

List of Publications

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PUBLICATIONS IN REFEREED JOURNALS

1. Khmelev D.V. Reconstruction of linear index expressions for reducing programs to a linear class//Zhurnal Vychislitel'noy Matematiki i Matematicheskoy Fiziki. Rossiyskaya Akademiya Nauk, 1998, vol.38, pp.532–544. Translated in “Computational Mathematics and Mathematical Physics”, 1998, vol. 38, No.3, pp.513–525.
2. Khmelev D.V. Limiting theorems for asymmetrical transportation networks//Fundamental and Applied mathematics, 2001, vol.7, no.4, pp. 1259–1266
3. Oseledets V.I., Khmelev D.V. Stochastic transportation networks and the stability of dynamical systems//Teoriya Veroyatnostey i ee Primeneniya, 2001, v.46, No.1, pp.147–154. Translated in “Theory of Probability and its Applications”.
4. Oseledets V.I., Khmelev D.V. Global stability of infinite systems of nonlinear differential equations, and non-homogeneous countable Markov chains (in Russian)[Global'naya ustoichivost' beskonechnykh system nelineynykh differentsial'nykh uravnenii]//Problemy Peredachi Informatsii, 2000, vol.36, no.1, pp.60–76. Translated in “Problems of Information Transmission”, 2000, vol.36, no.1, pp.54–70
5. Khmelev D.V. Markov chains and classification of text passages. (in Russian) [Raspoznavaniye avtora teksta s ispol'zovaniyem cepei A.A. Markova] Vestnik MGU, Ser.9:Philologiya, No 2, 2000, pp. 115–126.
6. Khmelev D.V. Disputed Authorship Resolution through Using Relative Empirical Entropy for Markov Chains of Letters in Human Language

Text//Journal of Quantitative Linguistics, 2000, Volume 7, No 3, pp.201–207.

7. Kukushkina O.V., Polikarpov A.A., Khmelev D.V., Using Literal and Grammatical Statistics for Authorship Attribution (in Russian) [Opredele niye avtorstva teksta s ispol'zovaniyem bukvennoi i grammaticheskoi informacii]//Problemy Peredachi Informatsii, 2001, vol.37, no.2, pp.96–108. Translated in “Problems of Information Transmission”, pp. 172–184.

8. Khmelev D., Tweedie F. Using Markov Chains for Identification of Writers//Literary and Linguistic Computing, 2001, vol.16, no.4, pp.299–307.

9. Khanin K., Khmelev D., Rybko A., Vladimirov A. Steady solutions for FIFO networks//Moscow Mathematical Journal, vol.1, no.3, pp.407–419.

PROCEEDINGS AND PREPRINTS

1. Afanassieva L.G., Khmelev D.V. Large transportation networks with finite-dimensional state space. Asymptotic approach//Proc. of 7th Vilnius Conference on Math. Stat., 1998.

2. Afanassieva L.G., Khmelev D.V. Large transportation networks with a finite-dimensional state space//Teorija Verojatnostei i ee Primenenija 1999, vol.44, N1, p.157–158. Translated to English in “Theory of Probability and its Applications” 1999, vol.44, N1, p.142–143.

3. Khmelev D.V., Oseledets V.I. Mean-field approximation for stochastic transportation network and stability of dynamical system//Technical Report 445, University of Bremen, June 1999. Preprint.

4. Khmelev D., Spodarev E. Stability of infinite closed Jackson networks//XX International Seminar on Stability Problems for Stochastic Models, Lublin – Naleczow, 5-11 September, 1999, Abstracts, p.85.

5. Khmelev D., Polikarpov A.A. Basic Assumptions about a Sign’s Life Cycle for Mathematical Modelling of Language System Evolution//Proceedings of the fourth conference of the International Quantitative Linguistics Association edited by R.H. Baayen. Prague, August 24-26, 2000.

6. Khmelev D. Disputed Authorship Resolution Using Relative Empirical Entropy For Markov Chain of Letters in a Text//Proceedings of the fourth conference of the International Quantitative Linguistics Association edited by R.H. Baayen. Prague, August 24-26, 2000.

7. Khmelev D.V., Spodarev E. Infinite closed Jackson networks. Technical Report Math/Inf/00/07, Friedrich-Schiller-Universität Jena, April 2000.
8. Khmelev D., Spodarev E. “Non-homogeneous zero-range interaction processes”, resume of the contribution to the XX Seminar on Stability Problems for Stochastic Models, Lublin - Naleczow, september 5-11 1999.
9. Khmelev D.V. Complexity Approach to Disputed Authorship Attribution (In Russian: Slozhnostnoi podkhod k zadache opredeleniya avtorstva)//Proceedings of the International Congress “Russian Language: Contemporaneity and Fates in History”, pp.426-427, Moscow, March 2001.

IN PREPARATION

1. Khanin K., Khmelev D. Homeomorphisms of the circle with the break-type singularity I. Periodic Rotation Numbers. (in preparation, 2001)
2. Khmelev D. Periodic trajectories for homeomorphisms of the circle with two break-type singularities. (in preparation, 2001)

UNPUBLISHED MANUSCRIPTS

1. Khmelev D.V. On program “Repetitor”//http://zhurnal.lib.ru/h/hmelew_d_w/