Publications of Y. Kohayakawa*

1. Y. Kohayakawa, *An application of algebraic topology in the theory of graphs*, Master's thesis, Institute of Mathematics and Statistics, University of São Paulo, 1986, In Portuguese.
2. ———, *Extremal combinatorics and the evolution of random graphs*, Ph.D. thesis, Dept of Pure Mathematics and Mathematical Statistics, University of Cambridge, 1990.
3. ———, *Topics in Ramsey theory and extremal combinatorics*, Institute of Mathematics and Statistics, University of São Paulo, 1996, manuscript submitted for the degree of *Livre-Docência* at the University of São Paulo, in Portuguese.
4. ———, *A note on kernels of intersecting families*, European Journal of Combinatorics **11** (1990), 155–164.
5. ———, *A note on induced cycles in Kneser graphs*, Combinatorica **11** (1991), 245–251.
6. B. Bollobás and Y. Kohayakawa, *The hitting time of Hamilton cycles in random bipartite graphs*, Graph Theory, Combinatorics, Algorithms, and Applications (Philadelphia) (Y. Alavi, F. Chung, R. Graham, and D. Hsu, eds.), SIAM, 1991, pp. 26–41.
7. B. Bollobás, Y. Kohayakawa, and T. Łuczak, *The evolution of random subgraphs of the cube*, Random Structures and Algorithms **3** (1992), 55–90.
8. Y. Kohayakawa and J. Wojciechowski, *On small graphs with highly imperfect powers*, Discrete Mathematics **104** (1992), 245–261.
9. G. Brightwell and Y. Kohayakawa, *Ramsey properties of orientations of graphs*, Random Structures and Algorithms **4** (1993), 413–428.
10. Y. Kohayakawa, *The regularity lemma of Szemerédi for sparse graphs*, manuscript (cited in the literature), August 1993.
11. B. Bollobás and Y. Kohayakawa, *An extension of the Erdős–Stone theorem*, Combinatorica **14** (1994), no. 3, 279–286.
12. B. Bollobás, Y. Kohayakawa, and T. Łuczak, *On the evolution of random Boolean functions*, Extremal Problems for Finite Sets (Visegrád) (P. Frankl, Z. Füredi, G. Katona, and D. Miklós, eds.), Bolyai Society Mathematical Studies, vol. 3, János Bolyai Mathematical Society, 1994, pp. 137–156.
13. B. Bollobás and Y. Kohayakawa, *Percolation in high dimensions*, European Journal of Combinatorics **15** (1994), 113–125.
14. B. Bollobás, Y. Kohayakawa, and T. Łuczak, *On the diameter and radius of random subgraphs of the cube*, Random Structures and Algorithms **5** (1994), no. 5, 627–648.
15. P. Ferrari, L. Fontes, and Y. Kohayakawa, *Invariant measures for a two species asymmetric process*, Journal of Statistical Physics **76** (1994), no. 5/6, 1153–1177.
16. B. Bollobás and Y. Kohayakawa, *A note on long-range percolation*, Graph Theory, Combinatorics, and Algorithms (New York) (Y. Alavi and A. Schwenk, eds.), vol. 1, Wiley, 1995, pp. 97–113.
17. B. Bollobás, Y. Kohayakawa, and T. Łuczak, *Connectivity properties of random subgraphs of the cube*, Random Structures and Algorithms **6** (1995), no. 2–3, 221–230.
18. P. Haxell and Y. Kohayakawa, *On an anti-Ramsey property of Ramanujan graphs*, Random Structures and Algorithms **6** (1995), no. 4, 417–431.
19. ———, *The size-Ramsey number of trees*, Israel Journal of Mathematics **89** (1995), no. 1–3, 261–274.
20. Y. Kohayakawa and T. Łuczak, *Sparse anti-Ramsey graphs*, Journal of Combinatorial Theory, Series B **63** (1995), 146–152.
21. P. Haxell, Y. Kohayakawa, and T. Łuczak, *The induced size-Ramsey number of cycles*, Combinatorics, Probability and Computing **4** (1995), no. 3, 217–239.
22. ———, *Turán's extremal problem in random graphs: forbidding even cycles*, Journal of Combinatorial Theory, Series B **64** (1995), 273–287.

*2026/03/21, 2:56pm

23. Y. Kohayakawa and J. Soares, *Transparent proofs and the impossibility of approximations*, Lecture Notes for the 20th Brazilian Mathematics Colloquium, IMPA, Institute of Pure and Applied Mathematics, Rio de Janeiro, July 1995, $x + 107$pp. In Portuguese.
24. Y. Kohayakawa and I. Simon (eds.), *Semana de Combinatória, A meeting held in honour of Professor Paul Erdős*, Resenhas IME–USP, vol. 2, no. 2, University of São Paulo Press, 1995, see MR **96g:**00037.
25. P. Haxell, Y. Kohayakawa, and T. Łuczak, *Turán's extremal problem in random graphs: forbidding odd cycles*, Combinatorica **16** (1996), no. 1, 107–122.
26. Y. Kohayakawa, T. Łuczak, and V. Rödl, *Ramsey-type results for oriented trees*, J. Graph Theory **22** (1996), no. 1, 1–8. MR 1383985
27. ———, *Arithmetic progressions of length three in subsets of a random set*, Acta Arithmetica **LXXV** (1996), no. 2, 133–163.
28. P. Haxell and Y. Kohayakawa, *Partitioning by monochromatic trees*, Journal of Combinatorial Theory, Series B **68** (1996), no. 2, 218–222.
29. B. Bollobás and Y. Kohayakawa, *On Richardson's model on the hypercube*, Combinatorics, Geometry and Probability (B. Bollobás and A. Thomason, eds.), Cambridge University Press, Cambridge, 1997, ISBN 0 521 584728, pp. 129–137.
30. Y. Kohayakawa, T. Łuczak, and V. Rödl, *On K^4-free subgraphs of random graphs*, Combinatorica **17** (1997), no. 2, 173–213.
