

List of publications

Danila Cherkashin

Список литературы

- [1] Черкашин Д. Д. and А. Б. Куликов. О двуцветных раскрасках гиперграфов. *Доклады Академии наук*, 436:316–319, 2011. [English translation in *Doklady Mathematics* 83 , no. 1(2011), 68–71].
- [2] Danila D. Cherkashin. About maximal number of edges in hypergraph-clique with chromatic number 3. *Moscow Journal of Combinatorics and Number Theory*, 1(3):3–11, 2011.
- [3] D. D. Cherkashin, A. B. Kulikov, and A. M. Raigorodskii. On hypergraph cliques with chromatic number 3 and a given number of vertices. *Труды Московского физико-технического института*, 4(1):151–156, 2012.
- [4] Danila D. Cherkashin and Jakub Kozik. A note on random greedy coloring of uniform hypergraphs. *Random Structures & Algorithms*, 47(3):407–413, 2015.
- [5] Danila Cherkashin and Sergey Kryzhevich. Weak forms of shadowing in topological dynamics. *Topological Methods in Nonlinear Analysis*, 50(1):125–150, 2017.
- [6] Д. Д. Черкашин and Райгородский А. М. О хроматических числах пространств малой размерности. *Доклады Академии наук*, 472(1):11–12, 2017. [English translation in *Doklady Mathematics* 95, no. 1(2017), 5–6].
- [7] А. Я. Канель-Белов, В. А. Воронов, and Д. Д. Черкашин. О хроматическом числе плоскости. *Алгебра и анализ*, 29(5):68–89, 2017. [English translation in *St. Petersburg Mathematical Journal* 29, no. 5(2018), 761–775].
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- [10] Danila Cherkashin and Yana Teplitskaya. On the horseshoe conjecture for maximal distance minimizers. *ESAIM: Control, Optimisation and Calculus of Variations*, 24(3):1015–1041, 2018.
- [11] Danila Cherkashin, Anatoly Kulikov, and Andrei Raigorodskii. On the chromatic numbers of small-dimensional Euclidean spaces. *Discrete Applied Mathematics*, 243:125–131, 2018.
- [12] Danila Cherkashin and Fedor Petrov. On small n -uniform hypergraphs with positive discrepancy. *Journal of Combinatorial Theory, Series B*, 139:353–359, 2019.
- [13] József Balogh, Danila Cherkashin, and Sergei Kiselev. Coloring general Kneser graphs and hypergraphs via high-discrepancy hypergraphs. *European Journal of Combinatorics*, 79:228–236, 2019.
- [14] Danila Dmitrievich Cherkashin. On the Erdős–Hajnal problem in the case of 3-graphs. *Записки научных семинаров ПОМИ*, 488:168–176, 2019. [English translation in *Journal of Mathematical Sciences* 255 (1), 103–108, 2021].
- [15] Danila Cherkashin and Fedor Petrov. Regular behavior of the maximal hypergraph chromatic number. *SIAM Journal on Discrete Mathematics*, 34(2):1326–1333, 2020.
- [16] Андрей Михайлович Райгородский and Данила Дмитриевич Черкашин. Экстремальные задачи в раскрасках гиперграфов. *Успехи математических наук*, 75(1 (451)):95–154, 2020. English translation in *Russian Mathematical Surveys*, 75(1), 89–146, 2020.
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- [18] Danila Cherkashin and Pavel Prozorov. On the minimal sum of weights of edges in a signed edge-dominated graph. *The Electronic Journal of Combinatorics*, 29(3):#P3.38, 2022.
- [19] Mikhaylo Antipov and Danila Cherkashin. Lovász theta approach to eventown problem. *Linear Algebra and its Applications*, 655:302–313, 2022.