

Списък с цитирания (WoS or Scopus)

Article	citations	sum
Danila D. Cherkashin and Jakub Kozik. A note on random greedy coloring of uniform hypergraphs. <i>Random Structures & Algorithms</i> , 47(3):407–413, 2015.	[21, 13, 24, 17, 6, 5, 65, 1, 43, 23, 37, 11, 8, 19, 18, 2, 53, 4, 26, 7]	21
Coloring cross-intersecting families Cherkashin D. (2018) <i>Electronic Journal of Combinatorics</i> , 25 (1), art. no. #P1.47	[72, 54, 55]	3
Extremal problems in hypergraph colourings Raigorodskii A.M., Cherkashin D.D. (2020) <i>Russian Mathematical Surveys</i> , 75 (1), pp. 146.	[3, 21, 13, 64, 17]	5
On the chromatic numbers of low-dimensional spaces D.D. Cherkashin, A.M. Raigorodskii <i>Doklady Mathematics</i> 95 (1), 5–6, 2017	[58, 22, 25, 46, 47, 52, 20]	7
On the chromatic number of an infinitesimal plane layer A. Kanel-Belov, V. Voronov, D. Cherkashin <i>St. Petersburg Mathematical Journal</i> 29(5), 68–89, 2018	[60, 48, 47, 52, 16, 50, 9, 10, 66, 68, 62, 29]	12
A note on panchromatic colorings Cherkashin, Danila	[35, 31, 65, 5, 6, 36, 3, 32, 2]	9
On the chromatic numbers of small-dimensional Euclidean spaces Cherkashin, D., Kulikov, A., Raigorodskii, A. <i>Discrete Applied Mathematics</i> , 2018, 243, pp. 125–131	[71, 69, 20, 59, 72, 47, 73, 63, 52, 16, 48, 34, 46, 61, 62]	15
On two-colorings of hypergraphs Cherkashin D.D., Kulikov A.B. (2011) <i>Doklady Mathematics</i> , 83 (1), pp. 68–71	[38, 70]	2
Weak forms of shadowing in topological dynamics Cherkashin, D., Kryzhevich, S. <i>Topological Methods in Nonlinear Analysis</i> , 2017, 50(1), pp. 125–150	[14]	1
Coloring general Kneser graphs and hypergraphs via high-discrepancy hypergraphs Balogh, J., Cherkashin, D., Kiselev, S. <i>European Journal of Combinatorics</i> , 2019, 79, pp. 228–236	[67, 21, 57, 40, 39, 33, 45, 17, 72, 65, 44, 30, 41, 28, 27, 56, 49, 15, 12]	19
On small n -uniform hypergraphs with positive discrepancy Cherkashin, D., Petrov, F. <i>Journal of Combinatorial Theory. Series B</i> , 2019, 139, pp. 353–359	[21, 40, 17, 65, 42, 41, 56]	7
Regular behavior of the maximal hypergraph chromatic number Cherkashin, D., Petrov, F. <i>SIAM Journal on Discrete Mathematics</i> , 2020, 34(2), pp. 1326–1333	[51]	1

Список литературы

- [1] Sachin Aglave, V. A. Amarnath, Saswata Shannigrahi, and Shwetank Singh. Improved bounds for uniform hypergraphs without property B. *Australas. J Comb.*, 76:73–86, 2020.
- [2] M. Akhmejanova and D. A. Shabanov. Equitable colorings of hypergraphs with r colors. *Journal of Mathematical Sciences*, 262(4):391–405, 2022.
- [3] Margarita Akhmejanova, József Balogh, and Dmitrii Shabanov. Chain method for panchromatic colorings of hypergraphs. *Discrete Applied Mathematics*, 321:72–81, 2022.
- [4] Margarita Akhmejanova and Dmitry Shabanov. Colorings of b -simple hypergraphs. *Electronic Notes in Discrete Mathematics*, 61:29–35, 2017.
- [5] Margarita Akhmejanova and Dmitry Shabanov. Coloring hypergraphs with bounded cardinalities of edge intersections. *Discrete Mathematics*, 343(4):111692, 2020.
- [6] Margarita B. Akhmejanova and Dmitry A. Shabanov. Equitable colorings of hypergraphs with few edges. *Discrete Applied Mathematics*, 276:2–12, 2020.
- [7] I. A. Akolzin. On colorings of 3-homogeneous hypergraphs in 3 colors. *Journal of Mathematical Sciences*, 250(6):881–895, 2020.