31. P. Erdős, A. Gyárfás, and Y. Kohayakawa, *The size of the largest bipartite subgraphs*, Discrete Mathematics **177** (1997), no. 1–3, 267–271.
32. Y. Kohayakawa and B. Kreuter, *Threshold functions for asymmetric Ramsey properties involving cycles*, Random Structures and Algorithms **11** (1997), no. 3, 245–276.
33. Y. Kohayakawa, *Szemerédi's regularity lemma for sparse graphs*, Foundations of Computational Mathematics (Rio de Janeiro) (F. Cucker and M. Shub, eds.), Springer-Verlag, January 1997, pp. 216–230.
34. Y. Kohayakawa, B. Kreuter, and A. Steger, *An extremal problem for random graphs and the number of graphs with large even-girth*, Combinatorica **18** (1998), no. 1, 101–120.
35. P. Haxell and Y. Kohayakawa, *Packing and covering triangles in tripartite graphs*, Graphs and Combinatorics **14** (1998), no. 1, 1–10.
36. Y. Kohayakawa, H.-J. Prömel, and V. Rödl, *Induced Ramsey numbers*, Combinatorica **18** (1998), no. 3, 373–404.
37. L. Fontes, M. Isopi, Y. Kohayakawa, and P. Picco, *The spectral gap of the REM under the Metropolis dynamics*, Annals of Applied Probability **8** (1998), no. 3, 917–943.
38. B. Bollobás, Y. Kohayakawa, and R. H. Schelp, *Essentially infinite colourings of graphs*, J. London Math. Soc. (2) **61** (2000), no. 3, 658–670. MR 2001b:05218
39. N. Alon, M. Capalbo, Y. Kohayakawa, V. Rödl, A. Ruciński, and E. Szemerédi, *Universality and tolerance* (*extended abstract*), 41st Annual Symposium on Foundations of Computer Science (FOCS 2000) (Redondo Beach, CA, 2000) (Los Alamitos, CA), IEEE Comput. Soc. Press, 2000, CMP 1 931 800, pp. 14–21. MR 1 931 800
40. Y. Kohayakawa, B. Kreuter, and D. Osthus, *The length of random subsets of Boolean lattices*, Random Structures Algorithms **16** (2000), no. 2, 177–194.
41. Y. Kohayakawa, V. Rödl, and J. Skokan, *Equivalent conditions for regularity* (*extended abstract*), LATIN 2000: Theoretical Informatics (Punta del Este, 2000) (G. Gonnet, D. Panario, and A. Viola, eds.), Lecture Notes in Computer Science, Springer, Berlin, 2000, pp. 48–57.
42. C. de Figueiredo, S. Klein, Y. Kohayakawa, and B. Reed, *Finding skew partitions efficiently* (*extended abstract*), LATIN 2000: Theoretical Informatics (Punta del Este, 2000) (G. Gonnet, D. Panario, and A. Viola, eds.), Lecture Notes in Computer Science, Springer, Berlin, 2000, pp. 163–172.
43. C. M. H. de Figueiredo, S. Klein, Y. Kohayakawa, and B. A. Reed, *Finding skew partitions efficiently*, J. Algorithms **37** (2000), no. 2, 505–521. MR 2001j:05114
44. Y. Kohayakawa and V. Rödl, *Algorithmic aspects of regularity* (*invited paper*), LATIN 2000: Theoretical Informatics (Punta del Este, 2000) (G. Gonnet, D. Panario, and A. Viola, eds.), Lecture Notes in Computer Science, Springer, Berlin, 2000, pp. 1–17.

45. C. G. Moreira and Y. Kohayakawa, *Tópicos em combinatória contemporânea*, Publicações Matemáticas do IMPA. [IMPA Mathematical Publications], Instituto de Matemática Pura e Aplicada (IMPA), Rio de Janeiro, 2001, 23º Colóquio Brasileiro de Matemática. [23rd Brazilian Mathematics Colloquium], MR **2002e:**05003. MR 1846391
46. N. Alon, M. Capalbo, Y. Kohayakawa, V. Rödl, A. Ruciński, and E. Szemerédi, *Near-optimum universal graphs for graphs with bounded degrees* (*extended abstract*), Approximation, Randomization and Combinatorial Optimization: Algorithms and Techniques (M. Goemans, K. Jansen, J. Rolim, and L. Trevisan, eds.), Lecture Notes in Computer Science, 2129, Springer-Verlag, 2001, CMP 1 910 361, pp. 170–180. MR 1 910 361
47. C. G. T. de A. Moreira and Y. Kohayakawa, *Bounds for optimal coverings*, Electronic Notes in Discrete Mathematics (J. Szwarcfiter and S. W. Song, eds.), vol. 7, Elsevier Science Publishers, 2001, 4pp.
48. Y. Kohayakawa, F. Miyazawa, P. Raghavan, and Y. Wakabayashi, *Multidimensional cube packing*, Electronic Notes in Discrete Mathematics (J. Szwarcfiter and S. W. Song, eds.), vol. 7, Elsevier Science Publishers, 2001, 4pp.
49. Y. Kohayakawa and B. Kreuter, *The width of random subsets of Boolean lattices*, J. Combin. Theory Ser. A **100** (2002), no. 2, 376–386. MR 2003i:06005
50. Y. Kohayakawa, V. Rödl, and J. Skokan, *Hypergraphs, quasi-randomness, and conditions for regularity*, J. Combin. Theory Ser. A **97** (2002), no. 2, 307–352. MR 2003b:05112
51. J. Donadelli and Y. Kohayakawa, *A density result for random sparse oriented graphs and its relation to a conjecture of Woodall*, Electron. J. Combin. **9** (2002), no. 1, Research Paper 45, 10pp (electronic). MR 1 946 147
52. Y. Kohayakawa, V. Rödl, and L. Thoma, *An optimal algorithm for checking regularity* (*extended abstract*), Proceedings of the 13th Annual ACM–SIAM Symposium on Discrete Algorithms (SODA 2002), 2002, pp. 277–286.
