

# References

- Abbott H.L., Lower bounds for some Ramsey numbers. *Discrete Math.* **2** (1972), 289–293. PPS
- Abbott H.L. and B. Zhou, On small faces in 4-critical planar graphs. *Ars Combin.* **32** (1991), 203–207. PPS
- Abeledo H. and G. Isaak, A characterization of graphs that ensure the existence of a stable matching. *Math. Soc. Sci.* **22** (1991), 93–96. PPS
- Aberth O., On the sum of graphs. *Rev. Fr. Rech. Opér.* **33** (1964), 353–358. PPS
- Abramowitz M. and I. Stegun, *Handbook of Mathematical Functions: with Formulas, Graphs, and Mathematical Tables*, 10th printing, Dover Books on Mathematics (Dover, 1972). First printing 1964. PPS
- Abraham J. and A. Kotzig, Construction of planar Eulerian multigraphs. In *Proc. 10th Southeastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton), Congr. Numer.* **23/24** (1979), 123–130. PPS
- Acharya B.D. and M. Las Vergnas, Hypergraphs with cyclomatic number zero, triangulated graphs, . and an inequality. *J. Combin. Th. B* **33** (1982), 52–56. PPS
- Addario-Berry L., K. Dalal, C.J.H. McDiarmid, B.A. Reed, and A.G. Thomason, Vertex-colouring edge-weightings. *Combinatorica* **27** (2007), 1–12. PPS
- Adrian C., Problem E3459. *Amer. Math. Monthly* **98** (1991), 754. Solution **100** (1993), 593–594. PPS
- Ahlswede R. and D.E. Daykin, An inequality for the weights of two families of sets, their unions and intersections. *Z. Wahrsch. Verw. Gebiete* **43** (1978), 183–185. PPS
- Ahlswede R. and L.H. Khachatrian, The complete intersection theorem for systems of finite sets. *European J. Combin.* **18** (1997), 125–136. PPS
- Ahlswede R. and L.H. Khachatrian, Katona’s intersection theorem: four proofs. *Combinatorica* **25** (2005), 105–110. PPS
- Ahuja R.K., T.L. Magnanti, and J.B. Orlin, *Network Flows* (Prentice Hall, 1993). PPS
- Aigner M., Lexicographic matching in Boolean algebras. *J. Combin. Th. B* **14** (1973), 187–194. PPS
- Aigner M., *Combinatorial Theory* (Springer-Verlag, 1979). PPS
- Aigner M., *Graphentheorie, Eine Entwicklung aus dem 4-Farben problem* (B.G. Teubner Verlagsgesellschaft, 1984). (English transl. BCS Assoc., 1987). PPS
- Aigner M., Turán’s graph theorem. *Amer. Math. Monthly* **102** (1995), 808–816. PPS
- Aigner M., Lattice paths and determinants. In *Computational discrete mathematics, Lect. Notes Comp. Sci.* **2122** (Springer, 2001), 1–12. PPS
- Aigner M. and G.M. Ziegler, *Proofs from The Book* (Springer-Verlag, 1999). Also 2001, 2004, 2009, 2014. PPS
- Ajtai M., V. Chvátal, M.M. Newborn, and E. Szemerédi, Crossing-free subgraphs. In *Theory and Practice of Combinatorics, Ann. Discrete Math.* **12** (North-Holland, 1982), 9–12. PPS
- Ajtai M., J. Komlós, and E. Szemerédi, A note on Ramsey numbers. *J. Combin. Th. A* **29** (1980), 354–360. PPS
- Ajtai M., J. Komlós, and E. Szemerédi, Sorting in  $c \log n$  parallel steps. *Combinatorica* **3** (1983), 1–19. PPS
- Akbari S., M. Ghanbari, and S. Jahanbekam, On the dynamic coloring of strongly regular graphs. *Ars Combinatoria* **113** (2014), 205–210. PPS
- Akin E. and M. Davis, Bulgarian solitaire. *Amer. Math. Monthly* **92** (1985), 237–250. PPS
- Akiyama J. and N. Alon, Disjoint simplices and geometric hypergraphs. In *Combinatorial Mathematics: Proceedings of the Third International Conference (New York, 1985), Ann. New York Acad. Sci.* **555** (New York Acad. Sci., 1989), 1–3. PPS
- Akiyama J., H. Era, S.V. Gervacio, and M. Watanabe, Path chromatic numbers of graphs. *J. Graph Theory* **13** (1989), 569–575. PPS
- Akiyama J., G. Exoo, and F. Harary, Covering and packing in graphs. IV. Linear arboricity. *Networks* **11** (1981), 69–72. PPS
- Akiyama J., G. Exoo, and F. Harary, Covering and packing in graphs. IV. Linear arboricity. *Networks* **11** (1981), 69–72. PPS
- Akiyama J. and M. Kano, Factors and factorizations of graphs—a survey. *J. Graph Th.* **9** (1985), 1–42. PPS
- Akiyama J. and M. Watanabe, Maximum induced forests of planar graphs. *Graphs Combin.* **3** (1987), 201–202. PPS

- Aksionov V.A. and L.S. Mel'nikov, Essay on the theme: the three-color problem. In *Combinatorics (Proc. Fifth Hungarian Colloq., Keszthely, 1976), Vol. I, Colloq. Math. Soc. János Bolyai 18* (North-Holland, 1978), 23–34. PPS
- Albert M.H., M. Elder, A. Rechnitzer, P. Westcott, and M. Zabrocki, On the Stanley-Wilf limit of 4231-avoiding permutations and a conjecture of Arratia. *Adv. in Appl. Math.* **36** (2006), 96–105. PPS
- Albertson M.O., A lower bound for the independence number of a planar graph. *J. Combin. Th. B* **20** (1976), 84–93. PPS
- Albertson M.O., You can't paint yourself into a corner. *J. Combin. Th. B* **73** (1998), 189–194. PPS
- Albertson M.O. and D.M. Berman, A conjecture on planar graphs. In *Graph Theory and Related Topics* (J.A. Bondy and U.S.R. Murty, eds.) (Acad. Press, 1979), 357. PPS
- Alexanderson G.L. and J.E. Wetzel, Dissections of a plane oval. *Amer. Math. Monthly* **84** (1977), 442–449. PPS
- Alkan E., Problem 10473. *Amer. Math. Monthly* **102** (1995), 745–746. Solution **104** (1997), 371. PPS
- Alon N., Covering graphs by the minimum number of equivalence relations. *Combinatorica* **6** (1986), 201–206. PPS
- Alon N., Eigenvalues and expanders. *Combinatorica* **6** (1986), 83–96. PPS
- Alon N., Eigenvalues, geometric expanders, sorting in rounds and Ramsey Theory. *Combinatorica* **6** (1986), 207–219. PPS
- Alon N., Splitting necklaces. *Advances in Math.* **63** (1987), 246–253. PPS
- Alon N., The linear arboricity of graphs. *Israel J. Math.* **62** (1988), 311–325. PPS
- Alon N., Transversal numbers of uniform hypergraphs. *Graphs Combin.* **6** (1990), 1–4. PPS
- Alon N., Choice numbers of graphs: a probabilistic approach. *Combin. Probab. Comput.* **1** (1992), 107–114. PPS
- Alon N., Restricted colorings of graphs. In *Surveys in Combinatorics, London Math. Soc. Lect. Notes 187* (Cambridge Univ. Press, 1993), 1–33. PPS
- Alon N., Disjoint directed cycles. *J. Combin. Th. B* **68** (1996), 167–178. PPS
- Alon N., Combinatorial Nullstellensatz. *Combin. Probab. Comput.* **8** (1999), 7–29. PPS
- Alon N., Additive Latin transversals. *Israel J. Math.* **117** (2000), 125–130. PPS
- Alon N., Degrees and choice numbers. *Random Structures & Algorithms* **16** (2000), 364–358. PPS
- Alon N., Bipartite decomposition of random graphs. *J. Combin. Th. B* **113** (2015), 220–235. PPS
- Alon N., L. Babai, and H. Suzuki, Multilinear polynomials and Frankl–Ray–Chaudhuri–Wilson type intersection theorems. *J. Combin. Th. A* **58** (1991), 165–180. PPS
- Alon N., T. Bohman, R. Holzman, and D.J. Kleitman, On partitions of discrete boxes. *Discrete Math.* **257** (2002), 255–258. PPS
- Alon N., T. Bohman, and H. Huang, More on the bipartite decomposition of random graphs. *J. Graph Th.* **84** (2017), 45–52. PPS
- Alon N. and R.B. Boppana, The monotone circuit complexity of Boolean functions. *Combinatorica* **7** (1987), 1–22. PPS
- Alon N., S. Friedland, and G. Kalai, Regular subgraphs of almost regular graphs. *J. Combin. Theory B* **37** (1984), 79–91. PPS
- Alon N. and Z. Füredi, Covering the cube by affine hyperplanes. *European J. Combin.* **14** (1993), 79–83. PPS
- Alon N., A.V. Kostochka, B. Reiniger, D.B. West, and X. Zhu, Coloring, sparseness, and girth. *Israel J. Math.* (to appear). PPS
- Alon N., C.J.H. McDiarmid, and M. Molloy, Edge-disjoint cycles in regular directed graphs. *J. Graph Theory* **22** (1996), 231–237. PPS
- Alon N. and V.D. Milman, Concentration of measure phenomena in the discrete case and the Laplace operator of a graph. In *Seminar on functional analysis, 1983/1984, Publ. Math. Univ. Paris VII* **20** (Univ. Paris VII, 1984), 55–68. PPS
- Alon N. and V.D. Milman, Eigenvalues, expanders and superconcentrators. In *Proc. 25th IEEE Symp. Found. Comp. Sci.* (IEEE, 1984), 320–322. PPS
- Alon N., M.B. Nathanson, and I. Ruzsa, Adding distinct congruence classes modulo a prime. *Amer. Math. Monthly* **102** (1995), 250–255. PPS
- Alon N., M.B. Nathanson, and I. Ruzsa, The polynomial method and restricted sums of congruence classes. *J. Number Theory* **56** (1996), 404–417. PPS
- Alon N. and P. Pudlák, Constructive lower bounds for off-diagonal Ramsey numbers. *Israel J. Math.* **122** (2001), 243–251. PPS
- Alon N., L. Rónyai, and T. Szabó, Norm-graphs: variations and applications. *J. Combin. Th. B* **76** (1999), 280–290. PPS
- Alon N. and E.R. Scheinerman, Degrees of freedom versus dimension for containment orders. *Order* **5** (1988), 11–16. PPS
- Alon N., P.D. Seymour, and R. Thomas, Planar separators. *SIAM J. Discrete Math.* **7** (1994), 184–193. PPS
- Alon N., A. Shpilka, and C. Umans, On sunflowers and matrix multiplication. *Comput. Complexity* **22** (2013), 219–243. PPS
- Alon N. and J. Spencer, *The Probabilistic Method* (Wiley, 1992). Also 2000, 2008. PPS
- Alon N. and J. Spencer, *The probabilistic method, 2nd ed.*, Wiley-Interscience Series in Discrete Mathematics and Optimization (Wiley, 2000). Also 1992, 2008. PPS
- Alon N. and M. Tarsi, A nowhere-zero point in linear mappings. *Combinatorica* **9** (1989), 393–395. PPS

- Alon N. and M. Tarsi, Colorings and orientations of graphs. *Combinatorica* **12** (1992), 125–134. PPS
- Alon N. and D.B. West, The Borsuk-Ulam theorem and bisection of necklaces. *Proc. Amer. Math. Soc.* **98** (1986), 623–628. PPS
- Alon N. and N. Wormald, High degree graphs contain large-star factors. In *Fete of combinatorics and computer science, Bolyai Soc. Math. Stud.* **20** (János Bolyai Math. Soc., 2010), 9–21. PPS
- Alspach B., Research problem 3. *Discr. Math.* **36** (1981), 333. PPS
- Alspach B. and H. Gavlas, Cycle decompositions of  $K_n$  and  $K_n - I$ . *J. Combin. Th. B* **81** (2001), 77–99. PPS
- Alspach B. and R. Häggkvist, Some observations on the Oberwolfach problem. *J. Graph Th.* **9** (1985), 177–187. PPS
- Alspach B., P.J. Schellenberg, D.R. Stinson, and D. Wagner, The Oberwolfach problem and factors of uniform odd length cycles. *J. Combin. Th. A* **52** (1989), 20–43. PPS
- Altınışık E., B.E. Sagan, and N. Tuğlu, GCD matrices, posets, and nonintersecting paths. *Linear Multilinear Algebra* **53** (2005), 75–84. PPS
- Amahashi A. and M. Kano, On factors with given components. *Discrete Math.* **42** (1982), 1–6. PPS
- Andersen L.D., On edge-colourings of graphs. *Math. Scand.* **40** (1977), 161–175. PPS
- Anderson I., Perfect matchings of a graph. *J. Combin. Th. B* **10** (1971), 183–186. PPS
- Anderson I., Sufficient conditions for matchings. *Proc. Edinburgh Math. Soc. (2)* **18** (1973), 129–136. PPS
- Anderson I., Intersection theorems and a lemma of Kleitman. *Discrete Math.* **16** (1976), 181–185. PPS
- Anderson I., Counting common representatives and symmetric chain decompositions. *Proc. Roy. Soc. Edinburgh Sect. A* **100** (1985), 151–155. PPS
- Anderson I., *Combinatorial designs and tournaments, Oxford Lecture Series in Mathematics and its Applications* **6** (Oxford Univ. Press, 1997). PPS
- Anderson M., R.B. Richter, and P. Rodney, The crossing number of  $C_6 \times C_6$ . In *Proc. 27th Southeastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton), Congr. Numer.* **118** (1996), 97–107. PPS
- Anderson M., R.B. Richter, and P. Rodney, The crossing number of  $C_7 \times C_7$ . In *Proc. 28th Southeastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton), Congr. Numer.* **125** (1997), 97–117. PPS
- Ando K., A. Kaneko, and S.V. Gervacio, The bandwidth of a tree with  $k$  leaves is at most  $\lfloor k/2 \rfloor$ . *Discrete Math.* **150** (1996), 403–406. PPS
- André D., Sur les permutations alternées. *J. Math. Pures et Appliquées* **7** (1881), 167–184. PPS
- André D., Théorème sur les formes quadratiques. *Bull. Soc. Math. France* **15** (1887), 188–192. PPS
- Andreae T., On the unit interval number of a graph. *Discrete Appl. Math.* **22** (1988), 1–7. PPS
- Andrews G. and E. Deutsch, Problem 11908. *Amer. Math. Monthly* **123** (2016), 504. PPS
- Andrews G.E., *The theory of partitions* (Addison-Wesley, 1976). PPS
- Andrews G.E., Problem 10627. *Amer. Math. Monthly* **104** (1997a), 974. Solution **107** (2000), 86. PPS
- Andrews G.E., Problem 10628. *Amer. Math. Monthly* **104** (1997b), 974. Solution **107** (2000), 87. PPS
- Andrews G.E. and P. Paule, Solution to problem E3376. *Amer. Math. Monthly* **99** (1992), 63–65. Proposed **97** (1990), 240. PPS
- Andrews P. and E.T. Wang, Problem E3260. *Amer. Math. Monthly* **95** (1988), 350. Solution **97** (1990), 74–75. PPS
- Appel K. and W. Haken, Every planar map is four colorable. *Bull. Amer. Math. Soc.* **82** (1976), 711–712. PPS
- Appel K., W. Haken, and J. Koch, Every planar map is four colorable. Part II: Reducibility. *Illinois J. Math.* **21** (1977), 491–567. PPS
- Arnautov V.I., Estimation of the exterior stability number of a graph by means of the minimal degree of the vertices (Russian). *Prikl. Mat. i Programirovanie* **11** (1974), 3–8, 126. PPS
- Arratia R., On the Stanley-Wilf conjecture for the number of permutations avoiding a given pattern. *Electron. J. Combin.* **6** (1999), Note, N1, 4 pp. (electronic). PPS
- Arrow K.J., *Social Choice and Individual Values, Cowles Commission Monograph No. 12* (Wiley & Sons; Chapman & Hall, 1951). PPS
- Ash P., Problem 11520. *Amer. Math. Monthly* **117** (2010), 649. Solution **119** (2012), 701. PPS
- Avis D., Nonpartitionable point sets. *Inform. Process. Lett.* **19** (1984), 125–129. PPS
- Axenovich M., Z. Füredi, and D. Mubayi, On generalized Ramsey theory: the bipartite case. *J. Combin. Th. B* **79** (2000), 66–86. PPS
- Ayel J., Hamiltonian cycles in particular  $k$ -partite graphs. *J. Combin. Th. B* **32** (1982), 223–228. PPS
- Azuma K., Weighted sums of certain dependent random variables. *Tôhoku Math. J. (2)* **19** (1967), 357–367. PPS
- Babai L., A short proof of the nonuniform Ray-Chaudhuri-Wilson inequality. *Combinatorica* **8** (1988), 133–135. PPS
- Babai L., Graph isomorphism in quasipolynomial time (2015). (arXiv:1512.03547) PPS
- Babai L., P. Erdős, and S.M. Selkow, Random graph isomorphisms. *SIAM J. Comput.* **9** (1980), 628–635. PPS
- Babai L. and P. Frankl, *Linear algebra methods in combinatorics with applications to geometry and computer science* (Univ. of Chicago, 1992). PPS
- Babai L., W.M. Kantor, and E.M. Luks, Computational complexity and the classification of finite simple groups. In *Proc. 24th IEEE Symp. Found. Comp. Sci.* (1983), 162–171. PPS
- Babai L. and L. Kučera, Canonical labelling of graphs in linear average time. In *Proc. 20th IEEE Symp. Found. Comp. Sci.* (IEEE, 1979), 39–46. PPS

- Bäbler F., über die Zerlegung regulärer Streckenkomplexe ungerader Ordnung (German). *Comment. Math. Helv.* **10** (1937–38), 275–287. PPS
- Bäbler F., Über eine spezielle Klasse Euler’scher Graphen. *Comment. Math. Helv.* **27** (1953), 81–100. PPS
- Bach E., Exact analysis of a priority queue algorithm for random variate generation. In *Proc. 5th ACM-SIAM Symp. Discrete Algorithms (Arlington, 1994)* (ACM, 1994), 48–56. PPS
- Bacher R., Problem 10891. *Amer. Math. Monthly* **108** (2001), 668. Solution **110** (2003), 439–440. PPS
- Bachmann P., *Die Analytische Zahlentheorie (German)* (Teubner, 1894). PPS
- Baker K.A., Dimension, join-independence, and breadth in partially ordered sets (1961). Mimeographed notes. PPS
- Baker K.A., A generalization of Sperner’s lemma. *J. Combinatorial Theory* **6** (1969), 224–225. PPS
- Ball S. and V. Pepe, Asymptotic improvements to the lower bound of certain bipartite Turán numbers. *Combin. Probab. Comput.* **21** (2012), 323–329. PPS
- Ball S. and V. Pepe, Forbidden subgraphs in the norm graph. *Discrete Math.* **339** (2016), 1206–1211. PPS
- Ball W.W.R., *Mathematical Recreations and Essays* (McMillan, 1892). PPS
- Balof B. and K.P. Bogart, Simple inductive proofs of the Fishburn and Mirkin theorem and the Scott-Suppes theorem. *Order* **20** (2003), 49–51. PPS
- Balogh J. and J.A. Csirik, Index assignment for two-channel quantization. *IEEE Trans. Inform. Theory* **50** (2004), 2737–2751. PPS
- Balogh J. and H. Kaul, A threshold for random geometric graphs with a hamiltonian cycle (2007). Unpublished manuscript. PPS
- Balogh J., M. Kochol, A. Pluhár, and X. Yu, Covering planar graphs with forests. *J. Combin. Th. B* **94** (2005), 147–158. PPS
- Banderier C. and S.R. Schwer, Why Delannoy numbers? *J. Statist. Plann. Inference* **135** (2005), 40–54. PPS
- Bandlow J., An elementary proof of the hook formula. *Electron. J. Combin.* **15** (2008), Research paper 45, 14. PPS
- Bang C.M. and H. Sharp, Jr., Score vectors of tournaments. *J. Combin. Th. B* **26** (1979), 81–84. PPS
- Bang S.J., Problem 10490. *Amer. Math. Monthly* **102** (1995), 930. Solution **106** (1999), 588–589. PPS
- Bannai E. and T. Ito, On finite Moore graphs. *J. Fac. Sci. Univ. Tokyo Sect. IA Math.* **20** (1973), 191–208. PPS
- Bárány I., A short proof of Kneser’s conjecture. *J. Combin. Theory A* **25** (1978), 325–326. PPS
- Bárány I., S.B. Shlosman, and A. Szűcs, On a topological generalization of a theorem of Tverberg. *J. London Math. Soc. (2)* **23** (1981), 158–164. PPS
- Barát J. and C. Thomassen, Claw-decompositions and Tutte-orientations. *J. Graph Theory* **52** (2006), 135–146. PPS
- Barra M., Editorial comment to solution of problem 10663. *Amer. Math. Monthly* **107** (2000), 370. Proposed **105** (1998), 464. PPS
- Basavaraju M., L.S. Chandran, and M. Kummini,  $d$ -regular graphs of acyclic chromatic index at least  $d + 2$ . *J. Graph Theory* **63** (2010), 226–230. PPS
- Basin S.L. and V.E. Hoggatt, Jr., A primer on the Fibonacci sequence, part II. *Fibonacci Quart.* **1** (1963), 61–68. PPS
- Batagelj V. and T.z. Pisanski, Hamiltonian cycles in the Cartesian product of a tree and a cycle. *Discr. Math.* **38** (1982), 311–312. PPS
- Bauer D., Regular  $K_n$ -free graphs. *J. Combin. Th. B* **35** (1983), 193–200. PPS
- Bauer D., H.J. Broersma, and E.F. Schmeichel, Toughness in graphs—a survey. *Graphs Combin.* **22** (2006), 1–35. PPS
- Bauer D., H.J. Broersma, and H.J. Veldman, Not every 2-tough graph is Hamiltonian. In *Proc. 5th Twente Workshop on Graphs and Combin. Optimization (Enschede, 1997)*, **99** (2000), 317–321. PPS
- Bauer D. and E.F. Schmeichel, Hamiltonian degree conditions which imply a graph is pancyclic. *J. Combin. Th. B* **48** (1990), 111–116. PPS
- Baumert L.D., *Cyclic difference sets, Lect. Notes Math.* **182** (Springer-Verlag, 1971). PPS
- Baumert L.D., S.W. Golomb, and M. Hall, Jr., Discovery of an Hadamard matrix of order 92. *Bull. Amer. Math. Soc.* **68** (1962), 237–238. PPS
- Bean D.R., Effective coloration. *J. Symbolic Logic* **41** (1976), 469–480. PPS
- Beck J., On 3-chromatic hypergraphs. *Discrete Math.* **24** (1978), 127–137. PPS
- Beck J., On size Ramsey number of paths, trees, and circuits. I. *J. Graph Theory* **7** (1983), 115–129. PPS
- Beckwith D., Problem 10669. *Amer. Math. Monthly* **105** (1998), 559. Solution **107** (2000), 568–569. PPS
- Beckwith D., Problem 10809. *Amer. Math. Monthly* **107** (2000), 566. Solution **109** (2002), 477–478. PPS
- Beckwith D., Problem 10865. *Amer. Math. Monthly* **108** (2001), 371. Solution **109** (2002), 859–860. PPS
- Beckwith D., Problem 11183. *Amer. Math. Monthly* **112** (2005), 839. Solution **114** (2007), 551–552. PPS
- Beckwith D., Problem 11212. *Amer. Math. Monthly* **113** (2006), 268. Solution **115** (2008), 366–367. PPS
- Beckwith D., Problem 11249. *Amer. Math. Monthly* **113** (2006a), 760. Solution **115** (2008), 859–960. PPS
- Beckwith D., Problem 11343. *Amer. Math. Monthly* **115** (2008), 166. Solution **116** (2009), 944–945. PPS
- Beckwith D., Problem 11464. *Amer. Math. Monthly* **116** (2009), 845. Solution **118** (2011), 750. PPS
- Beckwith D., Problem 11583. *Amer. Math. Monthly* **118** (2011), 558. Solution **120** (2013), 756–757. PPS
- Beckwith D., Problem 11754. *Amer. Math. Monthly* **121** (2014), 170. Solution **123** (2016). PPS

- Behrend F.A., On sets of integers which contain no three terms in arithmetical progression. *Proc. Nat. Acad. Sci. U. S. A.* **32** (1946), 331–332. PPS
- Behzad M., *Graphs and their chromatic numbers* (Michigan State Univ., 1965). Ph.D. Thesis. PPS
- Behzad M., G. Chartrand, and L. Lesniak-Poster, *Graphs & digraphs* (PWS Publishers, Boston, Mass., 1979). PPS
- Behzad M. and S.E. Mahmoudian, On topological invariants of the product of graphs. *Canad. Math. Bull.* **12** (1969), 157–166. PPS
- Beineke L.W. and R.D. Ringeisen, On the crossing numbers of products of cycles and graphs of order four. *J. Graph Theory* **4** (1980), 145–155. PPS
- Beineke L.W. and A.J. Schwenk, On a bipartite form of the Ramsey problem. In *Proc. 5th British Combin. Conf. (Univ. Aberdeen, 1975)*, *Congr. Numer.* **15** (Utilitas Math., 1976), 17–22. PPS
- Belck H.B., Reguläre Faktoren von Graphen. *J. Reine Angew. Math.* **188** (1950), 228–252. PPS
- Belevitch V., Theory of  $2n$ -terminal networks with applications to conference telephony. *Electr. Commun.* **27** (1950), 231–244. PPS
- Ben-Arroyo Hartman I., Berge's conjecture on directed path partitions—a survey. *Discrete Math.* **306** (2006), 2498–2514. PPS
- Bender E.A. and J.R. Goldman, Enumerative uses of generating functions. *Indiana Univ. Math. J.* **20** (1971), 753–765. PPS
- Bender E.A. and D.E. Knuth, Enumeration of plane partitions. *J. Combin. Th. A* **13** (1972), 40–54. PPS
- Bender E.A., F. Kochman, and D.B. West, Adding up to powers. *Amer. Math. Monthly* **97** (1990), 139–143. PPS
- Benjamin A.T., G.M. Levin, K. Mahlborg, and J.J. Quinn, Random approaches to Fibonacci identities. *Amer. Math. Monthly* **107** (2000), 511–516. PPS
- Benjamin A.T. and J.J. Quinn, The Fibonacci numbers—exposed more discretely. *Math. Mag.* **76** (2003), 182–192. PPS
- Bennett G., Problem 10216. *Amer. Math. Monthly* **99** (1992), 363. Solution **101** (1994), 917. PPS
- Bentz H.J., Proof of the Bulgarian Solitaire conjectures. *Ars Combin.* **23** (1987), 151–170. PPS
- Benzer S., On the topology of the genetic fine structure. *Proc. Nat. Acad. Sci. USA* **45** (1959), 1607–1620. PPS
- Berge C., Two theorems in graph theory. *Proc. Nat. Acad. Sci. U.S.A.* **43** (1957), 842–844. PPS
- Berge C., Sur le couplage maximum d'un graphe. *C.R. Acad. Sci. Paris* **247** (1958), 258–259. PPS
- Berge C., Les problèmes de coloration en théorie des graphes. *Publ. Inst. Statist. Univ. Paris* **9** (1960), 123–160. PPS
- Berge C., Perfect graphs. In *Six papers on Graph Theory* (Indian Stat. Institute, 1963), 1–21. PPS
- Berge C., Une propriété des graphes  $k$ -stables-critiques. In *Combinatorial Structures and Their Applications* (R. Guy, H. Hanani, N.W. Sauer, and J. Schönheim, eds.) (Gordon and Breach, 1970), 7–11. PPS
- Berge C., *Graphs and Hypergraphs* (North-Holland, 1973). (translation and revision of *Graphes et Hypergraphes*, Dunod, 1970). PPS
- Berge C., Nombres de coloration de l'hypergraphe  $h$ -parti complet. *Ann. Mat. Pura Appl. (4)* **103** (1975), 3–9. PPS
- Berge C., A theorem related to the Chvátal conjecture. In *Proc. 5th British Combin. Conf. (Univ. Aberdeen, 1975)*, **15** (Utilitas Math., 1976), 35–40. PPS
- Berge C.,  $k$ -optimal partitions of a directed graph. *European J. Combin.* **3** (1982), 97–101. PPS
- Berge C., Path-partitions in directed graphs and posets. In *Graphs and order (Banff, Alta., 1984)*, *NATO Adv. Sci. Inst. C Math. Phys. Sci.* **147** (Reidel, 1985), 447–464. PPS
- Berge C. and V. Chvátal, *Topics on Perfect Graphs*, *Ann. Discrete Math.* **21** (North-Holland, 1984). PPS
- Berge C. and J.L. Ramírez-Alfonsín, Origins and genesis. In *Perfect graphs*, *Wiley-Intersci. Ser. Discrete Math. Optim.* (Wiley, 2001), 1–12. PPS
- Berger E. and I. Ben-Arroyo Hartman, Proof of Berge's strong path partition conjecture for  $k = 2$ . *European J. Combin.* **29** (2008), 179–192. PPS
- Berlekamp E.R., On subsets with intersections of even cardinality. *Canad. Math. Bull.* **12** (1969), 471–474. PPS
- Bermond J.C., On Hamiltonian walks. In *Proc. Fifth Brit. Combin. Conf. (C.St.J.A. Nash-Williams and J. Sheehan, eds.)* (Utilitas Math., 1976), 41–51. PPS
- Bermond J.C. and C. Thomassen, Cycles in digraphs—a survey. *J. Graph Theory* **5** (1981), 1–43. PPS
- Bertrand J., Solution d'un problème. *Comptes Rendus Acad. Sci., Paris* **105** (1887), 369. PPS
- Beth T., D. Jungnickel, and H. Lenz, *Design theory* (Cambridge Univ. Press, 1986). PPS
- Beutelspacher A. and W. Brestovansky, Generalized Schur numbers. In *Combinatorial theory (Schloss Rauischholzhausen, 1982)*, *Lecture Notes in Math.* **969** (Springer, 1982), 30–38. PPS
- Bey C. and J.R. Griggs, Problem 10932. *Amer. Math. Monthly* **109** (2002), 298. Solution **111** (2004), 262–263. PPS
- Bhanu K.S. and M.N. Deshpande, Problem 11503. *Amer. Math. Monthly* **117** (2010), 458. Solution **119** (2012), 349–350. PPS
- Bhasker J., T. Samad, and D.B. West, Size, chromatic number, and connectivity. *Graphs Combin.* **10** (1994), 209–213. PPS
- Bhatt S.N. and C.E. Leiserson, Minimizing the longest edge in a VLSI layout (1981). Unpub. MIT memo. PPS
- Bialostocki A. and J. Schönheim, On some Turán and Ramsey numbers for  $C_4$ . In *Graph theory and combinatorics (Cambridge, 1983)* (Acad. Press, 1984), 29–33. PPS
- Biedl T., E.D. Demaine, C.A. Duncan, R. Fleischer, and S.G. Kobourov, Tight bounds on maximal and maximum matchings. *Discrete Math.* **285** (2004), 7–15. PPS

- Bienstock D., Some provably hard crossing number problems. *Discrete Comput. Geom.* **6** (1991), 443–459. PPS
- Bienstock D. and N. Dean, New results on rectilinear crossing numbers and plane embeddings. *J. Graph Theory* **16** (1992), 389–398. PPS
- Bienstock D. and N. Dean, Bounds for rectilinear crossing numbers. *J. Graph Theory* **17** (1993), 333–348. PPS
- Biggs N.L., E.K. Lloyd, and R.J. Wilson, *Graph theory: 1736–1936* (Clarendon Press, 1976). PPS
- Binet J.P., Mémoire sur l'intégration des équations linéaires aux différences finies, d'un ordre quelconque, à coefficients variables. *Comptes Rendus hebdomadaires des séances de l'Académie des Sciences* **17** (1843), 559–567. PPS
- Birkhoff G., The reducibility of maps. *Amer. J. Math.* **35** (1913), 114–128. PPS
- Birkhoff G., On the structure of abstract algebras. *Proc. Cambridge Phil. Soc* **31** (1935), 433–454. PPS
- Birkhoff G., Tres observaciones sobre el algebra lineal. *Rev. Univ. Nac. Tucumán, Series A* **5** (1946), 147–151. PPS
- Birkhoff G., *Lattice theory, Third edition. American Mathematical Society Colloquium Publications, Vol. XXV* (AMS, 1967). PPS
- Bixby R.E., Matroids and operations research. In *Advanced techniques in practice of operations research* (H.J. Greenberg, F.H. Murphy, and S.H. Shaw, eds.) (North-Holland, 1981), 333–458. PPS
- Björner A., J. Matoušek, and G.M. Ziegler, *Using Brouwer's fixed point theorem, A Journey through Discrete Mathematics. A Tribute to Jiří Matoušek* (Springer, to appear). (arXiv:1409.7890) PPS
- Blagojević P.V.M., F. Frick, A. Haase, and G.M. Ziegler, Hyperplane mass partitions via relative equivariant obstruction theory (2015). (arXiv:1509.02959) PPS
- Blagojević P.V.M., F. Frick, A. Haase, and G.M. Ziegler, Topology of the Grünbaum–Hadwiger–Ramos hyperplane mass partition problem (2015). (arXiv:1502.02975) PPS
- Blass A. and F. Harary, Properties of almost all graphs and complexes. *J. Graph Th.* **3** (1979), 225–240. PPS
- Blokhuis A., A new upper bound for the cardinality of 2-distance sets in Euclidean space. In *Convexity and graph theory (Jerusalem, 1981), North-Holland Math. Stud.* **87** (North-Holland, 1984), 65–66. PPS
- Bloom D.M., Problem 10343. *Amer. Math. Monthly* **100** (1993), 874. Solution **104** (1997), 77–78. PPS
- Bloom D.M., Problem 10921. *Amer. Math. Monthly* **109** (2002), 201. Solution **110** (2003), 958–959. PPS
- Bloom D.M. and K. Suman, Problem 10565. *Amer. Math. Monthly* **104** (1997), 68. Solution **106** (1999), 72. PPS
- Bloome L., P. Johnson, and N. Saritzky, Problem 11625. *Amer. Math. Monthly* **119** (2012), 162. Solution **121** (2014), 273. PPS
- Bogart K.P., *Introductory combinatorics, 2nd ed.* (Harcourt Brace Jovanovich, 1990). Also 1983, 2000. PPS
- Bogart K.P., An obvious proof of Fishburn's interval order theorem. *Discrete Math.* **118** (1993), 239–242. PPS
- Bogart K.P. and W.T. Trotter, Jr., Maximal dimensional partially ordered sets. II. Characterization of  $2n$ -element posets with dimension  $n$ . *Discrete Math.* **5** (1973), 33–43. PPS
- Bogart K.P. and D.B. West, A short proof that “proper = unit”. *Discrete Math.* **201** (1999), 21–23. PPS
- Bognár J., J. Mogyoródi, A. Prékopa, A. Rényi, and D. Szász, *Problem Book on Probability (Hungarian)* (Tankönyvkiadó, 1970). PPS
- Bohman T., The triangle-free process. *Adv. Math.* **221** (2009), 1653–1677. PPS
- Bohman T. and P. Keevash, Dynamic concentration of the triangle-free process. In *7th European Conf. Combin. Graph Th. Appl., CRM Series* **16** (Ed. Norm., 2013), 489–495. PPS
- Bollobás B., On generalized graphs. *Acta Math. Acad. Sci. Hungar* **16** (1965), 447–452. PPS
- Bollobás B., Graphs with given diameter and maximal valency and with a minimal number of edges. In *Combinatorial mathematics and its applications (Proc. Conf., Oxford, 1969)* (Acad. Press, 1971), 25–37. PPS
- Bollobás B., Sperner systems consisting of pairs of complementary subsets. *J. Combin. Th. A* **15** (1973), 363–366. PPS
- Bollobás B., On complete subgraphs of different orders. *Math. Proc. Cambridge Philos. Soc.* **79** (1976), 19–24. PPS
- Bollobás B., On complete subgraphs of different orders. *Math. Proc. Cambridge Philos. Soc.* **79** (1976a), 19–24. PPS
- Bollobás B., Relations between sets of complete subgraphs. In *Proc. 5th British Combin. Conf. (Univ. Aberdeen, 1975), Congr. Numer.* **15** (Utilitas Math., 1976b), 79–84. PPS
- Bollobás B., *Extremal graph theory, London Mathematical Society Monographs* **11** (Acad. Press, 1978). PPS
- Bollobás B., Degree sequences of random graphs. *Discrete Math.* **33** (1981), 1–19. PPS
- Bollobás B., Degree sequences of random graphs. *Discrete Math.* **33** (1981), 1–19. PPS
- Bollobás B., Threshold functions for small subgraphs. *Math. Proc. Camb. Phil. Soc* **90** (1981), 197–206. PPS
- Bollobás B., Threshold functions for small subgraphs. *Math. Proc. Cambridge Philos. Soc.* **90** (1981), 197–206. PPS
- Bollobás B., Vertices of given degree in a random graph. *J. Graph Th.* **6** (1982), 147–155. PPS
- Bollobás B., *Random Graphs* (Academic Press, 1985). Also 2001. PPS
- Bollobás B., *Combinatorics: Set systems, hypergraphs, families of vectors and combinatorial probability* (Cambridge Univ. Press, 1986). PPS
- Bollobás B., The chromatic number of random graphs. *Combinatorica* **8** (1988), 49–55. PPS
- Bollobás B., *Modern graph theory, Graduate Texts in Mathematics* **184** (Springer-Verlag, 1998). PPS
- Bollobás B. and G.R. Brightwell, The height of a random partial order: concentration of measure. *Ann. Appl. Probab.* **2** (1992), 1009–1018. PPS
- Bollobás B. and P. Erdős, On the structure of edge graphs. *Bull. London Math. Soc.* **5** (1973), 317–321. PPS

