

List of publications A.B. Kupavskii

1. A. Kupavskii, A.M.Raigorodskii, *On dividing three-dimensional sets into five parts of smaller diameter*, Matematicheskie Zametki 87, N2 (2010), 233–245 (in Russian); Mathematical Notes 87, N2 (2010), 218–229 (in English).
2. A. Kupavskiy, A.M.Raigorodskii, *About chromatic number of \mathbb{R}^9* , Fundamentalnaya i Prikladnaya Matematika 14, N5 (2008), 139–154 (in Russian); Journal of mathematical sciences 163, N6 (2008), 720–731 (in English).
3. A. Kupavskii, *Lifting lower bounds of the chromatic number of \mathbb{R}^n in higher dimension*, Doklady Akademii Nauk 429, N3 (2009), 305–308 (in Russian); Doklady Mathematics 80, N3 (2009), 833–836 (in English).
4. A. Kupavskii, *On the coloring of spheres, embedded in \mathbb{R}^n* , Matematicheskiy Sbornik 202, N6 (2011), 83–110 (in Russian); Sbornik: Mathematics 202, N6 (2011), 859–886 (in English).
5. A. Kupavskii, *The chromatic number of the space \mathbb{R}^n with the set of forbidden distances*, Doklady Akademii Nauk 435, N6 (2010), 740–743 (in Russian); Doklady Mathematics 82, N3 (2010), 963–966 (in English).
6. A. Kupavskiy, *The chromatic number of the space \mathbb{R}^n with arbitrary norm*, Discrete Mathematics 311 (2011), 437–440.
7. A. Kupavskii, A.M.Raigorodskii, M.Titova, *On densest sets without distance one in small-dimensional spaces*, Proceedings of Moscow Institute of physics and Technology 4, N1–13 (2012), 111–121.
8. A. Kupavskii, E.I.Ponomarenko, A.M.Raigorodskii, *On some analogues of Borsuk problem in \mathbb{Q}^d* , Proceedings of Moscow Institute of physics and Technology 4, N1–13 (2012), 81–90 (in Russian).
9. A. Kupavskii, A.M.Raigorodskii, *On distance graphs with large chromatic numbers and small clique numbers*, Doklady Mathematics 85, N3 (2012), 394–398.
10. A. Kupavskii, D.A.Shabanov, *Colorings of uniform hypergraphs with large girth*, Doklady Mathematics 85, N2 (2012), 247–250.
11. A. Kupavskii, *Distance graphs with large girth and large chromatic number*, Reviews of Industrial and Applied Mathematics 19, N2 (2012), 213–215 (in Russian).
12. A. Kupavskii, *Distance graphs with large chromatic number and arbitrary girth*, Moscow Journal of Combinatorics and Number Theory 2, N2 (2012), 52–62.

13. A. Kupavskii, A.M.Raigorodskii, *Counterexamples to Borsuk's conjecture on spheres of small radii*, Moscow Journal of Combinatorics and Number Theory 2, N4 (2012), 27–48.
14. A. Kupavskii, M. Titova, *Distance Ramsey numbers*, Doklady Akademii Nauk 449, N3 (2013), 267–270 (in Russian); Doklady Mathematics 87, N2 (2013), 171–174 (in English).
15. A. Kupavskii, A. Raigorodskii, M. Titova, *New bounds for distance Ramsey numbers*, Discrete Mathematics 313 (2013), 2566–2574.
16. D. Il'inskiy, A. Kupavskii, A. Raigorodskii, A. Skopenkov, *Discrete analysis for mathematicians and computer scientists*, Matematicheskoe Prosveshenie 3, N 17 (2013), 162–181.
17. A. Kupavskii, L. Ostroumova, P. Tetali, D. Shabanov, *The distribution of second degrees in the Buckley–Osthus random graph model*, Internet Mathematics 9, N4 (2013) 297–335
18. A. Kupavskii, A.M.Raigorodskii, *On obstacles to realization of distance graphs with large chromatic number on spheres of small radii*, Sbornik: Mathematics 204, N10 (2013) 1435–1479.
19. A. B. Kupavskii, D. A. Shabanov, *Colorings of partial Steiner systems and their applications*, Fundam. Prikl. Mat. 18, N3 (2013), 77–115.
20. A. Kupavskii, *Diameter graphs in \mathbb{R}^4* , Discrete and Computational Geometry 51, N 4 (2014), 842–858.
21. A. Kupavskii, *Explicit and probabilistic constructions of distance graphs with small clique numbers and large chromatic numbers*, Izvestiya: Mathematics 78, N1 (2014), 59–89.
22. V. Bulankina, A. Kupavskii, A. Polyanskiy, *Note on Schur's conjecture in \mathbb{R}^4* , Doklady Mathematics 89, N1 (2014), 88–91.
23. N. Alon, A. Kupavskii, *Two notions of unit distance graphs*, Journal of Combinatorial Theory, Series A 125 (2014), 1–17.
24. V. Bulankina, A. Kupavskii, A. Polyanskiy, *On Schur's conjecture in \mathbb{R}^4* , to appear in Mat. Zametki
25. A. Kupavskii, D.A. Shabanov, *On r -colorability of random hypergraphs*, arXiv:1110.1249v1.

26. A. Kupavskii, D.A. Shabanov, *Colorings of uniform hypergraphs and Poisson random processes*, submitted.
27. Andrey B. Kupavskii, Alexandr Polyanskii, *Proof of Schur's conjecture in R^d*
arXiv:1402.3694v1
28. Andrey B. Kupavskii, *On random subgraphs of Kneser and Schrijver graphs*
arXiv:1502.00699v1
29. Andrey B. Kupavskii, *Number of double-normal pairs in space* arXiv:1412.4405v1