53. Y. Kohayakawa, B. Nagle, and V. Rödl, *Efficient testing of hypergraphs* (*extended abstract*), ICALP 2002, 29th International Colloquium on Automata, Languages, and Programming (Málaga, Spain, July 2002), Lecture Notes in Computer Science, Springer, Berlin, 2002, pp. 1017–1028.
54. R. Carmo, J. Donadelli, Y. Kohayakawa, and E. Laber, *Searching in random partially ordered sets* (*extended abstract*), LATIN 2002: Theoretical Informatics (Cancun, 2002), Lecture Notes in Computer Science, Springer, Berlin, 2002, pp. 278–292.
55. B. Bollobás, J. Donadelli, Y. Kohayakawa, and R. H. Schelp, *Ramsey minimal graphs*, J. Braz. Comput. Soc. **7** (2002), no. 3, 27–37.
56. Y. Kohayakawa and V. Rödl, *Regular pairs in sparse random graphs. I*, Random Structures Algorithms **22** (2003), no. 4, 359–434. MR 2004b:05187
57. Y. Kohayakawa, B. Nagle, and V. Rödl, *Hereditary properties of triple systems*, Combin. Probab. Comput. **12** (2003), no. 2, 155–189. MR 2004b:05144
58. Y. Kohayakawa and V. Rödl, *Szemerédi's regularity lemma and quasi-randomness*, Recent advances in algorithms and combinatorics, CMS Books Math./Ouvrages Math. SMC, vol. 11, Springer, New York, 2003, pp. 289–351. MR 2003j:05065
59. Y. Kohayakawa, V. Rödl, and L. Thoma, *An optimal algorithm for checking regularity*, SIAM J. Comput. **32** (2003), no. 5, 1210–1235. MR 2004f:05176
60. Y. Kohayakawa, C. Mauduit, C. G. Moreira, and V. Rödl, *Measures of pseudorandomness for finite sequences: minimum and typical values* (*extended abstract*), Proceedings of WORDS 2003, 4th International Conference on Combinatorics of Words (T. Harju and J. Karhumäki, eds.), TUCS General Publication, Turku Centre for Computer Science, 2003, pp. 159–169.
61. B. Bollobás, G. Brightwell, Y. Kohayakawa, I. Leader, and A. Scott (eds.), *Special issue on Ramsey theory*, Combin. Probab. Comput., vol. 12, no. 5-6, 2003.
62. E. Friedgut, Y. Kohayakawa, V. Rödl, A. Ruciński, and P. Tetali, *Ramsey games against a one-armed bandit*, Combin. Probab. Comput. **12** (2003), no. 5-6, 515–545, Special issue on Ramsey theory.

63. Y. Kohayakawa, V. Rödl, and M. Schacht, *The Turán theorem for random graphs*, Combin. Probab. Comput. **13** (2004), no. 1, 61–91. MR MR2034303 (2004k:05180)
64. Y. Kohayakawa, V. Rödl, and P. Sissokho, *Embedding graphs with bounded degree in sparse pseudorandom graphs*, Israel J. Math. **139** (2004), 93–137. MR MR2041225 (2004m:05243)
65. E. S. Laber, R. Carmo, and Y. Kohayakawa, *Querying priced information in databases: the conjunctive case* (*extended abstract*), LATIN 2004: Theoretical informatics (Buenos Aires, 2004) (Berlin) (M. Farach-Colton, ed.), Lecture Notes in Comput. Sci., vol. 2976, Springer, 2004, pp. 6–15. MR MR2094775
66. C. G. T. de A. Moreira and Y. Kohayakawa, *Bounds for optimal coverings*, Discrete Appl. Math. **141** (2004), no. 1-3, 263–276. MR 2065910
67. R. Carmo, J. Donadelli, Y. Kohayakawa, and E. Laber, *Searching in random partially ordered sets*, Theoret. Comput. Sci. **321** (2004), no. 1, 41–57. MR 2067400
68. Y. Kohayakawa, F. K. Miyazawa, P. Raghavan, and Y. Wakabayashi, *Multidimensional cube packing*, Algorithmica **40** (2004), no. 3, 173–187. MR 2080516
69. Y. Kohayakawa, *Advances in the regularity method* (*abstract of an invited talk*), LATIN 2004: Theoretical informatics (Buenos Aires, 2004) (M. Farach-Colton, ed.), Lecture Notes in Comput. Sci., vol. 2976, Springer, 2004, p. 2.
70. M. Ferrara, Y. Kohayakawa, and V. Rödl, *Distance graphs on the integers*, Combin. Probab. Comput. **14** (2005), no. 1-2, 107–131. MR MR2128085
71. J. Donadelli, P. E. Haxell, and Y. Kohayakawa, *A note on the size-Ramsey number of long subdivisions of graphs*, Theor. Inform. Appl. **39** (2005), no. 1, 191–206. MR MR2132587 (2005k:05160)
72. Y. Kohayakawa, M. Simonovits, and J. Skokan, *The 3-colored Ramsey number of odd cycles*, Electronic Notes in Discrete Mathematics (P. Feofiloff, C. M. de Figueiredo, and Y. Wakabayashi, eds.), vol. 19, Elsevier Science Publishers, 2005, pp. 397–402.
73. F. C. Botelho, Y. Kohayakawa, and N. Ziviani, *A practical minimal perfect hashing method*, WEA 2005: 4th International Workshop on Experimental and Efficient Algorithms (Santorini Island, Greece) (S. E. Nikoletseas, ed.), Lecture Notes in Comput. Sci., vol. 3503, Springer, 2005, pp. 488–500.