- Bollobás B. and P. Erdős, Cliques in random graphs. *Math. Proc. Camb. Phil. Soc.* **80** (1976), 419–427. PPS
- Bollobás B., P. Erdős, and M. Simonovits, On the structure of edge graphs. II. *J. London Math. Soc.* (2) **12** (1976), 219–224. PPS
- Bollobás B. and A.J. Harris, List-colourings of graphs. *Graphs Combin.* **1** (1985), 115–127. PPS
- Bollobás B. and Y. Kohayakawa, An extension of the Erdős-Stone theorem. *Combinatorica* **14** (1994), 279–286. PPS
- Bollobás B. and E. Szemerédi, Girth of sparse graphs. *J. Graph Theory* **39** (2002), 194–200. PPS
- Bollobás B. and A.G. Thomason, On the girth of Hamiltonian weakly pancyclic graphs. *J. Graph Theory* **26** (1997), 165–173. PPS
- Bollobás B. and A.G. Thomason, Proof of a conjecture of Mader, Erdős and Hajnal on topological complete subgraphs. *Europ. J. Combin.* **19** (1998), 883–887. PPS
- Bóna M., Problem E3378. *Amer. Math. Monthly* **97** (1991), 340. Solution **99** (1992), 65–66. PPS
- Bóna M., Permutations avoiding certain patterns: the case of length 4 and some generalizations. *Discrete Math.* **175** (1997), 55–67. PPS
- Bóna M., The solution of a conjecture of Stanley and Wilf for all layered patterns. *J. Combin. Th. A* **85** (1999), 96–104. PPS
- Bóna M., *Combinatorics of permutations, Discrete Mathematics and its Applications (Boca Raton)* (Chapman & Hall/CRC, 2004). PPS
- Bonamy M., Planar graphs with  $\Delta \geq 8$  are  $(\Delta + 1)$ -edge-choosable. In *7th European Conf. Combin. Graph Th. Appl., CRM Series* **16** (Ed. Norm., 2013), 241–244. PPS
- Bonamy M., Planar graphs with  $\Delta \geq 8$  are  $(\Delta + 1)$ -edge-choosable. *SIAM J. Discrete Math.* **29** (2015), 1735–1763. PPS
- Bondarenko A., On Borsuk’s conjecture for two-distance sets. *Discrete Comput. Geom.* **51** (2014), 509–515. PPS
- Bondy J.A., Properties of graphs with constraints on degrees. *Stud. Sci. Math. Hung.* **4** (1969), 473–475. PPS
- Bondy J.A., Pancyclic graphs. I. *J. Combin. Th. B* **11** (1971a), 80–84. PPS
- Bondy J.A., Large cycles in graphs. *Discrete Math.* **1** (1971b), 121–132. PPS
- Bondy J.A., Variation on the Hamiltonian theme. *Canad. Math. Bull.* **15** (1972), 57–62. PPS
- Bondy J.A., Induced subsets. *J. Combin. Th. B* **12** (1972a), 201–202. PPS
- Bondy J.A., A remark on two sufficient conditions for Hamilton cycles. *Discrete Math.* **22** (1978), 191–194. PPS
- Bondy J.A., A remark on two sufficient conditions for Hamilton cycles. *Discrete Math.* **22** (1978a), 191–193. PPS
- Bondy J.A., Hamilton cycles in graphs and digraphs. In *Proc. 9th Southeastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton)*, **21** (Utilitas Math., 1978b), 3–28. PPS
- Bondy J.A., Integrity in graph theory. In *The theory and applications of graphs (Kalamazoo, Mich., 1980)* (Wiley, 1981), 117–125. PPS
- Bondy J.A., Basic graph theory: paths and circuits. In *Handbook of combinatorics, Vol. 1, 2* (Elsevier, 1995), 3–110. PPS
- Bondy J.A. and V. Chvátal, A method in graph theory. *Discrete Math.* **15** (1976), 111–136. PPS
- Bondy J.A. and M. Kouider, Hamiltonian cycles in regular 2-connected graphs. *J. Combin. Th. B* **44** (1988), 177–186. PPS
- Bondy J.A. and S.C. Locke, Largest bipartite subgraphs in triangle-free graphs with maximum degree three. *J. Graph Theory* **10** (1986), 477–504. PPS
- Bondy J.A. and L. Lovász, Cycles through specified vertices of a graph. *Combinatorica* **1** (1981), 117–140. PPS
- Bondy J.A. and U.S.R. Murty, *Graph Theory with Applications* (North-Holland, 1976). Also 2007. PPS
- Bondy J.A. and U.S.R. Murty, *Graph theory, Graduate Texts in Mathematics* **244** (Springer, 2008). PPS
- Bondy J.A. and M. Simonovits, Cycles of even length in graphs. *J. Combin. Th. B* **16** (1974), 97–105. PPS
- Bonnice W.E., On convex polygons determined by a finite planar set. *Amer. Math. Monthly* **81** (1974), 749–752. PPS
- Booth K.S. and G.S. Luecker, Testing for the consecutive ones property, interval graphs, and graph planarity using PQ-tree algorithms. *J. Comp. Syst. Sci.* **13** (1976), 335–379. PPS
- Borchardt C.W., Ueber eine der Interpolation entsprechende Darstellung der Eliminations-Resultante. *J. Reine Angew. Math.* **57** (1860), 111–121. PPS
- Borg P. and K. Meagher, The Katona cycle proof of the Erdős-Ko-Rado theorem and its possibilities. *J. Algebraic Combin.* **43** (2016), 915–939. PPS
- Borodin O.V., Solution of the Ringel problem on vertex-face coloring of planar graphs and coloring of 1-planar graphs. *Metody Diskret. Analiz.* (1984), 12–26, 108. PPS
- Borodin O.V., Solving the Kotzig and Grünbaum problems on the separability of a cycle in planar graphs. *Mat. Zametki* **46** (1989a), 9–12, 103. PPS
- Borodin O.V., On the total coloring of planar graphs. *J. Reine Angew. Math.* **394** (1989b), 180–185. PPS
- Borodin O.V., A generalization of Kotzig’s theorem and prescribed edge coloring of planar graphs. *Mat. Zametki* **48** (1990), 22–28, 160. PPS
- Borodin O.V., A new proof of the 6 color theorem. *J. Graph Theory* **19** (1995), 507–521. PPS
- Borodin O.V., Structural properties of plane graphs without adjacent triangles and an application to 3-colorings. *J. Graph Theory* **21** (1996a), 183–186. PPS

- Borodin O.V., Structural theorem on plane graphs with application to the entire coloring number. *J. Graph Theory* **23** (1996b), 233–239. PPS
- Borodin O.V., Colorings of plane graphs: A survey. *Discrete Math.* **313** (2013), 517–539. PPS
- Borodin O.V., A.N. Glebov, A. Raspaud, and M.R. Salavatipour, Planar graphs without cycles of length from 4 to 7 are 3-colorable. *J. Combin. Th. B* **93** (2005), 303–311. PPS
- Borodin O.V. and A.O. Ivanova, 2-distance  $(\Delta + 2)$ -coloring of planar graphs with girth six and  $\Delta \geq 18$ . *Discrete Math.* **309** (2009), 6496–6502. PPS
- Borodin O.V. and A.V. Kostochka, On an upper bound of the graph's chromatic number depending on the graph's degree and density. *J. Combin. Th. B* **23** (1977), 247–250. PPS
- Borodin O.V., A.V. Kostochka, and D.R. Woodall, Total colorings of planar graphs with large maximum degree. *J. Graph Theory* **26** (1997), 53–59. PPS
- Borodin O.V. and D.P. Sanders, On light edges and triangles in planar graphs of minimum degree five. *Math. Nachr.* **170** (1994), 19–24. PPS
- Borsuk K., Über Schnitte der  $n$ -dimensionalen Euklidischen Räume. *Math. Ann.* **106** (1932), 239–248. PPS
- Borsuk K., Über gewisse Invarianten der  $\varepsilon$ -Abbildungen. *Math. Ann.* **108** (1933), 311–318. PPS
- Borůvka O., O jistém problému minimálním (Czech). *Práce mor. přírodověd. spol. v Brně* **3** (1926), 37–58. PPS
- Bosák J., Hamiltonian lines in cubic graphs. In *Theory of Graphs (Internat. Sympos., Rome, 1966)* (Gordon and Breach; Dunod, 1967), 35–46. PPS
- Bose R.C., On the construction of balanced incomplete block designs. *Ann. Eugenics* **9** (1939), 353–399. PPS
- Bose R.C. and S.S. Shrikhande, On the falsity of Euler's conjecture about the non-existence of two orthogonal Latin squares of order  $4t + 2$ . *Proc. Nat. Acad. Sci. U.S.A.* **45** (1959), 734–737. PPS
- Bose R.C., S.S. Shrikhande, and E.T. Parker, Further results on the construction of mutually orthogonal Latin squares and the falsity of Euler's conjecture. *Canad. J. Math.* **12** (1960), 189–203. PPS
- Bouchet A. and J.L. Fouquet, Trois types de décompositions d'un graphe en chaînes. In *Combinatorial mathematics (Marseille-Luminy, 1981)*, North-Holland Math. Stud. **75** (North-Holland, 1983), 131–141. PPS
- Boyer J. and W. Myrvold, Stop minding your P's and Q's: a simplified  $O(n)$  planar embedding algorithm. In *Proc. 10th ACM-SIAM Symp. Discrete Algs. (Baltimore)* (Assoc. Comput. Mach., 1999), 140–146. PPS
- Brandstädt A., V.B. Le, and J.P. Spinrad, *Graph classes: a survey*, SIAM Monographs on Discrete Mathematics and Applications (Society for Industrial and Applied Mathematics (SIAM), 1999). PPS
- Brandt J., Cycles of partitions. *Proc. Amer. Math. Soc.* **85** (1982), 483–486. PPS
- Brandt S., Subtrees and subforests of graphs. *J. Combin. Th. B* **61** (1994), 63–70. PPS
- Branin F.H., Jr., The relation between Kron's method and the classical methods of network analysis. In *IRE Wescon Convention Record, II* (1959), 3–28. PPS
- Brightwell G.R., Semiorders and the  $\frac{1}{3}-\frac{2}{3}$  conjecture. *Order* **5** (1989), 369–380. PPS
- Brightwell G.R., On the complexity of diagram testing. *Order* **10** (1993), 297–303. PPS
- Brightwell G.R. and E.R. Scheinerman, Representations of planar graphs. *SIAM J. Discrete Math.* **6** (1993), 214–229. PPS
- Brightwell G.R. and C. Wright, The  $1/3-2/3$  conjecture for 5-thin posets. *SIAM J. Discrete Math.* **5** (1992), 467–474. PPS
- Broersma H. and H. Tuinstra, Independence trees and Hamilton cycles. *J. Graph Th.* **29** (1998), 227–237. PPS
- Broersma H.J., Existence of  $\Delta_\lambda$ -cycles and  $\Delta_\lambda$ -paths. *J. Graph Th.* **12** (1988), 499–507. PPS
- Broersma H.J., On some intriguing problems in Hamiltonian graph theory—a survey. *Discrete Math.* **251** (2002), 47–69. PPS
- Broersma H.J., F.V. Fomin, P.A. Golovach, and G.J. Woeginger, Backbone colorings for graphs: tree and path backbones. *J. Graph Theory* **55** (2007), 137–152. PPS
- Broline D.M., Renumbering of the faces of dice. *Math. Mag.* **52** (1979), 312–314. PPS
- Broline D.M. and D.E. Loeb, The combinatorics of Mancala-type games: Ayo, Tchoukaillon, and  $1/\pi$ . *UMAP J.* **16** (1995), 21–36. PPS
- Brooks R.L., On colouring the nodes of a network. *Proc. Cambridge Phil. Soc.* **37** (1941), 194–197. PPS
- Brouwer A.E. and W.H. Haemers, *Spectra of graphs*, Universitext (Springer, 2012). PPS
- Brouwer A.E. and A. Schrijver, The blocking number of an affine space. *J. Combin. Th. A* **24** (1978), 251–253. PPS
- Brouwer L.E.J., Über Abbildung von Mannigfaltigkeiten. *Math. Ann.* **71** (1911), 97–115. PPS
- Brown J.L., Jr., Note on complete sequences of integers. *Amer. Math. Monthly* **68** (1961), 557–560. PPS
- Brown T.C., P. Erdős, F.R.K. Chung, and R.L. Graham, Quantitative forms of a theorem of Hilbert. *J. Combin. Th. A* **38** (1985), 210–216. PPS
- Brown W.G., On graphs that do not contain a Thomsen graph. *Canad. Math. Bull.* **9** (1966), 281–285. PPS
- Brualdi R.A., Comments on bases in dependence structures. *Bull. Austral. Math. Soc.* **1** (1969), 161–167. PPS
- Brualdi R.A., *Introductory combinatorics* (North-Holland, 1977). PPS
- Brualdi R.A., *Introductory combinatorics (5th ed.)* (Pearson Prentice Hall, 2010). PPS
- Brualdi R.A. and S. Kirkland, Aztec diamonds and digraphs, and Hankel determinants of Schröder numbers. *J. Combin. Th. B* **94** (2005), 334–351. PPS
- Bruck R.H. and H.J. Ryser, The nonexistence of certain finite projective planes. *Canadian J. Math.* **1** (1949), 88–93. PPS



- Bruhn H., P. Charbit, and J.A. Telle, The graph formulation of the union-closed sets conjecture. In *The Seventh European Conference on Combinatorics, Graph Theory and Applications, CRM Series 16* (Ed. Norm., 2013), 73–78. PPS
- Bruhn H. and O. Schaudt, The journey of the union-closed sets conjecture. *Graphs Combin.* **31** (2015), 2043–2074. PPS
- Bryant D. and P. Danziger, On bipartite 2-factorizations of  $K_n - I$  and the Oberwolfach problem. *J. Graph Th.* **68** (2011), 22–37. PPS
- Bryant D., D. Horsley, and W. Pettersson, Cycle decompositions V: Complete graphs into cycles of arbitrary lengths. *Proc. Lond. Math. Soc. (3)* **108** (2014), 1153–1192. PPS
- Bryant D. and C.A. Rodger, Cycle decompositions. In *The CRC Handbook of Combinatorial Designs (2nd ed.)* (Columbourn, Charles J. and Dinitz, Jeffrey H., eds.) (CRC Press, 2007), 373–382. PPS
- Bryant P.R., Graph theory applied to electrical networks. In *Graph Theory and Theoretical Physics* (Acad. Press, 1967), 111–137. PPS
- Brylawski T.H., Some properties of basic families of subsets. *Discrete Math.* **6** (1973), 333–341. PPS
- Brylawski T.H., Appendix of matroid cryptomorphisms. In *Theory of matroids* (N. White, ed.), *Encyc. Math. Appl.* **26** (Cambridge Univ. Press, 1986), 298–316. PPS
- Bu Y. and W. Wang, Some sufficient conditions for a planar graph of maximum degree six to be class 1. *Discrete Math.* **306** (2006), 1440–1445. PPS
- Buckley F. and M. Lewinter, *A Friendly Introduction to Graph Theory* (Prentice Hall, 2002). PPS
- Bunde D.P., E.W. Chambers, D.W. Cranston, K.G. Milans, and D.B. West, Pebbling and optimal pebbling in graphs. *J. Graph Theory* **57** (2008), 215–238. PPS
- Buneman P., A characterization of rigid circuit graphs. *Discrete Math.* **9** (1974), 205–212. PPS
- Buneman P. and L. Levy, The Towers of Hanoi problem. *Inform. Process. Lett.* **10** (1980), 243–244. PPS
- Buratti M., Rotational  $k$ -cycle systems of order  $v < 3k$ ; another proof of the existence of odd cycle systems. *J. Combin. Des.* **11** (2003), 433–441. PPS
- Burns D. and S. Schuster, Embedding  $(p, p - 1)$  graphs in their complements. *Israel J. Math.* **30** (1978), 313–320. PPS
- Burr S.A., Generalized Ramsey theory for graphs—a survey. In *Graphs and Combinatorics, Proc. Capital Conf. (Washington, 1973)*, *Lect. Notes Math.* **486** (Springer, 1974), 52–75. PPS
- Burr S.A. and P. Erdős, On the magnitude of generalized Ramsey numbers for graphs. In *Infinite and finite sets (Colloq., Keszthely, 1973; dedicated to P. Erdős on his 60th birthday)*, Vol. 1, *Colloq. Math. Soc. János Bolyai* **10** (North-Holland, 1975), 215–240. PPS
- Burr S.A. and P. Erdős, Extremal Ramsey theory for graphs. *Utilitas Math.* **9** (1976), 247–258. PPS
- Burr S.A. and P. Erdős, Generalizations of a Ramsey-theoretic result of Chvátal. *J. Graph Th.* **7** (1983), 39–51. PPS
- Burr S.A., P. Erdős, and L. Lovász, On graphs of Ramsey type. *Ars Combinatoria* **1** (1976), 167–190. PPS
- Burr S.A., P. Erdős, and J. Spencer, Ramsey theorems for multiple copies of graphs. *Trans. Amer. Math. Soc.* **209** (1975), 87–99. PPS
- Burštejn M.I., An upper bound for the chromatic number of hypergraphs. *Sakharth. SSR Mecn. Akad. Moambe* **75** (1974), 37–40. PPS
- Burungale A., Problem 11262. *Amer. Math. Monthly* **113** (2006), 940. Solution **115** (2008), 862. PPS
- Butler S. and J. Mao, Problem 11265. *Amer. Math. Monthly* **114** (2007), 77. Solution **116** (2009), 181. PPS
- Callan D., Problem 10643. *Amer. Math. Monthly* **105** (1998), 175. Solution **107** (2000), 278–279. PPS
- Callan D., Solution to problem 10596. *Amer. Math. Monthly* **106** (1999), 367. Proposed **104** (1997), 456. PPS
- Callan D., A combinatorial derivation of the number of labeled forests. *J. Integer Seq.* **6** (2003), Article 03.4.7, 9. PPS
- Callan D., Solution to problem 10878. *Amer. Math. Monthly* **110** (2003a), 342–343. Proposed **108** (2001), 470. PPS
- Callan D., Solution to problem 10894. *Amer. Math. Monthly* **110** (2003b), 443–444. Proposed **108** (2001), 770. PPS
- Callan D., Problem 11013. *Amer. Math. Monthly* **110** (2003c), 438. Solution **112** (2005), 184. PPS
- Callan D., Problem 11091. *Amer. Math. Monthly* **111** (2004), 534. Solution **113** (2006), 462–463. PPS
- Callan D., Problem 11362. *Amer. Math. Monthly* **105** (2008), 461. Solution **117** (2010), 187. PPS
- Callan D., Problem 11567. *Amer. Math. Monthly* **118** (2011a), 371. Solution **120** (2013), 370. PPS
- Callan D., Lagrange inversion counts 35241-avoiding permutations. *J. Integer Seq.* **14** (2011b), Article 11.9.4, 5. PPS
- Callan D. and E. Deutsch, Problem 11624. *Amer. Math. Monthly* **119** (2012a), 161–162. Solution **121** (2014), 273. PPS
- Callan D. and E. Deutsch, The run transform. *Discrete Math.* **312** (2012b), 2927–2937. PPS
- Cameron K.B., *Polyhedral and Algorithmic Ramifications of Antichains* (ProQuest, 1982). Ph.D. Thesis, Univ. Waterloo. PPS
- Cameron K.B., On  $k$ -optimum dipath partitions and partial  $k$ -colourings of acyclic digraphs. *European J. Combin.* **7** (1986), 115–118. PPS
- Cameron P.J. and J.H. van Lint, *Designs, graphs, codes and their links, London Mathematical Society Student Texts* **22** (Cambridge Univ. Press, 1991). PPS
- Cameron P.J. and I.M. Wanless, Covering radius for sets of permutations. *Discrete Math.* **293** (2005), 91–109. PPS

- Camion P., Chemins et circuits hamiltoniens des graphes complets. *C. R. Acad. Sci. Paris* **249** (1959), 2151–2152. PPS
- Campbell C. and W. Staton, On extremal regular graphs with given odd girth. In *Proc. 22nd Southeastern Intl. Conf. Combin. Graph Th. Comput. (Baton Rouge), Congr. Numer.* **81** (1991), 157–159. PPS
- Canfield E.R., On a problem of Rota. *Adv. in Math.* **29** (1978), 1–10. PPS
- Cannings C. and J. Haigh, Montreal solitaire. *J. Combin. Th. A* **60** (1992), 50–66. PPS
- Cao W., K.W. Hwang, and D.B. West, Improved bounds on families under  $k$ -wise set-intersection constraints. *Graphs Combin.* **23** (2007), 381–386. PPS
- Carlitz L., Eulerian numbers and polynomials. *Math. Mag.* **32** (1958/1959), 247–260. PPS
- Carlitz L., D.P. Roselle, and R.A. Scoville, Some remarks on ballot-type sequences of positive integers. *J. Combinatorial Theory A* **11** (1971), 258–271. PPS
- Caro N. and C. Pohoata, Solution to problem 11403 (solved independently). *Amer. Math. Monthly* **118** (2011), 276–277. PPS
- Proposed **115** (2008), 949. PPS
- Caro Y., New results on the independence number. Tech. Rep. 05-79, Tel-Aviv University (1979). PPS
- Caro Y., I. Krasikov, and Y. Roditty, On the largest tree of given maximum degree in a connected graph. *J. Graph Th.* **15** (1991), 7–13. PPS
- Caro Y. and Y. Roditty, Connected colorings of graphs. *Ars Combin.* **70** (2004), 191–196. PPS
- Caro Y. and Z. Tuza, Improved lower bounds on  $k$ -independence. *J. Graph Theory* **15** (1991), 99–107. PPS
- Catalan E., Note sur une équation aux différences finies. *J. Math. Pures Appl.* **3** (1838), 508–516. PPS
- Catlin P.A., A bound on the chromatic number of a graph. *Discrete Math.* **22** (1978), 81–83. PPS
- Catlin P.A., Hajós' graph-coloring conjecture: variations and counterexamples. *J. Combin. Th. B* **26** (1979), 268–274. PPS
- Cayley A., A theorem on trees. *Quart. J. Math.* **23** (1889), 376–378. PPS
- Chaiken S. and D.J. Kleitman, Matrix tree theorems. *J. Combin. Th. A* **24** (1978), 377–381. PPS
- Chandrasekharan K., *Arithmetical functions, Die Grundlehren der mathematischen Wissenschaften, Band 167* (Springer-Verlag, 1970). PPS
- Chang W.I. and E.L. Lawler, Edge coloring of hypergraphs and a conjecture of Erdős, Faber, Lovász. *Combinatorica* **8** (1988), 293–295. PPS
- Chappell G.G., Polysaturated posets and graphs and the Greene-Kleitman theorem. *Discrete Math.* **257** (2002), 329–340. PPS
- Charalambides C.A., *Enumerative combinatorics, CRC Press Series on Discrete Mathematics and its Applications* (Chapman & Hall/CRC, 2002). PPS
- Chartrand G., D. Geller, and S. Hedetniemi, Graphs with forbidden subgraphs. *J. Combinatorial Theory B* **10** (1971), 12–41. PPS
- Chartrand G. and F. Harary, Graphs with prescribed connectivities. In *Theory of Graphs (Tihany, 1966)* (P. Erdős and G. Katona, eds.) (Academic Press, 1968), 61–63. PPS
- Chartrand G., S.F. Kapoor, L.M. Lesniak, and S. Schuster, Near 1-factors in graphs. In *Proc. 2nd West Coast Conf. Combin. Graph Th. Comput. (Eugene, OR, 1983), Congr. Numer.* **41** (1984), 131–147. PPS
- Chartrand G. and H.V. Kronk, The point-arboricity of planar graphs. *J. London Math. Soc.* **44** (1969), 612–616. PPS
- Chartrand G. and L.M. Lesniak, *Graphs and Digraphs* (2nd ed.) (Wadsworth, 1986). Also 1996, 2005, 2011. PPS
- Chartrand G., A.D. Polimeni, and M.J. Stewart, The existence of 1-factors in line graphs, squares, and total graphs. *Indagationes Math.* **35** (1973), 228–232. PPS
- Chein M., Graphe régulièrement décomposable. *Rev. Française Info. Rech. Opér.* **2** (1968), 27–42. PPS
- Chen G., R.J. Gould, and X. Yu, Graph connectivity after path removal. *Combinatorica* **23** (2003), 185–203. PPS
- Chen G., R.H. Schelp, and B. Wei, Monochromatic-rainbow Ramsey numbers (2001). Presented 14th Cumberland Conference. PPS
- Cherkashin D.D. and J. Kozik, A note on random greedy coloring of uniform hypergraphs. *Random Structures Algorithms* **47** (2015), 407–413. PPS
- Chernoff H., A measure of asymptotic efficiency for tests of a hypothesis based on the sum of observations. *Ann. Math. Statistics* **23** (1952), 493–507. PPS
- Chetwynd A.G. and A.J.W. Hilton, Star multigraphs with three vertices of maximum degree. *Math. Proc. Cambridge Math. Soc.* **100** (1986), 303–317. PPS
- Chetwynd A.G. and A.J.W. Hilton, 1-factorizing regular graphs of high degree—an improved bound. In *Graph Theory and Combinatorics (Cambridge, 1988), Discrete Math.* **75** (1989), 103–112. PPS
- Chevalley C., Démonstration d'une hypothèse de M. Artin. *Abh. Math. Sem. Univ. Hamburg* **11** (1935), 73–75. PPS
- Chevalley H. and E. Warning, Bemerkung zur vorstehenden Arbeit. *Abh. Math. Sem. Univ. Hamburg* **11** (1935), 76–83. PPS
- Chiue W.S. and B.S. Shieh, On connectivity of the Cartesian product of two graphs. *Appl. Math. Comput.* **102** (1999), 129–137. PPS
- Choi J.O., L. Özkahya, and D.B. West, Degree-splittability of multigraphs and caterpillars. In *Proc. 41st Southeastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton), Congr. Numer.* **202** (2010), 137–147. PPS
- Chow T., A short proof of the rook reciprocity theorem. *Electron. J. Combin.* **3** (1996), R10. PPS

- Chow T., Problem 11523. *Amer. Math. Monthly* **117** (2010), 741. Solution **119** (2012), 801. PPS
- Chowla S. and H.J. Ryser, Combinatorial problems. *Canadian J. Math.* **2** (1950), 93–99. PPS
- Chudnovsky M., N. Robertson, P.D. Seymour, and R. Thomas, The strong perfect graph theorem. *Ann. of Math. (2)* **164** (2006), 51–229. PPS
- Chung F.R.K., On partitions of graphs into trees. *Discrete Math.* **23** (1978a), 23–30. PPS
- Chung F.R.K., On concentrators, superconcentrators, generalizers and nonblocking networks. *Bell Syst. Tech. J.* (1978b), 1765–1777. PPS
- Chung F.R.K., *Spectral graph theory*, CBMS Conf. Series **92** (Amer. Math. Soc., 1997). PPS
- Chung F.R.K. and R.L. Graham, On multicolor Ramsey numbers for complete bipartite graphs. *J. Combin. Th. B* **18** (1975), 164–169. PPS
- Chung F.R.K. and R.L. Graham, *Erdős on graphs* (A K Peters, 1998). PPS
- Chung F.R.K. and C.M. Grinstead, A survey of bounds for classical Ramsey numbers. *J. Graph Th.* **7** (1983), 25–37. PPS
- Chung F.R.K. and L. Lu, An upper bound for the Turán number  $t_3(n, 4)$ . *J. Combin. Theory A* **87** (1999), 381–389. PPS
- Chung K.L. and W. Feller, On fluctuations in coin-tossing. *Proc. Nat. Acad. Sci. U. S. A.* **35** (1949), 605–608. PPS
- Chung M.S. and D.B. West, Large  $P_4$ -free graphs with bounded degree. *J. Graph Th.* **17** (1993), 109–116. PPS
- Chvátal V., Planarity of graphs with given degrees of vertices. *Nieuw Arch. Wisk. (3)* **17** (1969), 47–60. PPS
- Chvátal V., The smallest triangle-free 4-chromatic 4-regular graph. *J. Combin. Th.* **9** (1970), 93–94. PPS
- Chvátal V., On Hamilton's ideals. *J. Combin. Th. B* **12** (1972), 163–168. PPS
- Chvátal V., Tough graphs and Hamiltonian circuits. *Discrete Math.* **2** (1973), 215–223. PPS
- Chvátal V., Intersecting families of edges in hypergraphs having the hereditary property. In *Hypergraph Seminar (Proc. First Working Sem., Ohio State Univ., 1972; dedicated to Arnold Ross)*, Lecture Notes in Math. **411** (Springer, 1974), 61–66. PPS
- Chvátal V., A combinatorial theorem in plane geometry. *J. Combin. Th. B* **18** (1975), 39–41. PPS
- Chvátal V., Tree-complete graph Ramsey numbers. *J. Graph Th.* **1** (1977), 93. PPS
- Chvátal V., Star-cutsets and perfect graphs. *J. Combin. Th. B* **39** (1985b), 138–154. PPS
- Chvátal V. and P. Erdős, A note on Hamiltonian circuits. *Discrete Math.* **2** (1972), 111–113. PPS
- Chvátal V. and F. Harary, Generalized Ramsey theory for graphs, III. Small Off-diagonal Numbers. *Pac. J. Math.* **41** (1972), 335–345. PPS
- Chvátal V. and F. Harary, Generalized Ramsey theory for graphs, I. Diagonal numbers. *Period. Math. Hungar.* **3** (1973), 115–124. PPS
- Chvátal V. and J. Komlós, Some combinatorial theorems on monotonicity. *Canad. Math. Bull.* **14** (1971), 151–157. PPS
- Chvátal V. and L. Lovász, Every directed graph has a semi-kernel. In *Hypergraph Seminar (Columbus, 1972)*, Lect. Notes Math. **411** (Springer, 1974), 175. PPS
- Chvátal V., V. Rödl, E. Szemerédi, and W.T. Trotter, Jr., The Ramsey numbers of a graph with bounded maximum degree. *J. Combin. Th. B* **34** (1983), 239–243. PPS
- Chvátalová J., Optimal labelling of a product of two paths. *Discrete Math.* **11** (1975), 249–253. PPS
- Cigler J., Some remarks on Catalan families. *European J. Combin.* **8** (1987), 261–267. PPS
- Clapham C.R.J., Hamiltonian arcs in self-complementary graphs. *Discrete Math.* **8** (1974), 251–255. PPS
- Clark D.S. and J.T. Lewis, Avoiding-sequences with minimum sum. *Discrete Appl. Math.* **22** (1989), 103–108. PPS
- Clark D.S. and J.T. Lewis, Circular avoiding sequences with prescribed sum. *Discrete Appl. Math.* **43** (1993), 27–36. PPS
- Clark L.H., J.C. George, and T.D. Porter, On the number of 1-factors in the  $n$ -cube. In *Proc. 28th Southeastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton)*, Congr. Numer. **127** (1997), 67–69. PPS
- Clark P.L., The Combinatorial Nullstellensätze revisited. *Electron. J. Combin.* **21** (2014), Paper 4.15, 17. PPS
- Clements G.F., A minimization problem concerning subsets of a finite set. *Discrete Math.* **4** (1973), 123–128. PPS
- Clements G.F. and B. Lindström, A generalization of a combinatorial theorem of Macaulay. *J. Combinatorial Theory* **7** (1969), 230–238. PPS
- Cohen N. and F. Havet, Planar graphs with maximum degree  $\Delta \geq 9$  are  $(\Delta + 1)$ -edge-choosable—a short proof. *Discrete Math.* **310** (2010), 3049–3051. PPS
- Cohen-Addad V., M. Hebdige, D. Král, Z. Li, and E. Salgado, Steinberg's conjecture is false. *J. Combin. Th. B* **122** (2017), 452–456. PPS
- Colbourn C.J. and J.H. Dinitz (eds.), *The CRC handbook of combinatorial designs*, CRC Press Series on Discr. Math. Appl. (CRC Press, 1996). PPS
- Colbourn C.J. and J.H. Dinitz, Making the MOLS table. In *Computational and constructive design theory*, Math. Appl. **368** (Kluwer Acad. Publ., 1996), 67–134. PPS
- Colbourn C.J. and J.H. Dinitz (eds.), *Handbook of combinatorial designs (2nd ed.)*, Discr. Math. Appl. (Boca Raton) (Chapman & Hall/CRC, 2007). PPS
- Colbourn C.J. and A. Rosa, *Triple systems*, Oxford Mathematical Monographs (Clarendon Press, 1999). PPS
- Coleman M., An answer to a question by Wilf on packing distinct patterns in a permutation. *Electron. J. Combin.* **11** (2004), Note 8, 4 pp. PPS

- Comtet L., *Analyse combinatoire. Tomes I, II, Collection SUP: "Le Mathématicien", 4 5* (Presses Universitaires de France, 1970). PPS
- Comtet L., *Advanced combinatorics* (D. Reidel Publishing Co., 1974). PPS
- Conlon D., A new upper bound for diagonal Ramsey numbers. *Ann. of Math. (2)* **170** (2009), 941–960. PPS
- Conlon D. and J. Fox, Graph removal lemmas. In *Surveys in combinatorics 2013, London Math. Soc. Lecture Note Ser. 409* (Cambridge Univ. Press, 2013), 1–49. PPS
- Conlon D., J. Fox, and B. Sudakov, Hypergraph Ramsey numbers. *J. Amer. Math. Soc.* **23** (2010), 247–266. PPS
- Conlon D., J. Fox, and B. Sudakov, Cycle packing. *Random Structures Algorithms* **45** (2014), 608–626. PPS
- Conlon D., J. Fox, and B. Sudakov, Recent developments in graph Ramsey theory. In *Surveys in combinatorics 2015, London Math. Soc. Lecture Note Ser. 424* (Cambridge Univ. Press, 2015), 49–118. PPS
- Cook S., The complexity of theorem proving procedures. In *Proc. 3rd ACM Symposium on Theory of Computing* (1971), 151–158. PPS
- Cox D.A. and U. Thieu, Problem 11862. *Amer. Math. Monthly* **122** (2015), 802. Solution **123** (2016). PPS
- Cranston D.W., Edge-choosability and total-choosability of planar graphs with no adjacent 3-cycles. *Discuss. Math. Graph Theory* **29** (2009), 163–178. PPS
- Cranston D.W., R. Eрман, and R. Škrekovski, Choosability of the square of a planar graph with maximum degree four. *Australas. J. Combin.* **59** (2014), 86–97. PPS
- Cranston D.W., S. Jahanbekam, and D.B. West, The 1, 2, 3-conjecture and 1, 2-conjecture for sparse graphs. *Discuss. Math. Graph Theory* **34** (2014), 769–799. PPS
- Cranston D.W. and S.J. Kim, List-coloring the square of a subcubic graph. *J. Graph Theory* **57** (2008), 65–87. PPS
- Cranston D.W., S.J. Kim, and G. Yu, Injective colorings of sparse graphs. *Discrete Math.* **310** (2010), 2965–2973. PPS
- Cranston D.W. and D.B. West, Problem 11712. *Amer. Math. Monthly* **120** (2013), 569. Solution **122** (2015), 505–506. PPS
- Cranston D.W. and D.B. West, An introduction to the discharging method via graph coloring. *Discrete Math.* **340** (2017), 766–793. PPS
- Cranston D.W. and G. Yu, Linear choosability of sparse graphs. *Discrete Math.* **311** (2011), 1910–1917. PPS
- Crapo H.H. and G.C. Rota, *On the Foundations of Combinatorial Theory: Combinatorial Geometries* (M.I.T. Press, 1970). PPS
- Cruse A.B., A note on  $i$ -factors in certain regular multigraphs. *Discrete Math.* **18** (1977), 213–216. PPS
- Cull P., Tours of graphs, digraphs, and sequential machines. *IEEE Trans. Comp.* **C29** (1980), 50–54. PPS
- Cull P. and E.F. Ecklund, On the Towers of Hanoi and generalized Towers of Hanoi problems. In *Proc 13th Southeastern Intl. Conf. Combin. Graph Th. comput. (Boca Raton), Congr. Numer.* **35** (1982), 229–238. PPS
- Curran S., O. Lee, and X. Yu, Finding four independent trees. *SIAM J. Comput.* **35** (2006), 1023–1058. PPS
- Curran S.J. and J.A. Gallian, Hamiltonian cycles and paths in Cayley graphs and digraphs—a survey. *Discrete Math.* **156** (1996), 1–18. PPS
- Cvetković D.M., M. Doob, and H. Sachs, *Spectra of graphs: Theory and applications, Pure and Applied Mathematics 87* (Academic Press, 1979). Also 1982, 1995. PPS
- Czipzer J., Solution to problem 127 (Hungarian). *Mat. Lapok* **14** (1963), 373–374. PPS
- da Silva I.P. and Y.O. Hamidoune, Cyclic spaces for grassman derivatives and additive theory. *Bull. london Math. Soc.* **26** (1994), 140–146. PPS
- Dályay P.P., Problem 11631. *Amer. Math. Monthly* **119** (2012), 247–248. Solution **121** (2014), 367. PPS
- Dályay P.P., Problem 11897. *Amer. Math. Monthly* **123** (2016), 297. Solution **125** (2018), 86. PPS
- Damerell R.M., On Moore graphs. *Proc. Cambridge Philos. Soc.* **74** (1973), 227–236. PPS
- David K., Solution to problem 11144. *Amer. Math. Monthly* **114** (2007), 262–264. Proposed **112** (2005), 274. PPS
- Daykin D.E., Erdős-Ko-Rado from Kruskal-Katona. *J. Combin. Th. A* **17** (1974), 254–255. PPS
- Daykin D.E., A simple proof of the Kruskal-Katona theorem. *J. Combin. Th. A* **17** (1974), 252–253. PPS
- Daykin D.E., A lattice is distributive if and only if  $|A| |B| \leq |A \vee B| |A \wedge B|$ . *Nanta Math.* **10** (1977), 58–60. PPS
- Daykin D.E., J. Godfrey, and A.J.W. Hilton, Existence theorems for Sperner families. *J. Combinatorial Theory A* **17** (1974), 245–251. PPS
- Daykin D.E., A.J.W. Hilton, and D. Miklós, Pairings from down-sets and up-sets in distributive lattices. *J. Combin. Th. A* **34** (1983), 215–230. PPS
- Daykin D.E., D.J. Kleitman, and D.B. West, The number of meets between two subsets of a lattice. *J. Combin. Th. A* **26** (1979), 135–156. PPS
- Daykin D.E. and L. Lovász, The number of values of a Boolean function. *J. London Math. Soc. (2)* **12** (1976), 225–230. PPS
- de Bruijn N.G., A combinatorial problem. *Nederl. Akad. Wetensch., Proc.* **49** (1946), 758–764; *Indagationes Math.* **8**, 461–467 (1946). PPS
- de Bruijn N.G. and P. Erdős, A colour problem for infinite graphs and a problem in the theory of relations. *Nederl. Akad. Wetensch. Proc. A.* **54** = *Indagationes Math.* **13** (1951), 369–373. PPS
- de Bruijn N.G., E. van Tengbergen, and D. Kruyswijk, On the set of divisors of a number. *Nieuw Arch. Wisk. (2)* **23** (1951), 191–193. PPS
- de Fraysseix H., J. Pach, and R. Pollack, How to draw a planar graph on a grid. *Combinatorica* **10** (1990), 41–51. PPS

