Casey Tompkins

Publication List

1. D. Chakraborti, K. Hendrey, B. Lund, C. Tompkins. Rainbow saturation for complete graphs. To appear in SIAM Journal on Discrete Mathematics.
2. Z Lv, E Győri, Z. He, N. Salia, C. Tompkins, X. Zhu. The maximum number of copies of an even cycle in a planar graph. Journal of Combinatorial Theory, Series B 167, 15-22, 2024.
3. Z. Lv, E. Győri, Z. He, N. Salia, C. Tompkins, K. Varga, X. Zhu. Generalized Turán numbers for the edge blow-up of a graph. Discrete Mathematics 347 (1), 113682, 2024.
4. Z. He, P. Frankl, E. Győri, Z. Lv, N. Salia, C. Tompkins, K. Varga, X. Zhu. Extremal results for graphs avoiding a rainbow subgraph. The Electronic Journal of Combinatorics, 31 (1), 2024.
5. X. Zhu, E. Győri, Z. He, Z. Lv, N. Salia, C. Tompkins, K. Varga. Edges Not Covered by Monochromatic Bipartite Graphs. SIAM Journal on Discrete Mathematics 37 (4), 2508-2522, 2023.
6. D. Malec, C. Tompkins. Localized versions of extremal problems. European Journal of Combinatorics 112, 103715, 2023.
7. J. Balogh, C. Chen, K. Hendrey, B. Lund, H. Luo, C. Tompkins, T. Tran. Maximal 3-wise intersecting families. Combinatorica, 1-22, 2023.
8. D. Grósz, A. Methuku, C. Tompkins. Ramsey numbers of Boolean lattices. Bulletin of the London Mathematical Society 55 (2), 914-932, 2023.
9. E. Győri, N. Salia, C. Tompkins, O. Zamora. Turán numbers of Berge trees. Discrete Mathematics 346 (4), 113286, 2023.
10. J. Gollin, K. Hendrey, A. Methuku, C. Tompkins, X. Zhang. Counting cliques in 1-planar graphs. European Journal of Combinatorics 109, 103654, 2023.
11. M. Axenovich, L. Benz, D. Offner, C. Tompkins. Generalized Turán densities in the hypercube. Discrete Mathematics 346 (2), 113238, 2023.
12. A. Grzesik, E. Győri, N. Salia, C. Tompkins. Subgraph densities in K_r-free graphs. The Electronic Journal of Combinatorics, 30 (1), 2023.
13. B. Ergemlidze, E. Győri, A. Methuku, N. Salia, C. Tompkins. On 3-uniform hypergraphs avoiding a cycle of length four. Electronic Journal of Combinatorics, 2023.
14. E. Győri, A. Paulos, N. Salia, C. Tompkins, O. Zamora. The maximum number of paths of length three in a planar graph. Journal of Graph Theory 101 (3), 493-510, 2022.
15. E. Győri, N. Salia, C. Tompkins, O. Zamora. Inverse Turán numbers. Discrete Mathematics 345 (5) 2022.
16. G. Damásdi, B. Keszegh, D. Malec, C. Tompkins, Z. Wang, O. Zamora. Saturation problems in the Ramsey theory of graphs, posets and point sets. European Journal of Combinatorics 95, 103321, 2021.
17. M. Axenovich, D. Offner, C. Tompkins. Long path and cycle decompositions of even hypercubes. European Journal of Combinatorics 95, 103320, 2021.

18. M. Axenovich, C. Tompkins, L. Weber. Large homogeneous subgraphs in bipartite graphs with forbidden induced subgraphs. Journal of Graph Theory 97 (1), 34–46, 2021.

19. E. Győri, A. Paulos, N. Salia, C. Tompkins, O. Zamora. Generalized Planar Turán Numbers. The Electronic Journal of Combinatorics 22 (4), 2021.

20. D. Grósz, A. Methuku, and C. Tompkins. Uniformity thresholds for the asymptotic size of extremal Berge-F-free hypergraphs. European Journal of Combinatorics 88, 103109 2020.

21. D. Gerbner, B. Keszegh, A. Methuku, D. Nagy, B. Patkós, C. Tompkins, C. Xiao. Set systems related to a house allocation problem. Discrete Mathematics 343 (7), 111886, 2020.

22. D. Grósz, A. Methuku, C. Tompkins. On subgraphs of C_{2k}-free graphs and a problem of Kühn and Osthus. Combinatorics, Probability and Computing 1–19, 2020.