74. V. Rödl, B. Nagle, J. Skokan, M. Schacht, and Y. Kohayakawa, *The hypergraph regularity method and its applications*, Proc. Natl. Acad. Sci. USA **102** (2005), no. 23, 8109–8113. MR (2006g:05095)
75. Y. Kohayakawa, M. Simonovits, and J. Skokan, *The* 3*-colored Ramsey number of odd cycles*, manuscript, 2005.
76. N. Alon, Y. Kohayakawa, C. Mauduit, C. G. Moreira, and V. Rödl, *Measures of pseudorandomness for finite sequences: minimal values*, Combin. Probab. Comput. **15** (2006), no. 1-2, 1–29. MR MR2195573 (2006j:60007)
77. D. Dellamonica, Jr. and Y. Kohayakawa, *An algorithmic Friedman–Pippenger theorem on tree embeddings and applications to routing* (*extended abstract*), Proceedings of the 17th Annual ACM–SIAM Symposium on Discrete Algorithms (SODA 2006), 2006, pp. 1038–1044.
78. G. Navarro, L. Bertossi, and Y. Kohayakawa (eds.), *Fourth IFIP International Conference on Theoretical Computer Science, TCS 2006*, IFIP International Federation for Information Processing, vol. 209, IFIP, 2006, xii+316pp.
79. S. Gerke, Y. Kohayakawa, V. Rödl, and A. Steger, *Small subsets inherit sparse ε-regularity*, J. Combin. Theory Ser. B **97** (2007), no. 1, 34–56. MR MR2278123 (2007i:05091)
80. Y. Kohayakawa, V. Rödl, M. Schacht, P. Sissokho, and J. Skokan, *Turán's theorem for pseudo-random graphs*, J. Combin. Theory Ser. A **114** (2007), no. 4, 631–657. MR MR2319167
81. R. Carmo, T. Feder, Y. Kohayakawa, E. Laber, R. Motwani, L. O'Callaghan, R. Panigrahy, and D. Thomas, *Querying priced information in databases: the conjunctive case*, ACM Trans. Algorithms **3** (2007), no. 1, Art. 9, 22pp. MR MR2301835
82. B. Bollobás, Y. Kohayakawa, V. Rödl, M. Schacht, and A. Taraz, *Essentially infinite colourings of hypergraphs*, Proc. London Math. Soc. (3) **95** (2007), no. 3, 709–734.

83. N. Alon, Y. Kohayakawa, C. Mauduit, C. G. Moreira, and V. Rödl, *Measures of pseudorandomness for finite sequences: typical values*, Proc. London Math. Soc. (3) **95** (2007), no. 3, 778–812.
84. D. Dellamonica, Jr., Y. Kohayakawa, M. Marciniszyn, and A. Steger, *On the resilience of long cycles in random graphs*, Electron. J. Combin. **15** (2008), no. 1, Research Paper 32, 26pp (electronic).
85. D. Dellamonica, Jr. and Y. Kohayakawa, *An algorithmic Friedman-Pippenger theorem on tree embeddings and applications*, Electron. J. Combin. **15** (2008), no. 1, Research Paper 127, 14pp (electronic). MR MR2448877 (2009i:05059)
86. D. Dellamonica, Jr., Y. Kohayakawa, V. Rödl, and A. Ruciński, *Universality of random graphs*, Proceedings of the 19th Annual ACM–SIAM Symposium on Discrete Algorithms (SODA 2008), 2008, pp. 782–788.
87. C. Hoppen, Y. Kohayakawa, and H. Lefmann, *Kneser colorings of uniform hypergraphs*, Electronic Notes in Discrete Mathematics **34** (2009), 219–223, European Conference on Combinatorics, Graph Theory and Applications (EUROCOMB '09).
88. C. Hoppen, Y. Kohayakawa, and R. M. Sampaio, *A note on permutation regularity*, Electronic Notes in Discrete Mathematics **35** (2009), 183–188, 5th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2009).
89. J. Böttcher, Y. Kohayakawa, and A. Taraz, *Almost spanning subgraphs of random graphs after adversarial edge removal*, Electronic Notes in Discrete Mathematics **35** (2009), 335–340, 5th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2009).
90. J. Zich, Y. Kohayakawa, V. Rödl, and V. Sunderam, *JumpNet: improving connectivity and robustness in unstructured P2P networks by randomness*, Internet Math. **5** (2008), no. 3, 227–250 (2009). MR MR2573954
91. C. Hoppen, Y. Kohayakawa, C. G. Moreira, and R. M. Sampaio, *Property testing and parameter testing for permutations*, Proceedings of the 21st Annual ACM–SIAM Symposium on Discrete Algorithms (SODA 2010), 2010, pp. 66–75.
92. Y. Kohayakawa, B. Nagle, V. Rödl, and M. Schacht, *Weak regularity and linear hypergraphs*, J. Combin. Theory Ser. B **100** (2010), no. 2, 151–160.
93. Y. Kohayakawa, V. Rödl, M. Schacht, and J. Skokan, *On the triangle removal lemma for subgraphs of sparse pseudorandom graphs*, An Irregular Mind; Szemerédi is 70 (I. Bárány and J. Solymosi, eds.), Springer, 2010, pp. 359–404.
94. Y. Kohayakawa, S. Lee, and V. Rödl, *The maximum size of a Sidon set contained in a sparse random set of integers*, Proceedings of the Twenty-Second Annual ACM-SIAM Symposium on Discrete Algorithms (SODA 2011), 2011, pp. 159–171. MR 2857118 (2012j:05447)
95. Y. Kohayakawa, V. Rödl, M. Schacht, and E. Szemerédi, *Sparse partition universal graphs for graphs of bounded degree*, Adv. Math. **226** (2011), no. 6, 5041–5065. MR 2775894
96. C. Hoppen, Y. Kohayakawa, C. G. Moreira, and R. M. Sampaio, *Testing permutation properties through subpermutations*, Theoret. Comput. Sci. **412** (2011), no. 29, 3555–3567.
97. Y. Kohayakawa, G. O. Mota, and R. F. Parente, *A note on counting orientations*, Electronic Notes in Discrete Mathematics **37** (2011), no. C, 3–8, 6th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2011).
98. Y. Kohayakawa, P. B. Konstadinidis, and G. O. Mota, *On an anti-Ramsey property of random graphs*, Electronic Notes in Discrete Mathematics **37** (2011), no. C, 237–242, 6th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2011).