- de Moivre A., *The Doctrine of Chances* (Pearson, 1718). PPS
- de Moivre A., *Miscellanea Analytica* (London, 1730). PPS
- de Werra D., Equitable colorations of graphs. *Rev. Française Informat. Recherche Opérationnelle* **5** (1971), 3–8. PPS
- Dean A.M. and R.B. Richter, The crossing number of  $C_4 \times C_4$ . *J. Graph Theory* **19** (1995), 125–129. PPS
- Dean N., *Contractible Edges and Conjectures about Path and Cycle Numbers* (ProQuest, 1987). Ph.D. Thesis, Vanderbilt University. PPS
- Dean R.A. and G. Keller, Natural partial orders. *Canad. J. Math.* **20** (1968), 535–554. PPS
- DeBiasio L. and A. Lo, Spanning trees with few branch vertices (2017). (arXiv:1709.04937) PPS
- Dekster B.V., The Borsuk conjecture holds for bodies of revolution. *J. Geom.* **52** (1995), 64–73. PPS
- Delannoy H., Emploi de l'échiquier pour la résolution de divers problèmes de probabilité. *Assoc. Franç. Paris* **18** (1889), 43–52. PPS
- Demoucron G., Y. Malgrange, and R. Pertuiset, Graphes planaires: reconnaissance et construction des représentations planaires topologiques. *Rev. Française Recherche Opérationnelle* **8** (1964), 33–47. PPS
- Dénes J. and A.D. Keedwell, *Latin squares and their applications* (Acad. Press, 1974). PPS
- Dénes J. and A.D. Keedwell, *Latin squares, Annals of Discrete Mathematics* **46** (North-Holland, 1991). PPS
- Derbyshire J., *Prime obsession* (Joseph Henry Press, 2003). PPS
- DeSario R., Problem 10931. *Amer. Math. Monthly* **109** (2002), 298. Solution **111** (2004), 169–170. PPS
- Descartes B., A three colour problem. *Eureka* (1947). Solution 1948. PPS
- Deshpande B. and M.N. Deshpande, Problem 11350. *Amer. Math. Monthly* **115** (2008), 262. Solution **117** (2010), 89. PPS
- Deshpande B. and M.N. Deshpande, Problem 11500. *Amer. Math. Monthly* **117** (2010), 371. Solution **119** (2012), 348. PPS
- Deshpande M.N. and K. Laghate, Problem 11042. *Amer. Math. Monthly* **110** (2003), 843–842. Solution **112** (2005), 574. PPS
- Deshpande M.N. and R.M. Welukar, Problem 11033. *Amer. Math. Monthly* **110** (2003), 742. Solution **112** (2005), 470–472. PPS
- DeTemple D. and J.M. Robertson, The equivalence of Euler's and Pick's theorems. *Math. Teacher* **67** (1974), 222–226. PPS
- Deuber W., Partitionen und lineare Gleichungssysteme. *Math. Z.* **133** (1973), 109–123. PPS
- Deutsch E., A bijection on dyck paths and its consequences. *Discrete Math.* **179** (1998), 253–256. PPS
- Deutsch E., Problem 10649. *Amer. Math. Monthly* **105** (1998a), 271. Solution **107** (2000), 279–280. PPS
- Deutsch E., Problem 10751. *Amer. Math. Monthly* **106** (1999), 686. Solution **108** (2001), 872–873. PPS
- Deutsch E., Problem 10795. *Amer. Math. Monthly* **107** (2000), 367. Solution **108** (2001), 980. PPS
- Deutsch E., Problem 10877. *Amer. Math. Monthly* **108** (2001), 470. Solution **110** (2003), 245–246. PPS
- Deutsch E., Problem 10902. *Amer. Math. Monthly* **108** (2001a), 871. Solution **110** (2003), 639–640. PPS
- Deutsch E., Problem 11108. *Amer. Math. Monthly* **111** (2004), 725. Solution **113** (2006), 466–467. PPS
- Deutsch E., Problem 11071. *Amer. Math. Monthly* **111** (2004a), 259. Solution **113** (2006), 460–461. PPS
- Deutsch E., Problem 11150. *Amer. Math. Monthly* **112** (2005), 367. Solution **114** (2007), 264–265. PPS
- Deutsch E., Problem 11237. *Amer. Math. Monthly* **113** (2006), 655. Solution **115** (2008), 666–667. PPS
- Deutsch E., Problem 11373. *Amer. Math. Monthly* **115** (2008), 568. Solution **117** (2010), 462. PPS
- Deutsch E., Problem 11424. *Amer. Math. Monthly* **116** (2009), 277. Solution **118** (2011), 376. PPS
- Deza M. and P. Frankl, Problem. In *Combinatorics (1976), Coll. Math. Soc. J. Bolyai* **18** (North-Holland, 1978), 1193. PPS
- Deza M., P. Frankl, and N.M. Singhi, On functions of strength  $t$ . *Combinatorica* **3** (1983), 331–339. PPS
- Díaz-Barrero J.L., Problem 11164. *Amer. Math. Monthly* **112** (2005), 568. Solution **114** (2007), 364–365. PPS
- Dickson L.E., *College Algebra* (Wiley & Sons, 1902). PPS
- Dickson L.E., Lower limit for the number of sets of solutions of  $x^e + y^e + z^e \equiv 0 \pmod{p}$ . *J. Reine Angew. Math.* **135** (1909), 181–188. PPS
- Diestel R., *Graph theory, Graduate Texts in Mathematics* **173** (Springer-Verlag, 1996). Also 2000, 2006, 2010, 2016. PPS
- Dijkstra E.W., A note on two problems in connexion with graphs. *Numer. Math.* **1** (1959), 269–271. PPS
- Dilworth R.P., A decomposition theorem for partially ordered sets. *Ann. of Math. (2)* **51** (1950), 161–166. PPS
- Dilworth R.P., Some combinatorial problems on partially ordered sets. In *Proc. Sympos. Appl. Math., Vol. 10* (Amer. Math. Soc., 1960), 85–90. PPS
- Dinitz J.H., New lower bounds for the number of pairwise orthogonal symmetric Latin squares. In *Proc. 10th South-eastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton)*, **23/24** (Utilitas Math., 1979), 393–398. PPS
- Dinitz J.H. and D.R. Stinson, A brief introduction to design theory. In *Contemporary design theory, Wiley-Intersci. Ser. Discrete Math. Optim.* (Wiley, 1992), 1–12. PPS
- Dirac G.A., *On the Colouring of Graphs: Combinatorial topology of Linear Complexes* (Univ. London, 1951). Ph.D. Thesis. PPS
- Dirac G.A., A property of 4-chromatic graphs and some remarks on critical graphs. *J. London Math. Soc.* **27** (1952a), 85–92. PPS
- Dirac G.A., Some theorems on abstract graphs. *Proc. London Math. Soc. (3)* **2** (1952b), 69–81. PPS

- Dirac G.A., The structure of  $k$ -chromatic graphs. *Fund. Math.* **40** (1953), 42–55. PPS
- Dirac G.A., A theorem of R. L. Brooks and a conjecture of H. Hadwiger. *Proc. London Math. Soc. (3)* **7** (1957), 161–195. PPS
- Dirac G.A., In abstrakten Graphen vorhandene vollständige 4-graphen und ihre Unterteilungen. *Math. Nachr.* **22** (1960), 61–85. PPS
- Dirac G.A., On rigid circuit graphs. *Abh. Math. Sem. Univ. Hamburg* **25** (1961), 71–76. PPS
- Dirac G.A., Extension of Turán’s theorem on graphs. *Acta Math. Acad. Sci. Hungar* **14** (1963), 417–422. PPS
- Dirac G.A., Homomorphism theorems for graphs. *Math. Ann.* **153** (1964), 69–80. PPS
- Dirac G.A., Minimally 2-connected graphs. *J. Reine Angew. Math.* **228** (1967), 204–216. PPS
- Dirac G.A., B.A. Sørensen, and B. Toft, An extremal result for graphs with an application to their colourings. *J. Reine Angew. Math.* **268/269** (1974), 216–221. PPS
- Djidjev H.N., A linear algorithm for partitioning graphs. *C. R. Acad. Bulgare Sci.* **35** (1982), 1053–1056. PPS
- Djidjev H.N., On the constants of separator theorems. *C. R. Acad. Bulgare Sci.* **40** (1987), 31–34. PPS
- Djidjev H.N., Weighted graph separators and their applications. In *Algorithms—ESA ’97 (Graz), Lect. Notes Comp. Sci.* **1284** (Springer, 1997), 130–143. PPS
- Djidjev H.N. and S.M. Venkatesan, Reduced constants for simple cycle graph separation. *Acta Inform.* **34** (1997), 231–243. PPS
- Djokovic D., Problem E3465. *Amer. Math. Monthly* **98** (1991), 852. Solution **100** (1993), 800. PPS
- Dmitriev I.G., Weakly cyclic graphs with integral chromatic spectra. *Metody Diskret. Analiz.* (1980), 3–7, 100. PPS
- Dobiński G., Summierung der Reihe  $\sum \frac{n^m}{m!}$  für  $m = 1, 2, 3, 4, 5, \dots$ . *Grunert’s Archiv* **61** (1877), 333–336. PPS
- Dodgson C.L., Condensation of determinants. *Proc. Roy. Soc. A* **15** (1866), 150–155. PPS
- Dol’nikov V.L., Transversals of families of sets. In *Studies in the theory of functions of several real variables (Russian)* (Yaroslav. Gos. Univ., 1981), 30–36, 109. PPS
- Došlić T. and D. Rautenbach, Factor-critical graphs with the minimum number of near-perfect matchings. *Discrete Math.* **338** (2015), 2318–2319. PPS
- Doster D., Problem E3391. *Amer. Math. Monthly* **97** (1990), 528. Solution **98** (1991), 860–861. PPS
- Doster D., Problem I0403. *Amer. Math. Monthly* **101** (1994), 792. Solution **104** (1997), 368. PPS
- Doubilet P., G.C. Rota, and R.P. Stanley, On the foundations of combinatorial theory. VI. The idea of generating function. In *Proceedings of the Sixth Berkeley Symposium on Mathematical Statistics and Probability (Univ. California, Berkeley, Calif., 1970/1971), Vol. II: Probability theory* (Univ. California Press, 1972), 267–318. PPS
- Dubhashi D.P. and A. Panconesi, *Concentration of measure for the analysis of randomized algorithms* (Cambridge Univ. Press, 2009). PPS
- Dudek A. and P. Prałat, An alternative proof of the linearity of the size-Ramsey number of paths. *Combin. Probab. Comput.* **24** (2015), 551–555. PPS
- Dudek A. and J.R. Schmitt, On the size and structure of graphs with a constant number of 1-factors. *Discrete Math.* **312** (2012), 1807–1811. PPS
- Dushnik B., Concerning a certain set of arrangements. *Proc. Amer. Math. Soc.* **1** (1950), 788–796. PPS
- Dushnik B. and E.W. Miller, Partially ordered sets. *Amer. J. Math.* **63** (1941), 600–610. PPS
- Dvir Z., On the size of Kakeya sets in finite fields (to appear). PPS
- Dvořák Z., K.I. Kawarabayashi, and R. Thomas, Three-coloring triangle-free planar graphs in linear time. *ACM Trans. Algorithms* **7** (2011), Art. 41, 14. PPS
- Dvoretzky A. and T.S. Motzkin, A problem of arrangements. *Duke Math. J.* **14** (1947), 305–313. PPS
- Dvořák Z. and L. Postle, Correspondence coloring and its application to list-coloring planar graphs without cycles of lengths 4 to 8. *J. Combin. Th. B* **129** (2018), 38–54. PPS
- Dzhumadilidaeva A.A., Problem 11406. *Amer. Math. Monthly* **116** (2009), 82. Solution **117** (2010), 935. PPS
- Dziobek O., Eine Formel der Substitutionstheorie. *Sitzungsber. Berl. Math. G.* **17** (1917), 64–67. PPS
- Eaton N., Ramsey numbers for sparse graphs. *Discrete Math.* **185** (1998), 63–75. PPS
- Eaton N. and D.A. Grable, Set intersection representations for almost all graphs. *J. Graph Theory* **23** (1996), 309–320. PPS
- Eckhoff J. and G. Wegner, Über einen Satz von Kruskal. *Period. Math. Hungar.* **6** (1975), 137–142. PPS
- Edelman P. and C. Greene, Balanced tableaux. *Adv. in Math.* **63** (1987), 42–99. PPS
- Edmonds J., Existence of  $k$ -edge connected ordinary graphs with prescribed degrees. *J. Res. Nat. Bur. Standards Sect. B* **68B** (1964), 73–74. PPS
- Edmonds J., Maximum matchings and a polyhedron with 0,1-vertices. *J. Res. Nat. Bur. Standards* **69B** (1965), 125–130. PPS
- Edmonds J., Lehman’s switching game and a theorem of Tutte and Nash-Williams. *J. Res. Nat. Bur. Standards Sect. B* **69B** (1965a), 73–77. PPS
- Edmonds J., Minimum partition of a matroid into independent subsets. *J. Res. Nat. Bur. Standards Sect. B* **69B** (1965b), 67–72. PPS
- Edmonds J., Paths, trees, and flowers. *Canad. J. Math.* **17** (1965c), 449–467. PPS
- Edmonds J., Submodular functions, matroids and certain polyhedra. In *Combinatorial Structures and Their Applications (Calgary, 1969)* (Gordon and Breach, 1970), 69–87. PPS

- Edmonds J., Matroid intersection. In *Discrete Optimization I* (P.L. Hammer, E.L. Johnson, and B.H. Korte, eds.), *Ann. Discrete Math.* **4** (1979), 39–49. PPS
- Edmonds J. and D.R. Fulkerson, Transversals and matroid partition. *J. Res. Nat. Bur. Standards Sect. B* **69B** (1965), 147–153. PPS
- Eğecioğlu Ö. and J.B. Remmel, Bijections for Cayley trees, spanning trees, and their  $q$ -analogues. *J. Combin. Th. A* **42** (1986), 15–30. PPS
- Egerváry E., On combinatorial properties of matrices (Hungarian with German summary). *Mat. Lapok* **38** (1931), 16–28. PPS
- Eggleston H.G., Covering a three-dimensional set with sets of smaller diameter. *J. London Math. Soc.* **30** (1955), 11–24. PPS
- Eggleton R.B., Graphical sequences and graphical polynomials: a report (1975), 385–392. Colloq. Math. Soc. János Bolyai, Vol. 10. PPS
- Egorichev G.P., The solution of van der Waerden’s problem for permanents. *Adv. in Math.* **42** (1981), 299–305. PPS
- Eitner P.G., The bandwidth of the complete multipartite graph (1979). Presentation at Toledo Symposium on Applications of Graph Theory. PPS
- Eliahou S. and M. Kervaire, Sumsets in vector spaces over finite fields. *J. Number Theory* **71** (1998), 12–39. PPS
- Elkies N., G. Kuperberg, M. Larsen, and J.G. Propp, Alternating-sign matrices and domino tilings. I. *J. Algebraic Combin.* **1** (1992), 111–132. PPS
- Ellingham M. and P. Salehi Nowbandegani, The Chvátal–Erdős condition for prism-Hamiltonicity (2018). Unpublished preprint. PPS
- Ellingham M.N., Spanning paths, cycles, trees and walks for graphs on surfaces. *Congr. Numer.* **115** (1996), 55–90. PPS
- Ellingham M.N. and J.D. Horton, Non-Hamiltonian 3-connected cubic bipartite graphs. *J. Combin. Th. B* **34** (1983), 350–353. PPS
- Enchev O., Problem 10390. *Amer. Math. Monthly* **101** (1994), 574. Solution **104** (1997), 367–368. PPS
- Engel K., *Sperner theory, Encyclopedia of Mathematics and its Applications* **65** (Cambridge Univ. Press, 1997). PPS
- Enomoto H., B. Jackson, P. Katerinis, and A. Saito, Toughness and the existence of  $k$ -factors. *J. Graph Th.* **9** (1985), 87–95. PPS
- Enomoto H., K. Ohba, K. Ota, and J. Sakamoto, Choice number of some complete multi-partite graphs. *Discrete Math.* **244** (2002), 55–66. PPS
- Enomoto H. and B. Péroche, The linear arboricity of some regular graphs. *J. Graph Theory* **8** (1984), 309–324. PPS
- Entringer R.C., A short proof of Rubin’s block theorem. In *Cycles in graphs (Burnaby, B.C., 1982)*, North-Holland *Math. Stud.* **115** (North-Holland, 1985), 367–368. PPS
- Entringer R.C. and E.F. Schmeichel, Edge conditions and cycle structure in bipartite graphs. *Ars Combin.* **26** (1988), 229–232. PPS
- Erdélyi A. and I.M.H. Etherington, Some problems of non-associative combinations. II. *Edinburgh Math. Notes* **1941** (1941), 7–12. PPS
- Erdős P., Problem 3739. *Amer. Math. Monthly* **42** (1935), 396. Solution **44** (1937), 120. PPS
- Erdős P., Integral distances. *Bull. Amer. Math. Soc.* **51** (1945), 996. PPS
- Erdős P., On a lemma of Littlewood and Offord. *Bull. Amer. Math. Soc.* **51** (1945), 898–902. PPS
- Erdős P., On sets of distances of  $n$  points. *Amer. Math. Monthly* **53** (1946), 248–250. PPS
- Erdős P., Some remarks on the theory of graphs. *Bull. Amer. Math. Soc.* **53** (1947), 292–294. PPS
- Erdős P., Some remarks on set theory. *Proc. Amer. Math. Soc.* **1** (1950), 127–141. PPS
- Erdős P., Some theorems on graphs. *Riveon Lematematika* **9** (1955), 13–17. PPS
- Erdős P., Graph theory and probability. *Can. J. Math.* **11** (1959), 34–38. PPS
- Erdős P., Graph theory and probability, II. *Canad. J. Math.* **13** (1961), 346–352. PPS
- Erdős P., On the number of complete subgraphs contained in certain graphs. *Magyar Tud. Akad. Mat. Kutató Int. Közl.* **7** (1962), 459–464. PPS
- Erdős P., Remarks on a paper of Pósa. *Magyar Tud. Akad. Mat. Kut. Int. Közl.* **7** (1962a), 227–229. PPS
- Erdős P., On a combinatorial problem. *Nord. Mat. Tidskr.* **11** (1963), 5–10. PPS
- Erdős P., Extremal problems in graph theory. In *Theory of Graphs and Its Applications* (Academic Press, 1964), 29–36. PPS
- Erdős P., Problem 2. In *Theory of Graphs (Tihany, 1966)* (P. Erdos and G. Katona, eds.) (Academic Press, 1968). PPS
- Erdős P., On the graph theorem of Turán. *Mat. Lapok* **21** (1970), 249–251 (1971). PPS
- Erdős P., Problems and results on finite and infinite combinatorial analysis. In *Infinite and finite sets (Colloq., Keszthely, 1973; dedicated to P. Erdős on his 60th birthday)* **1** (North-Holland, 1975), 403–424. Colloq. Math. Soc. János Bolyai, Vol. 10. PPS
- Erdős P., Problems and results in graph theory and combinatorial analysis. In *Proceedings of the Fifth British Combinatorial Conference (Aberdeen, 1975)*, *Congr. Numer.* **15** (Utilitas Math., 1976), 169–192. PPS
- Erdős P., Problem E3255. *Amer. Math. Monthly* **95** (1988), 259. Solution **97** (1990), 848–849. PPS

- Erdős P., Problem E3284. *Amer. Math. Monthly* **95** (1988), 762. Solution **97** (1990), 248–249. PPS
- Erdős P., Some of my favourite unsolved problems. In *A tribute to Paul Erdős* (Cambridge Univ. Press, 1990), 467–478. PPS
- Erdős P. and S. Fajtlowicz, On the conjecture of Hajós. *Combinatorica* **1** (1981), 141–143. PPS
- Erdős P., R.J. Faudree, C.C. Rousseau, and R.H. Schelp, The size Ramsey number. *Period. Math. Hungar.* **9** (1978), 145–161. PPS
- Erdős P., Z. Füredi, R.J. Gould, and D.S. Gunderson, Extremal graphs for intersecting triangles. *J. Combin. Th. B* **64** (1995), 89–100. PPS
- Erdős P. and T. Gallai, On maximal paths and circuits of graphs. *Acta Math. Acad. Sci. Hung.* **10** (1959), 337–356. PPS
- Erdős P. and T. Gallai, Graphs with prescribed degrees of vertices (Hungarian). *Mat. Lapok* **11** (1960), 264–274. PPS
- Erdős P. and T. Gallai, On the minimal number of vertices representing the edges of a graph. *Publ. Math. Inst. Hung. Acad. Sci.* **6** (1961), 181–203. PPS
- Erdős P., A. Ginzburg, and A. Ziv, Theorem in the additive number theory. *Bull. Res. Council Israel* **10** (1961). PPS
- Erdős P., A.W. Goodman, and L. Pósa, The representation of graphs by set intersections. *Canad. J. Math.* **18** (1966), 106–112. PPS
- Erdős P., R.L. Graham, and E. Szemerédi, On sparse graphs with dense long paths. In *Computers and mathematics with applications* (Pergamon, 1976), 365–369. PPS
- Erdős P. and R.K. Guy, Crossing number problems. *Amer. Math. Monthly* **80** (1973), 52–58. PPS
- Erdős P. and A. Gyárfás, A variant of the classical Ramsey problem. *Combinatorica* **17** (1997), 459–467. PPS
- Erdős P. and A. Hajnal, On chromatic numbers of graphs and set systems. *Acta Math. Acad. Sci. Hung.* **17** (1966), 61–99. PPS
- Erdős P., A. Hajnal, and J.W. Moon, A problem in graph theory. *Amer. Math. Monthly* **71** (1964), 1107–1110. PPS
- Erdős P. and H. Heilbronn, On the addition of residue classes mod  $p$ . *Acta Arith.* **9** (1964), 149–159. PPS
- Erdős P., M. Herzog, and J. Schönheim, An extremal problem on the set of noncoprime divisors of a number. *Israel J. Math.* **8** (1970), 408–412. PPS
- Erdős P., C. Ko, and R. Rado, Intersection theorems for systems of finite sets. *Quart. J. Math. Oxford (2)* **12** (1961), 313–320. PPS
- Erdős P. and J. Komlós, On a problem of Moser. In *Combinatorial theory and its applications, I (Proc. Colloq., Balatonfüred, 1969)* (North-Holland, 1970), 365–367. PPS
- Erdős P. and L. Lovász, Problems and results on 3-chromatic hypergraphs and some related questions. In *Infinite and finite sets (Colloq., Keszthely, 1973; dedicated to P. Erdős on his 60th birthday), II, Colloq. Math. Soc. J. Bolyai* **10** (North-Holland, 1975), 609–627. PPS
- Erdős P. and J.W. Moon, On sets of consistent arcs in a tournament. *Canad. Math. Bull.* **8** (1965), 269–271. PPS
- Erdős P. and L. Pósa, On the maximal number of disjoint circuits of a graph. *Publ. Math. Debrecen* **9** (1962), 3–12. PPS
- Erdős P. and R. Rado, A combinatorial theorem. *J. London Math. Soc.* **25** (1950), 249–255. PPS
- Erdős P. and A. Rényi, On random graphs, I. *Publ. Math. Debrecen* **6** (1959), 290–297. PPS
- Erdős P. and A. Rényi, On a problem in the theory of graphs. *Magyar Tud. Akad. Mat. Kutató Int. Közl.* **7** (1962), 623–641. PPS
- Erdős P. and A. Rényi, On the existence of a factor of degree one of a connected random graph. *Acta Math. Acad. Sci. Hung.* **17** (1966), 359–368. PPS
- Erdős P., A. Rényi, and V.T. Sós, On a problem of graph theory. *Studia Sci. Math. Hungar.* **1** (1966), 215–235. PPS
- Erdős P., A.L. Rubin, and H. Taylor, Choosability in graphs. In *Proc. West Coast Conf. Combin. Graph Th. Comput. (Arcata), Congr. Numer.* **26** (Utilitas Math., 1979), 125–157. PPS
- Erdős P. and H. Sachs, Reguläre Graphen gegebener Tailenweite mit minimaler Knotenzahl. *Wiss. Z. Martin-Luther-Universität Halle-Wittenberg Math.-Natur. Reihe* **12** (1963), 251–257. PPS
- Erdős P. and S. Shelah, Separability properties of almost-disjoint families of sets. *Israel J. Math.* **12** (1972), 207–214. PPS
- Erdős P. and M. Simonovits, A limit theorem in graph theory. *Studia Sci. Math. Hungar.* **1** (1966), 51–57. PPS
- Erdős P. and A.H. Stone, On the structure of linear graphs. *Bull. Amer. Math. Soc.* **52** (1946), 1087–1091. PPS
- Erdős P. and G. Szekeres, A combinatorial problem in geometry. *Composito Math* **2** (1935), 464–470. PPS
- Erdős P. and G. Szekeres, On some extremum problems in elementary geometry. *Ann. Univ. Sci. Budapest. Eotvds Sect. Math.* **3–4** (1961), 53–63. PPS
- Erdős P. and E. Szemerédi, Combinatorial properties of systems of sets. *J. Combin. Th. A* **24** (1978), 308–313. PPS
- Erdős P. and P. Turán, On Some Sequences of Integers. *J. London Math. Soc.* **S1-11** (1936), 261. PPS
- Erdős P. and D.B. West, A note on the interval number of a graph. *Discrete Math.* **55** (1985), 129–133. PPS
- Erdős P. and R.J. Wilson, On the chromatic index of almost all graphs. *J. Combin. Th. B* **23** (1977), 255–257. PPS
- Erdős P.L. and L.A. Székely, Applications of antilexicographic order. I. An enumerative theory of trees. *Adv. in Appl. Math.* **10** (1989), 488–496. PPS
- Eršov A.P. and G.I. Kožuhin, Estimates of the chromatic number of connected graphs (Russian). *Dokl. Akad. Nauk. SSSR* **142** (1962), 270–273. PPS
- Etienne G., Tableaux de Young et solitaire bulgare. *J. Combin. Th. A* **58** (1991), 181–197. PPS



- Euler L., Solutio problematis ad geometriam situs pertinentis (Latin). *Comment. Acad. Sci. U. Petrop* **8** (1736), 128–140. PPS
- Euler L., Demonstratio nonnullarum insignium proprietatum, quibus solida hedris planis inclusa sunt praedita (Latin). *Novi Commentarii acad. sci. Petropolitanae* **4** (1758), 140–160. PPS
- Euler L., *Introductio in analysin infinitorum. Tomus primus* (Sociedad Andaluza de Educación Matemática “Thales”; Real Sociedad Matemática Española, 2000). Reprint of the 1748 original. PPS
- Evans A.B., G. Isaak, and D.A. Narayan, Representations of graphs modulo  $n$ . *Discrete Math.* **223** (2000), 109–123. PPS
- Evans R.J., J.R. Pulham, and J. Sheehan, On the number of complete subgraphs contained in certain graphs. *J. Combin. Th. B* **30** (1981), 364–371. PPS
- Everman D., A.E. Danese, and K. Venkannayah, Problem e1396. *Amer. Math. Monthly* **67** (1960), 63–64. Solution **67** (1960). PPS
- Faà di Bruno F., Sullo sviluppo delle funzioni (Italian). *Ann. di Sci. Math. e Fisiche* **6** (1855), 479–480. PPS
- Faà di Bruno F., Note sur une nouvelle formule de dalcul differentiel (French). *Quart. J. Pure and Appl. Math.* **1** (1857), 359–360. PPS
- Faigle U., Matroids in combinatorial optimization. In *Combinatorial Geometries* (N. White, ed.) (Cambridge Univ. Press, 1987), 161–210. PPS
- Falikman D.I., Proof of the van der Waerden conjecture on the permanent of a doubly stochastic matrix. *Mat. Zametki* **29** (1981), 931–938, 957. PPS
- Fan G.H., New sufficient conditions for cycles in graphs. *J. Combin. Th. B* **37** (1984), 221–227. PPS
- Farber M. and R.E. Jamison, Convexity in graphs and hypergraphs. *SIAM J. Algeb. Disc. Meth.* **7** (1986), 433–444. PPS
- Fáry I., On the straight line representations of planar graphs. *Acta Sci. Math.* **11** (1948), 229–233. PPS
- Fasenmyer M.C., *Some Generalized Hypergeometric Polynomials* (ProQuest, 1946). Ph.D. Thesis, Univ. Michigan. PPS
- Faudree R.J., Forbidden subgraphs and Hamiltonian properties: a survey. *Congr. Numer.* **116** (1996), 33–52. PPS
- Faudree R.J., R.J. Gould, M.S. Jacobson, and L.M. Lesniak, Neighborhood unions and a generalization of Dirac’s theorem. *Discrete Math.* **105** (1992), 61–71. PPS
- Faudree R.J., R.J. Gould, M.S. Jacobson, and R.H. Schelp, Neighborhood unions and Hamiltonian properties in graphs. *J. Combin. Th. B* **47** (1989), 1–9. PPS
- Faudree R.J., R.J. Gould, M.S. Jacobson, and D.B. West, Minimum degree and dominating paths. *J. Graph Th.* **84** (2017), 202–213. PPS
- Faudree R.J., A. Gyárfás, R.H. Schelp, and Z. Tuza, Induced matchings in bipartite graphs. *Discrete Math.* **78** (1989), 83–87. PPS
- Faudree R.J. and R.H. Schelp, Various length paths in graphs. In *Theory and applications of graphs (Proc. Internat. Conf., Western Mich. Univ., Kalamazoo, Mich., 1976)*, *Lecture Notes in Math.* **642** (Springer, 1978), 160–173. PPS
- Faudree R.J. and R.H. Schelp, A survey of results on the size Ramsey number. In *Paul Erdős and his mathematics, II (Budapest, 1999)*, *Bolyai Soc. Math. Stud.* **11** (János Bolyai Math. Soc., 2002), 291–309. PPS
- Favaron O., F. Genest, and M. Kouider, Regular path decompositions of odd regular graphs. *J. Graph Theory* **63** (2010), 114–128. PPS
- Feige U., M.M. Halldórsson, G. Kortsarz, and A. Srinivasan, Approximating the domatic number. *SIAM J. Comput.* **32** (2002), 172–195. PPS
- Feller W., *An introduction to probability theory and its applications, I, Third edition* (Wiley & Sons, 1968). PPS
- Felsner S., P.C. Fishburn, and W.T. Trotter, Jr., Finite three-dimensional partial orders which are not sphere orders. *Discrete Math.* **201** (1999), 101–132. PPS
- Feng W., Bounds on maximum  $b$ -matchings. *Discrete Math.* **309** (2009), 4162–4165. PPS
- Ferguson T. and C. Melolidakis, Problem E3061. *Amer. Math. Monthly* **91** (1984), 580. Solution **94** (1987), 189. PPS
- Fiedler M., An algebraic approach to connectivity of graphs. In *Recent advances in graph theory (Proc. 2nd Czechoslovak Sympos., 1974)* (Academia, 1975), 193–196. PPS
- Fielder D.C., Fibonacci numbers in tree counts for sector and related graphs. *Fibonacci Quart.* **12** (1974), 355–359. PPS
- Finck H.J., On the chromatic numbers of a graph and its complement. In *Theory of Graphs (Tihany, 1966)* (P. Erdős and G. Katona, eds.) (Academic Press, 1968), 99–113. PPS
- Finck H.J. and H. Sachs, Über eine von H. S. Wilf angegebene Schranke für die chromatische Zahl endlicher Graphen. *Math. Nachr.* **39** (1969), 373–386. PPS
- Fink J., Perfect matchings extend to Hamilton cycles in hypercubes. *J. Combin. Th. B* **97** (2007), 1074–1076. PPS
- Fink J., Matching graphs of hypercubes and complete bipartite graphs. *European J. Combin.* **30** (2009), 1624–1629. PPS
- Fiorini S. and R.J. Wilson, *Edge-colourings of graphs* (Pitman; distrib. Fearon-Pitman, 1977). PPS
- Fishburn P.C., Intransitive indifference with unequal indifference intervals. *J. Mathematical Psychology* **7** (1970), 144–149. PPS
- Fishburn P.C., Interval lengths for interval orders: a minimization problem. *Discrete Math.* **47** (1983), 63–82. PPS

- Fishburn P.C., A correlational inequality for linear extensions of a poset. *Order* **1** (1984), 127–137. PPS
- Fishburn P.C. and R.L. Graham, Classes of interval graphs under expanding length restrictions. *J. Graph Theory* **9** (1985), 459–472. PPS
- Fishburn P.C. and W.T. Trotter, Jr., Angle orders. *Order* **1** (1985), 333–343. PPS
- Fisher D.C., K.L. Collins, and L.B. Krompart, Problem 10406. *Amer. Math. Monthly* **101** (1994), 793. Solution **104** (1997), 572–573. PPS
- Fisher D.C., K. Fraughnaugh, L. Langley, and D.B. West, The number of dependent arcs in an acyclic orientation. *J. Combin. Th. B* **71** (1997), 73–78. PPS
- Fisher R.A., An examination of the different possible solutions of a problem in incomplete blocks. *Ann. Eugenics* **10** (1940), 52–75. PPS
- Fisk S., A short proof of Chvátal’s watchman theorem. *J. Combin. Th. B* **24** (1978), 374. PPS
- Fiz Pontiveros G., S. Griffiths, and R. Morris, The triangle-free process and  $r(3, k)$  (2013). (arXiv:1302.6279) PPS
- Fleischner H., The square of every two-connected graph is hamiltonian. *J. Combin. Th. B* **16** (1974), 29–34. PPS
- Fleischner H., Eulerian graphs. In *Selected Topics in Graph Theory, 2* (L.W. Beineke and R.J. Wilson, eds.) (Academic Press, 1983), 17–54. PPS
- Fleischner H. and M. Stiebitz, A solution to a colouring problem of P. Erdős. *Discrete Math.* **101** (1992), 39–48. PPS
- Floyd R.W., Problem E3399. *Amer. Math. Monthly* **97** (1990), 611–612. PPS
- Foata D. and J. Riordan, Mappings of acyclic and parking functions. *Aequationes Math.* **10** (1974), 10–22. PPS
- Foata D. and M.P. Schützenberger, *Théorie géométrique des polynômes eulériens, Lecture Notes in Mathematics, Vol. 138* (Springer-Verlag, 1970). PPS
- Földes S. and P.L. Hammer, On a class of matroid-producing graphs. In *Combinatorics (Proc. Fifth Hungarian Colloq., Keszthely, 1976), Vol. I, Colloq. Math. Soc. János Bolyai* **18** (North-Holland, 1978), 331–352. PPS
- Folkman J., Graphs with monochromatic complete subgraphs in every edge coloring. *SIAM J. Appl. Math.* **18** (1970), 19–24. PPS
- Fon-Der-Flaass D.G., New prolific constructions of strongly regular graphs. *Adv. Geom.* **2** (2002), 301–306. PPS
- Fon-Der-Flaass D.G. and M.A. Alekseyev, Problem 11666. *Amer. Math. Monthly* **119** (2012), 699–700. Solution **121** (2014), 947–948. PPS
- Ford G.W. and G.E. Uhlenbeck, Combinatorial problems in the theory of graphs. I and III. *Proc. Nat. Acad. Sci. U.S.A.* **42** (1956), 122–128, 529–535. PPS
- Ford K., Problem 10383. *Amer. Math. Monthly* **101** (1994), 473. Solution **104** (1997), 457. PPS
- Ford L.R., Jr. and D.R. Fulkerson, Maximal flow through a network. *Canad. J. Math.* **8** (1956), 399–404. PPS
- Ford L.R., Jr. and D.R. Fulkerson, Network flows and systems of representatives. *Canad. J. Math.* **10** (1958), 78–85. PPS
- Fortuin C.M., P.W. Kasteleyn, and J. Ginibre, Correlation inequalities on some partially ordered sets. *Comm. Math. Phys.* **22** (1971), 89–103. PPS
- Foulkes H.O., Enumeration of permutations with prescribed up-down and inversion sequences. *Discr. Math.* **15** (1976), 235–252. PPS
- Fouquet J.L. and J.L. Jolivet, In “problèmes”. In *Problèmes combinatoires et théorie des graphes (Orsay, 1976), Colloq. Internat. CNRS*, **260** (1978), 437–443. PPS
- Fox J., A new proof of the graph removal lemma. *Ann. of Math. (2)* **174** (2011), 561–579. PPS
- Fox J., C. Lee, and B. Sudakov, Maximum union-free subfamilies. *Israel J. Math.* **191** (2012), 959–971. PPS
- Frame J.S., G.de B. Robinson, and R.M. Thrall, The hook graphs of the symmetric groups. *Canadian J. Math.* **6** (1954), 316–324. PPS
- Frank A., On disjoint trees and arborescences. In *Algebraic Methods in Graph Theory*, **25** (North-Holland, 1978), 159–169. PPS
- Frank A., On the orientation of graphs. *J. Combin. Th. B* **28** (1980a), 251–261. PPS
- Frank A., On chain and antichain families of a partially ordered set. *J. Combin. Th. B* **29** (1980b), 176–184. PPS
- Frank A., Applications of submodular functions. In *Surveys in Combinatorics, 1993* (K. Walker, ed.), *Lond. Math. Soc. Lect. Notes* **187** (Cambridge Univ. Press, 1993), 85–136. PPS
- Frank A. and E. Tardos, Matroids from crossing families. In *Finite and infinite sets, Vol. I, II (Eger, 1981), Colloq. Math. Soc. János Bolyai* **37** (North-Holland, 1984), 295–304. PPS
- Frankl P., Families of finite sets satisfying an intersection condition. *Bull. Austral. Math. Soc.* **15** (1976), 73–79. PPS
- Frankl P., A constructive lower bound for some Ramsey numbers. *Ars Combinatoria* **3** (1977), 297–302. PPS
- Frankl P., The Erdős-Ko-Rado theorem is true for  $n = ckt$ . In *Combinatorics (Proc. 5th Hungarian Colloq., 1976), I, Colloq. Math. Soc. János Bolyai* **18** (North-Holland, 1978), 365–375. PPS
- Frankl P., A new short proof for the Kruskal-Katona theorem. *Discrete Math.* **48** (1984), 327–329. PPS
- Frankl P., The shifting technique in extremal set theory. In *Surveys in combinatorics 1987 (New Cross, 1987), London Math. Soc. Lecture Note Ser.* **123** (Cambridge Univ. Press, 1987), 81–110. PPS
- Frankl P., Constructive Ramsey bounds and intersection theorems for sets. In *Mathematics of Ramsey theory, Algorithms Combin.* **5** (Springer, 1990), 53–56. PPS
- Frankl P. and M. Deza, On the maximum number of permutations with given maximal or minimal distance. *J. Combin. Th. A* **22** (1977), 352–360. PPS

