

Alexandra Rodkina

List of Main Publications

June 2013

Monographs

1. Ahmerov R.R., Kamenskii M.I., Potapov A.S., Rodkina A.E., Sadovskii B.N. *Theory of Neutral Type Equations*. Reviews of Science and Techniques. mathematical Analysis. 1984. V.19. pp. 55-126 (in Russian).
2. Ahmerov R.R., Kamenskii M.I., Potapov A.S., Rodkina A.E., Sadovskii B.N. *Measures of Noncompactness and Condensing Operators*. Novosibirsk. Nauka, 1986. 265 p.(in Russian).
3. Ahmerov R.R., Kamenskii M.I., Potapov A.S., Rodkina A.E., Sadovskii B.N. *Measures of Noncompactness and Condensing Operators*. Operator Theory: Advance and Appl. V.55, Birkhauser, 1992. 551 p.

Journal papers

1. Rodkina A.E., Sadovskii B.N. *On Krasnoselskii-Perov Connectivity Principle*. In Math. Dep. Memoirs. N7. Voronezh. Voronezh University Publisher. 1971. pp.89-103 (in Russian).
2. Ahmerov R.R., Rodkina A.E. *Differential Inequalities and Integral Funnel Structure for System of Neutral Type Functional-Differential Equation*. Differencialnie uravnenia. V.9, N5, 1973, pp.797-806 (in Russian).
3. Rodkina A.E. *On Continuability of Solutions for Neutral Type Functional-Differential Equations*. Differencialnie uravnenia. V.10, N2, 1974, pp.361-363 (in Russian).
4. Rodkina A.E., Sadovskii B.N. *On Differentiability of Translation Operator Along Trajectories of Solutions for Neutral Type Equations*. In Math. Dep. Memories. N12. 1974. pp.24-38 (in Russian).
5. Rodkina A.E. *On Continuability, Uniqueness and Continuous Dependence on Parameters Values of Solutions for Neutral Type Equations*. Differencialnie uravnenia. V.11, N2, 1975, pp.268-279 (in Russian).
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7. Rodkina A.E., Sadovskii B.N. *On the theory of generalized solutions of neutral type equations*. Collection of articles on applications of functional analysis. Voronezh. Tehnolog. Inst., Voronezh, 1975, pp. 161-166 (in Russian).

8. Rodkina A.E. *On One Topological Connectivity Principle*. Mathematical Science Advance. V.30. N2. 1975, pp.225-226.(in Russian).
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10. Rodkina A.E. *On One Change of Variable for Ordinary Differential Equations*. Differencialnie uravnenia. V.16. N12. 1980. pp.2281-2283 (in Russian).
11. Rodkina A.E. *On solvability of Neutral Type Equations in Different Functional Spaces*. Ukrainskii matematicheskii zhurnal. V.34. N6. 1982, pp. 64-69 (in Russian).
12. Rodkina A.E. *Implicit Function Theorem and Solvability of Neutral Type Equations*. Differencialnie Uravnenia. V.19. N6. 1983, pp.64-69 (in Russian).
13. Rodkina A.E. *On Existence and Uniqueness of Solution of Stochastic Differential Equation with Hereditary*. Stochastics. 1984. V.12, N3+4. pp.187-200.
14. Rodkina A.E. *On Solvability of Stochastic Differential Equations with Deviated Argument*. Ukrainskii Matem. Journal. 1985. V.37. N1. pp.98-103 (in Russian).
15. Rodkina A.E. *On Regularity of Solutions of Stochastic Equations for Systems with Hereditary*. Avtomatika i Telemekhanika. 1985. N5. pp.87-96 (in Russian).
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20. Rodkina A.E. *On Stochastic Integral Volterra Equation*. Proceedings of Moldova Academy of Science. Mathematics. N3(9). 1992. pp.9-15 (in Russian).
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26. Rodkina A. *On Stabilization of Stochastic Differential Equation with Retarded Argument*. Functional Differential Equations. V.3. N.1-2. 1995. pp.207-214.
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Stochastic Perturbations. *Difference Equations and Applications*, **14**, (9), 2008, 923-951.

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Conference Proceedings

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9. Rodkina A., Goncharov M. *On Asymptotic Stability of Nonlinear Stochastic Difference Equation with Finite Delay in Main Term*. Proceedings of the Fourth Conference. Faculty of Pure and Appl. Science. The University of the West Indies. Mona. January 12-14. 1999. p.115.
10. Rodkina A., Wierchigroch M. *On Stability of Cutting Processes in Presence of Random Noises*. European Control Conference ECC-99. Conference Proceedings. Karlsruhe. Germany. 1999. F 1027-3. 5p.
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Other Publications

1. Rodkina A.E., Mushtenko V.S. *Methodical Textbook, Control Tasks and a Program on V Part of High Mathematic Course for External Students*. Voronezh Civil Engineering Institute Publisher. Voronezh. 1980. 32 p. (in Russian).

2. Rodkina A.E. *Methodical Textbook on Runge-Kutta Method of Approximate Solution or Differential Equations*. Voronezh Civil Engineering Institute Publisher, Voronezh. 1980. 12 p.(in Russian).

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