List of publications

1 To appear

1 M.E. Zhukovskii, On the zero-one k-law extensions, European J. of Combinatorics, 2014, under review.

2 J.H. Spencer, M.E. Zhukovskii, "Spectra for Random Graphs of fixed Quantifier Depth", Discrete Mathematics, (2014), in print.

3 M.E. Zhukovskii, "On infinite spectra of first order properties of random graphs", Moscow Journal of Combinatorics and Number Theory, 2015, under review.

2 Published in 2016

1 M.E. Zhukovskii, A.D. Matushkin, "Universal Zero-One k-Law", Mathematical Notes, 2016, Vol. 99, No. 4, 511–525.

2 M.E. Zhukovskii, A.E. Medvedeva, "On the maximal critical points in the Zero-One k-Law", Mathematical Notes, 2015, Vol. 99, No. 3, 342–349.

3 Published in 2015

1 J.H. Spencer, M.E. Zhukovskii, "On the spectra of first order language properties for random graphs", Doklady Mathematics, 2015, 463(6): 642–645.

2 M.E. Zhukovskii, "On the zero-one 4-law for the Erdos–Renyi random graph", Mathematical Notes, 2015, Vol. 97, No. 2, pp. 190–200 (Original Russian Text: M.E. Zhukovskii, 2014, published in Matematicheskie Zametki, 2015, Vol. 97, No. 2, pp. 203–216).

3 M.E. Zhukovskii, A.M. Raigorodskii, "Random graphs: models and limit properties", Russian Mathematical Surveys, 2015, Vol. 70, No 1, pp. 35–88.

4 M.E. Zhukovskii, "On the maximal critical point in zero-one k-law", Sbornik: Mathematics, 2015, Vol. 206, No. 4, pp. 13–34.

5 M.E. Zhukovskii, "On Limit Points of Spectra of the Random Graph First-Order Properties", Doklady Mathematics, 2015, Vol. 92, No. 3, pp. 719–723.

6 M.E. Zhukovskii, "The spectra of first order formulae with small quantifier depth", Russian Mathematical Surveys, 2015, Vol. 70, No. 6, 209–210.

4 Published in 2014

1 M.E. Zhukovskii, Extension of the zero-one k-law, Doklady Mathematics, January 2014, Volume 89, Issue 1, pp. 16–19 (Original Russian Text: M.E. Zhukovskii, 2014, published in Doklady Akademii Nauk, 2014, Vol. 454, No. 1, pp. 2326).

2 M.E. Zhukovskii, On the convergence of probabilities of the random graphs' properties expressed by first-order formulas with a bounded quantifier depth, Moscow Journal of Combinatorics and Theory of Numbers, 2014, Vol. 4, No. 2, pp. 119–154.

5 Published in 2013

1 M.E. Zhukovskii, Extension of the Zero-one k-law, Electronic Notes in Discrete Mathematics, 2013, pp. 263-269.

2 M.E. Zhukovskii, The Law of Large Numbers for the Number of Active Particles in an Epidemic Model, Theory Probab. Appl., 58(2), 297313, 2014 (Russian Original: 58(2), 2013, 235–254).

6 Published in 2012

1 M.E. Zhukovskii, Estimation of the number of maximal extensions in the random graph, Discrete Mathematics and Applications, 2012, 24(1): 79–107.

2 M.E. Zhukovskii, The Weak Zero-One Law for The Sequences of Random Distance Graphs, Sbornik: Mathematics, 203(7): 95-128, 2012.

3 M.E. Zhukovskii, On The Probability of Containing a Copy of a Fixed Graph by The Random Distance Graph, Mathematical Notes, 92(6): 844–855, 2012.

4 M.E. Zhukovskii, Zero-One k-Law, Discrete Mathematics, 2012, 312: 1670-1688.

5 M.E. Zhukovskii, Law of large numbers for the epidemic model, Doklady Akademii Nauk, 2012, 442(6): 736–739.

7 Published in 2011

1 M. E. Zhukovskii, Zero-One Laws for First-Order Formulas with a Bounded Quantifier Depth, Doklady Mathematics, Vol. 83, No. 1, pp. 8–11, 2011. (Russian original: Doklady Akademii Nauk, Vol. 436, No. 1, pp. 14-18, 2011).

2 M.E. Zhukovskii, On The Sequence of Random Distance Graphs That Satisfies Zero-One Law, Problems of Information Transmission, 2011, 47(3): 39-57.

8 Published in 2010

1 M.E. Zhukovskii, The Weak Zero-One Law for the Random Distance Graphs, Theory of Probability and its applications, Vol. 55, pp. 344-350, 2010.

2 M.E. Zhukovskii, The Weak Zero-One Laws for the Random Distance Graphs, Doklady Mathematics, Vol. 84, No. 1, pp. 51-54, 2010. (Russian original: Doklady Akademii Nauk, Vol. 430, No. 3, pp. 314-317, 2010).

3 M.E. Zhukovskii, The Weak "Zero-One" Law for the Random Distance Graphs, Bulletin of Peoples' Friendship University of Russia, 2(1), pp. 11-25, 2010.