- Frankl P. and Z. Füredi, Families of finite sets with missing intersections **37** (1984), 305–318. PPS
- Frankl P. and Z. Füredi, A new short proof of the EKR theorem. *J. Combin. Th. A* **119** (2012), 1388–1390. PPS
- Frankl P. and R.L. Graham, Old and new proofs of the Erdős-Ko-Rado theorem. *Sichuan Daxue Xuebao* **26** (1989), 112–122. PPS
- Frankl P. and V. Rödl, Extremal problems on set systems. *Random Structures Algorithms* **20** (2002), 131–164. PPS
- Frankl P. and N. Tokushige, Invitation to intersection problems for finite sets. *J. Combin. Th. A* **144** (2016), 157–211. PPS
- Frankl P. and R.M. Wilson, Intersection theorems with geometric consequences. *Combinatorica* **1** (1981), 357–368. PPS
- Franklin F., On Newton's Method of Approximation. *Amer. J. Math.* **4** (1881), 275–276. PPS
- Franklin P., The Four Color Problem. *Amer. J. Math.* **44** (1922), 225–236. PPS
- Franzblau D.S. and D. Zeilberger, A bijective proof of the hook-length formula. *J. Algorithms* **3** (1982), 317–343. PPS
- Fraughnaugh (Jones) K., Minimum independence graphs with maximum degree four. In *Graphs and applications (Boulder, 1982)*, Wiley-Intersci. Publ. (Wiley, 1985), 221–230. PPS
- Fredman M.L., How good is the information theory bound in sorting? *Theoret. Comput. Sci.* **1** (1976), 355–361. PPS
- Fredman M.L. and D.E. Knuth, Recurrence relations based on minimization. *J. Math. Anal. Appl.* **48** (1974), 534–559. PPS
- Freund R.M. and M.J. Todd, A constructive proof of Tucker's combinatorial lemma. *J. Combin. Th. A* **30** (1981), 321–325. PPS
- Frieze A. and M. Karoński, *Introduction to Random Graphs* (Cambridge, 2016). PPS
- Fritsch R. and G. Fritsch, *The Four-Color Theorem* (Springer, 1998). (published in German by F.A. Brockhaus, 1994). PPS
- Frobenius G., Ueber die Congruenz nach einem aus zwei endlichen Gruppen gebildeten Doppelmodul. *J. Reine Angew. Math.* **101** (1887), 273–299. PPS
- Frobenius G., über die Charaktere der symmetrischen Gruppe (German). *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin* (1900), 516–534. PPS
- Frobenius G., Über zerlegbare Determinanten. *Sitzungsber. König. Preuss. Adad. Wiss.* **XVIII** (1917), 274–277. PPS
- Fronček D., Locally linear graphs. *Math. Slovaca* **39** (1989), 3–6. PPS
- Fulkerson D.R., Note on Dilworth's decomposition theorem for partially ordered sets. *Proc. Amer. Math. Soc.* **7** (1956), 701–702. PPS
- Fulkerson D.R. and O.A. Gross, Incidence matrices and interval graphs. *Pac. J. Math.* **15** (1965), 835–855. PPS
- Fulkerson D.R., A.J. Hoffman, and M.H. McAndrew, Some properties of graphs with multiple edges. *Canad. J. Math.* **17** (1965), 166–177. PPS
- Fulton W., *Young tableaux*, London Mathematical Society Student Texts **35** (Cambridge Univ. Press, 1997). PPS
- Füredi Z., Graphs without quadrilaterals. *J. Combin. Th. B* **34** (1983), 187–190. PPS
- Füredi Z., Turán type problems. In *Surveys in combinatorics, 1991 (Guildford, 1991)*, London Math. Soc. Lecture Note Ser. **166** (Cambridge Univ. Press, 1991), 253–300. PPS
- Füredi Z., The order dimension of two levels of the Boolean lattice. *Order* **11** (1994), 15–28. PPS
- Füredi Z., New asymptotics for bipartite Turán numbers. *J. Combin. Th. A* **75** (1996), 141–144. PPS
- Füredi Z., On the number of edges of quadrilateral-free graphs. *J. Combin. Th. B* **68** (1996), 1–6. PPS
- Füredi Z., An upper bound on Zarankiewicz' problem. *Combin. Probab. Comput.* **5** (1996), 29–33. PPS
- Füredi Z., A proof of the stability of extremal graphs, Simonovits' stability from Szemerédi's regularity. *J. Combin. Th. B* **115** (2015), 66–71. PPS
- Füredi Z., J.R. Griggs, and D.J. Kleitman, A minimal cutset of the Boolean lattice with almost all members. *Graphs Combin.* **5** (1989), 327–332. PPS
- Füredi Z. and P. Hajnal, Davenport-Schinzel theory of matrices. *Discrete Math.* **103** (1992), 233–251. PPS
- Füredi Z., P. Hajnal, V. Rödl, and W.T. Trotter, Jr., Interval orders and shift graphs. In *Sets, graphs and numbers (Budapest, 1991)*, Colloq. Math. Soc. János Bolyai **60** (North-Holland, 1992), 297–313. PPS
- Füredi Z. and J. Kahn, On the dimensions of ordered sets of bounded degree. *Order* **3** (1986), 15–20. PPS
- Füredi Z. and J.H. Kang, Distance graph on  $\mathbb{Z}^n$  with  $l_1$  norm. *Theoret. Comput. Sci.* **319** (2004), 357–366. PPS
- Füredi Z. and G.O.H. Katona, 2-Bases of quadruples. *Combin. Probab. Comput.* **15** (2006), 131–141. PPS
- Füredi Z., A.V. Kostochka, R. Škrekovski, M. Stiebitz, and D.B. West, Nordhaus-Gaddum-type theorems for decompositions into many parts. *J. Graph Theory* **50** (2005), 273–292. PPS
- Fuss N., Solutio quaestionis, quot modis polygonum n laterum in polygona m laterum, per diagonales resolvi queat. *Nova Acta Academiae Sci. Petropolitanae* **9** (1791), 243–251. PPS
- Gabber O. and Z. Galil, Explicit construction of linear-sized superconcentrators. *J. Comput. Systems Sci.* **22** (1981), 407–420. PPS
- Gabow H.N., An efficient implementation of Edmonds' algorithm for maximum matchings on graphs. *J. Assoc. Comput. Mach.* **23** (1975), 221–234. PPS

- Gabow H.N., Data structures for weighted matching and nearest common ancestors with linking. In *Proc 1st ACM-SIAM Symp. Disc. Algs (San Francisco)* (SIAM, 1990), 434–443. PPS
- Gabow H.N., Z. Galil, T. Spencer, and R.E. Tarjan, Efficient algorithms for finding minimum spanning trees in undirected and directed graphs. *Combinatorica* **6** (1986), 109–122. PPS
- Gabow H.N. and R.E. Tarjan, Faster scaling algorithms for general graph matching problems. Tech. Rep. CU-CS-432-89, Dept. Comp. Sci., Univ. Colorado–Boulder (1989). PPS
- Gale D., Neighboring vertices on a convex polyhedron. In *Linear inequalities and related system, Annals of Mathematics Studies, no. 38* (Princeton Univ. Press, 1956), 255–263. PPS
- Gale D., The game of Hex and the Brouwer fixed-point theorem. *Amer. Math. Monthly* **86** (1979), 818–827. PPS
- Gale D. and L.S. Shapley, College admissions and the stability of marriage. *Amer. Math. Monthly* **69** (1962), 9–15. PPS
- Gallai T., On factorisation of graphs. *Acta Math. Acad. Sci. Hungar.* **1** (1950), 133–153. PPS
- Gallai T., Über extreme Punkt- und Kantenmengen. *Ann. Univ. Sci. Budapest, Eötvös Sect. Math.* **2** (1959), 133–138. PPS
- Gallai T., Kritische Graphen I. *Magyar Tud. Akad. Mat. Kut. Int. Közl.* **8** (1963a), 165–192. PPS
- Gallai T., Neuer Beweis eines Tutte’schen Satzes. *Magyar Tud. Akad. Mat. Kut. Int. Közl.* **8** (1963b), 135–139. PPS
- Gallai T., Kritische Graphen II. *Magyar Tud. Akad. Mat. Kut. Int. Közl.* **8** (1963c), 373–395. PPS
- Gallai T., On directed paths and circuits. In *Theory of Graphs (Tihany, 1966)* (P. Erdős and G. Katona, eds.) (Academic Press, 1968), 115–118. PPS
- Gallai T. and A.N. Milgram, Verallgemeinerung eines graphentheoretischen Satzes von Rédei. *Acta Sci. Math. Szeged* **21** (1960), 181–186. PPS
- Gallian J.A., A dynamic survey of graph labeling. *Electron. J. Combin.* **5** (1998), Dynamic Survey 6, 43. PPS
- Gallian J.A. and D.J. Rusin, Cyclotomic polynomials and nonstandard dice. *Discrete Math.* **27** (1979), 245–259. PPS
- Galperin G. and H. Gauchman, Problem 11103. *Amer. Math. Monthly* **111** (2004), 724. Solution **113** (2006), 465–466. PPS
- Galvin F., Problem 6034. *Amer. Math. Monthly* **82** (1975), 592. Solution **84** (1977), 224. PPS
- Galvin F., The list chromatic index of a bipartite multigraph. *J. Combin. Th. B* **63** (1995), 153–158. PPS
- Galvin F., Problem 10701. *Amer. Math. Monthly* **105** (1998), 956. Solution **108** (2001), 79–80. PPS
- Galvin F., Problem 10761. *Amer. Math. Monthly* **106** (1999), 864. Solution **108** (2001), 773–774. PPS
- Ganter B. and L. Teirlinck, A combinatorial lemma. *Math. Z.* **154** (1977), 153–156. PPS
- Gardner M., Mathematical games (a.k.a. Bulgarian Solitaire and other seemingly endless tasks). *Sci. Amer.* **249** (1983), 8–13. PPS
- Garey M.R., R.L. Graham, D.S. Johnson, and D.E. Knuth, Complexity results for bandwidth minimization. *SIAM J. Appl. Math.* **34** (1978), 477–495. PPS
- Garey M.R. and D.S. Johnson, *Computers and intractability* (W. H. Freeman and Co., 1979). A guide to the theory of NP-completeness, A Series of Books in the Mathematical Sciences. PPS
- Gargano L., M. Hammar, P. Hell, L. Stacho, and U. Vaccaro, Spanning spiders and light-splitting switches. *Discr. Math.* **285** (2004), 83–95. PPS
- Gaskell R.W., M.S. Klamkin, and P. Watson, Triangulations and Pick’s theorem. *Math. Mag.* **49** (1976), 35–37. PPS
- Gasparian G.S., Minimal imperfect graphs: a simple approach. *Combinatorica* **16** (1996), 209–212. PPS
- Gavril F., The intersection graphs of subtrees in trees are exactly the chordal graphs. *J. Combin. Th. B* **16** (1974), 47–56. PPS
- George J.C., *1-Factorizations of tensor products of graphs* (ProQuest, 1991). Ph.D. Thesis, Univ. Illinois at Urbana–Champaign. PPS
- Gessel I.M., *Generating Functions and Enumeration of Sequences* (ProQuest LLC, 1977). Ph.D. Thesis, Massachusetts Inst. Tech. PPS
- Gessel I.M., Problem 10357. *Amer. Math. Monthly* **101** (1994), 75. Solution **104** (1997), 177–178. PPS
- Gessel I.M., Problem 10424. *Amer. Math. Monthly* **102** (1995), 70–71. Solution **104** (1997), 466–467. PPS
- Gessel I.M., The Smith College diploma problem. *Amer. Math. Monthly* **108** (2001), 55–57. PPS
- Gessel I.M., Lagrange inversion. *J. Combin. Theory A* **144** (2016), 212–249. PPS
- Gessel I.M. and R.P. Stanley, Stirling polynomials. *J. Combin. Th. A* **24** (1978), 24–33. PPS
- Gessel I.M. and G. Viennot, Binomial determinants, paths, and hook length formulae. *Adv. in Math.* **58** (1985), 300–321. PPS
- Gessel I.M. and G. Viennot, Determinants, paths, and plane partitions (1989). ([http://contscience.xavierviennot.org/xavier/articles\\_files/determinant\\_89.pdf](http://contscience.xavierviennot.org/xavier/articles_files/determinant_89.pdf)) PPS
- Getz M. and D. Jones, Problem 11005. *Amer. Math. Monthly* **110** (2003), 340. Solution **112** (2005), 89–90. PPS
- Ghouila-Houri A., Une condition suffisante d’existence d’un circuit Hamiltonien. *C. R. Acad. Sci. Paris* **251** (1960), 495–497. PPS
- Ghouila-Houri A., Caractérisation des graphes non orientés dont on peut orienter les arêtes de manière à obtenir le graphe d’une relation d’ordre. *C. R. Acad. Sci. Paris* **254** (1962), 1370–1371. PPS
- Gilbert E.N., Random graphs. *Ann. Math. Stat.* **30** (1959), 1141–1144. PPS

- Gilmore P.C. and A.J. Hoffman, A characterization of comparability graphs and of interval graphs. *Canad. J. Math.* **16** (1964), 539–548. PPS
- Glaisher J., A theorem in partitions. *Messenger of Math.* **12** (1883), 158–170. PPS
- Glock S., D. Kühn, A. Lo, and D. Osthus, The existence of designs via iterative absorption (2016). (arXiv:1611.06827) PPS
- Goddard W., Acyclic colorings of planar graphs. *Discrete Math.* **91** (1991), 91–94. PPS
- Godsil C. and K. Meagher, *Erdős-Ko-Rado theorems: algebraic approaches*, Cambridge Studies in Advanced Mathematics **149** (Cambridge Univ. Press, 2016). PPS
- Goldberg C.H. and D.B. West, Bisection of circle colorings. *SIAM J. Algebraic Discrete Methods* **6** (1985), 93–106. PPS
- Goldberg M.K., Structure of multigraphs with restrictions on the chromatic class (Russian). *Metody Diskret. Analiz.* **30** (1977), 3–12. PPS
- Goldman J.R., J.T. Joichi, and D.E. White, Rook theory. I. Rook equivalence of Ferrers boards. *Proc. Amer. Math. Soc.* **52** (1975), 485–492. PPS
- Golomb S.W. and L.R. Welch, Perfect codes in the Lee metric and the packing of polyominoes. *SIAM J. Appl. Math.* **18** (1970), 302–317. PPS
- Golovina L.I. and I.M. Yaglom, *Introduction in Geometry, Topics in mathematics* (Heath, 1963). PPS
- Golumbic M.C., Trivially perfect graphs. *Discrete Math.* **24** (1978), 105–107. PPS
- Golumbic M.C., *Algorithmic Graph Theory and Perfect Graphs* (Academic Press, 1980). Also 2004. PPS
- Golumbic M.C., D. Rotem, and J. Urrutia, Comparability graphs and intersection graphs. *Discrete Math.* **43** (1983), 37–46. PPS
- Golumbic M.C. and E.R. Scheinerman, Containment graphs, posets, and related classes of graphs. In *Combinatorial Mathematics: Proceedings of the Third International Conference (New York, 1985)*, Ann. New York Acad. Sci. **555** (New York Acad. Sci., 1989), 192–204. PPS
- Gonçalves D., Covering planar graphs with forests, one having bounded maximum degree. *J. Combin. Th. B* **99** (2009), 314–322. PPS
- Gondran M. and M. Minoux, *Graphs and algorithms*, Wiley-Interscience Series in Discrete Mathematics (John Wiley & Sons, 1984). PPS
- Good I.J., Normal recurring decimals. *J. Lond. Math. Soc.* **21** (1946), 167–169. PPS
- Goodman A.W., On sets of acquaintances and strangers at any party. *Amer. Math. Monthly* **66** (1959), 778–783. PPS
- Goodman S. and S. Hedetniemi, Sufficient conditions for a graph to be Hamiltonian. *J. Combin. Th. B* **16** (1974), 175–180. PPS
- Gosper R.W., Jr., Decision procedure for indefinite hypergeometric summation. *Proc. Nat. Acad. Sci. U.S.A.* **75** (1978), 40–42. PPS
- Gottschalk W.H., Choice functions and Tychonoff's theorem. *Proc. Amer. Math. Soc.* **2** (1951), 172. PPS
- Gould H.W., Explicit formulas for Bernoulli numbers. *Amer. Math. Monthly* **79** (1972), 44–51. PPS
- Gould R.J., *Graph Theory* (Benjamin/Cummings, 1988). Also 2012. PPS
- Gould R.J., Updating the Hamiltonian problem—a survey. *J. Graph Theory* **15** (1991), 121–157. PPS
- Gould R.J., Advances on the Hamiltonian problem—a survey. *Graphs Combin.* **19** (2003), 7–52. PPS
- Gould R.J., Recent advances on the Hamiltonian problem: Survey III. *Graphs Combin.* **30** (2014), 1–46. PPS
- Goulden I.P. and L.G. Serrano, Maintaining the spirit of the reflection principle when the boundary has arbitrary integer slope. *J. Combin. Th. A* **104** (2003), 317–326. PPS
- Gowers W.T., A new proof of Szemerédi's theorem. *Geom. Funct. Anal.* **11** (2001), 465–588. PPS
- Graham N., R.C. Entringer, and L.A. Székely, New tricks for old trees: maps and the pigeonhole principle. *Amer. Math. Monthly* **101** (1994), 664–667. PPS
- Graham N. and F. Harary, Changing and unchanging the diameter of a hypercube. *Discrete Appl. Math.* **37-38** (1992), 265–274. PPS
- Graham R.L., Linear extensions of partial orders and the FKG inequality. In *Ordered sets (Banff, Alta., 1981)*, NATO Adv. Study Inst. C: Math. Phys. Sci. **83** (Reidel, Dordrecht-Boston, 1982), 213–236. PPS
- Graham R.L. and S. Butler, *Rudiments of Ramsey theory (2nd ed.)*, CBMS Regional Conference Series in Mathematics **123** (AMS, 2015). PPS
- Graham R.L. and L.H. Harper, Some results on matching in bipartite graphs. *SIAM J. Appl. Math.* **17** (1969), 1017–1022. PPS
- Graham R.L. and D.J. Kleitman, Increasing paths in edge ordered graphs. *Period. Math. Hungar.* **3** (1973), 141–148. PPS
- Graham R.L., D.E. Knuth, and O. Patashnik, *Concrete mathematics* (Addison-Wesley, 1989). Also 1994. PPS
- Graham R.L., D.E. Knuth, and O. Patashnik, *Concrete mathematics, 2nd ed.* (Addison-Wesley, 1994). Also 1989. PPS
- Graham R.L. and H.O. Pollak, On the addressing problem for loop switching. *Bell Sys. Tech. J.* **50** (1971), 2495–2519. PPS
- Graham R.L. and H.O. Pollak, On embedding graphs in squashed cubes. In *Graph Th. and Appl. (Proc. Conf., Western Michigan Univ., Mich., 1972; dedicated to the memory of J. W. T. Youngs)*, Lect. Notes Math. **303** (Springer, 1972), 99–110. PPS

- Graham R.L., V. Rödl, and A. Ruciński, On graphs with linear Ramsey numbers. *J. Graph Theory* **35** (2000), 176–192. PPS
- Graham R.L. and B.L. Rothschild, A short proof of van der Waerden’s theorem on arithmetic progressions. *Proc. Amer. Math. Soc.* **42** (1974), 385–386. PPS
- Graham R.L., B.L. Rothschild, and J. Spencer, *Ramsey Theory* (Wiley, 1980). Also 1990. PPS
- Graver J.E. and J. Yackel, Some graph theoretic results associated with Ramsey’s Theorem. *J. Combin. Th. A* **4** (1968), 125–175. PPS
- Gravier S. and F. Maffray, Graphs whose choice number is equal to their chromatic number. *J. Graph Theory* **27** (1998), 87–97. PPS
- Greene C., A multiple exchange property for bases. *Proc. Amer. Math. Soc.* **39** (1973), 45–50. PPS
- Greene C., An extension of Schensted’s theorem. *Advances in Math.* **14** (1974), 254–265. PPS
- Greene C., G.O.H. Katona, and D.J. Kleitman, Extensions of the Erdős-Ko-Rado theorem. *Studies in Appl. Math.* **55** (1976), 1–8. PPS
- Greene C. and D.J. Kleitman, Strong versions of Sperner’s theorem. *J. Combin. Th. A* **20** (1976), 80–88. PPS
- Greene C. and D.J. Kleitman, The structure of Sperner  $k$ -families. *J. Combin. Th. A* **20** (1976), 41–68. PPS
- Greene C. and D.J. Kleitman, Proof techniques in the theory of finite sets. In *Studies in combinatorics, MAA Stud. Math.* **17** (Math. Assoc. Amer., 1978), 22–79. PPS
- Greene C. and T.L. Magnanti, Some abstract pivot algorithms. *SIAM J. Appl. Math.* **29** (1975), 530–539. PPS
- Greene C., A. Nijenhuis, and H.S. Wilf, A probabilistic proof of a formula for the number of Young tableaux of a given shape. *Adv. in Math.* **31** (1979), 104–109. PPS
- Greene J.E., A new short proof of Kneser’s conjecture. *Amer. Math. Monthly* **109** (2002), 918–920. PPS
- Greenwell D.L. and H.V. Kronk, Uniquely line colorable graphs. *Canad. Math. Bull.* **16** (1973), 525–529. PPS
- Greenwell D.L. and L. Lovász, Applications of product colouring. *Acta Math. Acad. Sci. Hung.* **25** (1974), 335–340. PPS
- Greenwood R.E. and A.M. Gleason, Combinatorial relations and chromatic graphs. *Canad. J. Math.* **7** (1955), 1–7. PPS
- Gregory D.A. and K.N. Vander Meulen, Sharp bounds for decompositions of graphs into complete  $r$ -partite subgraphs. *J. Graph Theory* **21** (1996), 393–400. PPS
- Griggs J.R., Sufficient conditions for a symmetric chain order. *SIAM J. Appl. Math.* **32** (1977), 807–809. PPS
- Griggs J.R., Problem 10665. *Amer. Math. Monthly* **105** (1998), 464. Solution **107** (2000), 653–654. PPS
- Griggs J.R. and C.C. Ho, The cycling of partitions and compositions under repeated shifts. *Adv. in Appl. Math.* **21** (1998), 205–227. PPS
- Griggs J.R., J. Stahl, and W.T. Trotter, Jr., A Sperner theorem on unrelated chains of subsets. *J. Combin. Th. A* **36** (1984), 124–127. PPS
- Grimmett G.R. and C.J.H. McDiarmid, On colouring random graphs. *Math. Proc. Camb. Phil. Soc.* **77** (1975), 313–324. PPS
- Grimmett G.R. and D.R. Stirzaker, *Probability and random processes, 2nd ed.* (Oxford Univ. Press, 1992). Also 1982, 2001. PPS
- Grinberg E.J., Plane homogeneous graphs of degree three without hamiltonian circuits. *Latvian Math. Yearbook* **5** (1968), 51–58. PPS
- Grinstead C.M. and S.M. Roberts, On the Ramsey numbers  $R(3, 8)$  and  $R(3, 9)$ . *J. Combin. Th. B* **33** (1982), 27–51. PPS
- Grolmusz V. and B. Sudakov, On  $k$ -wise set-intersections and  $k$ -wise Hamming-distances. *J. Combin. Th. A* **99** (2002), 180–190. PPS
- Gross J.L. and T.W. Tucker, *Topological graph theory, Wiley-Interscience Series in Discrete Mathematics and Optimization* (Wiley & Sons, 1987). PPS
- Gross J.L. and J. Yellen, *Graph Theory* (CRC Press, 1999). PPS
- Grötzsch H., Ein Dreifarbensatz für dreikreisfreie Netze auf der Kugel. *Wiss. Z. Martin-Luther-U., Halle-Wittenberg, Math.-Nat. Reihe* **8** (1959), 109–120. PPS
- Group G.P.S., Solution to problem 11883. *Amer. Math. Monthly* **124** (2017). Proposed **123** (2016), 97. PPS
- Grünbaum B., Acyclic colorings of planar graphs. *Israel J. Math.* **14** (1973), 390–408. PPS
- Grünbaum B. and T.S. Motzkin, The number of hexagons and the simplicity of geodesics on certain polyhedra. *Canad. J. Math.* **15** (1963), 744–751. PPS
- Guan M., Graphic programming using odd and even points. *Chinese Math.* **1** (1962), 273–277. PPS
- Guldán F., The linear arboricity of 10-regular graphs. *Math. Slovaca* **36** (1986), 225–228. PPS
- Gunderson D.S. and V. Rödl, Extremal problems for affine cubes of integers. *Combin. Probab. Comput.* **7** (1998), 65–79. PPS
- Guo S. and Z.W. Sun, Determination of the two-color Rado number for  $a_1x_1 + \dots + a_mx_m = x_0$ . *J. Combin. Th. A* **115** (2008), 345–353. PPS
- Gupta H., Combinatorial proof of a theorem on partitions into an even or odd number of parts. *J. Combin. Th. A* **21** (1976), 100–103. PPS
- Gupta R.P., The chromatic index and the degree of a graph (Abstract 66T-429). *Notices Amer. Math. Soc.* **13** (1966), 719. PPS
- Gusfield D. and R.W. Irving, *The Stable Marriage Problem: Structure and Algorithms* (MIT Press, 1989). PPS

- Gutin G., Finding a longest path in a complete multipartite digraph. *SIAM J. Discrete Math.* **6** (1993), 270–273. PPS
- Gutner S., The complexity of planar graph choosability. *Discrete Math.* **159** (1996), 119–130. PPS
- Guy R.K., The decline and fall of Zarankiewicz's Theorem. In *Proof Techniques in Graph Theory* (F. Harary, ed.) (Academic Press, 1969), 63–69. PPS
- Guy R.K., The decline and fall of Zarankiewicz's theorem (1969), 63–69. PPS
- Guy R.K., Sequences associated with a problem of Turán and other problems. In *Combin. Conf. Balatonfüred, 1969* (North-Holland, 1970), 553–569. PPS
- Guy R.K., Crossing numbers of graphs. In *Graph Theory and Applications* (Y. Alavi et al, ed.), *Lect. Notes Math.* **303** (Springer, 1972), 111–124. PPS
- Guy R.K., The strong law of small numbers. *Amer. Math. Monthly* **95** (1988), 697–712. PPS
- Guy R.K., Catwalks, sandsteps, and Pascal pyramids. *J. Integer Seq.* **3** (2000), Article 00.1.6 (electronic). PPS
- Guy R.K. and F. Harary, On the Möbius ladders. *Canad. Math. Bull.* **10** (1967), 493–496. PPS
- Gyárfás A., On Ramsey covering-numbers (1975), 801–816. *Colloq. Math. Soc. János Bolyai*, Vol. 10. PPS
- Gyárfás A., J. Lehel, J. Nešetřil, V. Rödl, R.H. Schelp, and Z. Tuza, Local  $k$ -colorings of graphs and hypergraphs. *J. Combin. Th. B* **43** (1987), 127–139. PPS
- Gyárfás A. and G. Simonyi, Edge colorings of complete graphs without tricolored triangles. *J. Graph Theory* **46** (2004), 211–216. PPS
- Gyárfás A., E. Szemerédi, and Z. Tuza, Induced subtrees in graphs of large chromatic number. *Discrete Math.* **30** (1980), 235–244. PPS
- Gyórfi E., On division of graphs to connected subgraphs. In *Combinatorics (Proc. 5th Hungarian Colloq., Keszthely, 1976), I, Colloq. Math. Soc. János Bolyai* **18** (North-Holland, 1978), 485–494. PPS
- Habib M., C.J.H. McDiarmid, J. Ramirez-Alfonsin, and B.A. Reed (eds.), *Probabilistic methods for algorithmic discrete mathematics, Algorithms and Combinatorics* **16** (Springer-Verlag, 1998). PPS
- Hadamard J., Résolution d'une question relative aux déterminants (French). *Bull. Sci. Math.* **17** (1893), 240–246. PPS
- Hadamard J., Note sur quelques applications de l'indice de Kronecker in Jules Tannery (French). In *Introduction à la théorie des fonctions d'une variable* **2** (Hermann & Fils, 1910), 737–477. PPS
- Hadwiger H., Über eine Klassifikation der Streckenkomplexe. *Vierteljschr. Naturforsch. Ges. Zürich* **88** (1943), 133–142. PPS
- Hadwiger H., Ueberdeckung des Euklidischen Raumes durch kongruente Mengen. *Portugaliae Math.* **4** (1945), 238–242. PPS
- Hadwiger H., Mitteilung betreffend meine Note: Überdeckung einer Menge durch Mengen kleineren Durchmessers. *Comment. Math. Helv.* **19** (1946), 72–73. PPS
- Hadwiger H., Simultane Vierteilung zweier Körper. *Arch. Math. (Basel)* **17** (1966), 274–278. PPS
- Haemers W.H., *Eigenvalue techniques in design and graph theory, Mathematical Centre Tracts* **121** (Mathematisch Centrum, 1980). PPS
- Häggkvist R., A lemma on cycle decompositions. In *Cycles in graphs (Burnaby, B.C., 1982), North-Holland Math. Stud.* **115** (North-Holland, 1985), 227–232. PPS
- Häggkvist R. and J.C.M. Janssen, New bounds on the list-chromatic index of the complete graph and other simple graphs. *Combin. Probab. Comput.* **6** (1997), 295–313. PPS
- Häggkvist R. and C. Thomassen, Circuits through specified edges. *Discrete Math.* **41** (1982), 29–34. PPS
- Hajek B. and B. Narayanan, Multigraphs with the most edge covers. *Inst. Math. Appl. Preprint Series* (1994). PPS
- Hajós G., Über eine Konstruktion nicht  $n$ -färbbarer Graphen. *Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg Math.-Nat. Reihe* **10** (1961), 116–117. PPS
- Hakimi S.L., On the realizability of a set of integers as degrees of the vertices of a graph. *SIAM J. Appl. Math.* **10** (1962), 496–506. PPS
- Hakimi S.L., On the degrees of the vertices of a directed graph. *J. Franklin Inst.* **279** (1965), 290–308. PPS
- Hakimi S.L. and E.F. Schmeichel, Improved bounds for the chromatic number of a graph. *J. Graph Theory* **47** (2004), 217–225. PPS
- Hales A.W. and R.I. Jewett, Regularity and positional games. *Trans. Amer. Math. Soc.* **106** (1963), 222–229. PPS
- Halin R., A theorem on  $n$ -connected graphs. *J. Combin. Th.* **7** (1969), 150–4. PPS
- Hall M., Distinct representatives of subsets. *Bull. Amer. Math. Soc.* **54** (1948), 922. PPS
- Hall M. and H.J. Ryser, Cyclic incidence matrices. *Canadian J. Math.* **3** (1951), 495–502. PPS
- Hall M., Jr., Cyclic projective planes. *Duke Math. J.* **14** (1947), 1079–1090. PPS
- Hall M., Jr., *Combinatorial theory, Wiley-Interscience Series in Discrete Mathematics* (Wiley & Sons, 1986). PPS
- Hall P., On representatives of subsets. *J. Lond. Math. Soc.* **10** (1935), 26–30. PPS
- Halmos P.R. and H.E. Vaughan, The marriage problem. *Amer. J. Math.* **72** (1950), 214–215. PPS
- Hammerley J.M., A few seedlings of research. In *Proceedings of the Sixth Berkeley Symposium on Mathematical Statistics and Probability (Univ. California, Berkeley, Calif., 1970/1971), Vol. I: Theory of statistics* (Univ. California Press, 1972), 345–394. PPS
- Hanani H., Über wesentlich unplättbare Kurven im drei-dimensionalen Raume (German). *Fund. Math.* **23** (1934), 135–142. PPS

- Hanani H., The existence and construction of balanced incomplete block designs. *Ann. Math. Statist.* **32** (1961), 361–386. PPS
- Hanani H., Balanced incomplete block designs and related designs. *Discrete Math.* **11** (1975), 255–369. PPS
- Hanlon P., Counting interval graphs. *Trans. Amer. Math. Soc.* **272** (1982), 383–426. PPS
- Hansel G., Sur le nombre des fonctions booléennes monotones de  $n$  variables. *C. R. Acad. Sci. Paris Sér. A-B* **262** (1966), A1088–A1090. PPS
- Hansel G., Complexes et décompositions binomiales. *J. Combinatorial Theory A* **12** (1972), 167–183. PPS
- Hansen H.M., *Scheduling with minimum waiting periods (Danish)* (Odense Univ., 1992). Master Thesis. PPS
- Hanson D., C.O.M. Loten, and B. Toft, On interval colourings of bi-regular bipartite graphs. *Ars Combin.* **50** (1998), 23–32. PPS
- Harary F., On the notion of balance of a signed graph. *Michigan Math. J.* **2** (1953–54), 143–146 (1955). PPS
- Harary F., Note on the Pólya and Otter formulas for enumerating trees. *Michigan Math. J.* **3** (1955–56), 109–112. PPS
- Harary F., The number of linear, directed, rooted, and connected graphs. *Trans. Amer. Math. Soc.* **78** (1955a), 445–463. PPS
- Harary F., The determinant of the adjacency matrix of a graph. *SIAM Review* **4** (1962), 202–210. PPS
- Harary F., The maximum connectivity of a graph. *Proc. Nat. Acad. Sci. U.S.A.* **48** (1962a), 1142–1146. PPS
- Harary F., *Graph Theory* (Addison-Wesley, 1969). PPS
- Harary F., Reviews: The Pólya Picture Album—Encounters of a Mathematician. *Amer. Math. Monthly* **96** (1989), 750–753. PPS
- Harary F., D.F. Hsu, and Z. Miller, The biparticity of a graph. *J. Graph Th.* **1** (1977), 131–133. PPS
- Harary F. and P.C. Kainen, The cube of a path is maximal planar. *Bull. Inst. Combin. Appl.* **7** (1993), 55–56. PPS
- Harary F., P.C. Kainen, and A.J. Schwenk, Toroidal graphs with arbitrarily high crossing numbers. *Nanta Math.* **6** (1973), 58–67. PPS
- Harary F. and P. Kovács, The smallest graphs with prescribed odd and even girth. *Caribbean J. Math.* **1** (1982), 24–26. PPS
- Harary F. and C.St.J.A. Nash-Williams, On eulerian and hamiltonian graphs and line graphs. *Canad. Math. Bull.* **8** (1965), 701–709. PPS
- Harary F. and E.M. Palmer, *Graphical enumeration* (Acad. Press, 1973). PPS
- Harary F. and G. Prins, The block-cutpoint-tree of a graph. *Publ. Math. Debrecen* **13** (1966), 103–107. PPS
- Harary F. and A.J. Schwenk, The number of caterpillars. *Discrete Math.* **6** (1973), 359–365. PPS
- Hardy G.H., *Ramanujan. Twelve lectures on subjects suggested by his life and work* (Cambridge Univ. Press, 1940). PPS
- Hardy G.H. and S. Ramanujan, Asymptotic formulæ in combinatory analysis. *Proc. London Math. Soc. (2)* **17** (1918), 75–115. PPS
- Harper L.H., Optimal numberings and isoperimetric problems on graphs. *J. Combin. Th.* **1** (1966), 385–393. PPS
- Harper L.H., The morphology of partially ordered sets. *J. Combinatorial Theory A* **17** (1974), 44–58. PPS
- Hartke S.G., D. Stolee, D.B. West, and M. Yancey, Extremal graphs with a given number of perfect matchings. *J. Graph Theory* **73** (2013), 449–468. PPS
- Hartman C.M., *Extremal problems in graph theory* (Univ. of Illinois, 1997). Ph.D. Thesis. PPS
- Hartsfield N., A.K. Kelmans, and Y.Q. Shen, On the Laplacian polynomial of a  $K$ -cube extension. In *Proc. 27th South-eastern Intl. Conf. Combin. Graph Th. Comput. (Baton Rouge), Congr. Numer.* **119** (1996), 73–77. PPS
- Harzheim E., Remarks on Dilworth’s decomposition theorem. *Ars Combin.* **16** (1983), 27–31. PPS
- Hasse M., Zur algebraischen Begründung der Graphentheorie. I. *Math. Nachr.* **28** (1964/1965), 275–290. PPS
- Havel I. and J. Morávek,  $b$ -valuations of graphs. *Czechoslovak Math. J.* **22** (1972), 338–351. PPS
- Havel V., A remark on the existence of finite graphs (Czech). *Časopis Pěst. Mat* **80** (1955), 477–480. PPS
- Havet F. and J.S. Sereni, Improper choosability of graphs and maximum average degree. *J. Graph Theory* **52** (2006), 181–199. PPS
- Haxell P.E., A note on vertex list colouring. *Combin. Probab. Comput.* **10** (2001), 345–347. PPS
- Haxell P.E., Y. Kohayakawa, and T. Łuczak, The induced size-Ramsey number of cycles. *Combin. Probab. Comput.* **4** (1995), 217–239. PPS
- Hayes P.J., A note on the Towers of Hanoi problem. *Computer J.* **20** (1977), 282–285. PPS
- Heawood P.J., Map-colour theorem. *Q. J. Math.* **24** (1890), 332–339. PPS
- Heawood P.J., On the four-colour map theorem. *Q. J. Math.* **29** (1898), 270–85. PPS
- Hedetniemi S., On partitioning planar graphs. *Canad. Math. Bull.* **11** (1969), 203–210. PPS
- Heffter L., Ueber gemeinsame Vielfache linearer Differentialausdrücke und lineare Differentialgleichungen derselben Klasse. *J. Reine Angew. Math.* (1896), 157–166. PPS
- Hell P. and J. Nešetřil, *Graphs and homomorphisms, Oxford Lecture Series in Mathematics and its Applications* **28** (Oxford Univ. Press, 2004). PPS
- Henning M.A. and A. Yeo, Tight lower bounds on the size of a maximum matching in a regular graph. *Graphs Combin.* **23** (2007), 647–657. PPS
- Henning M.A. and A. Yeo, Hypergraphs with large transversal number. *Discrete Math.* **313** (2013), 959–966. PPS
- Henning M.A. and A. Yeo, *Total domination in graphs, Springer Monographs in Mathematics* (Springer, 2013a). PPS