- [8] Ilia Akolzin and Dmitry Shabanov. Colorings of hypergraphs with large number of colors. *Discrete Mathematics*, 339(12):3020–3031, 2016.
- [9] A. V. Bobu and A. E. Kupriyanov. Refinement of lower bounds of the chromatic number of a space with forbidden one-color triangles. *Mathematical Notes*, 105:329–341, 2019.
- [10] L. I. Bogolyubsky and A. M. Raigorodskii. A remark on lower bounds for the chromatic numbers of spaces of small dimension with metrics l_1 and l_2 . *Mathematical Notes*, 105:180–203, 2019.
- [11] Marthe Bonamy and Ross J. Kang. List coloring with a bounded palette. *Journal of Graph Theory*, 84(1):93–103, 2017.
- [12] Boštjan Brešar, Nicolas Gastineau, Sandi Klavžar, and Olivier Togni. Exact distance graphs of product graphs. *Graphs and Combinatorics*, 35(6):1555–1569, 2019.
- [13] Matija Bucić, Stefan Glock, and Benny Sudakov. The intersection spectrum of 3-chromatic intersecting hypergraphs. *Proceedings of the London Mathematical Society*, 124(5):680–690, 2022.
- [14] D. Carrasco-Olivera, K. Lee, C.A. Morales, and H. Villavicencio. Finite-expansivity and n -shadowing. *Bulletin of the Brazilian Mathematical Society, New Series*, pages 1–20, 2021.
- [15] Kovalenko K. D. and Raigorodsky A. M. Systems of representative. *Mathematical Notes*, 106:372–277, 2019.
- [16] Yu. A. Demidovich. Distance graphs with large chromatic number and without cliques of given size in the rational space. *Mathematical Notes*, 106(1-2):38–51, 2019.
- [17] Yu. A. Demidovich. 2-colorings of hypergraphs with large girth. *Mathematical Notes*, 108(1):188–200, 2020.
- [18] Yu. A. Demidovich. On some generalizations of the property B problem of an n -uniform hypergraph. *Journal of Mathematical Sciences*, 262(4):457–475, 2022.
- [19] Yu. A. Demidovich and Andrei Mikhailovich Raigorodskii. 2-colorings of uniform hypergraphs. *Mathematical Notes*, 100(3):629–632, 2016.
- [20] Yu. A. Demidovich and Maksim Evgen’evich Zhukovskii. Chromatic numbers of distance graphs without short odd cycles in rational spaces. *Mathematical Notes*, 109(5-6):727–734, 2021.
- [21] Yury A. Demidovich. New lower bound for the minimal number of edges of simple uniform hypergraph without the property B_k . *Discrete Mathematics and Applications*, 32(3):155–176, 2022.
- [22] N. M. Derevyanko and S. G. Kiselev. Independence numbers of random subgraphs of some distance graph. *Problems of Information Transmission*, 53:307–318, 2017.
- [23] Dwight Duffus, Bill Kay, and Vojtěch Rödl. The minimum number of edges in uniform hypergraphs with Property O. *Combinatorics, Probability and Computing*, 27(4):531–538, 2018.
- [24] Asaf Ferber and Asaf Shapira. A quantitative Lovász criterion for Property B. *Combinatorics, Probability and Computing*, 29(6):956–960, 2020.
- [25] Peter Frankl and Andrey Kupavskii. Erdős–Ko–Rado theorem for $\{0, \pm 1\}$ -vectors. *Journal of Combinatorial Theory, Series A*, 155:157–179, 2018.
- [26] David G. Harris and Aravind Srinivasan. Algorithmic and enumerative aspects of the Moser–Tardos distribution. *ACM Transactions on Algorithms (TALG)*, 13(3):33, 2017.
- [27] M. M. Ipatov, M. M. Koshelev, and A. M. Raigorodskii. Modularity of some distance graphs. *Doklady Mathematics*, 101:60–61, 2020.
- [28] Amir Jafari and Mohammad Javad Moghaddamzadeh. On the chromatic number of generalized Kneser graphs and Hadamard matrices. *Discrete Mathematics*, 343(2):111682, 2020.
- [29] R. Janssen and L. van Steijn. Connectedness of unit distance subgraphs induced by closed convex sets. *Theory and Applications of Graphs*, 9(1), 2022.