23. C. Tompkins, J. Xiao. On forbidden poset problems in the linear lattice. Electronic Journal of Combinatorics 27(1), 2020.

24. B. Ergemlidze, E. Győri, A. Methuku, C. Tompkins, O. Zamora. Avoiding long Berge cycles, the missing cases $k = r+1$ and $k = r+2$. Combinatorics, Probability and Computing, 1–13, 2019.

25. G. Bacsó, C. Bujtás, C. Tompkins, Zs. Tuza. Disjoint Paired-Dominating sets in Cubic Graphs. Graphs and combinatorics 35(5), 1129–1138, 2019.

26. E. Győri, G. Katona, L. Papp, C. Tompkins. The optimal pebbling number of staircase graphs. Discrete Mathematics 342(7), 2148–2157, 2019.

27. N. Salia, C. Tompkins, O. Zamora. An Erdős-Gallai type theorem for vertex colored graphs. Graphs and Combinatorics 35, 689–694, 2019.

28. N. Salia, C. Tompkins, Z. Wang, O. Zamora. Ramsey numbers of Berge hypergraphs and related structures. Electronic Journal of Combinatorics, 4(40), 2019.

29. E. Győri, N. Salia, C. Tompkins, O. Zamora. The maximum number of P_ℓ copies in P_k-free graphs. Discrete Mathematics and Theoretical Computer Science 21(1), 2019.

30. E. Győri, D. Korándi, A. Methuku, I. Tomon, C. Tompkins, M. Vizer. On the Turán number of some ordered even cycles. European Journal of Combinatorics 73, 81–88, 2018.

31. E. Győri, A. Methuku, N. Salia, C. Tompkins, M. Vizer On the maximum size of connected hypergraphs without a path of given length. Discrete Mathematics 341 (9), 2602–2605, 2018.

32. D. Grósz, A. Methuku, and C. Tompkins. An upper bound on the size of diamond-free families of sets. Journal of Combinatorial Theory, Series A 156, 164–194, 2018.

33. A. Davoodi, E. Győri, A. Methuku, C. Tompkins. An Erdős-Gallai type theorem for uniform hypergraphs. European Journal of Combinatorics 69, 159–162, 2018.

34. J. Cardinal, S. Felsner, T. Miltzow, C. Tompkins, B. Vogtenhuber. Intersection graphs of rays and grounded segments. Journal of Graph Algorithms and Applications 22(2) 273–294, 2018.

35. D. Gerbner, A. Methuku, C. Tompkins. Intersecting P-free families. Journal of Combinatorial Theory, Series A 151, 61–83, 2017.

36. P. Aboulker, G. Lagarde, D. Malec, A. Methuku, C. Tompkins. De Bruijn-Erdős type theorems for graphs and posets. Discrete Mathematics 340(5), 995–999, 2017.

37. D. Grósz, A. Methuku, and C. Tompkins. An improvement of the general bound on the largest family of subsets avoiding a subposet. Order 34, 113–125, 2017.

38. M. Ferrara, D. Johnston, S. Loeb, F. Pfender, A. Schulte, H. Smith, E. Sullivan, M. Tait, C. Tompkins. On Edge-Colored Saturation Problems.
Journal of Combinatorics 11.4, 2017.

39. E. Győri, S. Kensell, C. Tompkins. Making a C_6-free graph C_4-free and bipartite. Discrete Applied Mathematics 209, 133–136, 2015.

40. A. Methuku and C. Tompkins. Exact forbidden subposet results using chain decompositions of the cycle. The Electronic Journal of Combinatorics, 22(4), 2015.

41. E. Győri, B. Li, N. Salia, C. Tompkins, K. Varga, M. Zhu. On graphs without cycles of length 0 modulo 4. arXiv:2312.09999.

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43. S. Cambie, E. Győri, N. Salia, C. Tompkins, J. Tuite. The maximum Wiener index of a uniform hypergraph. arXiv:2302.08686.

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45. N. Salia, C. Spiegel, C. Tompkins, O. Zamora. Independent Chains in Acyclic Posets. arXiv:1912.03288.

46. C. Tompkins and Y. Wang. On an extremal problem involving a pair of forbidden posets. arXiv:1710.10760.

47. E. Győri, A. Paulos, N. Salia, C. Tompkins, O. Zamora. The maximum number of pentagons in a planar graph. arXiv:1909.13532.

48. E. Győri, R. Martin, A. Paulos, C. Tompkins, K. Varga. On the rainbow planar Turán number of paths. arXiv:2301.10393.