- Heppes A. and P. Révész, A splitting problem of Borsuk. *Mat. Lapok* **7** (1956), 108–111. PPS
- Hernández V., Solution to problem 10490. *Amer. Math. Monthly* **106** (1999), 589. Proposed **102** (1995), 930. PPS
- Herrendörfer G. and D. Rasch, Complete block designs. II. Analysis of partially balanced designs. *Biometrical J.* **19** (1977), 455–461. PPS
- Hierholzer C., Über die Möglichkeit, einen Linienzug ohne Wiederholung und ohne Unterbrechnung zu umfahren. *Math. Ann.* **6** (1873), 30–32. PPS
- Hilbert D., Ueber die Irreducibilität ganzer rationaler Functionen mit ganzzahligen Coefficienten. *J. Reine Angew. Math.* **110** (1892), 104–129. PPS
- Hill C., Solution to problem 10992. *Amer. Math. Monthly* **111** (2004), 827–829. Proposed **110** (2003), 155. PPS
- Hilton A.J.W., The number of spanning trees of labeled wheels, fans and baskets. In *Combinatorics (Proc. Conf. Combin. Math., Math. Inst., Oxford, 1972)* (Inst. Math. Appl., 1972), 203–206. PPS
- Hilton A.J.W., A theorem on finite sets. *Quart. J. Math. Oxford (2)* **27** (1976), 33–36. PPS
- Hilton A.J.W., A simple proof of the Kruskal-Katona theorem and of some associated binomial inequalities. *Period. Math. Hungar.* **10** (1979), 25–30. PPS
- Hilton A.J.W., Two conjectures on edge colouring. *Discrete Math.* **74** (1989), 61–64. PPS
- Hilton P. and J. Pederson, Catalan numbers, their generalization, and their uses. *Math. Intel.* **13** (1991), 64–75. PPS
- Hind H., M. Molloy, and B.A. Reed, Colouring a graph frugally. *Combinatorica* **17** (1997), 469–482. PPS
- Hind H., M. Molloy, and B.A. Reed, Total coloring with  $\Delta + \text{poly}(\log \Delta)$  colors. *SIAM J. Comput.* **28** (1999), 816–821. PPS
- Hindman N., Ultrafilters and combinatorial number theory. In *Number theory, Carbondale 1979 (Proc. Southern Illinois Conf., Carbondale, 1979), Lecture Notes in Math.* **751** (Springer, 1979), 119–184. PPS
- Hindman N., On a conjecture of Erdős, Faber, and Lovász about  $n$ -colorings. *Canad. J. Math.* **33** (1981), 563–570. PPS
- Hinrichs A. and C. Richter, New sets with large Borsuk numbers. *Discrete Math.* **270** (2003), 137–147. PPS
- Hiraguchi T., On the dimension of partially ordered sets. *Sci. Rep. Kanazawa Univ.* **1** (1951), 77–94. PPS
- Hiraguchi T., On the dimension of ordres. *Sci. Reports Kanazawa Univ.* **4** (1955), 1–20. PPS
- Hladký J., D. Král', and U. Schauz, Brooks' theorem via the Alon-Tarsi theorem. *Discrete Math.* **310** (2010), 3426–3428. PPS
- Hoare A.H.M., An involution of blocks in the partitions of  $n$ . *Amer. Math. Monthly* **93** (1986), 475–476. PPS
- Hobby C.R. and J.R. Rice, A moment problem in  $L_1$  approximation. *Proc. Amer. Math. Soc.* **16** (1965), 665–670. PPS
- Hochberg R., C.J.H. McDiarmid, and M.E. Saks, On the bandwidth of triangulated triangles( Keele, 1993). In *14th Brit. Combin. Conf.* **138** (Discrete Math., 1995), 261–5. PPS
- Hoeffding W., Probability inequalities for sums of bounded random variables. *J. Amer. Statist. Assoc.* **58** (1963), 13–30. PPS
- Hoffman A.J., On the polynomial of a graph. *Amer. Math. Monthly* **70** (1963), 30–36. PPS
- Hoffman A.J., On eigenvalues and colorings of graphs. In *Graph Theory and Its Applications* (B. Harries, ed.) (Academic Press, 1970), 79–91. PPS
- Hoffman A.J., Extending Greene's theorem to directed graphs. *J. Combin. Theory A* **34** (1983), 102–107. PPS
- Hoffman A.J. and R.R. Singleton, On Moore graphs with diameters 2 and 3. *IBM J. Res. Develop.* **4** (1960), 497–504. PPS
- Hoffman D.G. and P.J. Schellenberg, The existence of  $C_k$ -factorizations of  $K_{2n}$  – *F. Discr. Math.* **97** (1991), 243–250. PPS
- Holland F., Problem 11798. *Amer. Math. Monthly* **121** (2014), 798. Solution **124** (2017). PPS
- Holley R., Remarks on the FKG inequalities. *Comm. Math. Phys.* **36** (1974), 227–231. PPS
- Hollingsworth S., Packing trees into complete bipartite graphs. *Discrete Math.* **313** (2013), 945–948. PPS
- Holton D.A. and J. Sheehan, *The Petersen Graph* (Cambridge Univ. Press, 1993). PPS
- Holyer I., The NP-completeness of edge-coloring. *SIAM J. Comput.* **10** (1981), 718–720. PPS
- Holzmann C.A. and F. Harary, On the tree graph of a matroid. *SIAM J. Appl. Math.* **22** (1972), 187–193. PPS
- Hook J. and G. Isaak, Star-critical Ramsey numbers. *Discrete Appl. Math.* **159** (2011), 328–334. PPS
- Hopcroft J.E. and R.M. Karp, An  $n^{5/2}$  algorithm for maximum matchings in bipartite graphs. *SIAM J. Comput.* **2** (1973), 225–231. PPS
- Hopcroft J.E. and R.E. Tarjan, Efficient Planarity Testing. *J. Assoc. Comput. Mach.* **21** (1974), 549–568. PPS
- Horadam A.F., A generalized Fibonacci sequence. *Amer. Math. Monthly* **68** (1961), 455–459. PPS
- Horák P. and Z. Tuza, A coloring problem related to the Erdős-Faber-Lovász conjecture. *J. Combin. Th. B* **50** (1990), 321–322. PPS
- Hoşten S. and W.D. Morris, Jr., The order dimension of the complete graph. *Discrete Math.* **201** (1999), 133–139. PPS
- Howard F.T., The number of multinomial coefficients divisible by a fixed power of a prime. *Pacific J. Math.* **50** (1974), 99–108. PPS
- Howard University, Problem E3170. *Amer. Math. Monthly* **83** (1986), 650. Solution **96** (1989), 359–361. PPS
- Hsieh W.N. and D.J. Kleitman, Normalized matching in direct products of partial orders. *Studies in Appl. Math.* **52** (1973), 285–289. PPS

- Huang D. and D. Scully, Periodic points of the open-tent function. *Math. Mag.* **76** (2003), 204–213. PPS
- Huang D. and D. Scully, Problem 11052. *Amer. Math. Monthly* **110** (2003), 957. Solution **113** (2006), 183. PPS
- Hughes D.R. and F.C. Piper, *Design theory* (Cambridge Univ. Press, 1985). PPS
- Huneke C., The friendship theorem. *Amer. Math. Monthly* **109** (2002), 192–194. PPS
- Hurlbert G.H., A short proof that  $n^3$  is not a circle containment order. *J. Order* **5** (1988), 235–237. PPS
- Hutchinson J.P., Problem 10478. *Amer. Math. Monthly* **102** (1995), 746. Solution **105** (1998), 274–275. PPS
- Hutchinson J.P., Arc- and circle-visibility graphs. *Australas. J. Combin.* **25** (2002), 241–262. PPS
- Hutchinson J.P. and P.B. Trow, Some pigeonhole principle results extended. *Amer. Math. Monthly* **87** (1980), 648–651. PPS
- Huxley M., The difference between consecutive primes. In *Analytic Number Theory (St. Louis Univ., 1972), Proc. Sympos. Pure Math* **24** (Amer. Math. Soc., 1973), 141–145. PPS
- Igusa K., Solution of the Bulgarian solitaire conjecture. *Math. Mag.* **58** (1985), 259–271. PPS
- Ionin Y., Solution to problem 11678. *Amer. Math. Monthly* **121** (2014), 952–953. Proposed **119** (2012), 880. PPS
- Isaacs R., Infinite families of nontrivial trivalent graphs which are not Tait colorable. *Amer. Math. Monthly* **82** (1975), 221–239. PPS
- Ishigami Y., Proof of a conjecture of Bollobás and Kohayakawa on the Erdős-Stone theorem. *J. Combin. Th. B* **85** (2002), 222–254. PPS
- Itai A. and M. Rodeh, Covering a graph by circuits. In *Automata, Langs. and Prog. (Udine, 1978), Lect. Notes Comp. Sci.* **62** (Springer-Verlag, 1978), 289–99. PPS
- Jackson B., Hamilton cycles in regular 2-connected graphs. *J. Combin. Th. B* **29** (1980), 27–46. PPS
- Jackson B., Hamilton cycles in 7-connected line graphs (1989). Unpublished preprint. PPS
- Jackson B. and O. Ordaz, Chvátal-Erdős conditions for paths and cycles in graphs and digraphs. A survey. *Discrete Math.* **84** (1990), 241–254. PPS
- Jacobi C.G.J., De resolutione aequationum per series infinitas. *J. Reine Angew. Math.* **6** (1830), 257–286. PPS
- Jacobson M.S., F.R. McMorris, and H.M. Mulder, Tolerance Intersection Graphs (Kalamazoo, 1988). In *Graph Theory, Combinatorics, and Applications* (Y. Alavi, G. Chartrand, O.R. Oellerman and A.J. Schwenk, eds.) (Wiley, 1991), 705–724. PPS
- Jahanbekam S. and D.B. West, New lower bounds for matching numbers of general and bipartite graphs. *Congr. Numer.* **218** (2013), 57–59. PPS
- Jamison R.E., Covering finite fields with cosets of subspaces. *J. Combin. Th. A* **22** (1977), 253–266. PPS
- Jamison R.E., Orientable edge colorings of graphs. *Discrete Appl. Math.* **159** (2011), 595–604. PPS
- Jamison R.E., T. Jiang, and A.C.H. Ling, Constrained Ramsey numbers of graphs. *J. Graph Theory* **42** (2003), 1–16. PPS
- Jamison R.E. and D.B. West, On pattern Ramsey numbers of graphs. *Graphs Combin.* **20** (2004), 333–339. PPS
- Janson S., T. Łuczak, and A. Ruciński, *Random Graphs* (Wiley-Interscience, 2000). PPS
- Janssen J.C.M., The Dinitz problem solved for rectangles. *Bull. Amer. Math. Soc. (N.S.)* **29** (1993), 243–249. PPS
- Jarník V., O jistém problému minimálním. *Acta Societatis Scientiarum Natur. Moraviae* **6** (1930), 57–63. PPS
- Jendrol' S., A short proof of Kotzig's theorem on minimal edge weights of convex 3-polytopes (1999), 35–38. PPS
- Jendrol' S. and H.J. Voss, Light subgraphs of graphs embedded in the plane—a survey. *Discrete Math.* **313** (2013), 406–421. PPS
- Jensen T.R. and B. Toft, *Graph coloring problems, Wiley-Interscience Series in Discrete Mathematics and Optimization* (Wiley & Sons, 1995). PPS
- Jerrum M., A. Sinclair, and E. Vigoda, A polynomial-time approximation algorithm for the permanent of a matrix with non-negative entries. In *Proceedings of the Thirty-Third Annual ACM Symposium on Theory of Computing* (ACM, 2001), 712–721. PPS
- Jiang T., K.G. Milans, and D.B. West, Degree Ramsey numbers for cycles and blowups of trees. *European J. Combin.* **34** (2013), 414–423. PPS
- Jiang T. and D. Mubayi, New upper bounds for a canonical Ramsey problem. *Combinatorica* **20** (2000), 141–146. PPS
- Jichang S. and D.J. Kleitman, Superantichains in the lattice of partitions of a set. *Studies in applied mathematics* **71** (1984), 207–241. PPS
- Johansson K.R., *Variations on a theorem by van der Waerden* (Univ. Manitoba, 2007). Masters Thesis. (<http://mspace.lib.umanitoba.ca/bitstream/handle/1993/321/thesismain.pdf>) PPS
- Johnson D.M., A.L. Dulmage, and N.S. Mendelsohn, Orthomorphisms of groups and orthogonal latin squares. I. *Canad. J. Math.* **13** (1961), 356–372. PPS
- Johnson N.L. and S. Kotz, *Urn models and their application* (Wiley, 1977). PPS
- Jonsson J. and J.G. Propp, Problem 11298. *Amer. Math. Monthly* **114** (2007), 547. Solution **116** (2009), 371–372. PPS
- Jordan C., Sur les assemblages de lignes. *J. Reine Angew. Math.* **70** (1869), 185–190. PPS
- Jordan C., Questions de probabilités. *Bull. Soc. Math. France* **1** (1872), 256–258. PPS
- Jorza A., Problem 10856. *Amer. Math. Monthly* **108** (2001), 172. Solution **113** (2006), 180–183. PPS
- Joyal A., Une théorie combinatoire des séries formelles. *Adv. in Math.* **42** (1981), 1–82. PPS

- Józsa S. and E. Szemerédi, The number of unit distance on the plane. In *Infinite and finite sets (Colloq., Keszthely, 1973; dedicated to P. Erdős on his 60th birthday)* **2** (North-Holland, 1975), 939–950. Colloq. Math. Soc. Janos Bolyai, Vol. 10. PPS
- Juarez H.A. and G. Salazar, Drawings of  $C_m \times C_n$  with one disjoint family. II. *J. Combin. Th. B* **82** (2001), 161–165. PPS
- Jukna S., *Extremal combinatorics (2nd ed.)*, *Texts in Theoretical Computer Science. An EATCS Series* (Springer, 2011). PPS
- Juvan M., B. Mohar, and R. Škrekovski, On list edge-colorings of subcubic graphs. *Discrete Math.* **187** (1998), 137–149. PPS
- Juvan M., B. Mohar, and R. Škrekovski, List total colourings of graphs. *Combin. Probab. Comput.* **7** (1998b), 181–188. PPS
- Juvan M., B. Mohar, and R. Škrekovski, Graphs of degree 4 are 5-edge-choosable. *J. Graph Theory* **32** (1999), 250–264. PPS
- Kahn J., Asymptotically good list-colorings. *J. Combin. Th. A* **73** (1996), 1–59. PPS
- Kahn J., On some hypergraph problems of Paul Erdős and the asymptotics of matchings, covers and colorings. In *The mathematics of Paul Erdős, I, Algorithms Combin.* **13** (Springer, 1997), 345–371. PPS
- Kahn J. and G. Kalai, A counterexample to Borsuk’s conjecture. *Bull. Amer. Math. Soc. (N.S.)* **29** (1993), 60–62. PPS
- Kahn J. and J.H. Kim, Entropy and sorting. *J. Comput. System Sci.* **51** (1995), 390–399. PPS
- Kahn J. and N. Linial, Balancing extensions via Brunn-Minkowski. *Combinatorica* **11** (1991), 363–368. PPS
- Kahn J. and M.E. Saks, Balancing poset extensions. *Order* **1** (1984), 113–126. PPS
- Kainen P.C., A generalization of the 5-color theorem. *Proc. Amer. Math. Soc.* **45** (1974), 450–453. PPS
- Kaiser T.s., R. Luko’ tka, and E. Rollová, Nowhere-zero flows in signed graphs: a survey. In *Selected topics in graph theory and its applications, Lect. Notes Semin. Interdiscip. Mat.* **14** (Semin. Interdiscip. Mat. (S.I.M.), Potenza, 2017), 85–104. PPS
- Kaiser T.s., Z.e. Ryjá’ cek, D. Krá’ f, M. Rosenfeld, and H.J. Voss, Hamilton cycles in prisms. *J. Graph Th.* **56** (2007), 249–269. PPS
- Kalbfleisch J.D., J.G. Kalbfleisch, and R. Stanton, A combinatorial problem on convex  $n$ -gons. In *Proc Louisiana Conf. on Combinatorics, Graph Theory and Computing (Louisiana State Univ., 1970)(RC Mullin, KB Reid, and DP Roselle, eds.)* (1970), 180–188. PPS
- Kalbfleisch J.G., Upper bounds for some Ramsey numbers. *J. Combin. Th.* **2** (1967), 35–42. PPS
- Kampen G.R., Orienting planar graphs. *Discrete Math.* **14** (1976), 337–341. PPS
- Kantrowitz M., Problem E3130. *Amer. Math. Monthly* **93** (1986), 131. Solution **95** (1988), 555–556. PPS
- Kapoor S.F., A.D. Polimeni, and C.E. Wall, Degree sets for graphs. *Fund. Math.* **95** (1977), 189–194. PPS
- Karaganis J.J., On the cube of a graph. *Canad. Math. Bull.* **11** (1968), 295–296. PPS
- Karavaynov B. and T.S. Vassilev, Solution to problem 11798. *Amer. Math. Monthly* **124** (2017). Proposed **121** (2014). PPS
- Karger D.R., P.N. Klein, and R.E. Tarjan, A randomized linear-time algorithm to find minimum spanning trees. *J. Assoc. Comput. Mach.* **42** (1995), 321–328. PPS
- Karp R.M., Reducibility among combinatorial problems. In *Complexity of computer computations (Proc. Sympos., IBM Thomas J. Watson Res. Center, Yorktown Heights, N.Y., 1972)* (Plenum, 1972), 85–103. PPS
- Ká rteszi F., Piani finiti ciclici come risoluzioni di un certo problema di minimo. (Italian). *Boll. Un. Mat. Ital. (3)* **15** (1960), 522–528. PPS
- Kasteleyn P.W., The statistics of dimers on a lattice, I. The number of dimer arrangements on a quadratic lattice. *Physica* **27** (1961), 1209–1225. PPS
- Kasteleyn P.W., Dimer statistics and phase transitions. *J. Math. Phys.* **4** (1963), 287–293. PPS
- Kasteleyn P.W., A soluble self-avoiding walk problem. *Physica* **29** (1963), 1329–1337. PPS
- Kasteleyn P.W., Graph theory and crystal physics. In *Graph Theory and Theoretical Physics* (Acad. Press, 1967), 43–110. PPS
- Kászonyi L. and Z. Tuza, Saturated graphs with minimal number of edges. *J. Graph Theory* **10** (1986), 203–210. PPS
- Katerinis P., Some conditions for the existence of  $f$ -factors. *J. Graph Theory* **9** (1985), 513–521. PPS
- Katona G.O.H., Intersection theorems for systems of finite sets. *Acta Math. Acad. Sci. Hungar* **15** (1964), 329–337. PPS
- Katona G.O.H., A theorem of finite sets. In *Theory of graphs (Proc. Colloq., Tihany, 1966)* (Academic Press, 1968), 187–207. PPS
- Katona G.O.H., A generalization of some generalizations of Sperner’s theorem. *J. Combinatorial Theory B* **12** (1972), 72–81. PPS
- Katona G.O.H., A simple proof of the Erdős-Chao Ko-Rado theorem. *J. Combinatorial Theory B* **13** (1972), 183–184. PPS
- Kauers M., Problem 11545. *Amer. Math. Monthly* **118** (2011), 84. Solution **119** (2012), 885–886. PPS
- Kawarabayashi K.i., A survey on Hamiltonian cycles. In *Proc. Workshop on Graph. Th. and Related Topics (Sendai, 1999)*, **7** (2001), 25–39. PPS
- Kearnes K.A. and E.W. Kiss, Finite algebras of finite complexity. *Discrete Math.* **207** (1999), 89–135. PPS

- Keevash P., Shadows and intersections: stability and new proofs. *Adv. Math.* **218** (2008), 1685–1703. PPS
- Keevash P., Hypergraph Turán problems. In *Surveys in combinatorics 2011, London Math. Soc. Lecture Note Ser.* **392** (Cambridge Univ. Press, 2011), 83–139. PPS
- Keevash P., The existence of designs (2014). (arXiv:1401.3665) PPS
- Kellogg A., Problem 10585. *Amer. Math. Monthly* **104** (1997), 361. Solution **106** (1999), 170–171. PPS
- Kelly D., The 3-irreducible partially ordered sets. *Canad. J. Math.* **29** (1977), 367–383. PPS
- Kelly D., On the dimension of partially ordered sets. *Discrete Math.* **35** (1981), 135–156. PPS
- Kelly D. and W.T. Trotter, Jr., Dimension theory for ordered sets. In *Ordered sets (Banff, Alta., 1981), NATO Adv. Study Inst. C: Math. Phys. Sci.* **83** (Reidel, 1982), 171–211. PPS
- Kelly J.B. and L.M. Kelly, Paths and circuits in critical graphs. *Amer. J. Math.* **76** (1954), 786–792. PPS
- Kelmans A.K., The number of trees in a graph, I. *Automat. Remote Control* **26** (1965), 2118–2129. PPS
- Kelmans A.K., Connectivity of probabilistic networks. *Automat. Remote Control* **28** (1967), 98–116. PPS
- Kelmans A.K., The properties of the characteristic polynomial of a graph (Russian). *Cybernetics* **4** (Izdat. “Énergija”, 1967), 27–41. PPS
- Kelmans A.K., The concept of a vertex in a matroid, the nonseparating cycles of a graph and a new criterion for graph planarity. In *Algebraic methods in graph theory, Vol. I, II (Szeged, 1978)* (L. Lovász and V.T. Sós, eds.), *Coll. Math. Soc. János Bolyai* **25** (North-Holland, 1981a), 345–388. PPS
- Kelmans A.K., A new planarity criterion for 3-connected graphs. *J. Graph Th.* **5** (1981b), 259–267. PPS
- Kelmans A.K., Finding special subdivisions of  $K_4$  in a graph. In *Finite and infinite sets, Vol. I, II (Eger, 1981), Colloq. Math. Soc. János Bolyai* **37** (North-Holland, 1984a), 487–508. PPS
- Kelmans A.K., A strengthening of the Kuratowski planarity criterion for 3-connected graphs. *Discrete Math.* **51** (1984b), 215–220. PPS
- Kelmans A.K., On Hamiltonicity of {claw, net}-free graphs. *Discrete Math.* **306** (2006), 2755–2761. PPS
- Kelmans A.K. and V.M. Chelnokov, A certain polynomial of a graph and graphs with an extremal number of trees. *J. Combin. Th. B* **16** (1974), 197–214. PPS
- Kempe A.B., On the geographical problem of four colours. *Amer. J. Math.* **2** (1879), 193–200. PPS
- Kendall M.G. and B.B. Smith, On the method of paired comparisons. *Biometrika* **31** (1940), 324–345. PPS
- Kerimov A., Problem 11454. *Amer. Math. Monthly* **116** (2009), 746. Solution **118** (2011), 659. PPS
- Keselman G., Solution to problem 11274. *Amer. Math. Monthly* **115** (2008), Proposed **114** (2007), 165. PPS
- Kézdy A.E. and H.r.C. Snevily, Distinct sums modulo  $n$  and tree embeddings. *Combin. Probab. Comput.* **11** (2002), 35–42. PPS
- Khan M.A., Problem E3451. *Amer. Math. Monthly* **98** (1991), 645. Solution **100** (1993), 303. PPS
- Kharaghani H. and B. Tayfeh-Rezaie, Some new orthogonal designs in orders 32 and 40. *Discrete Math.* **279** (2004), 317–324. PPS
- Khare C.B., Problem E3315. *Amer. Math. Monthly* **96** (1989), 253. Solution **98** (1991), 366–367. PPS
- Kierstead H.A., Long stars specify  $\chi$ -bounded classes. In *Sets, graphs and numbers (Budapest, 1991), Colloq. Math. Soc. János Bolyai* **60** (North-Holland, 1992), 421–428. PPS
- Kierstead H.A., On the choosability of complete multipartite graphs with part size three. *Discrete Math.* **211** (2000), 255–259. PPS
- Kierstead H.A. and A.V. Kostochka, Efficient graph packing via game colouring. *Combin. Probab. Comput.* **18** (2009), 765–774. PPS
- Kierstead H.A. and S.G. Penrice, Recent results on a conjecture of Gyárfás. In *Proc. 21st Southeastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton)*, **79** (1990), 182–186. PPS
- Kierstead H.A. and S.G. Penrice, Radius two trees specify  $\chi$ -bounded classes. *J. Graph Th.* **18** (1994), 119–129. PPS
- Kierstead H.A., A. Salmon, and R. Wang, On the choice number of complete multipartite graphs with part size four (2014). (arXiv:1407.3817v1) PPS
- Kierstead H.A. and W.T. Trotter, Jr., Explicit matchings in the middle levels of the Boolean lattice. *Order* **5** (1988), 163–171. PPS
- Kierstead H.A. and W.T. Trotter, Jr., A note on removable pairs. In *Graph theory, combinatorics, and applications. Vol. 2 (Kalamazoo, MI, 1988), Wiley-Intersci. Publ.* (Wiley, 1991), 739–742. PPS
- Kierstead H.A. and Y. Zhu, Radius three trees in graphs with large chromatic number. *SIAM J. Discr. Math.* **17** (2004), 571–581. PPS
- Kim J.H., The Ramsey number  $R(3, t)$  has order of magnitude  $t^2 / \log t$ . *Random Structures Algorithms* **7** (1995), 173–207. PPS
- Kim S.J. and W.J. Park, List dynamic coloring of sparse graphs. In *Combinatorial optimization and applications, Lecture Notes in Comput. Sci.* **6831** (Springer, 2011), 156–162. PPS
- Kimble R.J., Jr, *Extremal Problems in Dimension-Theory for Partially-Ordered Sets* (ProQuest, 1973). Ph.D. Thesis, Massachusetts Inst. Tech. PPS
- Kimble R.J., Jr. and A.J. Schwenk, On universal caterpillars. In *The theory and applications of graphs (Kalamazoo, 1980)* (Wiley, 1981), 437–447. PPS
- Kirchhoff G., über die auflösung der gleichungen, auf welche man bei der untersuchung der linearen verteilung galvanischer ströme geführt wird. *Ann. Phys. Chem.* **72** (1847), 497–508. PPS

- Kirdar M.S. and T.H.R. Skyrme, On an identity relating to partitions and repetitions of parts. *Canad. J. Math.* **34** (1982), 194–195. PPS
- Kirkman T.P., On a problem in combinations. *Cambridge and Dublin Math. J.* **2** (1847), 191–204. PPS
- Kirkman T.P. In *The Lady's and Gentleman's Diary, (J. Greenhill, 1850)* (1850). PPS
- Klavžar S., U. Milutinović, and C. Petr, On the Frame-Stewart algorithm for the multi-peg Tower of Hanoi problem. *Discrete Appl. Math.* **120** (2002), 141–157. PPS
- Klavžar S. and M. Petkovšek, Problem E3281. *Amer. Math. Monthly* **95** (1988), 655. Solution **97** (1990), 924–925. PPS
- Klazar M., The Füredi-Hajnal conjecture implies the Stanley-Wilf conjecture. In *Formal power series and algebraic combinatorics (Moscow, 2000)* (Springer, 2000), 250–255. PPS
- Kleitman D.J., On a lemma of Littlewood and Offord on the distribution of certain sums. *Math. Z.* **90** (1965), 251–259. PPS
- Kleitman D.J., Families of non-disjoint subsets. *J. Combin. Th.* **1** (1966), 153–155. PPS
- Kleitman D.J., On families of subsets of a finite set containing no two disjoint sets and their union. *J. Combinatorial Theory* **5** (1968), 235–237. PPS
- Kleitman D.J., The crossing number of  $K_{5,n}$ . *J. Combin. Th.* **9** (1970), 315–323. PPS
- Kleitman D.J., On an extremal property of antichains in partial orders. The LYM property and some of its implications and applications. In *Combinatorics (Proc. NATO Advanced Study Inst., Breukelen, 1974), Part 2: Graph theory; foundations, partitions and combinatorial geometry* (Math. Centrum, 1974), 77–90. Math. Centre Tracts, No. 56. PPS
- Kleitman D.J., A note on some subset identities. *Studies in Appl. Math.* **54** (1975), 289–292. PPS
- Kleitman D.J., Extremal hypergraph problems. In *Surveys in combinatorics (Proc. Seventh British Combinatorial Conf., 1979), London Math. Soc. Lecture Note Ser. 38* (Cambridge Univ. Press, 1979), 44–65. PPS
- Kleitman D.J., Extremal problems on hypergraphs. In *Extremal problems for finite sets (Visegrád, 1991), Bolyai Soc. Math. Stud.* **3** (János Bolyai Math. Soc., 1994), 355–374. PPS
- Kleitman D.J. and T.L. Magnanti, On the number of latent subsets of intersecting collections. *J. Combin. Th. A* **16** (1974), 215–220. PPS
- Kleitman D.J. and G. Markowsky, On Dedekind's problem: the number of isotone Boolean functions. II. *Trans. Amer. Math. Soc.* **213** (1975), 373–390. PPS
- Klešč M., R.B. Richter, and I. Stobert, The crossing number of  $C_5 \times C_n$ . *J. Graph Theory* **22** (1996), 239–243. PPS
- Klotz W., A constructive proof of Kuratowski's Theorem. *Ars Combinatoria* **28** (1989), 51–54. PPS
- Klove T., Problem 10460. *Amer. Math. Monthly* **102** (1995), 553. Solution **105** (1998), 69. PPS
- Kneser M., Aufgabe 300 (German). *Jahresber Deutsch. Math.-Verein* **58** (1955), 27. PPS
- Knuth D.E., *The Art of Computer Programming, Vol. 1: Fundamental Algorithms* (Addison-Wesley, 1968). Also 1973, 1997. PPS
- Knuth D.E., Permutations, matrices, and generalized Young tableaux. *Pacific J. Math.* **34** (1970), 709–727. PPS
- Knuth D.E., *The Art of Computer Programming. Vol. 3: Sorting and searching* (Addison-Wesley, 1973). PPS
- Knuth D.E., Big omicron and big omega and big theta. *ACM SIGACT News* **8** (1976), 18–24. PPS
- Knuth D.E., *Mariages Stables* (Les Presses de l'Univ. de Montréal, 1976a). English trans. AMS, 1997. PPS
- Knuth D.E., Problem E3463. *Amer. Math. Monthly* **98** (1991), 852. Solution **100** (1993), 693–694. PPS
- Knuth D.E., Problem 10298. *Amer. Math. Monthly* **100** (1993), 400. Solution **103** (1996), 80–81. PPS
- Knuth D.E., Problem 10546. *Amer. Math. Monthly* **103** (1996), 695. Solution **105** (1998), 867–868. PPS
- Knuth D.E., Problem 10720. *Amer. Math. Monthly* **106** (1999), 264. Solution **110** (2003), 60–61. PPS
- Knuth D.E., Problem 11151. *Amer. Math. Monthly* **112** (2005), 367. Solution **114** (2007), 265–266. PPS
- Knuth D.E., Problem 11274. *Amer. Math. Monthly* **114** (2007), 165. Solution **116** (2009), 548–549. PPS
- Knuth D.E., Problem 11452. *Amer. Math. Monthly* **116** (2009), 648. Solution **118** (2011), 657. PPS
- Knuth D.E. and T.J. Buckholtz, Computation of tangent, Euler, and Bernoulli numbers. *Math. Comp.* **21** (1967), 663–688. PPS
- Knuth D.E. and J. McCarthy, Problem E3429. *Amer. Math. Monthly* **98** (1991), 264. Solution **99** (1992), 684. PPS
- Koebe P., Kontaktprobleme der konformen Abbildung (German). *Berichte Über die Verhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig, Math.-Phys. Klasse* **88** (1936), 141–164. PPS
- Kohayakawa Y., Szemerédi's regularity lemma for sparse graphs. In *Foundations of computational mathematics (Rio de Janeiro, 1997)* (Springer, 1997), 216–230. PPS
- Kohayakawa Y., M. Rödl, V., and E. Szemerédi, Sparse partition universal graphs for graphs of bounded degree. *Adv. Math.* **226** (2011), 5041–5065. PPS
- Kohayakawa Y. and V. Rödl, Szemerédi's regularity lemma and quasi-randomness. In *Recent advances in algorithms and combinatorics, CMS Books Math. / Ouvrages Math. SMC* **11** (Springer, 2003), 289–351. PPS
- Köhler E., über das Oberwolfacher Problem. In *Beiträge zur geometrischen Algebra (Proc. Sympos., Duisburg, 1976), Lehrbücher Monograph. Geb. Exakten Wissensch., Math. Reihe* **21** (Birkhäuser, Basel, 1977), 189–201. PPS
- Kollár J., L. Rónyai, and T. Szabó, Norm-graphs and bipartite Turán numbers. *Combinatorica* **16** (1996), 399–406. PPS
- Komlós J., G.N. Sárközy, and E. Szemerédi, Blow-up lemma. *Combinatorica* **17** (1997), 109–123. PPS

- Komlós J., A. Shokoufandeh, M. Simonovits, and E. Szemerédi, The regularity lemma and its applications in graph theory. In *Theoretical aspects of computer science (Tehran, 2000)*, *Lect. Notes Comp. Sci.* **2292** (Springer, 2002), 84–112. PPS
- Komlós J. and M. Simonovits, Szemerédi’s regularity lemma and its applications in graph theory. In *Combinatorics, Paul Erdős is eighty, Vol. 2 (Keszthely, 1993)*, *Bolyai Soc. Math. Stud.* **2** (János Bolyai Math. Soc., 1996), 295–352. PPS
- Komlós J. and E. Szemerédi, Topological cliques in graphs II. *Combin. Probab. Comput.* **5** (1996), 79–90. PPS
- Komm H., On the dimension of partially ordered sets. *Amer. J. Math.* **70** (1948), 507–520. PPS
- Kong J., W. Wang, and X. Zhu, The surviving rate of planar graphs. *Theoret. Comput. Sci.* **416** (2012), 65–70. PPS
- Konheim A.G. and B. Weiss, An occupancy discipline and applications. *SIAM J. Applied Math.* **14** (1966), 1266–1274. PPS
- König D., Über Graphen und ihre Anwendung auf Determinantentheorie und Mengenlehre. *Math. Ann.* **77** (1916), 453–465. PPS
- König D., Graphen und Matrizen. *Mat. Lapok* **38** (1931), 116–119. PPS
- König D., *Theorie der endlichen und unendlichen Graphen* (Akademische Verlagsgesellschaft, 1936). Also Chelsea, 1950; Teubner, 1986. PPS
- Kopylov G.N., Maximal paths and cycles in a graph. *Dokl. Akad. Nauk SSSR* **234** (1977), 19–21. PPS
- Korshunov A.D., The number of monotone Boolean functions. *Problemy Kibernet.* (1981), 5–108, 272. PPS
- Koshy T., *Fibonacci and Lucas numbers with applications, Pure and Applied Mathematics (New York)* (Wiley-Interscience, 2001). PPS
- Kostochka A. and M. Yancey, Ore’s conjecture for  $k = 4$  and Grötzsch’s theorem. *Combinatorica* **34** (2014), 323–329. PPS
- Kostochka A.V., The total coloring of a multigraph with maximal degree 4. *Discrete Math.* **17** (1977), 161–163. PPS
- Kostochka A.V., The minimum Hadwiger number for graphs with a given mean degree of vertices. *Metody Diskret. Analiz.* (1982), 37–58. PPS
- Kostochka A.V., The total chromatic number of any multigraph with maximum degree five is at most seven. *Discrete Math.* **162** (1996), 199–214. PPS
- Kostochka A.V., Extremal problems on  $\Delta$ -systems. In *Numbers, information and complexity (Bielefeld, 1998)* (Kluwer Acad. Publ., 2000), 143–150. PPS
- Kostochka A.V., A new tool for proving Vizing’s theorem. *Discrete Math.* **326** (2014), 1–3. PPS
- Kostochka A.V., M.J. Pelsmayer, and D.B. West, A list analogue of equitable coloring. *J. Graph Theory* **44** (2003), 166–177. PPS
- Kostochka A.V. and V. Rödl, On graphs with small Ramsey numbers. II. *Combinatorica* **24** (2004), 389–401. PPS
- Kostochka A.V. and N. Sheikh, On the induced Ramsey number  $IR(P_3, H)$ . In *Topics in discrete mathematics, Algorithms Combin.* **26** (Springer, 2006), 155–167. PPS
- Kostochka A.V. and D.B. West, Chvátal’s condition cannot hold for both a graph and its complement. *Discuss. Math. Graph Theory* **26** (2006), 73–76. PPS
- Kostochka A.V. and M. Yancey, Ore’s conjecture on color-critical graphs is almost true. *J. Combin. Th. B* **109** (2014), 73–101. PPS
- Kotzig A., Contribution to the theory of Eulerian polyhedra. *Mat.-Fyz. Časopis. Slovensk. Akad. Vied* **5** (1955), 101–113. PPS
- Kotzig A., Aus der Theorie der endlichen regulären Graphen dritten und vierten Grades. *Časopis Pěst. Mat.* **82** (1957), 76–92. PPS
- Kotzig A., On the theory of finite graphs with a linear factor. I, II, III. *Mat.-Fyz. Časopis. Slovensk. Akad. Vied.* **9** (1959), 73–91, 136–159 **10** (1959), 205–215. PPS
- Kotzig A., On even regular graphs of the third degree. *Mat.-Fyz. Časopis Sloven. Akad. Vied* **16** (1966), 72–75. PPS
- Kotzig A., 1-factorizations of Cartesian products of regular graphs. *J. Graph Th.* **3** (1979), 23–34. PPS
- Kotzig A. and A. Rosa, Nearly Kirkman systems. In *Proc. 5th Southeastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton)*, *Congr. Numer.* **10** (1974), 607–614. PPS
- Kouider M. and P.D. Vestergaard, Connected factors in graphs—a survey. *Graphs Combin.* **21** (2005), 1–26. PPS
- Kouril M., Computing the van der Waerden number  $W(3, 4) = 293$ . *Integers* **12** (2012), Paper No. A46, 13. PPS
- Kouril M. and J.L. Paul, The van der Waerden number  $W(2, 6)$  is 1132. *Experiment. Math.* **17** (2008), 53–61. PPS
- Kovář P., M. Kubesa, and M. Meszka, Factorizations of complete graphs into brooms. *Discrete Math.* **312** (2012), 1084–1093. PPS
- Kövári T., V.T. Sós, and P. Turán, On a problem of K. Zarankiewicz. *Colloquium Math.* **3** (1954), 50–57. PPS
- Kraitchik M., *The Gambler’s Ruin. Mathematical Recreations* (New York: W. W. Norton, 1942), 140. PPS
- Kratochvíl J., Z. Tuza, and M. Voigt, Brooks-type theorems for choosability with separation. *J. Graph Theory* **27** (1998), 43–49. PPS
- Krattenthaler C., Bijective proofs of the hook formulas for the number of standard Young tableaux, ordinary and shifted. *Electron. J. Combin.* **2** (1995), Research Paper 13. PPS
- Krattenthaler C., The enumeration of lattice paths with respect to their number of turns. In *Advances in combinatorial methods and applications to probability and statistics, Stat. Ind. Technol.* (Birkhäuser Boston, 1997), 29–58. PPS

