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Nikitin Alexey Antonovich.

Date of birth: 14 February 1983.

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Marital status: married, two daughters, son.

1. *Education*

- 2000 - 2005. Moscow State University. M. V. Lomonosov, Computational Mathematics and Cybernetics department;
- 2005 - 2008 postgraduate study, MSU, Computational Mathematics and Cybernetics department;
- 2008 (april) Candidate of physical and mathematical Sciences, "Differential equations"(01.01.02). Thesis topic: "The Third boundary condition in boundary control problems for the oscillation equation".

2. *Working Experience*

- from may 2008 to October 2013, assistant at the chair of General mathematics at Moscow State University. M. V. Lomonosov, Computational Mathematics and Cybernetics department;
- since October 2013, associate Professor of the chair of General mathematics at Moscow State University. M. V. Lomonosov, Computational Mathematics and Cybernetics department;
- since September 2009, associate Professor of the Department of Higher mathematics At the faculty of economic Sciences, Higher School of Economics;

3. *Publications*

- Nikitin A. A. Boundary control of an elastic force at one end of a string // Doklady Mathematics. — 2006. — Vol. 73, no. 1. — P. 77–79;
- Nikitin A. A. Optimization of boundary control produced by the third boundary condition // Doklady Mathematics. — 2007. — Vol. 76, no. 3. — P. 945–947;
- Nikitin A. A. On the mixed problem for the wave equation with the third and first boundary conditions // Differential Equations. — 2007. — Vol. 43, no. 12. — P. 1733–1741;

- Nikitin A. A. Boundary control of the third boundary // Automation and Remote Control. — 2007. — Vol. 68, no. 2. — P. 320–326;
- Nikitin A. A., Kuleshov A. A. Optimization of the boundary control induced by the third boundary condition // Differential Equations. — 2008. — Vol. 44, no. 5. — P. 701–711;
- A. A. Davydov, V. I. Danchenko, and A. A. Nikitin, Integral equation for stationary distributions of biological communities, Problems of Dynamic Control (Fak. Vychisl. Mat. Mat. Fiz. Mosk. Gos. Univ., Moscow, 2009), pp. 15–29 [in Russian];
- Nikitin A. A. Optimal boundary control of string vibrations by a force under elastic fixing // Differential Equations. — 2011. — Vol. 47, no. 12. — P. 1796–1805;
- Nikitin A. A. On the existence and uniqueness of a generalized solution of the mixed problem for the wave equation with the second and third boundary conditions // Differential Equations. — 2013. — Vol. 49, no. 5. — P. 645–653;
- On an Optimal Control Problem for the Wave Equation in One Space Dimension Controlled by Third Type Boundary Data // *Progress in Partial Differential Equations, Springer Proceedings in Mathematics & Statistics*, chapter 10, april, 2013, p.223-238;
- Bodrov A. G., Nikitin A. A. Qualitative and numerical analysis of an integral equation arising in a model of stationary communities // Doklady Mathematics. — 2014. — Vol. 89, no. 2. — P. 210–213;
- Bodrov A. G., Nikitin A. A. Examining the biological species steady-state density equation in spaces with different dimensions // Moscow University Computational Mathematics and Cybernetics. — 2015. — Vol. 39, no. 4. — P. 157–162;
- Kalistratova A. V., Nikitin A. A. Study of Dieckmann’s equation with integral kernels having variable kurtosis coefficient // Doklady Mathematics. — 2016. — Vol. 94, no. 2. — P. 574–577;
- Nikitin A. A., Savostianov A. S. Nontrivial stationary points of two-species self-structuring communities // Moscow University Computational Mathematics and Cybernetics. — 2017. — Vol. 41, no. 3. — P. 122–129;
- Nikitin A. A., On the closure of spatial moments in the biological model, and the integral equations to which it leads // International Journal of Open Information Technologies. — 2018. — T. 6, № 10. — C. 1–8;
- Nikitin A. A., Nikolaev M. V. Equilibrium integral equations with kurtosian kernels in spaces of various dimensions // Moscow University Computational Mathematics and Cybernetics. — 2018. — Vol. 42, no. 3. — P. 105–113;

- Nikolaev M. V., Nikitin A. A. The Leray-Schauder principle applied to the study of a nonlinear integral equation // *Differential Equations*. — 2019. — Vol. 55, no. 9. — P. 1164–1173.
- Nikolaev M. V., Nikitin A. A. On the existence and uniqueness of the solution of a nonlinear integral equation // *Doklady Mathematics*. — 2019. — Vol. 100, no. 2. — P. 485–487.
- Galkin E. G., Zelenkov V. K., Nikitin A. A. Computer simulations and numerical methods in two-species models of the spatial community // *International Journal of Open Information Technologies*. — 2019. — Vol. 7, no. 12. — P. 18–23;
- Galkin E. G., Nikitin A. A. Stochastic geometry for population-dynamic modeling: A Dieckmann model with immovable individuals // *Moscow University Computational Mathematics and Cybernetics*. — 2020. — Vol. 44, no. 2. — P. 61–68.
- Karpov A. D., Klepov V. Y., Nikitin A. A. On mathematical visualization in education // *Communications in Computer and Information Science*. — 2020. — Vol. 1140, no. 1. — P. 11–27;

Participant of several dozens of International and all-Russian congresses and seminars on topics related to optimal control, differential equations in ordinary and partial derivatives, and mathematical modeling.

4. *Professional interests*

- Optimal control of dynamic systems;
 - Mathematical biology;
 - The problems of scientometrics;
 - Problems of mathematical education, information technologies in higher education;
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