- [30] Kovalenko K. On the independence number and the chromatic number of generalized preferential attachment models. *Discrete Applied Mathematics*, 285:301–306, 2020.
- [31] Stepan Kargaltsev, Dmitry Shabanov, and Talia Shaikheeva. Two values of the chromatic number of a sparse random graph. *Acta Mathematica Universitatis Comenianae*, 88(3):849–854, 2019.
- [32] Alina Eduardovna Khuzieva. Random constructions of hypergraphs with large girth and without panchromatic colorings. *Journal of Mathematical Sciences*, pages 1–10, 2022.
- [33] Mikhail Koshelev. New lower bound on the modularity of Johnson graphs. *Moscow Journal of Combinatorics and Number Theory*, 10(1):77–82, 2021.
- [34] Olga Andreevna Kostina. On lower bounds for the chromatic number of spheres. *Mathematical Notes*, 105:16–27, 2019.
- [35] Dmitry Kravstov, Nikolay Krokhmal, and Dmitry Shabanov. Panchromatic 3-colorings of random hypergraphs. *European Journal of Combinatorics*, 78:28–43, 2019.
- [36] D. A. Kravtsov, N. E. Krokhmal, and D. A. Shabanov. Panchromatic colorings of random hypergraphs. *Discrete Mathematics and Applications*, 31(1):19–41, 2021.
- [37] Andrey Kupavskii and Dmitry Shabanov. Colourings of uniform hypergraphs with large girth and applications. *Combinatorics, Probability and Computing*, 27(2):245–273, 2018.
- [38] A. V. Lebedeva. On algorithmic methods of analysis of two-colorings of hypergraphs. *Journal of Mathematical Sciences*, 213:211–229, 2016.
- [39] Ipatov M. Exact modularity of line graphs of complete graphs. *Moscow Journal of Combinatorics and Number Theory*, 10(1):61–75, 2021.
- [40] Koshelev M. M. Lower bounds on the clique-chromatic numbers of some distance graphs. *Moscow Journal of Combinatorics and Number Theory*, 10(2):141–148, 2021.
- [41] Raigorodskii A. M. and Koshelev M. M. New bounds on clique-chromatic numbers of Johnson graphs. *Discrete Applied Mathematics*, 283:724–729, 2020.
- [42] Vizer M. and Gerbner D. On non-adaptive majority problems of large query size. *Discrete Mathematics & Theoretical Computer Science*, 23(3), 2021.
- [43] Arès Méroueh and Andrew Thomason. List colorings of multipartite hypergraphs. *Random Structures & Algorithms*, 55(4):950–979, 2019.
- [44] Wu H. Mohar B. Fractional chromatic number of a random subgraph. *Journal of Graph Theory*, 95(3):467–472, 2020.
- [45] Petr Alekseevich Ogarok and Andrei M Raigorodskii. On stability of the independence number of a certain distance graph. *Problems of Information Transmission*, 56:345–357, 2020.
- [46] Roman Prosanov. Chromatic numbers of spheres. *Discrete Mathematics*, 341(11):3123–3133, 2018.
- [47] Roman Prosanov. A new proof of the Larman–Rogers upper bound for the chromatic number of the Euclidean space. *Discrete Applied Mathematics*, 276:115–120, 2020.
- [48] Roman I. Prosanov. Counterexamples to Borsuk’s conjecture with large girth. *Mathematical Notes*, 105:874–880, 2019.
- [49] F. A. Pushnyakov and A. M. Raigorodskii. Estimate of the number of edges in special subgraphs of a distance graph. *Mathematical Notes*, 107:322–332, 2020.
- [50] FA Pushnyakov. The number of edges in induced subgraphs of some distance graphs. *Mathematical Notes*, 105(3-4):582–591, 2019.
- [51] FA Pushnyakov and Andrei Mikhailovich Raigorodskii. Estimate of the number of edges in subgraphs of a Johnson graph. *Doklady Mathematics*, 104:193–195, 2021.