- Krattenthaler C., Advanced determinant calculus. *Sém. Lothar. Combin.* **42** (1999), Art. B42q, 67 pp. (electronic). The Andrews Festschrift (Maratea, 1998). PPS
- Kratzke T., B. Reznick, and D.B. West, Eigensharp graphs: decomposition into complete bipartite subgraphs. *Trans. Amer. Math. Soc.* **308** (1988), 637–653. PPS
- Kriz I., A hypergraph-free construction of highly chromatic graphs without short cycles. *Combinatorica* **9** (1989), 227–229. PPS
- Król M., On a sufficient and necessary condition of 3-colorableness for the planar graphs. I, II. *Prace Nauk. Inst. Mat. Fiz. Teoret. Politechn. Wrocław. Ser. Studia i Materiały* (1972), 37–40. PPS
- Kruskal J.B., On the shortest spanning subtree of a graph and the traveling salesman problem. *Proc. Am. Math. Soc.* **7** (1956), 48–50. PPS
- Kruskal J.B., The number of simplices in a complex. In *Mathematical optimization techniques* (Univ. California Press, 1963), 251–278. PPS
- Kubale M. (ed.), *Graph colorings, Contemporary Mathematics* **352** (AMS, 2004). PPS
- Kubicka E. and A.J. Schwenk, An introduction to chromatic sums. In *Proc. ACM Computer Science Conference, Louisville, Kentucky* (1989), 39–45. PPS
- Kuczma M.S., A multi-well problem for phase transformations. In *The mathematics of finite elements and applications, X, MAFELAP 1999 (Uxbridge)* (Elsevier, 2000), 271–282. PPS
- Kuhn H.W., The Hungarian method for the assignment problem. *Naval Research Logistics Quarterly* **2** (1955), 83–97. PPS
- Kündgen A., Art galleries with interior walls. *Discrete Comput. Geom.* **22** (1999), 249–258. PPS
- Kündgen A. and R. Ramamurthi, Coloring face-hypergraphs of graphs on surfaces. *J. Combin. Th. B* **85** (2002), 307–337. PPS
- Kuo E.H., Applications of graphical condensation for enumerating matchings and tilings. *Theoret. Comput. Sci.* **319** (2004), 29–57. PPS
- Kuperberg G., Symmetries of plane partitions and the permanent-determinant method. *J. Combin. Th. A* **68** (1994), 115–151. PPS
- Kuperberg G., An exploration of the permanent-determinant method. *Electron. J. Combin.* **5** (1998), Research Paper 46. PPS
- Kuperberg G., Kasteleyn cokernels. *Electron. J. Combin.* **9** (2002), Research Paper 29, 30. PPS
- Kupka J., Problem E3402. *Amer. Math. Monthly* **97** (1990), 612. Solution **99** (1992), 367. PPS
- Kuratowski K., Sur le problème des courbes gauches en topologie. *Fund. Math.* **15** (1930), 271–283. PPS
- Labelle G., Une nouvelle démonstration combinatoire des formules d'inversion de Lagrange. *Adv. in Math.* **42** (1981), 217–247. PPS
- Lagrange J.L., Nouvelle méthode pour résoudre des équations littérales par le moyen de séries (French). *Mém. Acad. Roy. des Sci. et Belles-Lettres de Berlin* **24** (1770). PPS
- Lai H.J., K. Wang, and M. Zhan, The discharging method and 3-connected essentially 10-connected line graphs (2015+). PPS
- Lam C.W.H., L. Thiel, and S. Swiercz, The nonexistence of finite projective planes of order 10. *Canad. J. Math.* **41** (1989), 1117–1123. PPS
- Lamé G., Note sur la limite du nombre des divisions dans la recherche du plus grand commun diviseur entre deux nombres entiers. *C. R. Acad. Sci. Paris* **19** (1844), 867–870. PPS
- Landau E., *Handbuch der Lehre von der Verteilung der Primzahlen (German)* (Teubner, 1909). PPS
- Landau H.G., On dominance relations and the structure of animal societies, III: The condition for score structure. *Bull. Math. Biophys.* **15** (1953), 143–8. PPS
- Lander E.S., Symmetric designs and self-dual codes. *J. London Math. Soc. (2)* **24** (1981), 193–204. PPS
- Lander E.S., *Symmetric designs: an algebraic approach, London Mathematical Society Lecture Note Series* **74** (Cambridge Univ. Press, 1983). PPS
- Landman B.M. and A. Robertson, *Ramsey theory on the integers (2nd ed.)*, *Student Mathematical Library* **73** (AMS, 2014). PPS
- Larman D.G. and C.A. Rogers, The realization of distances within sets in Euclidean space. *Mathematika* **19** (1972), 1–24. PPS
- Larman D.G., C.A. Rogers, and J.J. Seidel, On two-distance sets in Euclidean space. *Bull. London Math. Soc.* **9** (1977), 261–267. PPS
- Las Vergnas M., Sur l'existence de cycles hamiltoniens dans un graphe. *C. R. Acad. Sci. Paris Sér. A-B* **270** (1970), A1361–A1364. PPS
- Las Vergnas M., A note on matchings in graphs. *Cahiers Centre Études Recherche Opér.* **17** (1975), 257–260. PPS
- Lassak M., An estimate concerning Borsuk partition problem. *Bull. Acad. Polon. Sci. Sér. Sci. Math.* **30** (1982), 449–451 (1983). PPS
- Lavallée I., Note sur le problème des Tours de Hanoi. *Acta Math. Vietnam.* **7** (1982), 131–137 (1984). PPS
- Lawler E.L., *Combinatorial Optimization: Networks and Matroids* (Holt, Rinehart, and Winston, 1976). PPS
- Lawrence J., Covering the vertex set of a graph with subgraphs of smaller degree. *Discrete Math.* **21** (1978), 61–68. PPS
- Lawrence S.L., Cycle-star Ramsey numbers. *Notices Amer. Math. Soc.* **20** (1973), A–420 (Notice #73T–157). PPS

- Laywine C.F. and G.L. Mullen, *Discrete mathematics using Latin squares*, Wiley-Interscience Series in Discrete Mathematics and Optimization (Wiley & Sons, 1998). PPS
- Lazarson T., *Independence functions in algebra* (U. London, 1957). Thesis. PPS
- Lebesgue H., Quelques conséquences simples de la formule d'Euler. *J. Math. Pures Appl.* **19** (1940), 27–43. PPS
- Lederberg J., Systematics of organic molecules, graph topology and Hamiltonian circuits (Instrumentation Res. Lab. Rept.). Tech. Rep. 1040, Stanford Univ. (1966). PPS
- Lee C., Ramsey numbers of degenerate graphs (2017). (arXiv:1505.04773) PPS
- Lefmann H., V. Rödl, and R. Thomas, Monochromatic vs multicolored paths. *Graphs Combin.* **8** (1992), 323–332. PPS
- Lefschetz S., *Introduction to Topology*, Princeton Mathematical Series, vol. 11 (Princeton Univ. Press, 1949). PPS
- Lehman A., A solution of the Shannon switching game. *J. Soc. Indust. Appl. Math.* **12** (1964), 687–725. PPS
- Lehmer D.H., Lacunary recurrence formulas for the numbers of Bernoulli and Euler. *Ann. of Math. (2)* **36** (1935), 637–649. PPS
- Leighton F.T., *Complexity Issues in VLSI: optimal layouts for the shuffle-exchange graph and other networks*, Foundations of Computing (MIT Press, 1983). PPS
- Lekkerkerker C.G., Representation of natural numbers as a sum of Fibonacci numbers. *Simon Stevin* **29** (1952), 190–195. PPS
- LeSaulnier T., Finding a repeated difference (solution to problem 11084). *Amer. Math. Monthly* **113** (2006), 371–372. Proposed **111** (2004), 440. PPS
- Lesniak L.M., Hamiltonicity in some special classes of graphs. *Congr. Numer.* **116** (1996), 53–70. PPS
- Leuck D.H., Solution to problem E3057. *Amer. Math. Monthly* **94** (1987), 187–188. Proposed **91** (1984), 515. PPS
- Li H., Generalizations of Dirac's theorem in Hamiltonian graph theory—a survey. *Discrete Math.* **313** (2013), 2034–2053. PPS
- Li Q., M.Q. Tao, and Y.Q. Shen, The bandwidth of the discrete tori  $C_m \times C_n$ . *J. China Univ. Sci. Tech.* **11** (1981), 1–16. PPS
- Li S.Y.R. and W.C.W. Li, Independence numbers of graphs and generators of ideals. *Combinatorica* **1** (1981), 55–61. PPS
- Li X.L., The connectivity of path graphs. In *Combinatorics, graph theory, algorithms and applications (Beijing, 1993)* (World Sci. Publ., 1994), 187–192. PPS
- Lick D.R., Characterizations of  $n$ -connected and  $n$ -line-connected graphs. *J. Combin. Th. B* **14** (1973), 122–124. PPS
- Liggett T.M., Extensions of the Erdős-Ko-Rado theorem and a statistical application. *J. Combinatorial Th. A* **23** (1977), 15–21. PPS
- Lih K.W., C.Y. Lin, and L.D. Tong, On an interpolation property of outerplanar graphs. *Discrete Appl. Math.* **154** (2006), 166–172. PPS
- Lindner C.C. and C.A. Rodger, On equationally defining extended cycle systems. *Discrete Math.* **173** (1997), 1–14. PPS
- Lindström B., On the vector representations of induced matroids. *Bull. London Math. Soc.* **5** (1973), 85–90. PPS
- Lindström B., A partition of  $L(3, n)$  into saturated symmetric chains. *European J. Combin.* **1** (1980), 61–63. PPS
- Linial N., A lower bound for the circumference of a graph. *Discrete Math.* **15** (1976), 297–300. PPS
- Linial N., Extending the Greene-Kleitman theorem to directed graphs. *J. Combin. Th. A* **30** (1981), 331–334. PPS
- Linial N., A new derivation of the counting formula for Young tableaux. *J. Combin. Theory A* **33** (1982), 340–342. PPS
- Linial N., The information-theoretic bound is good for merging. *SIAM J. Comput.* **13** (1984), 795–801. PPS
- Liouville B., Sur la connectivité des produits de graphes. *C. R. Acad. Sci. Paris Sér. A-B* **286** (1978), A363–A365. PPS
- Lipski W., Jr., On strings containing all subsets as substrings. *Discrete Math.* **21** (1978), 253–259. PPS
- Lipton R.J. and R.E. Tarjan, A separator theorem for planar graphs. *SIAM J. Appl. Math.* **36** (1979), 177–189. PPS
- Lipton R.J. and R.E. Tarjan, Applications of a planar separator theorem. *SIAM J. Comput.* **9** (1980), 615–627. PPS
- Littlewood D.E., *The Theory of Group Characters and Matrix Representations of Groups* (Oxford Univ. Press, 1940). Also 1950. PPS
- Liu B., The theorem on partition of connected graph and its applications in graphical enumeration. *J. South China Normal Univ. (Natural Science)* **1** (1985), 51–56. PPS
- Liu C.L., *Topics in combinatorial mathematics* (MAA, 1972). MAA Summer Seminar lecture notes. PPS
- Liu J. and H. Zhou, Maximum induced matchings in graphs. *Discrete Math.* **170** (1997), 277–281. PPS
- Locke S.C., Problem 10447. *Amer. Math. Monthly* **102** (1995), 360. Solution **104** (1997), 976. PPS
- Locke S.C., Problem 10892. *Amer. Math. Monthly* **108** (2001), 668. Solution **110** (2003), 440–441. PPS
- Logan B.F. and L.A. Shepp, A variational problem for random Young tableaux. *Advances in Math.* **26** (1977), 206–222. PPS
- Long C.T., On the Moessner theorem on integral powers. *Amer. Math. Monthly* **73** (1966), 846–851. PPS
- Long C.T., Strike it out: Add it up. *Math. Gazette* **66** (1982), 438. PPS
- Long C.T., A note on Moessner's process. *Fibonacci Quart.* **24** (1986), 349–355. PPS



- Longyear J.Q. and T.D. Parsons, The friendship theorem. *Nederl. Akad. Wetensch. Proc. A* **75=Indag. Math.** **34** (1972), 257–262. PPS
- Lovász L., On graphs not containing independent circuits. *Mat. Lapok* **16** (1965), 289–299. PPS
- Lovász L., On decomposition of graphs. *Studia Sci. Math. Hungar.* **1** (1966), 237–238. PPS
- Lovász L., On chromatic number of finite set-systems. *Acta Math. Acad. Sci. Hung.* **19** (1968), 59–67. PPS
- Lovász L., On covering of graphs. In *Theory of Graphs (Tihany, 1966)* (P. Erdős and G. Katona, eds.) (Academic Press, 1968a), 231–236. PPS
- Lovász L., Normal hypergraphs and the perfect graph conjecture. *Discrete Math.* **2** (1972a), 253–267. PPS
- Lovász L., A characterization of perfect graphs. *J. Combin. Th. B* **13** (1972b), 95–98. PPS
- Lovász L., On the structure of factorizable graphs. *Acta Math. Hungarica* **23** (1972c), 179–195. PPS
- Lovász L., Problem 5. *Period. Math. Hungar.* **4** (1974), 82. PPS
- Lovász L., Three short proofs in graph theory. *J. Combin. Th. B* **19** (1975), 269–271. PPS
- Lovász L., A homology theory for spanning trees of a graph. *Acta Math. Acad. Sci. Hungar.* **30** (1977), 241–251. PPS
- Lovász L., Kneser's conjecture, chromatic number, and homotopy. *J. Combin. Th. A* **25** (1978), 319–324. PPS
- Lovász L., *Combinatorial problems and exercises* (North-Holland, 1979). PPS
- Lovász L., *Combinatorial problems and exercises, 2nd ed.* (North-Holland, 1993). Also 1993. PPS
- Lovász L., J. Nešetřil, and A. Pultr, On a product dimension of graphs. *J. Combin. Th. B* **28** (1980), 47–67. PPS
- Lovász L. and M.D. Plummer, *Matching Theory, Ann. Discrete Math.* **29** (Akademiai Kiado and North-Holland, 1986). PPS
- Lovász L. and M. Simonovits, On the number of complete subgraphs of a graph. In *Proc. 5th British Combin. Conf. (Univ. Aberdeen, 1975)*, **15** (Utilitas Math., 1976), 431–441. PPS
- Lovász L. and M. Simonovits, On the number of complete subgraphs of a graph. II. In *Studies in pure mathematics* (Birkhäuser, 1983), 459–495. PPS
- Lu X., A Chvátal-Erdős type condition for Hamiltonian graphs. *J. Graph Th.* **18** (1994), 791–800. PPS
- Lu X., D.W. Wang, and C.K. Wong, On avoidable and unavoidable claws. *Discrete Math.* **184** (1998), 259–265. PPS
- Lubell D., A short proof of Sperner's lemma. *J. Combinatorial Theory* **1** (1966), 299. PPS
- Lubell D., Problem 10992. *Amer. Math. Monthly* **110** (2003), 155. Solution **111** (2004), 827–829. PPS
- Lubotzky A., R. Phillips, and P. Sarnak, Explicit expanders and the Ramanujan conjectures. In *Proc. 18th ACM Symp. Th. Comp. (Assoc. Comput. Mach., 1986)*, 240–246. PPS
- Lubotzky A., R. Phillips, and P. Sarnak, Ramanujan graphs. *Combinatorica* **8** (1988), 261–277. PPS
- Lucas E., Sur les congruences des nombres eulériens et les coefficients différentiels des fonctions trigonométriques suivant un module premier. *Bull. Soc. Math. France* **6** (1878), 49–54. PPS
- Lucas F., Note sur les intersections de trois quadriques. *Bull. Soc. Math. France* **19** (1891), 118–119. PPS
- Lucas F., Sur les polygones inscrits dans les coniques. *Bull. Soc. Math. France* **20** (1892), 33–34. PPS
- Luce R.D., Semiorders and a theory of utility discrimination. *Econometrica* **24** (1956), 178–191. PPS
- Luo R. and C.Q. Zhang, Edge coloring of graphs with small average degrees. *Discrete Math.* **275** (2004), 207–218. PPS
- Lusternik L.A. and L. Schnirelmann, *Topological Methods in the Calculus of Variations (Russian)* (Moscow, 1930). PPS
- Lützen J., G. Sabidussi, and B. Toft, Julius Petersen 1839–1910. A biography. *Discrete Math.* **100** (1992), 5–82. PPS
- Ma M. and D.B. West, Problem 11731. *Amer. Math. Monthly* **120** (2013), 755. Solution **122** (2015), 807. PPS
- Mabry R., Bipartite graphs and the Four-color Theorem. *Bull. ICA* **14** (1995), 119–112. PPS
- Macaulay F.S., Some properties of enumeration in the theory of modular systems. *Proc. London Math. Soc.* **26** (1927), 531–555. PPS
- MacLane S., Some interpretations of abstract linear dependence in terms of projective geometry. *Amer. J. Math.* **58** (1936), 236–240. PPS
- MacMahon P.A., *Combinatory analysis, I and II* (Cambridge Univ. Press, 1916). Reprinted Chelsea, 1960; Dover, 2004. PPS
- MacNeish H.F., Euler squares. *Ann. of Math. (2)* **23** (1922), 221–227. PPS
- Maddox R., The superregular graphs (solution to Problem 6617). *Amer. Math. Monthly* **103** (1996), 600–603. Proposed **96** (1989), 942. PPS
- Madej T. and D.B. West, The interval inclusion number of a partially ordered set. *Discrete Math.* **88** (1991), 259–277. PPS
- Mader W., Homomorphieeigenschaften und mittlere Kantendichte von Graphen. *Math. Ann.* **174** (1967), 265–268. PPS
- Mader W., Homomorphiesätze für Graphen. *Math. Ann.* **178** (1968), 154–168. PPS
- Mader W., Minimale  $n$ -fach kantenzusammenhängende Graphen. *Math. Ann.* **191** (1971), 21–28. PPS
- Mader W., Existenz  $n$ -fach zusammenhängender Teilgraphen in Graphen genügend grosser Kantendichte. *Abh. Math. Sem. Univ. Hamburg* **37** (1972), 86–97. PPS
- Mader W., 1-Faktoren von Graphen. *Math. Ann.* **201** (1973), 269–282. PPS
- Mader W., A reduction method for edge-connectivity in graphs. *Ann. Discrete Math.* **3** (1978), 145–164. PPS

- Mader W., Zur Struktur minimal  $n$ -fach zusammenhängender Graphen. *Abh. Math. Sem. Univ. Hamburg* **49** (1979), 49–69. PPS
- Mader W., On vertices of degree  $n$  in minimally  $n$ -connected graphs and digraphs. In *Combinatorics, Paul Erdős is eighty (Keszthely, 1993)*, *Bolyai Soc. Math. Stud.* (János Bolyai Math. Soc., 1996), 423–449. PPS
- Mader W.,  $3n - 5$  edges do force a subdivision of  $K_5$ . *Combinatorica* **18** (1998), 569–595. PPS
- Mahmoodian S.E., On edge-colorability of Cartesian products of graphs. *Canad. Math. Bull.* **24** (1981), 107–108. PPS
- Maillet E., Contributions à la théorie des groupes. *TIM (9)* **6** (1894), 258–280. PPS
- Majumdar K.N., On some theorems in combinatorics relating to incomplete block designs. *Ann. Math. Statistics* **24** (1953), 377–389. PPS
- Mann H.B., On orthogonal Latin squares. *Bull. Amer. Math. Soc.* **50** (1950), 249–257. PPS
- Mann H.B. and H.J. Ryser, Systems of distinct representatives. *Amer. Math. Monthly* **60** (1953), 397–401. PPS
- Mantel W., Problem 28, soln. by H. Gouwentak, W. Mantel, J. Teixeira de Mattes, F. Schuh and W.A. Wythoff. *Wiskundige Opgaven* **10** (1907), 60–61. PPS
- Marcus A. and G. Tardos, Excluded permutation matrices and the Stanley-Wilf conjecture. *J. Combin. Th. A* **107** (2004), 153–160. PPS
- Marcus M. and M. Newman, On the minimum of the permanent of a doubly stochastic matrix. *Duke Math. J.* **26** (1959), 61–72. PPS
- Marcus M. and R. Ree, Diagonals of doubly stochastic matrices. *Quart. J. Math.* **2** (1959), 295–302. PPS
- Margulis G.A., Explicit constructions of concentrators. *Problems of Information Transmission* **9** (1973), 325–332. PPS
- Margulis G.A., Explicit group-theoretic constructions of combinatorial schemes and their applications in the construction of expanders and concentrators (Russian). *Problems of Information Transmission* **24** (1988), 39–46. PPS
- Marica J., Orthogonal families of sets. *Canad. Math. Bull.* **14** (1971), 573. PPS
- Martinov N., Uncontractible 4-connected graphs. *J. Graph Th.* **6** (1982), 343–344. PPS
- Matoušek J., *Using the Borsuk-Ulam theorem*, *Universitext* (Springer-Verlag, 2003). PPS
- Matoušek J., A combinatorial proof of Kneser’s conjecture. *Combinatorica* **24** (2004), 163–170. PPS
- Matoušek J., *Thirty-three miniatures*, *Student Mathematical Library* **53** (AMS, 2010). PPS
- Matoušek J. and G.M. Ziegler, Topological lower bounds for the chromatic number: a hierarchy. *Jahresber. Deutsch. Math.-Verein.* **106** (2004), 71–90. PPS
- Matsko V.J., D.B. West, and J.E. Wetzel, Trifold arrangements and cevian dissections. *J. Geom.* **72** (2001), 115–127. PPS
- Matthews M.M. and D.P. Sumner, Hamiltonian results in  $K_{1,3}$ -free graphs. *J. Graph Th.* **8** (1984), 139–146. PPS
- Matula D.W., The cohesive strength of graphs. In *The Many Facets of Graph Theory (Proc. Conf., Western Mich. Univ., Kalamazoo, Mich., 1968)* (Springer, 1969), 215–221. PPS
- Matula D.W., The employee party problem. *Notices Amer. Math. Soc.* **19** (1972), A–382. PPS
- Matula D.W., An extension of Brooks’ Theorem. Tech. Rep. 69, Center for Numerical Analysis, University of Texas–Austin (1973). PPS
- Matula D.W., Ramsey theory for graph connectivity. *J. Graph Theory* **7** (1983), 95–103. PPS
- Matula D.W. and L. Kučera, An expose-and-merge algorithm and the chromatic number of a random graph. In *Random graphs ’87 (Poznań, 1987)* (Wiley, 1990), 175–187. PPS
- Maunsell F.G., A note on Tutte’s paper “The factorization of linear graphs.”. *J. London Math. Soc.* **27** (1952), 127–128. PPS
- Maurer R., E2404. *Amer. Math. Monthly* **80** (1973), 316. Proposed **81** (1974), 287. PPS
- Maurer S., The king chicken theorems. *Math. Mag.* **53** (1980), 67–80. PPS
- Maurer S. and I. Rabinovitch, Large minimal realizers of a partial order. *Proc. Amer. Math. Soc.* **66** (1977), 211–216. PPS
- Maurer S., I. Rabinovitch, and W.T. Trotter, Jr., Large minimal realizers of a partial order II. *Discrete Math.* **31** (1980), 297–314. PPS
- McConnell R.M. and J.P. Spinrad, Modular decomposition and transitive orientation. *Discrete Math.* **201** (1999), 189–241. PPS
- McDiarmid C.J.H., The solution of a timetabling problem. *J. Inst. Math. Applies.* **9** (1972), 23–34. PPS
- McDiarmid C.J.H., Concentration. In *Probabilistic methods for algorithmic discrete mathematics, Algorithms Combin.* **16** (Springer, 1998), 195–248. PPS
- McFarland R. and H.B. Mann, On multipliers of difference sets. *Canad. J. Math.* **17** (1965), 541–542. PPS
- McKay B.D. and S.P. Radziszowski, The first classical Ramsey number for hypergraphs is computed. In *2nd Symp. Disc. Alg. (San Francisco)*, ACM-SIAM (1991), 304–308. PPS
- McKay B.D. and S.P. Radziszowski,  $R(4, 5) = 25$ . *J. Graph Th.* **19** (1995), 309–322. PPS
- McKay B.D. and K.M. Zhang, The value of the Ramsey number  $R(3, 8)$ . *J. Graph Th.* **16** (1992), 99–105. PPS
- McKee T.A., Recharacterizing Eulerian: intimations of new duality. *Discrete Math.* **51** (1984), 327–242. PPS
- McKee T.A., How chordal graphs work. *Bull. ICA* **9** (1993), 27–39. PPS
- Melham R.S. and A.G. Shannon, A generalization of the Catalan identity and some consequences. *Fibonacci Quart.* **33** (1995), 82–84. PPS

- Menger K., Zur allgemeinen Kurventheorie. *Fund. Math.* **10** (1927), 95–115. PPS
- Merca M., Problem 11767. *Amer. Math. Monthly* **121** (2014a), 267. Solution **123** (2016). PPS
- Merca M., Problem 11772. *Amer. Math. Monthly* **121** (2014b), 366. Solution **123** (2016). PPS
- Meshalkin L.D., Generalization of Sperner's theorem on the number of subsets of a finite set (Russian). *Th. Prob. Appl.* **8** (1963), 203–204. PPS
- Meyniel H., On the perfect graph conjecture. *Discrete Math.* **16** (1976), 339–342. PPS
- Micali S. and V.V. Vazirani, An  $O(\sqrt{|V|} \cdot |E|)$  algorithm for finding maximum matching in general graphs. In *Proc. 21th IEEE Symp. Found. Comp. Sci.* (Assoc. Comput. Mach., 1980), 17–27. PPS
- Mihók P., On vertex partition numbers of graphs. In *Graphs and Other Combin. Topics (Prague, 1982)*, Teubner-Texte Math. **59** (Teubner, 1983), 183–8. PPS
- Mikola M., The Lucas number as the number of spanning trees. *Práce Štúd. Vysokéj Školy Doprav. Žilina Sér. Mat.-Fyz.* **2** (1980), 69–77. PPS
- Miller Z., The bandwidth of caterpillar graphs. In *Proc. 12th Southeastern Intl. Conf. Combin. Graph Th. Comput. (Baton Rouge)*, Congr. Numer. **33** (1981), 235–252. PPS
- Mills G., A quintessential proof of van der Waerden's theorem on arithmetic progressions. *Discrete Math.* **47** (1983), 117–120. PPS
- Minty G.J., A theorem on  $n$ -coloring the points of a linear graph. *Amer. Math. Monthly* **69** (1962), 623–624. PPS
- Minty G.J., On the axiomatic foundations of the theories of directed linear graphs, electrical networks and network-programming. *J. Math. Mech.* **15** (1966), 485–520. PPS
- Mirkin B.G., Description of some relations on the set of real-line intervals. *J. Mathematical Psychology* **9** (1972), 243–252. PPS
- Mirsky L., *Transversal theory. Mathematics in Science and Engineering* **75** (Academic Press, 1971). PPS
- Mirsky L. and H. Perfect, Applications of the notion of independence to combinatorial analysis. *J. Combin. Th.* **2** (1967), 327–357. PPS
- Mirzakhani M., A small non-4-choosable planar graph. *Bull. Inst. Combin. Appl.* **17** (1996), 15–18. PPS
- Mitas J., Minimal representation of semiorders with intervals of same length. In *Orders, algorithms, and applications (Lyon, 1994)*, Lect. Notes Comp. Sci. **831** (Springer, 1994), 162–175. PPS
- Mitchem J. and E.F. Schmeichel, Pancyclic and bipancyclic graphs—a survey. In *Graphs and applications (Boulder, Colo., 1982)*, Wiley-Intersci. Publ. (Wiley, 1985), 271–278. PPS
- Moessner A., Eine Bemerkung über die Potenzen der natürlichen Zahlen. *S.-B. Math.-Nat. Kl. Bayer. Akad. Wiss.* **1951** (1951), 29 (1952). PPS
- Moews D., Optimally pebbling hypercubes and powers. *Discrete Math.* **190** (1998), 271–276. PPS
- Mohanty S.G., *Lattice path counting and applications* (Acad. Press, 1979). PPS
- Mohar B. and C. Thomassen, *Graphs on surfaces*, Johns Hopkins Studies in the Mathematical Sciences (Johns Hopkins Univ. Press, 2001). PPS
- Möhring R.H., Algorithmic aspects of comparability graphs and interval graphs. In *Graphs and order (Banff, Alta., 1984)*, NATO Adv. Sci. Inst. C Math. Phys. Sci. **147** (Reidel, Dordrecht, 1985), 41–101. PPS
- Molloy M., The probabilistic method. In *Probabilistic methods for algorithmic discrete mathematics*, Algorithms Combin. **16** (Springer, 1998), 1–35. PPS
- Molloy M. and B.A. Reed, Near-optimal list colorings. In *Proceedings of the Ninth International Conference "Random Structures and Algorithms" (Poznan, 1999)*, **17** (2000), 376–402. PPS
- Molloy M. and B.A. Reed, *Graph colouring and the probabilistic method*, Algorithms and Combinatorics **23** (Springer-Verlag, 2002). PPS
- Montágh B., A simple proof and a generalization of an old result of Chung and Feller. *Discrete Math.* **87** (1991), 105–108. PPS
- Montgomery B., *Dynamic coloring of graphs* (ProQuest LLC, 2001). Ph.D. Thesis, West Virginia University. PPS
- Montmort P.R., *Essay d'Analyse sur les Jeux de Hazard (2nd ed.)* (Paris, 1713). PPS
- Moon J.W., On the number of complete subgraphs of a graph. *Canad. Math. Bull.* **8** (1965), 831–834. PPS
- Moon J.W., On the diameter of a graph. *Michigan Math. J.* **12** (1965a), 349–351. PPS
- Moon J.W., On a problem of Ore. *Math. Gaz.* **49** (1965b), 40–41. PPS
- Moon J.W., On subtournaments of a tournament. *Canad. Math. Bull.* **9** (1966), 297–301. PPS
- Moon J.W., Various proofs of Cayley's formula for counting trees. In *A seminar on Graph Theory* (Holt, Rinehart and Winston, 1967), 70–78. PPS
- Moon J.W., *Counting Labeled Trees* (Canad. Math. Congress, 1970). PPS
- Moon J.W. and L. Moser, Almost all tournaments are irreducible. *Canad. Math. Bull.* **5** (1962), 61–65. PPS
- Moon J.W. and L. Moser, On a problem of Turán. *Magyar Tud. Akad. Mat. Kutató Int. Közl.* **7** (1962), 283–286. PPS
- Moon J.W. and L. Moser, On Hamiltonian bipartite graphs. *Israel J. Math.* **1** (1963), 163–165. PPS
- Moore E.H., Concerning triple systems. *Math. Ann.* **43** (1893), 271–285. PPS
- Moore E.H., Tactical memoranda I–III. *Am. J. Math.* **18** (1896), 264–303. PPS
- Morris W.D., Jr. and V. Soltan, The Erdős-Szekeres problem on points in convex position—a survey. *Bull. Amer. Math. Soc. (N.S.)* **37** (2000), 437–458. PPS
- Moser L., Problem 4300. *Amer. Math. Monthly* **55** (1948), 369. Solution **57** (1950), 47. PPS
- Moser L., Problem B-6: Some reflections. *Fibonacci Quarterly* **1** (1963), 75–76. PPS

- Moser R.A. and G. Tardos, A constructive proof of the general Lovász local lemma. *J. ACM* **57** (2010), Art. 11, 15. PPS
- Motwani R. and P. Raghavan, *Randomized algorithms* (Cambridge University Press, 1995). PPS
- Motzkin T.S. and E.G. Straus, Maxima for graphs and a new proof of a theorem of Turán. *Canad. J. Math.* **17** (1965), 533–540. PPS
- Mowshowitz A., The group of a graph whose adjacency matrix has all distinct eigenvalues. In *Proof Techniques in Graph Theory* (F. Harary, ed.) (Academic Press, 1969), 109–110. PPS
- Mozhan N.N., Twice critical graphs with chromatic number five. *Metody Diskret. Analiz.* (1987), 50–59, 73. PPS
- Mubayi D., Counting substructures I: color critical graphs. *Adv. Math.* **225** (2010), 2731–2740. PPS
- Muir T., *A Treatise on the Theory of Determinants* (Macmillan, 1882). Also 1906. PPS
- Mullin R. and G.C. Rota, On the foundations of combinatorial theory. III. Theory of binomial enumeration. In *Graph Theory and its Applications (Proc. Advanced Sem., Madison, WI, 1969)* (Acad. Press, 1970), 167–213. PPS
- Munkres J., Algorithms for the assignment and transportation problems. *J. Soc. Indust. Appl. Math.* **5** (1957), 32–38. PPS
- Mycielski J., Sur le coloriage des graphes. *Coll. Math.* **3** (1955), 161–162. PPS
- Myers B.R., On spanning trees, weighted compositions, Fibonacci numbers, and resistor networks. *SIAM Rev.* **17** (1975), 465–474. PPS
- Myers B.R. and R. Liu, A lower bound on the chromatic number of a graph. *Networks* **1** (1972), 273–277. PPS
- Naatz M., A connectivity lemma. In *6th International Conference on Graph Theory (Marseille, 2000)*, *Electron. Notes Discrete Math.* **5** (Elsevier, 2000), 4. PPS
- Nagy Z., A certain constructive estimate of the Ramsey number. *Mat. Lapok* **23** (1972), 301–302. PPS
- Nakasawa T., Zur Axiomatik der linearen Abhängigkeit. I [Sci. Rep. Tokyo Bunrika Daigaku Sect. A **2** (1935), no. 43, 129–149; Zbl 0012.22001]. In *A lost mathematician, Takeo Nakasawa* (Birkhäuser, 2009), 68–88. PPS
- Nakasawa T., Zur Axiomatik der linearen Abhängigkeit. II [Sci. Rep. Tokyo Bunrika Daigaku Sect. A **3** (1936), no. 51, 17–41; Zbl 0013.31406]. In *A lost mathematician, Takeo Nakasawa* (Birkhäuser, 2009), 90–114. PPS
- Nakasawa T., Zur Axiomatik der linearen Abhängigkeit. III. Schluss [Sci. Rep. Tokyo Bunrika Daigaku Sect. A **3** (1936), no. 55, 77–90; Zbl 0016.03704]. In *A lost mathematician, Takeo Nakasawa* (Birkhäuser, 2009), 116–129. PPS
- Nakayama A. and B. Péroche, Linear arboricity of digraphs. *Networks* **17** (1987), 39–53. PPS
- Narayana T.V., A combinatorial problem and its application to probability theory. I. *J. Indian Soc. Agric. Statist.* **7** (1955), 169–178. PPS
- Nasar S., *A beautiful mind* (Simon & Schuster, 1998). Also 2001. PPS
- Nash-Williams C.St.J.A., On orientations, connectivity and odd-vertex-pairings in finite graphs. *Canad. J. Math.* **12** (1960), 555–567. PPS
- Nash-Williams C.St.J.A., Edge-disjoint spanning trees in finite graphs. *J. Lond. Math. Soc.* **36** (1961), 445–450. PPS
- Nash-Williams C.St.J.A., Decomposition of finite graphs into forests. *J. Lond. Math. Soc.* **39** (1964), 12. PPS
- Nash-Williams C.St.J.A., An application of matroids to graph theory. In *Theory of Graphs, Intl. Sympos., Rome* (Dunod, 1966), 263–265. PPS
- Nash-Williams C.St.J.A., An unsolved problem concerning decomposition of graphs into triangles. *Combin. Theory and its Applications III* (1970), 1179–1183. PPS
- Naslund E. and W.F. Sawin, Upper bounds for sunflower-free sets (2016). (arXiv:1606.09575) PPS
- Nemhauser G.L. and L.A. Wolsey, *Integer and combinatorial optimization* (Wiley, 1988). PPS
- Nešetřil J. and V. Rödl, A short proof of the existence of highly chromatic hypergraphs without short cycles. *J. Combin. Th. B* **27** (1979), 225–227. PPS
- Nešetřil J. and V. Rödl, Complexity of diagrams. *Order* **3** (1987), 321–330. PPS
- Nešetřil J. and V. Rödl, Introduction: Ramsey theory old and new. In *Mathematics of Ramsey theory, Algorithms Combin.* **5** (Springer, 1990), 1–9. PPS
- Nešetřil J. and V. Rödl (eds.), *Mathematics of Ramsey theory, Algorithms and Combinatorics* **5** (Springer-Verlag, 1990). PPS
- Nešetřil J. and V. Rödl, Corrigendum: “Complexity of diagrams” [Order **3** (1987), no. 4, 321–330; MR0891379 (88h:05080)]. *Order* **10** (1993), 393. PPS
- Netto E., *Lehrbuch der Combinatorik (German)* (Teubner, 1901). Also 1927. PPS
- Nicolescu L.I., Problem E3157. *Amer. Math. Monthly* **93** (1986), 482. Solution **95** (1988), 557. PPS
- Niessen T. and B. Randerath, Regular factors of simple regular graphs and factor-spectra. *Discrete Math.* **185** (1998), 89–103. PPS
- Niessen T. and L. Volkmann, Class 1 conditions depending on the minimum degree and the number of vertices of maximum degree. *J. Graph Th.* **14** (1990), 225–246. PPS
- Nijenhuis A., Solution to problem 10992. *Amer. Math. Monthly* **111** (2004), 827–829. Proposed **110** (2003), 155. PPS
- Nikiforov V., The cycle-complete graph Ramsey numbers. *Combin. Probab. Comput.* **14** (2005), 349–370. PPS
- Nikiforov V., Graphs with many  $r$ -cliques have large complete  $r$ -partite subgraphs. *Bull. Lond. Math. Soc.* **40** (2008), 23–25. PPS

- Nikiforov V., The number of cliques in graphs of given order and size. *Trans. Amer. Math. Soc.* **363** (2011), 1599–1618. PPS
- Nilli A., On the second eigenvalue of a graph. *Discrete Math.* **91** (1991), 207–210. PPS
- Nilli A., On Borsuk's problem. In *Jerusalem combinatorics '93, Contemp. Math.* **178** (AMS, 1994), 209–210. PPS
- Nishimura H. and S. Kuroda, *A Lost Mathematician, Takeo Nakasawa: The Forgotten Father of Matroid Theory, Mathematics and Statistics* (Mirkhäuser, 2009). PPS
- Niu Y.Y. and B.W. Zhu, Connectivities of Cartesian products of graphs. In *Combinatorics, graph theory, algorithms and applications (Beijing, 1993)* (World Sci. Publ., 1994), 301–305. PPS
- Niven I., Formal power series. *Amer. Math. Monthly* **76** (1969), 871–889. PPS
- Noel J.A., B.A. Reed, and H. Wu, A proof of a conjecture of Ohba. *J. Graph Theory* **79** (2015), 86–102. PPS
- Noel J.A., D.B. West, H. Wu, and X. Zhu, Beyond Ohba's conjecture: a bound on the choice number of  $k$ -chromatic graphs with  $n$  vertices. *European J. Combin.* **43** (2015), 295–305. PPS
- Nordhaus E.A. and J.W. Gaddum, On complementary graphs. *Amer. Math. Monthly* **63** (1956), 175–177. PPS
- Norman R.Z. and M. Rabin, Algorithm for a minimal cover of a graph. *Proc. Amer. Math. Soc.* **10** (1959), 315–319. PPS
- Novelli J.C., I. Pak, and A.V. Stoyanovskii, A direct bijective proof of the hook-length formula. *Discrete Math. Theor. Comput. Sci.* **1** (1997), 53–67. PPS
- Nyblom M., Problem 11117. *Amer. Math. Monthly* **111** (2004), 915. Solution **113** (2006), 762. PPS
- O S. and D.B. West, Balloons, cut-edges, matchings, and total domination in regular graphs of odd degree. *J. Graph Theory* **64** (2010), 116–131. PPS
- O S., D.B. West, and H. Wu, Longest cycles in  $k$ -connected graphs with given independence number. *J. Combin. Th. B* **101** (2011), 480–485. PPS
- O'Hara K.M., Unimodality of Gaussian coefficients: a constructive proof. *J. Combin. Th. A* **53** (1990), 29–52. PPS
- Ohba K., On chromatic-choosable graphs. *J. Graph Theory* **40** (2002), 130–135. PPS
- Olmsted C., Problem E3175. *Amer. Math. Monthly* **93** (1986), 732. Solution **96** (1989), 59–60. PPS
- Ore O., A problem regarding the tracing of graphs. *Elemente der Math.* **6** (1951), 49–53. PPS
- Ore O., Graphs and matching theorems. *Duke Math. J.* **22** (1955), 625–639. PPS
- Ore O., Note on Hamilton circuits. *Amer. Math. Monthly* **67** (1960), 55. PPS
- Ore O., Arc coverings of graphs. *Ann. Mat. Pura Appl.* **55** (1961), 315–321. PPS
- Ore O., *Theory of graphs*, Amer. Math. Soc. Colloquium Publications **38** (Amer. Math. Soc., 1962). PPS
- Ore O., Hamiltonian connected graphs. *J. Math. Pures Appl.* **42** (1963), 21–7. PPS
- Ore O., *The four-colour problem* (Acad Press, 1967). PPS
- Ore O., Diameters in graphs. *J. Combinatorial Theory* **5** (1968), 75–81. PPS
- O'Rourke J., *Art gallery theorems and algorithms*, International Series of Monographs on Computer Science (Oxford Univ. Press, 1987). PPS
- Owens A.B., On the planarity of regular incidence sequences. *J. Combinatorial Theory B* **11** (1971), 201–212. PPS
- Oxley J.G., *Matroid theory*, Oxford Science Publications (Oxford Univ. Press, 1992). PPS
- Ozeki K. and T. Yamashita, Spanning trees: a survey. *Graphs Combin.* **27** (2011), 1–26. PPS
- Paasche I., Eine Verallgemeinerung des Moessnerschen Satzes. *Compositio Math.* **12** (1956), 263–270. PPS
- Pach J. and G. Tóth, Graphs drawn with few crossings per edge. *Combinatorica* **17** (1997), 427–439. PPS
- Pach J. and G. Tóth, Thirteen problems on crossing numbers. *Geombinatorics* **9** (2000), 194–207. PPS
- Pach J. and G. Tóth, Which crossing number is it anyway? *J. Combin. Th. B* **80** (2000), 225–246. PPS
- Pak I., Partition bijections, a survey. *Ramanujan J.* **12** (2006), 5–75. PPS
- Palacios J.L., Problem 11672. *Amer. Math. Monthly* **119** (2012), 800. Solutions by P. Condon and R. Strong **121** (2014), 948–949. PPS
- Palacios J.L. and D.P. Sandell, Problem 6665. *Amer. Math. Monthly* **98** (1991), 655. Solution **100** (1993), 405–407. PPS
- Paley R.E.A.C., On orthogonal matrices. *J. Math. Phys.* **12** (1933), 311–320. PPS
- Palmer E.M., *Graphical Evolution: An Introduction to the Theory of Random Graphs* (Wiley, 1985). PPS
- Palumbiny D., On decompositions of complete graphs into factors with equal diameters. *Boll. Un. Mat. Ital.(4)* **7** (1973), 420–428. PPS
- Papadimitriou C.H. and K. Steiglitz, *Combinatorial Optimization: Algorithms and Complexity* (Prentice Hall, 1982). Also Dover, 1998. PPS
- Parker E.T., Orthogonal latin squares. *Proc. Nat. Acad. Sci. U.S.A.* **45** (1959), 859–862. PPS
- Paulraja P., A characterization of Hamiltonian prisms. *J. Graph Th.* **17** (1993), 161–171. PPS
- Payan C., Sur le nombre d'absorption d'un graphe simple. In *Colloque sur la Théorie des Graphes (Paris, 1974)*, Cahiers Centre Études Recherche Opér. **17** (1975), 307–317. PPS
- Pearl P. and W.J. Woan, A bijective proof of the Delannoy recurrence. In *Proc. 33rd Southeastern Intl. Conf. Combin. Graph Th. Comput. (Boca Raton)*, Congr. Numer. **158** (2002), 29–33. PPS
- Peck G.W., A new proof of a theorem of Graham and Pollak. *Discrete Math.* **49** (1984), 327–328. PPS
- Peled U., Problem 10197. *Amer. Math. Monthly* **99** (1992), 162. Solution **100** (1993), 806–807. PPS
- Pelsmajer M.J., M. Schaefer, and D. Štefanovič, Odd crossing number is not crossing number. In *Graph drawing, Lect. Notes Comp. Sci.* **3843** (Springer, 2006), 386–396. PPS