9 Published in conference abstracts (mathematics)

1 M.E. Zhukovskii, On the Weak Zero-One Laws for the Random Distance Graphs, Abstracts of the talks at the international conference Eurocomb 2009, Bordeaux, France, September, 2009.

2 M.E. Zhukovskii, The Weak Zero-One Law for the Sequences of Random Distance Graphs, Abstracts of the talks at the international conference Lomonosov 2010, Moscow, Russia, April, 2010.

3 M.E. Zhukovskii, The Weak Zero-One Law for the Random Distance Graphs, Abstracts of the talks at the international conference "X international seminar on Discrete Mathematics", Moscow, Russia, February, 2010.

4 M.E. Zhukovskii, On the Zero-One Laws and the Zero-One j-Laws for the Random Graphs, Abstracts of the talks at the 8th French Combinatorial Conference, Orsay, France, June, 2010.

5 M.E. Zhukovskii, Law of Large Numbers for the Epidemic Model, Abstracts to the talks at the international conference Lomonosov 2011, Moscow, Russia, April, 2011.

6 M.E. Zhukovskii, On 0-1 Laws for Random Graphs, Abstracts to the talks at the international conference on Infinite and finite sets, Budapest, Hungary, June, 2011.

7 M.E. Zhukovskii, On convergence of probabilities of first-order properties when zero-one k-law for random graphs doesn't hold, Abstracts to the talks at the 4th Polish Combinatorial Conference, Bedlewo, Poland, September, 2012.

8 M.E. Zhukovskii, On zero-one k-laws for the random graphs, Abstracts to the talks at the 55-th scientific conference in MIPT, Moscow, Russia, November, 2012.

9 M.E. Zhukovskii, On zero-one k-laws for the random graphs, Abstracts to the talks at the 56-th scientific conference in MIPT, Moscow, Russia, November, 2013.

10 M.E. Zhukovskii, Zero-one laws for $G(n, n^{-\alpha})$, Abstracts to the talks at Moscow Workshop on Combinatorics and Number Theory, Moscow, Russia, January–February, 2014.

11 M.E. Zhukovskii, Zero-one k-laws for $G(n, n^{-\alpha})$, Abstracts to the talks at Workshop on Extremal Graph Theory, Moscow, Russia, June, 2014.

12 M.E. Zhukovskii, Zero-one k-laws for small k, Abstracts to the talks at the International Conference Sum(m)it:240, Budapest, Hungary, July, 2014.

13 M.E. Zhukovskii, On the spectrum of a first–orderproperty of the random graph, Abstracts to the talks at the 57-th scientific conference in MIPT, Moscow, Russia, November, 2014.

14 M.E. Zhuvovskii, On infinite spectra of first-order properties, Abstracts to the talk at the Workshop on Logic and Random Graphs, Leiden, Netherlands, September, 2015.

15 M.E. Zhukovskii, First-order properties with infinite spectra, Abstracts to the talks at the 58-th scientific conference in MIPT, Moscow, Russia, November, 2015.

10 Published in conference abstracts (information retrieval and machine learning)

1 Maxim Zhukovskiy, Dmitry Vinogradov, Yuri Pritykin, Liudmila Ostroumova, Evgeny Grechnikov, Gleb Gusev, Pavel Serdyukov, Andrei Raigorodskii, Empirical validation of the buckley-osthus model for the web host graph: degree and edge distributions, CIKM 2012: 1577-1581, Maui, Hawaii, USA, 2012.

2 Maxim Zhukovskiy, Dmitry Vinogradov, Gleb Gusev, Pavel Serdyukov, Andrei Raigorodskii, Recency-sensitive model of web page authority, CIKM 2012: 2627-2630, Maui, Hawaii, USA, October-November 2012.

3 Maksim Zhukovskii, Gleb Gusev, Pavel Serdyukov, URL Redirection Accounting for Improving Link-Based Ranking Methods, ECIR 2013: 656-667, Moscow, Russia, 24th-27th March, 2013.

4 Maxim Zhukovskiy, Andrei Khropov, Gleb Gusev, and Pavel Serdyukov, Fresh BrowseRank, SIGIR 2013: 1029-1032, Dublin, Ireland, July, 2013.

5 Maxim Zhukovskiy, Andrei Khropov, Gleb Gusev, Pavel Serdyukov, Introducing search behavior into browsing based models of page's importance, WWW (Companion Volume) 2013: 129-130, Rio de Janeiro, Brazil, 13th-17th May, 2013.

6 Maxim Zhukovskiy, Gleb Gusev, Pavel Serdyukov, Supervised Nested PageRank, CIKM 2014: 1059-1068, Shanghai, China, 2014.

7 Maxim Zhukovskiy, Tsimafei Khatkevich, Gleb Gusev, Pavel Serdyukov: An Optimization Framework for Propagation of Query-Document Features by Query Similarity Functions, CIKM 2015: 981-990, Melbourne, Australia, 2015.