99. R. Corrêa, C. Hoppen, Y. Kohayakawa, and R. M. Sampaio, *A note on random k-dimensional posets*, Electronic Notes in Discrete Mathematics **37** (2011), no. C, 51–56, 6th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2011).
100. C. Hoppen, Y. Kohayakawa, and H. Lefmann, *Edge colorings of graphs avoiding some fixed monochromatic subgraph with linear Turán number*, Electronic Notes in

Discrete Mathematics **38** (2011), 469–474, European Conference on Combinatorics, Graph Theory and Applications (EUROCOMB '11).
101. A. J. O. Bastos, C. Hoppen, Y. Kohayakawa, and R. M. Sampaio, *Every hereditary permutation property is testable*, Electronic Notes in Discrete Mathematics **38** (2011), 123–128, European Conference on Combinatorics, Graph Theory and Applications (EUROCOMB '11).
102. D. Dellamonica, Jr., Y. Kohayakawa, V. Rödl, and A. Ruciński, *Universality of random graphs*, SIAM J. Discrete Math. **26** (2012), no. 1, 353–374. MR 2902650
103. C. Hoppen, Y. Kohayakawa, and H. Lefmann, *Hypergraphs with many Kneser colorings*, European J. Combin. **33** (2012), no. 5, 816–843.
104. ———, *Edge-colourings of graphs avoiding monochromatic matchings of a given size*, Combin. Probab. Comput. **21** (2012), no. 1–2, 203–218, special issue dedicated to R. H. Schelp.
105. D. Dellamonica, Jr., Y. Kohayakawa, V. Rödl, and A. Ruciński, *An improved upper bound on the density of universal random graphs*, LATIN 2012: Theoretical informatics (Arequipa, 2012) (D. Fernández-Baca, ed.), Lecture Notes in Computer Science, vol. 7256, Springer, 2012, pp. 231–242.
106. J. Böttcher, Y. Kohayakawa, and A. Procacci, *Properly coloured copies and rainbow copies of large graphs with small maximum degree*, Random Structures Algorithms **40** (2012), no. 4, 425–436.
107. C. Hoppen, Y. Kohayakawa, and R. M. Sampaio, *A note on permutation regularity*, Discrete Appl. Math. **160** (2012), no. 18, 2716–2727, 5th Latin American Algorithms, Graphs, and Optimization Symposium (Gramado, Brazil, 2009).
108. C. Hoppen, Y. Kohayakawa, C. G. Moreira, B. Ráth, and R. M. Sampaio, *Limits of permutation sequences*, J. Combin. Theory Ser. B **103** (2013), no. 1, 93–113. MR 2995721
109. P. Allen, J. Böttcher, S. Griffiths, Y. Kohayakawa, and R. Morris, *The chromatic thresholds of graphs*, Adv. Math. **235** (2013), 261–295.
110. C. Hoppen, Y. Kohayakawa, and H. Lefmann, *An unstable hypergraph problem with a unique optimal solution*, Information theory, combinatorics, and search theory. In memory of Rudolf Ahlswede (H. Aydinian, F. Cicalese, and C. Deppe, eds.), Lecture Notes in Computer Science, vol. 7777, Springer, 2013, pp. 432–450.
111. J. Böttcher, Y. Kohayakawa, and A. Taraz, *Almost spanning subgraphs of random graphs after adversarial edge removal*, Combin. Probab. Comput. **22** (2013), no. 5, 639–683.
112. P. Allen, J. Böttcher, H. Hàn, Y. Kohayakawa, and Y. Person, *An approximate blow-up lemma for sparse pseudorandom graphs*, Electronic Notes in Discrete Mathematics **44** (2013), 393–398, 7th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2013).
113. Y. Kohayakawa, M. Schacht, and R. Spöhel, *Upper bounds on probability thresholds for asymmetric Ramsey properties*, Random Structures Algorithms **44** (2014), no. 1, 1–28.
114. C. Hoppen, Y. Kohayakawa, and H. Lefmann, *Edge-colourings of graphs avoiding fixed monochromatic subgraphs with linear Turán number*, European J. Combin. **35** (2014), 354–373.
115. P. Allen, J. Böttcher, H. Hàn, Y. Kohayakawa, and Y. Person, *Powers of Hamilton cycles in pseudorandom graphs*, LATIN 2014: Theoretical informatics (Montevideo, 2014) (A. Pardo and A. Viola, eds.), Lecture Notes in Computer Science, vol. 8392, Springer, 2014, pp. 355–366.
116. Y. Kohayakawa, P. B. Konstadinidis, and G. O. Mota, *On an anti-Ramsey threshold for random graphs*, European J. Combin. **40** (2014), 26–41. MR 3191486
117. P. Allen, Y. Kohayakawa, G. O. Mota, and R. F. Parente, *On the number of orientations of graphs with no directed cycles of a given length*, Electron. J. Combin. **21** (2014), no. 1, Research Paper 1.52, 13pp (electronic).
118. Y. Kohayakawa, S. J. Lee, V. Rödl, and W. Samotij, *The number of Sidon sets and the maximum size of Sidon sets contained in a sparse random set of integers*, Random Structures Algorithms **46** (2015), no. 1, 1–25.

119. C. Hoppen, Y. Kohayakawa, and H. Lefmann, *Edge-colorings of uniform hypergraphs avoiding monochromatic matchings*, Discrete Math. **338** (2015), no. 2, 262–271.
120. D. Dellamonica, Jr., Y. Kohayakawa, V. Rödl, and A. Ruciński, *An improved upper bound on the density of universal random graphs*, Random Structures Algorithms **46** (2015), no. 2, 274–299.
121. P. Allen, J. Böttcher, Y. Kohayakawa, and Y. Person, *Tight Hamilton cycles in random hypergraphs*, Random Structures Algorithms **46** (2015), no. 3, 446–465. MR 3324755
122. J. Böttcher, Y. Kohayakawa, A. Taraz, and A. Würfl, *An extension of the blow-up lemma to arrangeable graphs*, SIAM J. Discrete Math. **29** (2015), no. 2, 962–1001.