- Peltesohn R., Eine Lösung der beiden Heffterschen Differenzenprobleme. *Compositio Math.* **6** (1939), 251–257. PPS
- Penaud J.G., Une propriété de bicoloration des hypergraphes planaires. In *Colloque sur la Théorie des Graphes (Paris, 1974)*, *Cahiers Centre Études Recherche Opér.* **17** (1975), 345–349. PPS
- Penrice S., Problem 10803. *Amer. Math. Monthly* **107** (2000), 462. Solution **109** (2002), 395–396. PPS
- Percus J.K., *Combinatorial methods, Notes recorded by Ora Engelberg Percus* (Courant Inst. Math. Sci., New York Univ., 1969). PPS
- Perkovic L. and B.A. Reed, Edge coloring regular graphs of high degree. In *Graphs Combinatorics (Marseille, 1995)* **165/166** (Discrete Math., 1997), 567–578. PPS
- Perles M.A., A proof of Dilworth’s decomposition theorem for partially ordered sets. *Israel J. Math.* **1** (1963), 105–107. PPS
- Perron O., Beweis des Moessnerschen Satzes. *S.-B. Math.-Nat. Kl. Bayer. Akad. Wiss.* **1951** (1951), 31–34 (1952). PPS
- Perz S. and S. Rolewicz, Norms and perfect graphs. *Z. Oper. Res.* **34** (1990), 13–27. PPS
- Petersdorf M. and H. Sachs, Spektrum und Automorphismengruppe eines Graphen. In *Combinatorial Theory and its Applications, III* (North-Holland, 1969), 891–907. PPS
- Petersen J., Die Theorie der regulären Graphen. *Acta Math.* **15** (1891), 193–220. PPS
- Petersen T.K., *Eulerian numbers, Birkhäuser Advanced Texts: Basler Lehrbücher*. (Birkhäuser/Springer, 2015). PPS
- Petkovsek M., *Finding closed-form solutions of difference equations by symbolic methods* (ProQuest LLC, 1991). Ph.D. Thesis, Carnegie Mellon Univ. PPS
- Petkovšek M., H.S. Wilf, and D. Zeilberger,  $A = B$  (A K Peters, 1996). PPS
- Pikhurko O., Borsuk’s conjecture fails in dimensions 321 and 322 (2008). (arXiv:math/0202112) PPS
- Pinsker M., On the complexity of a concentrator. *7th International Teletraffic Conference* (1973), 318/1–318/4. PPS
- Piotrowski W.L., Untersuchungen über das Oberwolfacher Problem (1979). Unpublished manuscript. PPS
- Piotrowski W.L., The solution of the bipartite analogue of the Oberwolfach problem. *Discr. Math.* **97** (1991), 339–356. PPS
- Pippenger N., Superconcentrators. *SIAM J. Comput.* **6** (1977), 298–304. PPS
- Pitman J., Coalescent random forests. *J. Combin. Th. A* **85** (1999), 165–193. PPS
- Plantholt M., Overfull conjecture for graphs with high minimum degree. *J. Graph Theory* **47** (2004), 73–80. PPS
- Plaza A. and S. Falcón, Problem 11920. *Amer. Math. Monthly* **123** (2016), 296. Solution **125** (2018), 374–375. PPS
- Plesnevič P.S. and V.G. Vizing, On the problem of the minimal coloring of the vertices of a graph (Russian). *Sibirsk. Mat. Zh.* **6** (1965), 234–236. PPS
- Plesnič J., Connectivity of regular graphs and the existence of 1-factors. *Mat. Časopis Sloven. Akad. Vied* **22** (1972), 310–318. PPS
- Plesnič J., Critical graphs of given diameter. *Acta Fac. Rerum Natur. Univ. Comenian. Math.* **30** (1975), 71–93. PPS
- Plesnič J. and Š. Znam, On equality of edge-connectivity and minimum degree of a graph. *Arch. Math. (Brno)* **25** (1989), 19–25. PPS
- Plummer M.D., On minimal blocks. *Trans. Amer. Math. Soc.* **134** (1968), 85–94. PPS
- Plummer M.D., On the cyclic connectivity of planar graphs. In *Graph theory and applications (Proc. Conf., Western Michigan Univ., 1972; dedicated to the memory of J. W. T. Youngs)*, *Lecture Notes in Math.* **303** (Springer, 1972), 235–242. PPS
- Plummer M.D., Problem. In *Infinite and finite sets* (A. Haynal, R. Rado, and V.T. Sós, eds.) **10** (North-Holland, 1975), 1549–1550. PPS
- Plummer M.D., Graph factors and factorization: 1985–2003: a survey. *Discr. Math.* **307** (2007), 791–821. PPS
- Pnueli A., A. Lempel, and S. Even, Transitive orientation of graphs and identification of permutation graphs. *Canad. J. Math.* **23** (1971), 160–175. PPS
- Pochhammer L., Ueber hypergeometrische Functionen nter Ordnung. *J. Reine Angew. Math.* (1870), 316–352. PPS
- Pólya G., Kombinatorische Anzahlbestimmungen für Gruppen, Graphen und chemische Verbindungen. *Acta Math.* **68** (1937), 145–254. PPS
- Poonen B., Union-closed families. *J. Combin. Th. A* **59** (1992), 253–268. PPS
- Popadić M.S., On the number of antichains of finite power sets. *Mat. Vesnik* **7** (22) (1970), 199–203. PPS
- Popescu C., Problem 10770. *Amer. Math. Monthly* **106** (1999), 963. Solution **108** (2001), 979–980. PPS
- Pósa L., On the circuits of finite graphs. *Magyar Tud. Akad. Mat. Kutató Int. Közl.* **8** (1963), 355–361 (1964). PPS
- Pournin L., The diameter of associahedra. *Adv. Math.* **259** (2014), 13–42. PPS
- Pratt R., Problem 11573. *Amer. Math. Monthly* **118** (2011), 463. Solution **120** (2013), 372. PPS
- Preen J., A census of all 5-regular planar graphs with diameter 3. *Ars Combin.* **106** (2012), 129–135. PPS
- Prim R.C., Shortest connection networks and some generalizations. *Bell Syst. Tech. J.* **36** (1957), 1389–1401. PPS
- Proctor R.A., Solution of two difficult combinatorial problems with linear algebra. *Amer. Math. Monthly* **89** (1982), 721–734. PPS
- Proctor R.A., Let’s expand rota’s twelvefold way for counting partitions! (2006). (arXiv:math/0606404) PPS

- Prodinger H., A correspondence between ordered trees and noncrossing partitions. *Discrete Math.* **46** (1983), 205–206. PPS
- Prömel H.J., *Ramsey theory for discrete structures* (Springer, 2013). PPS
- Propp J.G., Problem 10679. *Amer. Math. Monthly* **105** (1998), 666. Solution **107** (2000), 374. PPS
- Prowse A. and D.R. Woodall, Choosability of powers of circuits. *Graphs Combin.* **19** (2003), 137–144. PPS
- Prüfer H., Neuer beweis eines satzes über permutationen (German). *Arch. Math. Phys.* **27** (1918), 742–744. PPS
- Pudaite P.R., Problem 10801. *Amer. Math. Monthly* **107** (2000), 368. Solution **109** (2002), 394–395. PPS
- Pyber L., An extension of a Frankl-Füredi theorem. *Discrete Math.* **52** (1984), 253–268. PPS
- Pyber L., Regular subgraphs of dense graphs. *Combinatorica* **5** (1985), 347–349. PPS
- Pyber L., V. Rödl, and E. Szemerédi, Dense graphs without 3-regular subgraphs. *J. Combin. Th. B* **63** (1995), 41–54. PPS
- Pyke R., The supremum and infimum of the Poisson process. *Ann. Math. Statist.* **30** (1959), 568–576. PPS
- Pym J.S., The linking of sets in graphs. *J. London Math. Soc.* **44** (1969), 542–550. PPS
- Rabinovitch I., *The Dimension-Theory of Semiorders and Interval-Orders* (ProQuest LLC, 1973). Ph.D. Thesis, Dartmouth College. PPS
- Rabinovitch I., The Scott-Suppes theorem on semiorders. *J. Mathematical Psychology* **15** (1977), 209–212. PPS
- Rabinovitch I., The dimension of semiorders. *J. Combin. Th. A* **25** (1978), 50–61. PPS
- Rabinowitz S., Problem 5641. *Amer. Math. Monthly* **75** (1968), 1125. Solution **76** (1969), 1153. PPS
- Rademacher H., On the partition function  $p(n)$ . *Proc. London Math. Soc.* **43** (1937), 241–254. PPS
- Radhakrishnan J. and A. Srinivasan, Improved bounds and algorithms for hypergraph 2-coloring. *Random Structures Algorithms* **16** (2000), 4–32. PPS
- Rado R., Studien zur Kombinatorik. *Math. Z.* **36** (1933), 424–470. PPS
- Rado R., Note on combinatorial analysis. *Proc. London Math. Soc. (2)* **48** (1943), 122–160. PPS
- Rado R., Axiomatic treatment of rank in infinite sets. *Canadian J. Math.* **1** (1949), 337–343. PPS
- Rado R., Note on independence functions. *Proc. Lond. Math. Soc.* **7** (1957), 300–320. PPS
- Rado R., Some partition theorems. In *Combinatorial Theory and its Applications, III (Proc. Colloq., 1969)* (North-Holland, 1970), 929–936. PPS
- Radoux C., Nombres de Catalan généralisés. *Bull. Belg. Math. Soc. Simon Stevin* **4** (1997), 289–292. PPS
- Radziszowski S.P., Small Ramsey numbers. *Electronic J. Combin.* (1995), Dynamic Survey 1. PPS
- Raigorodskii A.M., On the dimension in Borsuk’s problem (Russian). *Uspekhi Mat. Nauk* **52** (1997), 181–182. PPS
- Ramalingam G. and C. PanduRangan, A unified approach to domination problems on interval graphs. *Inform. Process. Lett.* **27** (1988), 271–274. PPS
- Ramamurthi R., *Coloring problems on graphs and hypergraphs* (ProQuest, 2001). Ph.D. Thesis, Univ. Illinois, Urbana-Champaign. PPS
- Ramamurthi R. and D.B. West, Hypergraph extension of the Alon-Tarsi list coloring theorem. *Combinatorica* **25** (2005), 355–366. PPS
- Ramanan G.V., Proof of a conjecture of Frankl and Füredi. *J. Combin. Th. A* **79** (1997), 53–67. PPS
- Ramirez-Alfonsin J.L. and B.A. Reed (eds.), *Perfect graphs, Wiley-Interscience Series in Discrete Mathematics and Optimization* (Wiley & Sons, 2001). PPS
- Ramras M., Minimum cutsets in hypercubes. *Discrete Math.* **289** (2004), 193–198. PPS
- Ramsey F.P., On a Problem of Formal Logic. *Proc. Lond. Math. Soc.* **30** (1930), 264–286. PPS
- Raney G.N., Functional composition patterns and power series reversion. *Trans. Amer. Math. Soc.* **94** (1960), 441–451. PPS
- Ray-Chaudhuri D.K., Characterization of line graphs. *J. Combin. Th.* **3** (1967), 201–214. PPS
- Ray-Chaudhuri D.K. and R.M. Wilson, Solution of Kirkman’s schoolgirl problem (1971), 187–203. PPS
- Ray-Chaudhuri D.K. and R.M. Wilson, On  $t$ -designs. *Osaka J. Math.* **12** (1975), 737–744. PPS
- Razborov A.A., Lower bounds on the monotone complexity of some Boolean functions. *Dokl. Akad. Nauk SSSR* **281** (1985), 798–801. PPS
- Razborov A.A., On the minimal density of triangles in graphs. *Combin. Probab. Comput.* **17** (2008), 603–618. PPS
- Razborov A.A., On the Fon-der-Flaass interpretation of extremal examples for Turán’s  $(3, 4)$ -problem. *Tr. Mat. Inst. Steklova* **274** (2011), 269–290. PPS
- Read R.C., Review of “die chromatischen Polynome unterringfreier Graphen”. *MathSciNet Review* (1975). MR0354428 (50 #6906) PPS
- Rédei L., Ein kombinatorischer Satz. *Acta Litt. Szeged* **7** (1934), 39–43. PPS
- Redfield J.H., The Theory of Group-Reduced Distributions. *Amer. J. Math.* **49** (1927), 433–455. PPS
- Reed B.A.,  $\omega$ ,  $\delta$ , and  $\chi$ . *J. Graph Th.* **27** (1998), 177–212. PPS
- Reed B.A., A strengthening of Brooks’ Theorem. *J. Combin. Th. B* **76** (1999), 136–149. PPS
- Reed B.A. and B. Sudakov, Asymptotically the list colouring constants are 1. *J. Combin. Th. B* **86** (2002), 27–37. PPS
- Rees D., Note on a paper by I.J. Good. *J. Lond. Math. Soc.* **21** (1946), 169–172. PPS
- Regev A., Asymptotic values for degrees associated with strips of Young diagrams. *Adv. in Math.* **41** (1981), 115–136. PPS
- Reiher C., The clique density theorem. *Ann. of Math. (2)* **184** (2016), 683–707. PPS

- Reiss M., Ueber eine Steinersche combinatorische Aufgabe, welche im 45<sup>ten</sup> Bande dieses Journals, Seite 181, gestellt worden ist. *J. Reine Angew. Math.* (1859), 326–344. PPS
- Remmel J.B., Bijective proofs of formulae for the number of standard Young tableaux. *Linear and Multilinear Algebra* **11** (1982), 45–100. PPS
- Renault M., Lost (and found) in translation: André’s actual method and its application to the generalized ballot problem. *Amer. Math. Monthly* **115** (2008), 358–363. PPS
- Rényi A., Some remarks on the theory of trees. *Magyar Tud. Akad. Mat. Kut. Int. Közl.* **4** (1959), 73–85. PPS
- Rényi A., Théorie des éléments saillants d’une suite d’observations (French). *Ann. Fac. Sci. Univ. Clermont-Ferrand* No. **8** (1962), 7–13. PPS
- Rényi A., On the enumeration of trees. In *Combinatorial Structures and their Applications (Proc. Calgary Internat. Conf., 1969)* (Gordon and Breach, 1970), 355–360. PPS
- Reuter K., On the dimension of the Cartesian product of relations and orders. *Order* **6** (1989), 277–293. PPS
- Reuter K., Removing critical pairs. *Order* **6** (1989), 107–118. PPS
- Rey J.G., Problem 10615. *Amer. Math. Monthly* **104** (1997), 767. Solution **106** (1999), 692–693. PPS
- Reznick B., P. Tiwari, and D.B. West, Decomposition of product graphs into complete bipartite subgraphs. *Discrete Math.* **57** (1985), 179–183. PPS
- Ribó Mor A., G. Rote, and A. Schulz, Small grid embeddings of 3-polytopes. *Discrete Comput. Geom.* **45** (2011), 65–87. PPS
- Richter R.B., Problem 10330. *Amer. Math. Monthly* **100** (1993), 796. Solution **103** (1996), 700–701. PPS
- Richter R.B. and C. Thomassen, Intersections of curve systems and the crossing number of  $C_5 \times C_5$ . *Discrete Comput. Geom.* **13** (1995), 149–159. PPS
- Riddell R.J., *Contributions to the theory of condensation* (Univ. Michigan, Ann Arbor, 1951). Ph.D. Thesis. PPS
- Riddell R.J., Jr. and G.E. Uhlenbeck, On the theory of the virial development of the equation of state of mono-atomic gases. *J. Chem. Phys.* **21** (1953), 2056–2064. PPS
- Riesling A.S., Boruk’s problem in three-dimensional spaces of constant curvature. *Ukr. Geom. Sborni* **11** (1971), 78–83. PPS
- Rieß W., Zwei Optimierungsprobleme auf Ordnungen. *Arbeitsber. Inst. Math. Masch. Datenverarb. (Inform.)* **11** (1978), 59. PPS
- Riguet J., Les relations de Ferrers. *C. R. Acad. Sci. Paris* **232** (1951), 1729–1730. PPS
- Ringeisen R.D. and L.W. Beineke, The crossing number of  $C_3 \times C_n$ . *J. Combin. Th. B* **24** (1978), 134–136. PPS
- Ringel G., Selbstkomplementäre graphen. *Arch. Math.* **14** (1963), 354–358. PPS
- Ringel G., Problem 25. In *Theory of Graphs and Its Applications (Smolenice, 1963)* (Czech. Acad. Sci., 1964), 162. PPS
- Riordan J., *An introduction to combinatorial analysis* (Wiley; Chapman & Hall, 1958). PPS
- Riordan J., Inverse relations and combinatorial identities. *Amer. Math. Monthly* **71** (1964), 485–498. PPS
- Riordan J., *Combinatorial identities* (Wiley & Sons, 1968). Also 1979. PPS
- Robbins H., A theorem on graphs, with an application to a problem in traffic control. *Amer. Math. Monthly* **46** (1939), 281–283. PPS
- Roberts F.S., *Graph Theory and Its Applications to the Problems of Society, CBMS-NSF Monograph* **29** (SIAM Publications, 1978). PPS
- Robertson N., D.P. Sanders, P.D. Seymour, and R. Thomas, Efficiently four-coloring planar graphs. In *Proc. 28th ACM Symp. Th. Comp.* (Assoc. Comput. Mach., 1996a), 571–575. PPS
- Robertson N., D.P. Sanders, P.D. Seymour, and R. Thomas, A new proof of the four-colour theorem. *Electron. Res. Announc. Amer. Math. Soc.* **2** (1996a), 17–25. PPS
- Robertson N., P.D. Seymour, and R. Thomas, Hadwiger’s conjecture for  $K_6$ -free graphs. *Combinatorica* **13** (1993), 279–361. PPS
- Robertson N., P.D. Seymour, and R. Thomas, Tutte’s edge-colouring conjecture. *J. Combin. Th. B* **70** (1997), 166–183. PPS
- Robinson G.de B., On the representations of the symmetric group. *Amer. J. Math.* **60** (1938), 745–760. PPS
- Rödl V. and M. Schacht, Regularity lemmas for graphs. In *Fete of combinatorics and computer science, Bolyai Soc. Math. Stud.* **20** (János Bolyai Math. Soc., 2010), 287–325. PPS
- Rödl V. and J. Skokan, Regularity lemma for  $k$ -uniform hypergraphs. *Random Structures Algorithms* **25** (2004), 1–42. PPS
- Rödl V. and E. Szemerédi, On size Ramsey numbers of graphs with bounded degree. *Combinatorica* **20** (2000), 257–262. PPS
- Rogers C.A., Symmetrical sets of constant width and their partitions. *Mathematika* **18** (1971), 105–111. PPS
- Roman S.M., *The umbral calculus, Pure and Applied Mathematics* **111** (Academic Press, 1984). PPS
- Roman S.M. and G.C. Rota, The umbral calculus. *Advances in Math.* **27** (1978), 95–188. PPS
- Rosa A., On certain valuations of the vertices of a graph. In *Theory of Graphs (Rome, 1966)*, Intl. Symp. (Gordon and Breach; Dunod, 1967), 349–355. PPS
- Rosenfeld M., On the total coloring of certain graphs. *Israel J. Math.* **9** (1971), 396–402. PPS
- Rota G.C., On the foundations of combinatorial theory I. *Z. Wahrsch. Verw. Gebiete* **2** (1964), 340–368. PPS
- Roth K.F., On certain sets of integers. *J. London Math. Soc.* **28** (1953), 104–109. PPS
- Rotman J.J., Problem E3462. *Amer. Math. Monthly* **98** (1991), 755. Solution **100** (1993), 594. PPS



- Roussel F., I. Rusu, and H. Thuillier, The strong perfect graph conjecture: 40 years of attempts, and its resolution. *Discr. Math.* **309** (2009), 6092–6113. PPS
- Roy B., Nombre chromatique et plus longs chemins d'un graphe. *Rev. Française Automat. Informat. Recherche Opérationnelle sér. Rouge* **1** (1967), 127–132. PPS
- Ruciński A. and A. Vince, Strongly balanced graphs and random graphs. *J. Graph Theory* **10** (1986), 251–264. PPS
- Rudin W., *Real and complex analysis, 2nd ed.* (McGraw-Hill, 1974). PPS
- Rupp C.A., Problem 3468. *Amer. Math. Monthly* **37** (1930), 552. Solution **38** (1931), 355. PPS
- Ruzsa I.Z. and E. Szemerédi, Triple systems with no six points carrying three triangles. In *Combinatorics (Proc. Fifth Hungarian Colloq., Keszthely, 1976), Vol. II, Colloq. Math. Soc. János Bolyai* **18** (North-Holland, 1978), 939–945. PPS
- Ryjáček Z.e., On a closure concept in claw-free graphs. *J. Combin. Th. B* **70** (1997), 217–224. PPS
- Rymer N.W., Projects, problems and patience. *Math. Gazette* **63** (1979), 1–7. PPS
- Ryser H.J., Combinatorial properties of matrices of zeros and ones. *Canad. J. Math.* **9** (1957), 371–377. PPS
- Ryser H.J., *Combinatorial mathematics, The Carus Mathematical Monographs, No. 14* (Math. Assoc. Amer.; distributed by Wiley, 1963). PPS
- Ryser H.J., Matrices of zeros and ones in combinatorial mathematics. In *Recent Advances Matrix Theory (Madison, 1963)* (Univ. Wisc. Press, 1964), 103–124. PPS
- Saaty T.L. and P.C. Kainen, *The four-color problem* (McGraw-Hill, 1977). PPS
- Sabidussi G., Graphs with given group and given graph-theoretical properties. *Canad. J. Math.* **9** (1957), 515–525. PPS
- Sachs H., Über Teiler, Faktoren und charakteristische Polynome von Graphen II. *Wiss. Z. Techn. Hochsch. Ilmenau* **13** (1967), 405–412. PPS
- Sachs H., Finite graphs (Investigations and generalizations concerning the construction of finite graphs having given chromatic number and no triangles). In *Recent Progress in Combinatorics (Proc. 3rd Waterloo Conf. Combin., 1968)* (Acad. Press, 1969), 175–184. PPS
- Sachs H., Elementary proof of the cycle-plus-triangles theorem. In *Combinatorics, Paul Erdős is eighty, Vol. 1, Bolyai Soc. Math. Stud.* (János Bolyai Math. Soc., 1993), 347–359. PPS
- Sachs H. and H. Zernitz, Remark on the dimer problem. *Discrete Appl. Math.* **51** (1994), 171–179. PPS
- Sagan B., On selecting a random shifted Young tableau. *J. Algorithms* **1** (1980), 213–234. PPS
- Sagan B.E., *The symmetric group, The Wadsworth & Brooks/Cole Mathematics Series* (Wadsworth & Brooks, 1991). PPS
- Saks M.E., A short proof of the existence of  $k$ -saturated partitions of partially ordered sets. *Adv. in Math.* **33** (1979), 207–211. PPS
- Saks M.E., *Duality Properties of Finite Set Systems* (ProQuest, 1980). Ph.D. Thesis, Mass. Inst. Tech. PPS
- Saks M.E., A class of perfect graphs associated with planar rectilinear regions. *SIAM J. Algebraic Discrete Methods* **3** (1982), 330–342. PPS
- Sanders D.P. and Y. Zhao, A note on the three color problem. *Graphs Combin.* **11** (1995), 91–94. PPS
- Sanders D.P. and Y. Zhao, Planar graphs of maximum degree seven are class I. *J. Combin. Th. B* **83** (2001), 201–212. PPS
- Sanders P.R., The central automorphisms of a finite group. *J. London Math. Soc.* **44** (1969), 225–228. PPS
- Sands A.D., On generalised Catalan numbers. *Discrete Math.* **21** (1978), 219–221. PPS
- Santoro N. and J. Urrutia, Angle orders, regular  $n$ -gon orders and the crossing number. *Order* **4** (1987), 209–220. PPS
- Sarkaria K.S., A generalized Kneser conjecture. *J. Combin. Theory B* **49** (1990), 236–240. PPS
- Sarvate D.G. and J.C. Renaud, On the union-closed sets conjecture. *Ars Combin.* **27** (1989), 149–153. PPS
- Sauer N., A generalization of a theorem of Turán. *J. Combinatorial Th. B* **10** (1971), 109–112. PPS
- Sauer N. and J. Spencer, Edge disjoint placement of graphs. *J. Combin. Theory B* **25** (1978), 295–302. PPS
- Sauvé L., On chromatic graphs. *Amer. Math. Monthly* **68** (1961), 107–111. PPS
- Savage C.D. and C.Q. Zhang, The connectivity of acyclic orientation graphs. *Discrete Math.* **184** (1998), 281–287. PPS
- Scarpis U., Sui determinanti di valore massimo (Italian). *Rendiconti della R. Istituto Lombardo di Sci. e Lettere* **31** (1898), 1441–1446. PPS
- Schäuble M., Bemerkungen zur Konstruktion dreikreisfreier  $k$ -chromatischer Graphen. *Wiss. Zeitschrift TH Ilmenau* **15** (1969), 59–63. PPS
- Schauz U., Mr. Paint and Mrs. Correct. *Electron. J. Combin.* **16** (2009), Research Paper 77, 18. PPS
- Schein D.E., The number of edge 3-colorings of a planar cubic graph as a permanent. *Discrete Math.* **8** (1974), 377–382. PPS
- Scheiner E.R. and J.C. Wierman, On circle containment orders. *Order* **4** (1988), 315–318. PPS
- Schensted C., Longest increasing and decreasing subsequences. *Canad. J. Math.* **13** (1961), 179–191. PPS
- Schmeichel E.F. and S.L. Hakimi, A cycle structure theorem for Hamiltonian graphs. *J. Combin. Theory B* **45** (1988), 99–107. PPS
- Schmidt F.W., Problem 10285. *Amer. Math. Monthly* **100** (1993), 185. PPS
- Schmidt F.W., Problem 10364. *Amer. Math. Monthly* **101** (1994), 177. Solution **104** (1997), 179. PPS

- Schmidt F.W., Problem 10481. *Amer. Math. Monthly* **102** (1995), 840. Solution **104** (1997), 877–878. PPS
- Schmidt F.W., Problem 10629. *Amer. Math. Monthly* **104** (1997), 974. Solution **107** (2000), 87–88. PPS
- Schmuland B., Solution to problem 11590. *Amer. Math. Monthly* **120** (2013), 760–761. Proposed by Bibak **118** (2011), 653. PPS
- Schnyder W., Planar graphs and poset dimension. *Order* **5** (1989), 323–343. PPS
- Schnyder W., Embedding planar graphs on the grid. In *Proc. 1st Annual. ACM–SIAM Symp. Discrete. Algorithms, SODA* (SIAM, 1990), 138–148. PPS
- Schönberger T., Ein Beweis des Petersenschen Graphensatzes. *Acta Scientia Mathematica Szeged* **7** (1934), 51–57. PPS
- Schönheim J., On a problem of Daykin concerning intersecting families of sets. In *Combinatorics (Proc. British Combinatorial Conf. Univ. Coll. Wales, 1973), London Math. Soc. Lecture Note Ser. 13* (Cambridge Univ. Press, 1974), 139–140. PPS
- Schönheim J., Hereditary systems and Chvátal’s conjecture. In *Proc. 5th British Combin. Conf. (Aberdeen), Congr. Numer. 15* (Utilitas Math., 1976), 537–539. PPS
- Schramm O., Illuminating sets of constant width. *Mathematika* **35** (1988), 180–189. PPS
- Schrijver A., Vertex-critical subgraphs of Kneser graphs. *Nieuw Arch. Wisk. (3)* **26** (1978), 454–461. PPS
- Schrijver A., *Combinatorial optimization. Polyhedra and efficiency. Vol. A, Algorithms and Combinatorics 24* (Springer-Verlag, 2003a). PPS
- Schrijver A., *Combinatorial optimization. Polyhedra and efficiency. Vol. B, Algorithms and Combinatorics 24* (Springer-Verlag, 2003b). PPS
- Schrijver A., *Combinatorial optimization. Polyhedra and efficiency. Vol. C, Algorithms and Combinatorics 24* (Springer-Verlag, 2003c). PPS
- Schröder E., View kombinatorische probleme (German). *Ziet. für Math.* **15** (1870), 361–376. PPS
- Schur I., Über die Kongruenz  $x^m + y^m \equiv z^m \pmod{p}$ . *Jber. Deutsch. Math.-Verein.* **25** (1916), 114–116. PPS
- Schuster E.F., Problem E3386. *Amer. Math. Monthly* **97** (1990), 427. Solution **99** (1992), 272–274. PPS
- Schützenberger M.P., A non-existence theorem for an infinite family of symmetrical block designs. *Ann. Eugenics* **14** (1949), 286–287. PPS
- Schützenberger M.P., A characteristic property of certain polynomials of E.F. Moore and C.E. Shannon. In *RLE Quarterly Progress Report 55* (1959), 117–118. PPS
- Schützenberger M.P., Quelques remarques sur une construction de Schensted. *Math. Scand.* **12** (1963), 117–128. PPS
- Schützenberger M.P., Sur un théorème de G. de B. Robinson. *C. R. Acad. Sci. Paris Sér. A-B* **272** (1971), A420–A421. PPS
- Schützenberger M.P., La correspondance de Robinson. In *Combinatoire et représentation du groupe symétrique (Strasbourg, 1976), Lect. Notes Math. 579* (Springer, 1977), 59–113. PPS
- Schwenk A.J., Problem 6434. *Amer. Math. Monthly* **90** (1983), 403. Solution **94** (1987), 885–887. PPS
- Schwenk A.J., Problem E3143. *Amer. Math. Monthly* **93** (1986), 299. Solution **95** (1988), 352. PPS
- Schwer S.R., S-arrangements avec répétitions. *C. R. Math. Acad. Sci. Paris* **334** (2002), 261–266. PPS
- Scott A.D., Induced trees in graphs of large chromatic number. *J. Graph Th.* **24** (1997), 297–311. PPS
- Scott D. and P. Suppes, Foundational aspects of theories of measurement. *J. Symb. Logic* **23** (1958), 113–128. PPS
- Seberry J., A computer listing of Hadamard matrices. In *Combinatorial mathematics (Proc. Internat. Conf. Combinatorial Theory, Australian Nat. Univ., 1977), Lect. Notes Math. 686* (Springer, 1978), 275–281. PPS
- Sedláček J., On the skeletons of a graph or digraph. In *Proc. Calgary Intl. Conf. Combin. Structures and Their Applications (Univ. Calgary, 1969)* (Gordon & Breach, 1970), 387–391. PPS
- Segner J.A., Enumeratio modorum quibus figurae planae (Latin). *Novi Comment. Acad. Sci. Imp. Petropol.* **7** (1759), 203–210. PPS
- Seidenberg A., A simple proof of a theorem of Erdős and Szekeres. *J. London Math. Soc.* **34** (1959), 352. PPS
- Seinsche D., On a property of the class of  $n$ -colorable graphs. *J. Combin. Th. B* **16** (1974), 191–193. PPS
- Sekanina M., On an ordering of the set of vertices of a connected graph. *Spisy Přírod. Fak. Univ. Brno* **1960** (1960), 137–141. PPS
- Servedio R. and Y.N. Yeh, A bijective proof on circular compositions. *Bull. Inst. Math. Acad. Sinica* **23** (1995), 283–293. PPS
- Seymour P.D., On incomparable collections of sets. *Mathematika* **20** (1973), 208–209. PPS
- Seymour P.D., A short proof of the matroid intersection theorem (1976). Unpubl. note. PPS
- Seymour P.D., Disjoint paths in graphs. *Discrete Math.* **29** (1980), 293–309. PPS
- ShahAli H.A., Problem 11084. *Amer. Math. Monthly* **111** (2004), 440. Solution **113** (2006), 371–372. PPS
- Shannon A.G., Fibonacci and Lucas numbers and the complexity of a graph. *Fibonacci Quart.* **16** (1978), 1–4. PPS
- Shannon C.E., A theorem on coloring the lines of a network. *J. Math. Phys.* **28** (1949), 148–151. PPS
- Shapiro L.W., A short proof of an identity of Touchard’s concerning Catalan numbers. *J. Combin. Th. A* **20** (1976), 375–376. PPS
- Shapiro L.W., Problem 10753. *Amer. Math. Monthly* **106** (1999), 777. Solution **108** (2001), 873–874. PPS
- Shapiro L.W. and W. Hamilton, The Catalan numbers visit the world series. *Math. Mag.* **66** (1993), 20–22. PPS
- Shapiro L.W. and D. Rogers, Problem E3343. *Amer. Math. Monthly* **96** (1989), 734–735. Solution **97** (1991), 368. PPS

- Shearer J.B., A simple counterexample to a conjecture of Rota. *Discrete Math.* **28** (1979), 327–330. PPS
- Shearer J.B., A note on the independence number of triangle-free graphs. *Discrete Math.* **46** (1983), 83–87. PPS
- Shearer J.B., On a problem of Spencer. *Combinatorica* **5** (1985), 241–245. PPS
- Shearer J.B. and D.J. Kleitman, Probabilities of independent choices being ordered. *Stud. Appl. Math.* **60** (1979), 271–276. PPS
- Shelah S., Primitive recursive bounds for van der Waerden numbers. *J. Amer. Math. Soc.* **1** (1988), 683–697. PPS
- Shepp L.A., The FKG inequality and some monotonicity properties of partial orders. *SIAM J. Algebraic Discrete Methods* **1** (1980), 295–299. PPS
- Shepp L.A., The XYZ conjecture and the FKG inequality. *Ann. Probab.* **10** (1982), 824–827. PPS
- Shih W.K. and W.L. Hsu, A new planarity test. *Theoret. Comput. Sci.* **223** (1999), 179–191. PPS
- Shiloach Y., Edge disjoint braching in directed multigraphs. *Inform. Process. Lett.* **8** (1979), 24–27. PPS
- Shirazi H. and J. Verstraëte, A note on polynomials and  $f$ -factors of graphs. *Electron. J. Combin.* **15** (2008), Note 22, 5. PPS
- Shrikhande S.S., The impossibility of certain symmetrical balanced incomplete block designs. *Ann. Math. Statistics* **21** (1950), 106–111. PPS
- Simion R. and F.W. Schmidt, Restricted permutations. *European J. Combin.* **6** (1985), 383–406. PPS
- Simonovits M., A method for solving extremal problems in graph theory, stability problems. In *Theory of Graphs (Proc. Colloq., Tihany, 1966)* (Acad. Press, 1968), 279–319. PPS
- Simonovits M., How to solve a Turán type extremal graph problem? (linear decomposition). In *Contemporary trends in discrete mathematics (Štířín Castle, 1997)*, DIMACS Ser. Discrete Math. Theoret. Comput. Sci. **49** (Amer. Math. Soc., 1999), 283–305. PPS
- Singleton R.R., On minimal graphs of maximum even girth. *J. Combinatorial Theory* **1** (1966), 306–332. PPS
- Singmaster D., Problem E2897. *Amer. Math. Monthly* **88** (1981), 537. Solution by J.W. Grossman **90** (1983), 287–288. PPS
- Singmaster D., Reviews: After Math. Puzzles and Brainteasers // The Chicken from Minsk // New Mathematical Diversions. *Amer. Math. Monthly* **105** (1998), 579–587. PPS
- Skolem T., Some remarks on the triple systems of Steiner. *Math. Scand.* **6** (1958), 273–280. PPS
- Sleator D.D., R.E. Tarjan, and W.P. Thurston, Rotation distance, triangulations, and hyperbolic geometry. *J. Amer. Math. Soc.* **1** (1988), 647–681. PPS
- Sloane N.J.A., Hamiltonian cycles in a graph of degree 4. *J. Combinatorial Theory* **6** (1969), 311–312. PPS
- Smith H.J.S., On the value of a certain arithmetical determinant. *J. Reine Angew. Math.* **251** (1876), 100–109. PPS
- Smolenskii E.A., A method for the linear recording of graphs (English translation). *U.S.S.R. Comput. Math. and Math. Phys.* **2** (1962), 396–397. PPS
- Smoot N., Solution to problem 11908. *Amer. Math. Monthly* **125** (2018), Proposed **123** (2015), 504. PPS
- Snevily H.r.C., *Combinatorics of finite sets* (ProQuest LLC, 1991). Ph.D. Thesis, Univ. Illinois, Urbana–Champaign. PPS
- Snevily H.r.C., On generalizations of the de Bruijn–Erdős theorem. *J. Combin. Th. A* **68** (1994), 232–238. PPS
- Snevily H.r.C., Problem 10438. *Amer. Math. Monthly* **102** (1995), 273. Solution **105** (1998), 273–274. PPS
- Snevily H.r.C., A generalization of Fisher’s inequality. *J. Combin. Th. A* **85** (1999), 120–125. PPS
- Snevily H.r.C., A sharp bound for the number of sets that pairwise intersect at  $k$  positive values. *Combinatorica* **23** (2003), 527–533. PPS
- Snevily H.r.C. and D.B. West, The bricklayer problem and the strong cycle lemma. *Amer. Math. Monthly* **105** (1998), 131–143. PPS
- Sofair I., Problem 11775. *Amer. Math. Monthly* **121** (2014), 455. Solution **123** (2016). PPS
- Soifer A., *Ramsey Theory: Yesterday, Today, and Tomorrow* **285** (Birkhauser, 2011). PPS
- Sondow J., Problem 11026. *Amer. Math. Monthly* **110** (2003), 636. Solution **112** (2005), 367–369. PPS
- Soneoka T., H. Nakada, M. Imase, and C. Peyrat, Sufficient conditions for maximally connected dense graphs. *Discrete Math.* **63** (1987), 53–66. PPS
- Sorel J., Problem 11899. *Amer. Math. Monthly* **123** (2016), 297. Solution **125** (2018), 88. PPS
- Sós V.T., P. Erdős, and W.G. Brown, On the existence of triangulated spheres in 3-graphs, and related problems. *Period. Math. Hungar.* **3** (1973), 221–228. PPS
- Špacapan S., Connectivity of Cartesian products of graphs. *Appl. Math. Lett.* **21** (2008), 682–685. PPS
- Spanier E., Cohomology theories on spaces. *Trans. Amer. Math. Soc.* **301** (1987), 149–161. PPS
- Spencer J., Minimal scrambling sets of simple orders. *Acta Math. Acad. Sci. Hungar.* **22** (1971/72), 349–353. PPS
- Spencer J., A generalized Rota conjecture for partitions. *Studies in Appl. Math.* **53** (1974), 239–241. PPS
- Spencer J., Ramsey’s theorem—a new lower bound. *J. Combin. Th. A* **18** (1975), 108–115. PPS
- Spencer J., Asymptotic lower bounds for Ramsey functions. *Discrete Math.* **20** (1977), 69–76. PPS
- Spencer J., Six standard deviations suffice. *Trans. Amer. Math. Soc.* **289** (1985), 679–706. PPS
- Spencer J., *Ten lectures on the probabilistic method*, CBMS-NSF Regional Conference Series in Applied Mathematics **52** (SIAM, 1987). PPS
- Spencer J., E. Szemerédi, and W.T. Trotter, Jr., Unit distances in the Euclidean plane. In *Graph theory and combinatorics (Cambridge, 1983)* (B. Bollobás, ed.) (Academic Press, 1984), 293–303. PPS
- Spencer J., E. Szemerédi, and W.T. Trotter, Jr., Unit distances in the euclidean plane (1984), 293–303. PPS

