. Nazin S.A. Method of Ellipsoids for Estimation of Parameters through Output Measurements under Model Uncertainty. *48th Scientific Conference of Moscow Institute of Physics and Technology*, Dolgoprudnii, Russia, November 25-26, 2005, vol. **1**, pp. 169-171.
17. Polyak B.T. and S.A. Nazin. Estimation of Parameters in Linear Multi-dimensional Systems under Interval Uncertainty. *Journal of Automation and Information Sciences*, 2006, vol. **38**, No. 2, pp. 19-33.
18. Polyak B.T. and S.A. Nazin. Invariant Ellipsoids Technique for Persistent Disturbance Rejection. *Proceedings of the 13<sup>th</sup> IFAC Workshop on Control Application of Optimization*, Paris-Cachan, France, April 26-28, 2006, pp. 422-427.
19. Polyak B.T., A.V. Nazin, M.V. Topunov and S.A. Nazin. Rejection of Bounded Disturbances via Invariant Ellipsoids Technique. *45<sup>th</sup> IEEE CDC*, San Diego, CA, USA, December 13-15, 2006, pp. 1429-1434.
20. Polyak, B.T. and S.A. Nazin. Invariant Ellipsoids Technique for Persistent Disturbance Rejection. *International Journal of Tomography & Statistics*, 2007, vol. **5**, No. W07, pp. 165-170.
21. Nazin S.A., B.T. Polyak and M.V. Topunov. Rejection of Bounded Exogenous Disturbances by the Method of Invariant Ellipsoids. *Automation and Remote Control*, 2007, vol. **68**, No. 3, pp. 467-486.
22. Nazin S.A. and B.T. Polyak. Rejection of External Disturbances via Invariant Sets Method. *Abstracts of the 2<sup>nd</sup> Scientific Conference "Theory and Practice of System Dynamics"*, Apatity, Russia, April 3-6, 2007, pp. 35-37, (in Russian).
23. Polyak B.T., S.A. Nazin and M.V. Topunov. The Invariant Ellipsoid Technique for Analysis and Design of Linear Control Systems. *Abstracts of the 14<sup>th</sup> International Workshop on Dynamic & Control*, Moscow-Zvenigorod, Russia, May 28 – June 2, 2007, p. 58.
24. Nazin S.A. and B.T. Polyak. Ellipsoidal-based Parametric Estimation in the Linear Multi-dimensional Systems with Uncertain Model Description. *Automation and Remote Control*, 2007, vol. **68**, No. 6, pp. 993-1005.