

Publications of H. A. Kierstead

1. Countable models of ω_1 -categorical theories in admissible languages, *Ann. Math. Logic* **19** (1980) 127–175.
2. An effective version of Dilworth’s theorem, *Trans. Amer. Math. Soc.* **268** (1981) 63–77.
3. Recursive colorings of highly recursive graphs, *Canad. J. Math.* **33** (1981) 1279-1290.
4. An extremal problem in recursive combinatorics, *Congr. Numer.* **33** (1981) 143-153 (with William T. Trotter, Jr.).
5. Indiscernibles and decidable models, *J. Symbolic Logic* **48** (1983) 21-32 (with J. B. Remmel).
6. An effective version of Hall’s theorem, *Proc. Amer. Math. Soc.* **88** (1983) 124-128.
7. Some applications of Vizing’s theorem to vertex colorings of graphs, *Discrete Math.* **45** (1983) 277-285 (with James H. Schmerl).
8. On the chromatic index of multigraphs without large triangles, *Combin. Theory Ser. B* **36** (1984) 156-160.
9. A theory of recursive dimension for ordered sets, *Order* **1** (1984) 67-82 (with George F. McNulty and William T. Trotter, Jr.)
10. On coloring graphs with locally small chromatic number, *Combinatorica* **4** (1984) 183-185 (with E. Szemerédi and W. T. Trotter, Jr.).
11. A new method of proving theorems on chromatic index, *Discrete Math.* **52** (1984) 159-164 (with A. Ehrenfeucht and V. Faber).
12. Degrees of indiscernibles in decidable models, *Trans. Amer. Math. Soc.* **289** (1985) 41-57 (with J. B. Remmel).
13. Inequalities for the greedy dimensions of ordered sets, *Order* **2** (1985) 145-164 (with William T. Trotter, Jr.).
14. The chromatic number of graphs which induce neither $K_{1,3}$ nor $K_5 - e$, *Discrete Math.* **58** (1986) 253-262 (with James H. Schmerl).
15. Recursive ordered sets, in *Combinatorics and Ordered Sets* (Arcadia Calif. 1985), *Contemp. Math.* **57** Amer. Math. Soc. (1986) 75-102.
16. NP-completeness results concerning greedy and super greedy linear extensions, *Order* **3** (1986) 123-134.
17. A Ramsey theoretic problem for finite ordered sets, *Discrete Math.* **63** (1987) 217-223 (with W. T. Trotter).
18. On Π_1 -automorphisms of recursive linear orders, *J. Symbolic Logic* **52** (1987) 681-688.

19. Super-greedy linear extensions of ordered sets, in *Combinatorial Mathematics: Proceedings of the Third International Conference* (New York, 1985), *Ann. New York Acad. Sci.* **555** (1989) 262-271 (W. T. Trotter).
20. Hypergraphs with finitely many isomorphism subtypes, *Trans. Amer. Math. Soc* **312** (1989) 699-718 (with Peter J. Nyikos).
21. A minimax theorem for chain complete ordered sets, *Order* **5** (1988) 75-83.
22. Representing an ordered set as the intersection of super greedy linear extensions, *Order* **4** (1987) 293-311 (with W. T. Trotter and B. Zhou).
23. Explicit matchings in the middle levels of the Boolean lattice, *Order* **5** (1988) 163-171 (with W. T. Trotter).
24. Applications of edge coloring of multigraphs to vertex coloring of graphs, *Discrete Math.* **74** (1989) 117-124.
25. The linearity of first-fit coloring of interval graphs, *SIAM J. Discrete Math.* **1** (1988) 526-530.
26. A proof of Borsuk's theorem, in *Functional Analysis, Lecture Notes in Math.* **1332** Springer (1988) 195-202 (with R. A. Devore and G.G. Lorentz).
27. Racing pawn games, *Congr. Numer.* **67** (1988) 257-264 (with P. H. Nyikos).
28. A note on removable pairs, in *Graph Theory, Combinatorics, and Applications. Vol. 2* (Kalamazoo, MI, 1988), *Wiley-Intersci. Publ.* (1991) 739-742 (W. T. Trotter).
29. A polynomial time approximation algorithm for dynamic storage allocation, *Discrete Math.* **88** (1991) 231-237.
30. Computing the dimension of N -free ordered sets is NP-complete, *Order* **6** (1989) 133-135 (with S. G. Penrice).
31. The number of depth-first searches of an ordered set, *Order* **6** (1989) 295-303 (with W. T. Trotter).
32. Fibres and ordered set coloring, *J. Combin. Theory Ser. A* **58** (1991) 158-164 (Dwight Duffus and W. T. Trotter).
33. Recent results on a conjecture of Gyárfás, *Congr. Numer.* **79** (1990) 182-186 (with S. G. Penrice).
34. The dimension of random ordered sets, *Random Structures Algorithms* **2** (1991) 253-275 (with P. Erdős and W. T. Trotter).
35. Radius two trees specify χ -bounded classes, *J. Graph Theory* **18** (1994) 119-129 (with S. G. Penrice).
36. Colorful induced subgraphs, *Discrete Math.* **101** (1992) 165-169 (with W. T. Trotter).