- [52] M. M. Pyaderkin. On the chromatic number of random subgraphs of a certain distance graph. *Discrete Applied Mathematics*, 267:209–214, 2019.
- [53] Jaikumar Radhakrishnan and Aravind Srinivasan. Property B: Two-coloring non-uniform hypergraphs. In *41st IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2021)*. Schloss Dagstuhl-Leibniz-Zentrum für Informatik, 2021.
- [54] A. M. Raigorodskii and E. D. Shishunov. On the independence numbers of some distance graphs with vertices in $\{-1, 0, 1\}^n$. *Doklady Mathematics*, 99(2):165–166, 2019.
- [55] A. M. Raigorodskii and T. V. Trukhan. On the chromatic numbers of some distance graphs. *Doklady Mathematics*, 98(2):515–517, 2018.
- [56] AM Raigorodskii and MM Koshelev. New bounds for the clique-chromatic numbers of Johnson graphs. *Doklady Mathematics*, 101(1):66–67, 2020.
- [57] Andrei Mikhailovich Raigorodskii and Viktor Sergeevich Karas’. Asymptotics of the independence number of a random subgraph of the graph. *Mathematical Notes*, 111(1-2):124–131, 2022.
- [58] A. Sagdeev. The chromatic number of space with forbidden regular simplex. *Mathematical Notes*, 102(3-4):541–546, 2017.
- [59] A. A. Sagdeev. On the chromatic numbers corresponding to exponentially Ramsey sets. *Journal of Mathematical Sciences*, 247(3):488–497, 2020.
- [60] Arsenii A. Sagdeev and Andrei M. Raigorodskii. On a Frankl–Wilson theorem and its geometric corollaries. *Acta Mathematica Universitatis Comenianae*, 88(3):1029–1033, 2019.
- [61] Arsenii Alekseevich Sagdeev. Exponentially Ramsey sets. *Problems of Information Transmission*, 54:372–396, 2018.
- [62] Arsenii Alekseevich Sagdeev. On the Frankl–Rödl theorem. *Izvestiya: Mathematics*, 82(6):1196, 2018.
- [63] Arsenii Alekseevich Sagdeev. On a Frankl–Wilson theorem. *Problems of Information Transmission*, 55:376–395, 2019.
- [64] Vipin Singh Sehrawat, Foo Yee Yeo, and Yvo Desmedt. Extremal set theory and LWE based access structure hiding verifiable secret sharing with malicious-majority and free verification. *Theoretical Computer Science*, 886:106–138, 2021.
- [65] Dmitry Aleksandrovich Shabanov and Taliya Maratovna Shaikheeva. The list-chromatic number of complete multipartite hypergraphs and multiple covers by independent sets. *Mathematical Notes*, 107(3):499–508, 2020.
- [66] L. E. Shabanov. Turán-type results for distance graphs in an infinitesimal plane layer. *Journal of Mathematical Sciences*, 236:554–578, 2019.
- [67] Ya. K. Shubin. Lower bound on the minimum number of edges in subgraphs of Johnson graphs. *Problems of Information Transmission*, 58(4):382–388, 2022.
- [68] Artemy Sokolov and Andrei Mikhailovich Raigorodskii. On rational analogs of Nelson–Hadwiger’s and Borsuk’s problems. *Chebyshevskii Sbornik*, 19(3):270–281, 2018.
- [69] Yeni Susanti, Sri Wahyuni, Aluysius Sutijana, Sutopo Sutopo, and Iwan Ernanto. Generalized arithmetic staircase graphs and their total edge irregularity strengths. *Symmetry*, 14(9):1853, 2022.
- [70] SM Teplyakov. Upper bound in the Erdős–Hajnal problem of hypergraph coloring. *Mathematical Notes*, 93(1-2):191–195, 2013.
- [71] V. A. Voronov, A. M. Neopryatnaya, and E. A. Dergachev. Constructing 5-chromatic unit distance graphs embedded in the Euclidean plane and two-dimensional spheres. *Discrete Mathematics*, 345(12):113106, 2022.
- [72] Dmitriy Zakharov. Chromatic numbers of Kneser-type graphs. *Journal of Combinatorial Theory, Series A*, 172:105188, 2020.
- [73] Dmitriy Andreevich Zakharov. Chromatic numbers of some distance graphs. *Mathematical Notes*, 107:238–246, 2020.