

### The Publication List of Fan Chung

1. On the Ramsey numbers  $N(3,3,\dots,3;2)$ , *Discrete Math.* 5 (1973), 317-321
2. On triangular and cyclic Ramsey numbers with  $k$  colors, *Graphs and Combinatorics*, Lecture Notes, No. 406, (1974), 236-242, Springer-Verlag, New York
3. A problem on blocking probabilities in connecting networks, *Networks* 7 (1977), 185-192 (with F. K. Hwang)
4. Optimal rearrangeable graphs, *Bell System Tech. J.* 54 (1975), 1647-1661
5. On multicolor Ramsey numbers for complete bipartite graphs, *J. Comb. Th.* (B) 18 (1975), 164-69 (with R. L. Graham)
6. On graphs which contain all small trees, *J. Comb. Th.* (B) 24 (1978), 14-23 (with R. L. Graham)
7. Steiner trees for the regular simplex, *Bull. of the Inst. of Math., Academia Sinica*, 4 (1976), 313-325 (with E. N. Gilbert)
8. On graphs which contain all small trees II, *Colloquia Mathematica Societatis János Bolyai*, Keszthely, Hungary, (1976), 213-223 (with R. L. Graham and N. Pippenger)
9. On the set of distances determined by the union of arithmetic progressions, *Ars Combinatoria*, 1 (1976), 57-76 (with R. L. Graham)
10. Some results on hook lengths, *Discrete Math.* 20 (1977), 33-40 (with J. E. Herman)
11. A lower bound for the Steiner tree problem, *SIAM J. on Applied Math.* (B), 34 (1978), 27-36 (with F. K. Hwang)
12. The largest minimal rectilinear Steiner trees for a set of  $N$  points enclosed in a rectangle with given perimeter, *Network* 9 (1979), 19-36 (with F. K. Hwang)
13. Do stronger players win more knockout tournaments?, *JASA* 73 (1978), 593-596. (with F. K. Hwang)
14. Steiner trees for ladders, *Annals of Discrete Math.* 2 (1978), 173-200. (with R. L. Graham)
15. An algebraic approach to switching networks, Bell Laboratories Internal Memorandum 1978
16. On partitions of graphs into trees, *Discrete Math.* 23 (1978), 23-30
17. On blocking probabilities for switching networks, *Bell System Tech. J.* 56 (1977), 1431-1446. (with F. K. Hwang)
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19. A generalization of Takagi's Theorem on optimal channel graphs, *Bell System Tech. J.* 57 (1978), 171-178 (with F. K. Hwang)
20. On blocking probabilities for a class of linear graphs, *Bell System Tech. J.* 57 (1978), 2915-2925 (with F. K. Hwang)

21. Optimal multistage networks, *IEEE Trans. on Communications* COM-26 (1978), 1282-1287
22. Rotatable graceful graphs, *Ars Combinatoria* 11 (1981), 239-250 (with F. K. Hwang)
23. On the decompositions of graphs, *SIAM J. Alg. Disc. Methods* 2 (1981), 1-12
24. The number of Baxter permutations, *J. Comb. Th. (A)*, 24 (1978), 382-394 (with R. L. Graham, V. E. Hoggatt and M. Kleiman)
25. On Steiner trees for bounded point sets, *Geometriae Dedicata* 11 (1981), 353-361 (with R. L. Graham)
26. Zone-balanced networks and block designs, *Bell System Tech. J.* 57 (1978), 2957-2971
27. On complete bipartite subgraphs contained in spanning tree complements, *Studies in Pure Mathematics*, (ed.-in-chief P. Erdős) Akadémiai Kiadó, Budapest (1983), 83-90 (with B. Bollobás and R. L. Graham)
28. On the covering of graphs, *Discrete Math.* 30 (1980), 89-93
29. On the decomposition of graphs into complete bipartite subgraphs, *Studies in Pure Mathematics*, Akadémiai Kiadó, Budapest, (1983) 95-101 (with P. Erdős and J. Spencer)
30. On the product of the point and line covering number of a graph, *Annals of the New York Academy of Sciences*, No. 319 (1979), 597-602 (with P. Erdős and R. L. Graham)
31. On concentrators, superconcentrators, generalizers and nonblocking networks, *Bell System Tech. J.* 58 (1979), 1765-1778
32. A note on constructive methods for Ramsey numbers, *J. Graph Theory* 5 (1981)109-113
33. Maximum antichains of rectangular arrays, *J. Comb. Theory* 27 (1979), 397-400 (with R. L. Graham, P. Erdős, D. J. Kleitman, D. West and G. Purdy (G. W. PECK))
34. On universal graphs, *Annals of the New York Academy of Sciences*, No. 319 (1979), 136-140 (with R. L. Graham)
35. On universal graphs for spanning trees, *Journal of London Math. Soc.* 27 (1983), 203-211 (with R. L. Graham)
36. On switching networks and block designs, II, *Bell System Tech. J.* 59 (1980), 1165-1173
37. Optimal spreading in n-dimensional rectilinear grids, *Stud. Appl. Math.* 62 (1980), 67-74 (with D. J. Kleitman (PECK))
38. Minimal decomposition of graphs into mutually isomorphic subgraphs, *Combinatorica* 1 (1981), 13-24 (with P. Erdős and R. L. Graham)
39. On unimodal subsequences, *J. Comb. Th. (A)*, 29 (1980), 267-279
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43. On graphs which contain all sparse graphs, *Annals of Discrete Math.* 12 (1982), 21-26 (with L. Babai, P. Erdős, R. L. Graham and J. Spencer)
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45. On optimal linear arrangements of trees, *Computers and Mathematics with Applications* 10 (1984), 43-60
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47. Some problems and results on labelings of graphs, *The Theory and Application of Graphs* (ed. G. Chartrand), John Wiley and Sons, (1981) 255-264
48. On the permanents of complements of the direct sum of identity matrices, *Adv. in Applied Math.* 2 (1981), 121-137 (with P. Diaconis, R. L. Graham and C. L. Mallows)
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50. Minimal decompositions of hypergraphs into mutually isomorphic subhypergraphs, *J. Comb. Th.* (A) 32 (1982), 241-251 (with P. Erdős and R. L. Graham)
51. Minimal decompositions of two graphs into pairwise isomorphic subgraphs, *Proceedings of the 10th Southeastern Conf. on Comb., Graph Theory and Computing* (1979), 3-18 (with P. Erdős, R. L. Graham, S. M. Ulam and F. F. Yao)
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64. Diameter bounds for altered graphs, *J. Graph Theory* 8 (1984), 511-534 (with M. R. Garey)
65. A new bound for Euclidean Steiner minimal trees, *Annals of the New York Academy of Sciences*, No. 440 (1985), 328-346 (with R. L. Graham)
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71. On the minimum dominating pair number of a class of graphs, *Caribbean J. of Math.* 1 (1982), 73-76 (with E. J. Cockayne, R. L. Graham and D. J. Miller)
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76. Some intersection theorems for ordered sets and graphs, *J. of Comb. Th. (A)* 43 (1986), 23-37 (with R. L. Graham, P. Frankl, and J. Shearer)
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