

## Publications of H. A. Kierstead

1. Countable models of  $\omega_1$ -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  $\Pi_1$ -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  $\chi$ -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  $\chi$ -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).
40. An explicit 1-factorization in the middle of the Boolean lattice, *J. Combin. Theory Ser. A* **65** (1994) 334-342 (with D. A. Duffus and H. S. Snevily).
41. On-line and first-fit coloring of graphs that do not induce  $P_5$  *SIAM J. Discrete Math.* **8** (1995) 485-498 (with Stephen G. Penrice and William T. Trotter).
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).
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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).
50. Classes of graphs that are not vertex Ramsey, *SIAM J. Discrete Math.* **10** (1997) 373-380.
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60. Coloring graphs on-line, in *Online algorithms* (Schloss Dagstuhl, 1996) *Lecture Notes in Comput. Sci.* **1442** (1998) Springer 281-305.
61. Interval orders and dimension, *Discrete Math.* **213** (2000) 179-188 (with W. T. Trotter).
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.
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66. A simple competitive graph coloring algorithm, *J. Combin. Theory Ser. B* **78** (2000) 57-68.
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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).
69. Spanning trees of bounded degree, *Electron. J. Combin.* **8** (2001) Research Paper 33, 12 pp. (electronic) (with Andrzej Czygrinow, Gengua Fan, Glenn Hurlbert and William 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).

76. Asymmetric graph coloring games, *J. Graph Theory* **48** (2005) 169-185.
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80. On-line Ramsey theory, *Electron. J. Combin.* **11** (2004) Research Paper 60, 10 pp. (electronic) (with J. A. Grytczuk and M. Hałuszczak).
81. Very asymmetric marking games, *Order* **22** (2005), 93-107 (with Daqing Yang).
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88. Asymmetric marking games on line graphs, *Discrete Math.*, **308** (2008) 1751–1755 (with Yang Daqing).
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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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120. Extracting list colorings from large independent sets, *J. Graph Theory* **86**, (2017) 315–328, DOI 10.1002/jgt.22128 (with L. Rabern).
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