123. P. Allen, J. Böttcher, B. Roberts, and Y. Kohayakawa, *Triangle-free subgraphs of random graphs*, Electronic Notes in Discrete Mathematics **49** (2015), 393–397, The 8th European Conference on Combinatorics, Graph Theory and Applications (EUROCOMB '15).
124. Y. Kohayakawa, G. O. Mota, M. Schacht, and A. Taraz, *A counting lemma for sparse pseudorandom hypergraphs*, Electronic Notes in Discrete Mathematics **50** (2015), 421–426, The 8th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2015).
125. P. Frankl, Y. Kohayakawa, and V. Rödl, *A note on supersaturated set systems*, European J. Combin. **51** (2016), 190–199.
126. D. Dellamonica, Jr., Y. Kohayakawa, S. J. Lee, V. Rödl, and W. Samotij, *On the number of B_h-sets*, Combin. Probab. Comput. **25** (2016), no. 1, 108–129. MR 3438288
127. ———, *The number of B_3-sets of a given cardinality*, J. Combin. Theory Ser. A **142** (2016), 44–76. MR 3499491
128. C. Hoppen, Y. Kohayakawa, R. Lang, H. Lefmann, and H. Stagni, *Estimating parameters associated with monotone properties*, APPROX/RANDOM 2016: Approximation, randomization, and combinatorial optimization. Algorithms and techniques, LIPIcs. Leibniz Int. Proc. Inform., vol. 60, Schloss Dagstuhl. Leibniz-Zent. Inform., Wadern, 2016, pp. Art. No. 35, 13. MR 3566777
129. Y. Kohayakawa, V. Rödl, and M. Schacht, *Discrepancy and eigenvalues of Cayley graphs*, Czechoslovak Math. J. **66 (141)** (2016), no. 3, 941–954.
130. J. Han and Y. Kohayakawa, *The maximum size of a non-trivial intersecting uniform family that is not a subfamily of the Hilton–Milner family*, Proc. Amer. Math. Soc. **145** (2017), no. 1, 73–87.
131. R. Glebov, C. Hoppen, T. Klimošová, Y. Kohayakawa, D. Král', and H. Liu, *Densities in large permutations and parameter testing*, European J. Combin. **60** (2017), 89–99.
132. M. Collares, Y. Kohayakawa, R. Morris, and G. O. Mota, *On the number of r-transitive orientations of $G(n,p)$*, Electronic Notes in Discrete Mathematics **61** (2017), 255–261, The European Conference on Combinatorics, Graph Theory and Applications (EUROCOMB '17).
133. C. Hoppen, Y. Kohayakawa, R. Lang, H. Lefmann, and H. Stagni, *Estimating the distance to a hereditary graph property*, Electronic Notes in Discrete Mathematics **61** (2017), 607–613, The European Conference on Combinatorics, Graph Theory and Applications (EUROCOMB '17).
134. Y. Kohayakawa, G. O. Mota, and M. Schacht, *Monochromatic trees in random graphs*, Electronic Notes in Discrete Mathematics **61** (2017), 759–764, The European Conference on Combinatorics, Graph Theory and Applications (EUROCOMB '17).
135. P. Allen, J. Böttcher, H. Hàn, Y. Kohayakawa, and Y. Person, *Powers of Hamilton cycles in pseudorandom graphs*, Combinatorica **37** (2017), no. 4, 573–616. MR 3694704
136. P. Allen, J. Böttcher, S. Griffiths, Y. Kohayakawa, and R. Morris, *Chromatic thresholds in dense random graphs*, Random Structures Algorithms **51** (2017), no. 2, 185–214. MR 3683361
137. ———, *Chromatic thresholds in sparse random graphs*, Random Structures Algorithms **51** (2017), no. 2, 215–236. MR 3683362

138. Y. Kohayakawa, G. O. Mota, M. Schacht, and A. Taraz, *Counting results for sparse pseudorandom hypergraphs I*, European J. Combin. **65** (2017), 276–287. MR 3679849
139. _____, *Counting results for sparse pseudorandom hypergraphs II*, European J. Combin. **65** (2017), 288–301. MR 3679850
140. Y. Kohayakawa, P. B. Konstadinidis, and G. O. Mota, *On an anti-Ramsey threshold for sparse graphs with one triangle*, J. Graph Theory **87** (2018), no. 2, 176–187.
141. J. Han and Y. Kohayakawa, *On hypergraphs without loose cycles*, Discrete Math. **341** (2018), no. 4, 946–949.
142. D. Dellamonica, Jr., Y. Kohayakawa, S. J. Lee, V. Rödl, and W. Samotij, *The number of B_h-sets of a given cardinality*, Proc. London Math. Soc. (3) **116** (2018), no. 3, 629–669.
143. Y. Kohayakawa, S. J. Lee, C. G. Moreira, and V. Rödl, *Infinite Sidon sets contained in sparse random sets of integers*, SIAM J. Discrete Math. **32** (2018), no. 1, 410–449.
144. P. Allen, J. Böttcher, Y. Kohayakawa, and B. Roberts, *Triangle-free subgraphs of random graphs*, Combin. Probab. Comput. **27** (2018), no. 2, 141–161.
145. Y. Kohayakawa, F. K. Miyazawa, and Y. Wakabayashi, *A tight lower bound for an online hypercube packing problem and bounds for prices of anarchy of a related game*, LATIN 2018: Theoretical informatics, Lecture Notes in Comput. Sci., vol. 10807, Springer, Cham, 2018, pp. 697–711. MR 3786994
146. J. Han, Y. Kohayakawa, M. T. Sales, and H. Stagni, *Property testing for point sets on the plane*, LATIN 2018: Theoretical informatics, Lecture Notes in Comput. Sci., vol. 10807, Springer, Cham, 2018, pp. 584–596. MR 3786986
147. J. Han, Y. Kohayakawa, and Y. Person, *Near-perfect clique-factors in sparse pseudorandom graphs*, Electronic Notes in Discrete Mathematics **68** (2018), 221–226, Discrete Mathematics Days, Sevilla 2018.