37. On the game chromatic number of some classes of graphs, *Ars Combin.* **35** (1993) 143-150 (with U. Faigle, U. Kern and W. T. Trotter).
38. Long stars specify χ -bounded classes, in *Sets, Graphs and Numbers* (Budapest, 1991), *Colloq. Math. Soc. János Bolyai* **60** (1992) North-Holland 421-428.
39. On-line graph coloring, in *On-line algorithms* (New Brunswick, NJ, 1991), *DIMACS Ser. Discrete Math. Theoret. Comput. Sci.* **7** (1992) Amer. Math. Soc 85-92 (with W. T. Trotter).
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42. On-line coloring and recursive graph theory, *SIAM J. Discrete Math.* **7** (1994) 72-89 (with S. G. Penrice and W. T. Trotter).
43. Coloring interval graphs with First-Fit, *Discrete Math.* **144** (1995) 47-57 (with Jun Qin).
44. Recursive and on-line graph coloring, in *Handbook of recursive mathematics*, Vol. 2, *Stud. Logic Found. Math.* **139** (1998) North-Holland 1233-1269.
45. Planar graph coloring with an uncooperative partner, *J. Graph Theory* **18** (1994) 569-584 (with W. T. Trotter).
46. Applications of hypergraph coloring to coloring graphs not inducing certain trees, *Discrete Math.* **150** (1996) 187-193 (with V. Rodl).
47. The dimension of cycle-free orders, *Order* **9** (1992) 103-110 (with Jun Qin and W. T. Trotter).
48. The square of paths and cycles, *J. Combin. Theory Ser. B* **63** (1995) 55-64 (with Genghua Fan).
49. The dimension of suborders of the Boolean lattice, *Order* **11** (1994) 127-134 (with G. R. Brightwell, A. V. Kostochka and W. T. Trotter).
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51. Hamiltonian square-paths, *J. Combin. Theory Ser. B* **67** (1996) 167-182 (with Genghua Fan).
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53. On-line coloring of perfect graphs, *Combinatorica* **16** (1996) 479-491 (with K. Kolossa).
54. Square Hamiltonian cycles in graphs with maximal 4-cliques, *Discrete Math.* **178** (1998) 81-92 (with Juan Quintana).
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62. Hamiltonian chains in hypergraphs, *J. Graph Theory* **30** (1999) 205-212 (with Gyula Y. Katona).
63. The dimension of two levels of the Boolean lattice, *Discrete Math.* **201** (1999) 141-155.
64. On the choosability of complete multipartite graphs with part size three, *Discrete Math.* **211** (2000) 255-259.
65. On k -ordered Hamiltonian graphs, *J. Graph Theory* **32** (1999) 17-25 (with G. N. Sárközy and S. M. Selkow).
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68. A note on graph pebbling, *Graphs Combin.* **18** (2002) 219-225 (with Andrzej Czygrinow, Glenn Hurlbert and William T. Trotter).
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71. Competitive colorings of oriented graphs, *Electron. J. Combin.* **8** (2001) Research Paper 12, 15 pp. (electronic) (with W. T. Trotter).
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73. A simple competitive graph coloring algorithm. II, *J. Combin. Theory Ser. B* **90** (2004) 93-106 (with Charles Dunn).
74. The relaxed game chromatic number of outerplanar graphs, *J. Graph Theory* **46** (2004) 68-78 (with Charles Dunn).
75. A simple competitive graph coloring algorithm. III, *J. Combin. Theory Ser. B* **92** (2004) 137-150 (with Charles Dunn).

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98. Equitable versus nearly equitable coloring and the Chen-Lih-Wu Conjecture, *Combinatorica*, **30** (2010) 201–216 (with A. Kostochka).
99. 2-Factors of bipartite graphs with asymmetric minimum degrees, *SIAM J. on Discrete Math.*, **24** (2010) 486–504 (with L. DeBiasio and A. Czygrinow).
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101. First-Fit coloring of bounded tolerance graphs, *Applied Discrete Math.*, (2011) 605–611, doi:10.1016/j.dam.2010.05.002 (with K. Saoub).
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116. On the Corrádi-Hajnal Theorem and a question of Dirac, submitted (with A. V. Kostochka and E. C. Yeager).
117. On the choice number of complete multipartite graphs with part size four, submitted (with A. Salmon and Ran Wang).
118. Sharpening an Ore-type version of the Corrádi-Hajnal Theorem, submitted (with A.V. Kostochka, T. Molla, and E.C. Yeager).
119. Improved lower bounds on the number of edges in list critical and online list critical graphs, submitted (with L. Rabern).
120. Extracting list colorings from large independent sets, submitted (with L. Rabern).