148. Y. Kohayakawa, G. O. Mota, and M. Schacht, *Monochromatic trees in random graphs*, Math. Proc. Cambridge Philos. Soc. **166** (2019), no. 1, 191–208.
149. J. Han, Y. Kohayakawa, M. T. Sales, and H. Stagni, *Extremal and probabilistic results for order types*, Proceedings of the Twenty-Second Annual ACM-SIAM Symposium on Discrete Algorithms (SODA 2019), 2019, pp. 426–435.
150. Y. Kohayakawa, T. Retter, and V. Rödl, *The size-Ramsey number of short subdivisions of bounded degree graphs*, Random Structures Algorithms **54** (2019), no. 2, 304–339.
151. D. Clemens, M. Jenssen, Y. Kohayakawa, N. Morrison, G. O. Mota, D. Reding, and B. Roberts, *The size-Ramsey number of powers of paths*, J. Graph Theory **91** (2019), no. 3, 290–299.
152. S. Berger, Y. Kohayakawa, G. S. Maesaka, T. Martins, W. Mendonça, G. O. Mota, and O. Parczyk, *The size-Ramsey number of powers of bounded degree trees*, Acta Math. Univ. Comenian. (N.S.) **88** (2019), no. 3, 451–456, Proc. of EUROCOMB '19.
153. J. Han, Y. Kohayakawa, M. T. Sales, and H. Stagni, *On some extremal results for order types*, Acta Math. Univ. Comenian. (N.S.) **88** (2019), no. 3, 779–785, Proc. of EUROCOMB '19.
154. Y. Kohayakawa, W. Mendonça, G. O. Mota, and B. Schülke, *Covering 3-coloured random graphs with monochromatic trees*, Acta Math. Univ. Comenian. (N.S.) **88** (2019), no. 3, 871–875, Proc. of EUROCOMB '19.
155. W. Bedenknecht, J. Han, Y. Kohayakawa, and G. O. Mota, *Powers of tight Hamilton cycles in randomly perturbed hypergraphs*, Random Structures Algorithms **55** (2019), 795–807.
156. J. Böttcher, J. Han, Y. Kohayakawa, R. Montgomery, O. Parczyk, and Y. Person, *Universality for bounded degree spanning trees in randomly perturbed graphs*, Random Structures Algorithms **55** (2019), no. 4, 854–864. MR 4025392
157. J. Han, Y. Kohayakawa, P. Morris, and Y. Person, *Clique-factors in sparse pseudorandom graphs*, European J. Combin. **82** (2019), 102999.
158. M. Collares, Y. Kohayakawa, R. Morris, and G. O. Mota, *Counting restricted orientations of random graphs*, Random Structures Algorithms **56** (2020), no. 4, 1016–1030.

159. C. Hoppen, Y. Kohayakawa, R. Lang, H. Lefmann, and H. Stagni, *Estimating parameters associated with monotone properties*, Combin. Probab. Comput. **29** (2020), no. 4, 616–632. MR 4132523
160. J. Han, M. Jenssen, Y. Kohayakawa, G. O. Mota, and B. Roberts, *The multicolour size-Ramsey number of powers of paths*, J. Combin. Theory Ser. B **145** (2020), 359–375.
161. M. Kiwi, Y. Kohayakawa, S. Rajsbaum, F. Rodríguez-Henríquez, J. L. Szwarcfiter, and A. Viola, *A perspective on theoretical computer science in Latin America*, Comm. ACM **63** (2020), no. 11, 102–107.
162. Y. Kohayakawa and F. K. Miyazawa (eds.), *LATIN 2020: Theoretical informatics*, Lecture Notes in Computer Science, vol. 12118, Springer, Cham, 2020, papers from the 14th Latin American Theoretical Informatics Symposium, São Paulo, Brazil, 5 to 8 January 2021. MR 4184947
163. J. Han, Y. Kohayakawa, P. Morris, and Y. Person, *Finding any given* 2*-factor in sparse pseudorandom graphs efficiently*, J. Graph Theory **96** (2021), no. 1, 87–108, Special issue dedicated to Ron Graham. MR 4191116
164. J. Han, Y. Kohayakawa, and Y. Person, *Near-perfect clique-factors in sparse pseudorandom graphs*, Combin. Probab. Comput. **30** (2021), no. 4, 570–590. MR 4272853
165. S. Berger, Y. Kohayakawa, G. S. Maesaka, T. Martins, W. Mendonça, G. O. Mota, and O. Parczyk, *The size-Ramsey number of powers of bounded degree trees*, J. London Math. Soc. (2) **103** (2021), no. 4, 1314–1332. MR 4273470
166. C. Hoppen, Y. Kohayakawa, R. Lang, H. Lefmann, and H. Stagni, *On the query complexity of estimating the distance to hereditary graph properties*, SIAM J. Discrete Math. **35** (2021), no. 2, 1238–1251. MR 4269966
167. Y. Kohayakawa, S. J. Lee, C. G. Moreira, and V. Rödl, *On strong Sidon sets of integers*, J. Combin. Theory Ser. A **183** (2021), Paper No. 105490, 29pp. MR 4279274
168. Y. Kohayakawa, W. Mendonça, G. O. Mota, and B. Schülke, *Covering* 3*-edge-coloured random graphs with monochromatic trees*, SIAM J. Discrete Math. **35** (2021), no. 2, 1447–1459. MR 4274837
169. J. Han, Y. Kohayakawa, S. Letzter, G. O. Mota, and O. Parczyk, *The size-Ramsey number of* 3*-uniform tight paths*, Adv. Comb. (2021), Paper No. 5, 12. MR 4277785
170. Y. Kohayakawa, F. K. Miyazawa, and Y. Wakabayashi, *A tight lower bound for the online bounded space hypercube bin packing problem*, Discrete Math. Theor. Comput. Sci. **23** (2021), no. 3, Paper No. 7, 13pp.
171. F. Botler, L. Colucci, and Y. Kohayakawa, *The* mod k *chromatic index of random graphs*, Extended Abstracts EUROCOMB 2021, Trends Math., vol. 14, Birkhäuser/Springer, Cham, 2021, pp. 726–731.
172. G. F. Barros, B. P. Cavalar, Y. Kohayakawa, G. O. Mota, and T. Naia, *Oriented graphs with lower orientation Ramsey thresholds*, Extended Abstracts EUROCOMB 2021, Trends Math., vol. 14, Birkhäuser/Springer, Cham, 2021, pp. 799–804.
173. G. F. Barros, B. P. Cavalar, Y. Kohayakawa, and T. Naia, *Orientation Ramsey thresholds for cycles and cliques*, SIAM J. Discrete Math. **35** (2021), no. 4, 2844–2857.
174. M. Collares, Y. Kohayakawa, C. G. Moreira, and G. O. Mota, *Constrained colourings of random graphs*, Procedia Comput. Sci. **195** (2021), 368–375, The 11th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2021).
175. M. Collares, Y. Kohayakawa, T. Martins, R. F. Parente, and V. Souza, *Hitting times for arc-disjoint arborescences in random digraph processes*, Procedia Comput. Sci. **195** (2021), 376–384, The 11th Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2021).
176. Y. Chang, J. Han, Y. Kohayakawa, P. Morris, and G. O. Mota, *Factors in randomly perturbed hypergraphs*, Random Structures Algorithms **60** (2022), no. 2, 153–165.
177. J. Barrera, L. R. Fontes, C. Gorodski, C. G. Ragazzo, and Y. Kohayakawa, *Opening note: The Golden Jubilee of the Institute of Mathematics and Statistics of the University of São Paulo*, São Paulo J. Math. Sci. **16** (2022), no. 1, 1–4.
178. F. Botler, L. Colucci, and Y. Kohayakawa, *The* mod k *chromatic index of graphs is* $O(k)$, J. Graph Theory **102** (2023), no. 1, 197–200.

179. Y. Kohayakawa, G. O. Mota, O. Parczyk, and J. Schnitzer, *The anti-Ramsey threshold of complete graphs*, Discrete Math. **346** (2023), no. 5, Paper no. 113343, 12pp.
180. F. Botler, L. Colucci, and Y. Kohayakawa, *The* mod k *chromatic index of random graphs*, J. Graph Theory **103** (2023), no. 4, 767–779.
181. M. Collares, Y. Kohayakawa, C. G. Moreira, and G. O. Mota, *The threshold for the constrained Ramsey property*. Available as arXiv:2207.05201.
182. J. D. Alvarado, Y. Kohayakawa, P. Morris, and G. O. Mota, *A canonical Ramsey theorem with list constraints in random graphs*, Procedia Computer Science **223** (2023), 13–19, XII Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2023).
183. J. D. Alvarado, Y. Kohayakawa, R. Lang, G. O. Mota, and H. Stagni, *Resilience for loose Hamilton cycles*, Procedia Computer Science **223** (2023), 193–200, XII Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2023).
184. Y. Kohayakawa and F. K. Miyazawa, *Guest editorial: Special issue on Theoretical Informatics*, Algorithmica **85** (2023), no. 8, 2482–2484.
185. G. F. Barros, B. P. Cavalar, Y. Kohayakawa, G. O. Mota, and T. Naia, *Directed graphs with lower orientation Ramsey thresholds*, RAIRO Oper. Res. **58** (2024), no. 4, 3607–3619.
186. J. D. Alvarado, Y. Kohayakawa, P. Morris, G. O. Mota, and M. Ortega, *A canonical van der Waerden theorem in random sets*, Proceedings of Discrete Mathematics Days, Alcalá de Henares, 2024, pp. 148–153.
187. P. Allen, J. Böttcher, H. Hàn, Y. Kohayakawa, and Y. Person, *Blow-up lemmas for sparse graphs*, Discrete Anal. (2025), Paper No. 8, 141pp. MR 4952350
188. J. D. Alvarado, Y. Kohayakawa, P. Morris, and G. O. Mota, *A canonical Ramsey theorem with list constraints in random (hyper-)graphs*, Electron. J. Combin. **33** (2026), no. 1, P1.41.
189. P. Allen, J. Böttcher, Y. Kohayakawa, and M. Neve, *Local resilience for containment of bounded degree spanning subgraphs*, LATIN 2026: Theoretical informatics, Lecture Notes in Comput. Sci., Springer, Cham, 2026, to appear.
190. J. D. Alvarado, Y. Kohayakawa, P. Morris, and G. O. Mota, *A canonical Ramsey theorem for even cycles in random graphs*, Combin. Probab. Comput., to appear.
191. P. Allen, J. Böttcher, Y. Kohayakawa, H. S. Naves, and Y. Person, *Making spanning subgraphs*, submitted, 2017. Available as arXiv:1711.05311.
192. J. D. Alvarado, Y. Kohayakawa, R. Lang, G. O. Mota, and H. Stagni, *Resilience for loose Hamilton cycles*, submitted. Available as arXiv:2309.14197.
193. P. Allen, J. Böttcher, Y. Kohayakawa, and M. Neve, *Robustness of the Sauer–Spencer theorem*, submitted. Available as arXiv:2507.03676.
194. J. D. Alvarado, Y. Kohayakawa, P. Morris, G. O. Mota, and M. Ortega, *A sparse canonical van der Waerden theorem*, submitted, 2025. Available as arXiv:2510.03084.
195. R. Javadi, Y. Kohayakawa, and M. Miralaei, *The multicolor induced size-Ramsey number of long subdivisions*, submitted, 2026. Available as arXiv:2602.05960.
196. ———, *The multicolor size-Ramsey number of bipartite long subdivisions*, submitted, 2026. Available as arXiv:2602.21453.
197. P. Allen, J. Böttcher, Y. Kohayakawa, and M. Neve, *Local resilience for containment of bounded degree spanning subgraphs*, in preparation, 2026.