- Sperner E., Neuer Beweis für die Invarianz der Dimensionszahl und des Gebietes. *Hamburger Abhand.* **6** (1928), 265–272. PPS
- Spinrad J.P., *Two-dimensional partial orders* (ProQuest LLC, 1982). Ph.D. Thesis, Princeton Univ. PPS
- Spinrad J.P., *Efficient graph representations*, *Fields Institute Monographs* **19** (Amer. Math. Soc., 2003). PPS
- Spitzer F., A combinatorial lemma and its application to probability theory. *Trans. Amer. Math. Soc.* **82** (1956), 323–339. PPS
- Stanley R.P., *Ordered structures and partitions* (AMS, )
- Stanley R.P., Problem E2315. *Amer. Math. Monthly* **78** (1971), 904. Solution **79** (1972), 908–910. PPS
- Stanley R.P., Combinatorial reciprocity theorems. *Advances in Math.* **14** (1974), 194–253. PPS
- Stanley R.P., Generating functions. In *Studies in combinatorics*, *MAA Stud. Math.* **17** (Math. Assoc. America, 1978), 100–141. PPS
- Stanley R.P., Two combinatorial applications of the Aleksandrov-Fenchel inequalities. *J. Combin. Th. A* **31** (1981), 56–65. PPS
- Stanley R.P., Some aspects of groups acting on finite posets. *J. Combin. Th. A* **32** (1982), 132–161. PPS
- Stanley R.P., On the number of reduced decompositions of elements of Coxeter groups. *European J. Combin.* **5** (1984), 359–372. PPS
- Stanley R.P., *Enumerative combinatorics. Vol. I, The Wadsworth & Brooks/Cole Mathematics Series* (Wadsworth & Brooks, 1986). PPS
- Stanley R.P., Log-concave and unimodal sequences in algebra, combinatorics, and geometry. In *Graph theory and its applications: East and West (Jinan, 1986)*, *Ann. New York Acad. Sci.* **576** (New York Acad. Sci., 1989), 500–535. PPS
- Stanley R.P., Problem 10199. *Amer. Math. Monthly* **99** (1992), 162. Solution **101** (1994), 278–279. PPS
- Stanley R.P., *Enumerative combinatorics. Vol. 2, Cambridge Studies in Advanced Mathematics* **62** (Cambridge Univ. Press, 1999). PPS
- Stanley R.P., Problem 11453. *Amer. Math. Monthly* **116** (2009), 746. Solution **118** (2011), 658–659. PPS
- Stanley R.P., A survey of alternating permutations. In *Combinatorics and graphs, Contemp. Math.* **531** (AMS, 2010), 165–196. PPS
- Stanley R.P., Problem 11610. *Amer. Math. Monthly* **118** (2011), 937. Solution **120** (2013), 943. PPS
- Stanley R.P., Problem 11762. *Amer. Math. Monthly* **121** (2014), 266. Solution **123** (2016). PPS
- Stanley R.P., *Catalan Numbers* (Cambridge Univ. Press, 2015a). PPS
- Stanley R.P., Problem 11838. *Amer. Math. Monthly* **122** (2015b), 500. PPS
- Stanley R.P. and J.M. Steele, Problem E3344. *Amer. Math. Monthly* **96** (1989), 734. Solution **98** (1991), 649. PPS
- Stanton D. and D.E. White, *Constructive combinatorics, Undergraduate Texts in Mathematics* (Springer-Verlag, 1986). PPS
- Stathopoulos D., Problem 11668. *Amer. Math. Monthly* **119** (2012), 700. Solution **121** (2014), 743–744. PPS
- Steele J.M., Variations on the monotone subsequence theme of Erdős and Szekeres. In *Discrete probability and algorithms (Minneapolis, 1993)*, *IMA Vol. Math. Appl.* **72** (Springer, 1995), 111–131. PPS
- Stein S.K., Convex maps. *Proc. Amer. Math. Soc.* **2** (1951), 464–466. PPS
- Stein S.K.,  $b$ -sets and coloring problems. *Bull. Amer. Math. Soc.* **76** (1970), 805–806. PPS
- Steiner J., Combinatorische Aufgabe. *J. Reine Angew. Math.* **45** (1853), 181–182. PPS
- Steinlein H., Borsuk's antipodal theorem and its generalizations and applications: a survey. In *Topological methods in nonlinear analysis, Sémin. Math. Sup.* **95** (Presses Univ. Montréal, 1985), 166–235. PPS
- Stevens B., Problem 11192. *Amer. Math. Monthly* **112** (2005), 930. Solution **114** (2007), 839–840. PPS
- Stevens W.L., Solution to a geometrical problem in probability. *Ann. Eugenics* **9** (1939), 315–320. PPS
- Stiebitz M.,  $K_5$  is the only double-critical 5-chromatic graph. *Discrete Math.* **64** (1987), 91–93. PPS
- Stiebitz M. and M. Voigt, List-colourings. In *Topics in chromatic graph theory, Encyclopedia Math. Appl.* **156** (Cambridge Univ. Press, 2015), 114–136. PPS
- Stinson D.R., A short proof of the nonexistence of a pair of orthogonal Latin squares of order six. *J. Combin. Th. A* **36** (1984), 373–376. PPS
- Stockmeyer P.K., Solution of problem 10663. *Amer. Math. Monthly* **107** (2000), 370. Proposed **105** (1998), 464. PPS
- Stong R., Solution to problem 10892. *Amer. Math. Monthly* **110** (2003), 440–441. Proposed **108** (2001), 668. PPS
- Stong R., Solution to problem 11086. *Amer. Math. Monthly* **113** (2006), 372. Proposed **111** (2004), 440. PPS
- Stong R., Solution to problem 11931. *Amer. Math. Monthly* **125** (2018), Proposed **123** (2016), 831. PPS
- Strehl V., Binomial identities—combinatorial and algorithmic aspects. *Discr. Math.* **136** (1994), 309–346. PPS
- Subba Rao K., Some properties of Fibonacci numbers. *Amer. Math. Monthly* **60** (1953), 680–684. PPS
- Suk A., On the Erdős-Szekeres convex polygon problem (2016). (arXiv:1604.08657v1) PPS
- Sulanke R.A., Bijective recurrences concerning Schröder paths. *Electron. J. Combin.* **5** (1998), Research Paper 47, 11. PPS
- Sulanke R.A., Problem 10894. *Amer. Math. Monthly* **108** (2001), 770. Solution **110** (2003), 443–444. PPS
- Sulanke R.A., Objects counted by the central Delannoy numbers. *J. Integer Seq.* **6** (2003), Article 03.1.5, 19. PPS
- Sumner D.P., On Tutte's factorization theorem. In *Graphs Combin.* (R. Bari and F. Harary, eds.), *Lect. Notes Math.* **406** (Springer-Verlag, 1974), 350–355. PPS
- Sumner D.P., Graphs with 1-factors. *Proc. Amer. Math. Soc.* **42** (1974a), 8–12. PPS
- Sumner D.P., 1-factors and antifactor sets. *J. London Math. Soc. (2)* **13** (1976), 351–359. PPS

- Sumner D.P., Subtrees of a graph and the chromatic number. In *The theory and applications of graphs (Kalamazoo, Mich., 1980)* (Wiley, 1981), 557–576. PPS
- Sved M., Counting and recounting: the aftermath. *Math. Intelligencer* **6** (1984), 44–45. PPS
- Sylvester J.J., On the change of systems of independent variables. *Quart. J. Math.* **1** (1857), 42–56. PPS
- Sylvester J.J., Thoughts on orthogonal matrices, simultaneous sign-successions, and tessellated pavements in two or more colours, with applications to Newton's rule, ornamental tile-work, and the theory of numbers. *Phil. Mag.* **34** (1867), 461–475. PPS
- Sylvester J.J. and F. Franklin, A Constructive Theory of Partitions, Arranged in Three Acts, an Interact and an Exodion. *Amer. J. Math.* **5** (1882), 251–330. PPS
- Sysło M.M. and J. Zak, The bandwidth problem: critical subgraphs and the solution for caterpillars. In *Bonn Workshop on Combinatorial Optimization (Bonn, 1980)* (North-Holland, 1982), 281–286. PPS
- Szegedy M., The Lovász local lemma—a survey. In *Computer science—theory and applications, Lecture Notes in Comput. Sci.* **7913** (Springer, 2013), 1–11. PPS
- Székely L.A., Crossing numbers and hard Erdős problems in discrete geometry. *Combin. Probab. Comput.* **6** (1997), 353–358. PPS
- Szekeres G. and L. Peters, Computer solution to the 17-point Erdős-Szekeres problem. *ANZIAM J.* **48** (2006), 151–164. PPS
- Szekeres G. and H.S. Wilf, An inequality for the chromatic number of a graph. *J. Combin. Th.* **4** (1968), 1–3. PPS
- Szele T., Combinatorial investigations concerning complete directed graphs (Hungarian). *Mat. Fiz. Lapok* **50** (1943), 223–236. PPS
- Szemerédi E., On sets of integers containing no four elements in arithmetic progression. In *Number Theory (Colloq., János Bolyai Math. Soc., Debrecen, 1968)* (North-Holland, 1970), 197–204. PPS
- Szemerédi E., On sets of integers containing no  $k$  elements in arithmetic progression. *Acta Arith.* **27** (1975), 199–245. PPS
- Szemerédi E., Regular partitions of graphs. In *Problèmes combinatoires et théorie des graphes (Orsay, 1976), Colloq. Internat. CNRS*, **260** (1978), 399–401. PPS
- Szemerédi E., Arithmetic progressions, different regularity lemmas and removal lemmas. *Commun. Math. Stat.* **3** (2015), 315–328. PPS
- Szemerédi E. and W.T. Trotter, Jr., Extremal problems in discrete geometry. *Combinatorica* **3** (1983), 381–392. PPS
- Szpilrajn E., Sur l'extension de l'ordre partiel (French). *Fundamenta Mathematicae* **16** (1930), 386–389. PPS
- 't Wood A.N., Solution to problem 10490. *Amer. Math. Monthly* **106** (1999), 589. Proposed **102** (1995), 930. PPS
- Tagiuri A., On some recurrent sequences with positive integer terms (Italian). *Periodico di Mat. (2)* **3** (1900), 1–12. PPS
- Tait P.G., Remarks on the colourings of maps. *Proc. R. Soc. Edinburgh* **10** (1880), 729. PPS
- Talagrand M., Concentration of measure and isoperimetric inequalities in product spaces. *Inst. Hautes Études Sci. Publ. Math.* (1995), 73–205. PPS
- Tamassia R. and I.G. Tollis, A unified approach to visibility representations of planar graphs. *Discrete Comput. Geom.* **1** (1986), 321–341. PPS
- Tanaka Y., Equivalence of the HEX game theorem and the Arrow impossibility theorem. *Appl. Math. Comput.* **186** (2007), 509–515. PPS
- Tanner R.M., Explicit construction of concentrators from generalized  $n$ -gons. *SIAM J. Algebr. Discrete Meth.* **5** (1984), 287–293. PPS
- Tao T., Algebraic combinatorial geometry: the polynomial method in arithmetic combinatorics, incidence combinatorics, and number theory. *EMS Surv. Math. Sci.* **1** (2014), 1–46. PPS
- Tarjan R.E., A simple version of Karzanov's blocking flow algorithm. *Oper. Res. Letters* **2** (1984), 265–268. PPS
- Tarry G., Le problème des labyrinthes (French). *Nouv. Ann. Math.* **14** (1895), 187–190. PPS
- Tarry G., Le problème de 36 officiers. *Compte Rendu de l'Assoc. Français Avanc. Sci. Naturel* **1** (1900), 122–123. PPS
- Tarry G., Le problème de 36 officiers. *Compte Rendu de l'Assoc. Français Avanc. Sci. Naturel* **2** (1901), 170–203. PPS
- Tarsi M., On the decomposition of a graph into stars. *Discrete Math.* **36** (1981), 299–304. PPS
- Tashkinov V.A., 3-regular subgraphs of 4-regular graphs. *Mat. Zametki* **36** (1984), 239–259. PPS
- Tator C., *On the Dimension of Ordered Sets* (Technische Hochschule Darmstadt, 1983). Thesis. PPS
- Tauraso R., The dinner table problem: the rectangular case. *Integers* **6** (2006), A11, 13. PPS
- Tauraso R., Problem 11241. *Amer. Math. Monthly* **113** (2006a), 656. Solution **115** (2008), 858–859. PPS
- Taylor H., Problem E3448. *Amer. Math. Monthly* **98** (1991), 553. Solution **100** (1993), 298–300. PPS
- Tetiva M., Problem 11351. *Amer. Math. Monthly* **115** (2008), 262. Solution **117** (2010), 90. PPS
- Thomas R. and P. Wollan, An improved linear edge bound for graph linkages. *European J. Combin.* **26** (2005), 309–324. PPS
- Thomason A.G., Hamiltonian cycles and uniquely edge colourable graphs. *Ann. Discrete Math.* **3** (1978), 259–268. PPS
- Thomason A.G., An extremal function for contractions of graphs. *Math. Proc. Cambridge Philos. Soc.* **95** (1984), 261–265. PPS

- Thomason A.G., The extremal function for complete minors. *J. Combin. Th. B* **81** (2001), 318–338. PPS
- Thomassen C., Planarity and duality of finite and infinite graphs. *J. Combin. Th. B* **29** (1980a), 244–271. PPS
- Thomassen C., 2-linked graphs. *European J. Combin.* **1** (1980b), 371–378. PPS
- Thomassen C., Kuratowski's Theorem. *J. Graph Th.* **5** (1981a), 225–241. PPS
- Thomassen C., Nonseparating cycles in  $k$ -connected graphs. *J. Graph Theory* **5** (1981b), 351–354. PPS
- Thomassen C., A theorem on paths in planar graphs. *J. Graph Th.* **7** (1983), 169–176. PPS
- Thomassen C., A refinement of Kuratowski's Theorem. *J. Combin. Th. B* **37** (1984), 245–253. PPS
- Thomassen C., Interval representations of planar graphs. *J. Combin. Th. B* **40** (1986), 9–20. PPS
- Thomassen C., Paths, circuits and subdivisions. In *Selected topics in graph theory*, 3 (Academic Press, 1988), 97–131. PPS
- Thomassen C., Grötzsch's 3-color Theorem. *J. Combin. Th. B* **62** (1994a), 268–279. PPS
- Thomassen C., Every planar graph is 5-choosable. *J. Combin. Th. B* **62** (1994b), 180–181. PPS
- Thomassen C., 3-list-coloring planar graphs of girth 5. *J. Combin. Th. B* **64** (1995a), 101–107. PPS
- Thomassen C., Decomposing a planar graph into degenerate graphs. *J. Combin. Th. B* **65** (1995b), 305–314. PPS
- Thomassen C., A short list color proof of Grötzsch's theorem. *J. Combin. Th. B* **88** (2003), 189–192. PPS
- Thrall R.M., A combinatorial problem. *Michigan Math. J.* **1** (1952), 81–88. PPS
- Thurston W.P., *Three-dimensional geometry and topology. Vol. 1, Princeton Mathematical Series* **35** (Princeton Univ. Press, 1997). Also 1991. PPS
- Tian F., A short proof of a theorem about the circumference of a graph. *J. Combin. Th. B* **45** (1988), 373–375. PPS
- Tian F., A short proof of Fan's theorem. *Discrete Math.* **286** (2004), 285–286. PPS
- Timmons C., Star coloring high girth planar graphs. *Electron. J. Combin.* **15** (2008), Research Paper 124, 17. PPS
- Toft B., Colouring, stable sets and perfect graphs. In *Handbook of combinatorics, Vol. 1, 2* (Elsevier, 1995), 233–288. PPS
- Toida S., Properties of an Euler graph. *J. Franklin Inst.* **295** (1973), 343–5. PPS
- Tomescu I., Sur le problème du coloriage des graphes généralisés. *C. R. Acad. Sci. Paris Sér. A-B* **267** (1968), A250–A252. PPS
- Tomescu I., Problem E3188. *Amer. Math. Monthly* **94** (1987), 72. Solution **95** (1988), 876–877. PPS
- Tomescu I., Problem E3409. *Amer. Math. Monthly* **97** (1990), 916. Solution **99** (1991), 860–861. PPS
- Touchard J., Sur les cycles des substitutions. *Acta Math.* **70** (1939), 243–297. PPS
- Tracy P., Problem 10811. *Amer. Math. Monthly* **107** (2000), 566. Solution **109** (2002), 478. PPS
- Trotignon N., Perfect graphs. In *Topics in chromatic graph theory, Encyclopedia Math. Appl.* **156** (Cambridge Univ. Press, 2015), 137–160. PPS
- Trotter W.T., Jr., Dimension of the crown  $S_n^k$ . *Discrete Math.* **8** (1974), 85–103. PPS
- Trotter W.T., Jr., Inequalities in dimension theory for posets. *Proc. Amer. Math. Soc.* **47** (1975), 311–316. PPS
- Trotter W.T., Jr., A generalization of Hiraguchi's: inequality for posets. *J. Combin. Th. A* **20** (1976), 114–123. PPS
- Trotter W.T., Jr., The dimension of the Cartesian product of partial orders. *Discrete Math.* **53** (1985), 255–263. PPS
- Trotter W.T., Jr. and K.P. Bogart, On the complexity of posets. *Discrete Math.* **16** (1976), 71–82. PPS
- Trotter W.T., Jr. and J.I. Moore, Jr., Characterization problems for graphs, partially ordered sets, lattices, and families of sets. *Discrete Math.* **16** (1976), 361–381. PPS
- Trotter W.T., Jr. and J.I. Moore, Jr., Some theorems on graphs and posets. *Discrete Math.* **15** (1976), 79–84. PPS
- Tsai M.T. and D.B. West, A new proof of 3-colorability of Eulerian triangulations. *Ars Math. Contemp.* **4** (2011), 73–77. PPS
- Tsai S.F., Problem. *Amer. Math. Monthly* **124** (6) (2017). PPS
- Tucker A.W., Some topological properties of disk and sphere. In *Proc. First Canadian Math. Congress, Montreal, 1945* (Univ. of Toronto Press, 1946), 285–309. PPS
- Turán P., Eine Extremalaufgabe aus der Graphentheorie. *Mat. Fiz Lapook* **48** (1941), 436–452. PPS
- Tutte W.T., On Hamiltonian circuits. *J. Lond. Math. Soc.* **21** (1946), 98–101. PPS
- Tutte W.T., The factorization of linear graphs. *J. Lond. Math. Soc.* **22** (1947), 107–111. PPS
- Tutte W.T., The dissection of equilateral triangles into equilateral triangles. *Proc. Cambridge Philos. Soc.* **44** (1948), 463–482. PPS
- Tutte W.T., The factors of graphs. *Canad. J. Math.* **4** (1952), 314–328. PPS
- Tutte W.T., A contribution to the theory of chromatic polynomials. *Canad. J. Math.* **6** (1954), 80–91. PPS
- Tutte W.T., A short proof of the factor theorem for finite graphs. *Canad. J. Math.* **6** (1954a), 347–352. PPS
- Tutte W.T., A theorem on planar graphs. *Trans. Amer. Math. Soc.* **82** (1956), 99–116. PPS
- Tutte W.T., A homotopy theorem for matroids, I, II. *Trans. Amer. Math. Soc.* **88** (1958), 144–174. PPS
- Tutte W.T., Convex representations of graphs. *Proc. Lond. Math. Soc.* **10** (1960), 304–320. PPS
- Tutte W.T., A theory of 3-connected graphs. *Indag. Math.* **23** (1961), 441–55. PPS
- Tutte W.T., On the problem of decomposing a graph into  $n$  connected factors. *J. Lond. Math. Soc.* **36** (1961a), 221–230. PPS
- Tutte W.T., How to draw a graph. *Proc. Lond. Math. Soc.* **13** (1963), 743–767. PPS
- Tutte W.T., How to draw a graph. *Proc. London Math. Soc. (3)* **13** (1963), 743–767. PPS
- Tutte W.T., On the algebraic theory of graph colourings. *J. Combin. Th.* **1** (1966), 15–50. PPS
- Tutte W.T., *Connectivity in Graphs* (Toronto Univ. Press, 1966a). PPS

- Tutte W.T., *Introduction to the Theory of Matroids* (Amer. Elsevier, 1970). PPS
- Tutte W.T., On the 2-factors of bicubic graphs. *Discr. Math.* **1** (1971), 203–208. PPS
- Tutte W.T., The subgraph problem. *Ann. Discrete Math.* **3** (1978), 289–295. PPS
- Tutte W.T. and C.A.B. Smith, On Unicursal Paths in a Network of Degree 4. *Amer. Math. Monthly* **48** (1941), 233–237. PPS
- Tuza Z., Graph coloring in linear time. *J. Combin. Th. B* **55** (1992), 236–243. PPS
- Tverberg H., A proof of the Jordan Curve Theorem. *Bull. Lond. Math. Soc.* **12** (1980), 34–38. PPS
- Tverberg H., On the decomposition of  $K_n$  into complete bipartite subgraphs. *J. Graph Th.* **6** (1982), 493–494. PPS
- Ungar P., Problem E3052. *Amer. Math. Monthly* **91** (1984), 438. Solution **94** (1987), 185–186. PPS
- Valencia-Pabon M. and J.C. Vera, On the diameter of Kneser graphs. *Discrete Math.* **305** (2005), 383–385. PPS
- Valiant L.G., The complexity of enumeration and reliability problems. *SIAM J. Comput.* **8** (1979), 410–421. PPS
- van Aardenne-Ehrenfest T. and N.G. de Bruijn, Circuits and trees in oriented linear graphs. *Simon Stevin* **28** (1951), 203–217. PPS
- van den Heuvel J. and S. McGuinness, Coloring the square of a planar graph. *J. Graph Theory* **42** (2003), 110–124. PPS
- van der Waerden B.L., *Moderne Algebra Vol. 1* (2nd ed.) (Springer-Verlag, 1937). (Many editions.) PPS
- van Lint J.H., *Combinatorial Theory Seminar, Eindhoven University of Technology, Lect. Notes in Math.* **382** (Springer-Verlag, 1974). PPS
- van Lint J.H. and R.M. Wilson, *A course in combinatorics* (Cambridge University Press, 1992). Also 2001. PPS
- van Lint J.H. and R.M. Wilson, *A course in combinatorics* (Cambridge Univ. Press, 1992). PPS
- Vanden Eynden C., Problem E3435. *Amer. Math. Monthly* **98** (1991), 365. Solution **99** (1992), 881–882. PPS
- Vandenbussche J. and D.B. West, Matching extendability in hypercubes. *SIAM J. Discrete Math.* **23** (2009), 1539–1547. PPS
- Vandermonde A.T., Mémoire sur des irrationnelles de différents ordres avec une application au cercle (French). *Acad. des Sci.* (1772). PPS
- Vapnik V.N. and A.Y. Chervonenkis, Theory of uniform convergence of frequencies of events to their probabilities and problems of search for an optimal solution from empirical data. *Avtomat. i Telemekh.* (1971), 42–53. PPS
- Vassilev M. and K. Atanassov, On Delanoy numbers. *Annuaire Univ. Sofia Fac. Math. Inform.* **81** (1994), 153–162. PPS
- Vazirani V.V., A theory of alternating paths and blossoms for proving correctness of the  $O(|V|^{1/2}||E|)$  general graph matching algorithm. *Combinatorica* **14** (1994), 71–91. PPS
- Vazirani V.V. and M. Yannakakis, Pfaffian orientations, 0-1 permanents, and even cycles in directed graphs. *Discrete Appl. Math.* **25** (1989), 179–190. PPS
- Veršik A.M. and S.V. Kerov, Asymptotic behavior of the Plancherel measure of the symmetric group and the limit form of Young tableaux. *Dokl. Akad. Nauk SSSR* **233** (1977), 1024–1027. PPS
- Viennot G., Une forme géométrique de la correspondance de Robinson-Schensted. In *Combinatoire et représentation du groupe symétrique (Actes Table Ronde CNRS, Univ. Louis-Pasteur Strasbourg, 1976), Lect. Notes Math.* **579** (Springer, 1977), 29–58. PPS
- Vijayaditya N., On total chromatic number of a graph. *J. London Math. Soc. (2)* **3** (1971), 405–408. PPS
- Vince A., Problem E1771. *Amer. Math. Monthly* **72** (1965), 316. Solution **73** (1966), 543. PPS
- Vince A., Problem 6617. *Amer. Math. Monthly* **96** (1989), 642. PPS
- Vitaver L.M., Determination of minimal coloring of vertices of a graph by means of Boolean powers of the incidence matrix (Russian). *Dokl. Akad. Nauk. SSSR* **147** (1962), 758–759. PPS
- Vizing V.G., The Cartesian product of graphs. *Vyč. Sis.* **9** (1963), 30–43. PPS
- Vizing V.G., On an estimate of the chromatic class of a  $p$ -graph. *Diskret. Analiz.* **3** (1964), 25–30. PPS
- Vizing V.G., Critical graphs with a given chromatic class (Russian). *Diskret. Analiz.* **5** (1965), 9–17. PPS
- Vizing V.G., Some unsolved problems in graph theory. *Uspekhi Mat. Nauk (Russian Math. Surveys)* **23** (1968), 9117–134. PPS
- Vizing V.G., Coloring the vertices of a graph in prescribed colors (Russian). *Diskret. Analiz.* **29** (1976), 3–10. PPS
- Vizing V.G. and M.K. Goldberg, The length of a circuit of a strongly connected graph. *Kibernetika (Kiev)* (1969), 79–82. PPS
- Voigt M., List colourings of planar graphs. *Discrete Math.* **120** (1993), 215–219. PPS
- Voigt M. and B. Wirth, On 3-colorable non-4-choosable planar graphs. *J. Graph Th.* **24** (1997), 233–235. PPS
- Volkman L., Bemerkungen zum  $p$ -fachen Kantenzusammenhang von Graphen. *An. Univ. București Mat.* **37** (1988), 75–79. PPS
- Volkman L., *Graphen und Digraphen* (Springer-Verlag, 1991). PPS
- Volkman L., Regular graphs, regular factors, and the impact of Petersen's theorems. *Jahresber. Deutsch. Math.-Verein.* **97** (1995), 19–42. PPS
- Volkman L., *Fundamente der Graphentheorie* (Springer-Verlag, 1996). PPS
- Voloshin V.I., Properties of triangulated graphs (Russian). In *Oper. Research and Progr.* (B. A. Shcherbakov, ed.) (Shtiintsa, 1982), 24–32. PPS
- Voloshin V.I., Problem 10976. *Amer. Math. Monthly* **109** (2002), 855. Solution **111** (2004), 444–445. PPS
- Voloshin V.I. and I.M. Gorgos, Some properties of 1-simply connected hypergraphs and their applications. *Mat. Issled.* (1982), 30–33, 191. PPS

- von Neumann J., A certain zero-sum two-person game equivalent to the optimal assignment problem. In *Contributions to the theory of games, vol. 2, Annals of Mathematics Studies, no. 28* (Princeton Univ. Press, 1953), 5–12. PPS
- von Staudt K.G.C., *Geometrie de Lage, Verlag von Bauer and Rapse 25* (Julius Merz, 1847). PPS
- Sajna M., Cycle decompositions. III. Complete graphs and fixed length cycles. *J. Combin. Des.* **10** (2002), 27–78. PPS
- Wagner K., Bemerkungen zum Vierfarbenproblem. *Jber. Deutsch. Math. Verein.* **46** (1936), 21–22. PPS
- Wagner K., Über eine Eigenschaft der ebenen Komplexe. *Math. Ann.* **114** (1937), 570–590. PPS
- Wagon S., A bound on the chromatic number of graphs without certain induced subgraphs. *J. Combin. Th. B* **29** (1980), 245–246. PPS
- Wagon S., Fourteen proofs of a result about tiling a rectangle. *Amer. Math. Monthly* **94** (1987), 601–617. PPS
- Wallis W.D., *Combinatorial designs, Monographs and Textbooks in Pure and Applied Mathematics* **118** (Marcel Dekker, 1988). PPS
- Wallis W.D., *A beginner's guide to graph theory* (Birkhäuser Boston, 2000). PPS
- Walsh T.R., The towers of Hanoi revisited: moving the rings by counting the moves. *Inform. Process. Lett.* **15** (1982), 64–67. PPS
- Walsh T.R., Iteration strikes back—at the cyclic Towers of Hanoi. *Inform. Process. Lett.* **16** (1983), 91–93. PPS
- Walter J.R., *Representations of rigid cycle graphs* (Wayne State Univ., 1972). Ph.D. Thesis. PPS
- Walters I.C., Jr., The ever expanding expander coefficients. *Bull. Inst. Combin. Appl.* (1996), 97. PPS
- Wang D.L. and D.J. Kleitman, On the existence of  $n$ -connected graphs with prescribed degrees ( $n \geq 2$ ). *Networks* **3** (1973), 225–239. PPS
- Wang D.L. and P. Wang, Some results about the Chvátal conjecture. *Discrete Math.* **24** (1978), 95–101. PPS
- Wang J.F., D.B. West, and B. Yao, Maximum bandwidth under edge addition. *J. Graph Theory* **20** (1995), 87–90. PPS
- Wang W. and Y. Chen, A sufficient condition for a planar graph to be class 1. *Theoret. Comput. Sci.* **385** (2007), 71–77. PPS
- Wang W. and K.W. Lih, Choosability and edge choosability of planar graphs without five cycles. *Appl. Math. Lett.* **15** (2002a), 561–565. PPS
- Wang W. and K.W. Lih, Choosability and edge choosability of planar graphs without intersecting triangles. *SIAM J. Discrete Math.* **15** (2002b), 538–545. PPS
- Wang Y. and L. Xu, A sufficient condition for a plane graph with maximum degree 6 to be class 1. *Discrete Appl. Math.* **161** (2013), 307–310. PPS
- Wardlaw W.P., Problem E3358. *Amer. Math. Monthly* **96** (1989), 928. Solution **98** (1991), 650. PPS
- Warren H.E., Lower bounds for approximation by nonlinear manifolds. *Trans. Amer. Math. Soc.* **133** (1968), 167–178. PPS
- Watkins M.E., On the existence of certain disjoint arcs in graphs. *Duke Math. J.* **35** (1968), 231–246. PPS
- Weaver W., Questions, Discussions, and Notes: Lewis Carroll and a Geometrical Paradox. *Amer. Math. Monthly* **45** (1938), 234–236. PPS
- Wei V.K., A Lower Bound on the Stability Number of a Simple Graph. Tech. Rep. TM 81-11217-9, Bell Laboratories (1981). PPS
- Weinstein J.M., On the number of disjoint edges in a graph. *Canad. J. Math.* **15** (1963), 106–111. PPS
- Welsh D.J.A., *Matroid Theory* (Academic Press, 1976). PPS
- Welsh D.J.A., Colouring problems and matroids. In *Surveys in combinatorics (Proc. 7th British Combi. Conf., 1979)*, *London Math. Soc. Lecture Note Ser.* **38** (Cambridge Univ. Press, 1979), 229–257. PPS
- Welsh D.J.A. and M.B. Powell, An upper bound for the chromatic number of a graph and its application to timetabling problems. *Computer J.* **10** (1967), 85–87. PPS
- Wendel J.G., A problem in geometric probability. *Math. Scand.* **11** (1962), 109–111. PPS
- Wenstrom L., Solution to problem 10931. *Amer. Math. Monthly* **111** (2004), 169–170. Proposed **109** (2002), 298. PPS
- Wernicke P., Über den kartographischen Vierfarbensatz. *Math. Ann.* **58** (1904), 413–426. PPS
- West D.B., Pairs of adjacent Hamiltonian circuits with small intersection. *Stud. Appl. Math.* **59** (1978), 245–248. PPS
- West D.B., A symmetric chain decomposition of  $L(4, n)$ . *European J. Combin.* **1** (1980), 379–383. PPS
- West D.B., A class of solutions to the gossip problem, I. *Discrete Math.* **39** (1982), 307–326. PPS
- West D.B., Extremal problems in partially ordered sets. In *Ordered sets (Banff, Alta., 1981)*, *NATO Adv. Study Inst. C: Math. Phys. Sci.* **83** (Reidel, 1982), 473–521. PPS
- West D.B., Gossiping without duplicate transmissions. *SIAM J. Algeb. Disc. Meth.* **3** (1982), 418–419. PPS
- West D.B., “Poly-unsaturated” posets: the Greene-Kleitman theorem is best possible. *J. Combin. Th. A* **41** (1986), 105–116. PPS
- West D.B., The superregular graphs. *J. Graph Th.* **23** (1996), 289–295. PPS
- West D.B., *Introduction to graph theory* (Prentice Hall, 1996a). Also 2001. PPS
- West D.B., Short proofs for interval digraphs. *Discrete Math.* **178** (1998), 287–292. PPS
- West D.B., *Introduction to graph theory, 2nd ed.* (Prentice Hall, 2001). Also 1996. PPS
- West D.B., A short proof of the Berge-Tutte formula and the Gallai-Edmonds structure theorem. *European J. Combin.* **32** (2011), 674–676. PPS



- West D.B., L.H. Harper, and D.E. Daykin, Some remarks on normalized matching. *J. Combin. Th. A* **35** (1983), 301–308. PPS
- West D.B. and D.J. Kleitman, Skew chain orders and sets of rectangles. *Discrete Math.* **27** (1979), 99–102. PPS
- West D.B., W.T. Trotter, Jr., G.W. Peck, and P. Shor, Regressions and monotone chains: a Ramsey-type extremal problem for partial orders. *Combinatorica* **4** (1984), 117–119. PPS
- West D.B. and W.H. Wiedemann, Problem E3290. *Amer. Math. Monthly* **95** (1988), 872. Solution **97** (1990), 428–429. PPS
- West Don, Solution to problem E2404. *Amer. Math. Monthly* **81** (1974), 287. Proposed **80** (1973), 316. PPS
- White D.E. and S.G. Williamson, Recursive matching algorithms and linear orders on the subset lattice. *J. Combinatorial Theory A* **23** (1977), 117–127. PPS
- Whiting P.D. and J.A. Hillier, A method for finding the shortest route through a road network. *Operations Research Quart.* **11** (1960), 37–40. PPS
- Whitney H., A theorem on graphs. *Ann. of Math. (2)* **32** (1931), 378–390. PPS
- Whitney H., Congruent graphs and the connectivity of graphs. *Amer. J. Math.* **54** (1932a), 150–168. PPS
- Whitney H., A logical expansion in Mathematics. *Bull. Amer. Math. Soc.* **38** (1932b), 572–579. PPS
- Whitney H., The coloring of graphs. *Ann. of Math. (2)* **33** (1932c), 688–718. PPS
- Whitney H., 2-Isomorphic Graphs. *Amer. J. Math.* **55** (1933), 245–254. PPS
- Whitney H., On the Classification of Graphs. *Amer. J. Math.* **55** (1933), 236–244. PPS
- Whitney H., Planar graphs. *Fund. Math.* **21** (1933a), 73–84. PPS
- Whitney H., 2-isomorphic graphs. *Amer. J. Math.* **55** (1933c), 245–254. PPS
- Whitney H., On the abstract properties of linear dependence. *Amer. J. Math.* **57** (1935), 509–533. PPS
- Whitworth W.A., *Choice and Chance (2nd ed.)* (Deighton, Bell & Co., 1897). First edition 1867. PPS
- Wiener N., A contribution to the theory of relative position. *Proc. Cambridge Philos. Soc.* **17** (1914), 441–449. PPS
- Wilf H.S., The eigenvalues of a graph and its chromatic number. *J. Lond. Math. Soc.* **42** (1967), 330–332. PPS
- Wilf H.S., The friendship theorem. In *Combinatorial Mathematics and Its Applications (Oxford, 1969)* (Academic Press, 1971), 307–309. PPS
- Wilf H.S., *generatingfunctionology* (Acad. Press, 1990). PPS
- Wilf H.S., Problem 10578. *Amer. Math. Monthly* **104** (1997), 270. Solution **106** (1999), 169. PPS
- Williamson J., Hadamard’s determinant theorem and the sum of four squares. *Duke Math. J.* **11** (1944), 65–81. PPS
- Wilson R.M., Constructions and uses of pairwise balanced designs. In *Combin. (Proc. NATO Advanced Study Inst., 1974) Part 1: Theory of designs, finite geometry and coding theory, Centre Tracts* **55** (Math. Centrum, 1974), 18–41. PPS
- Wilson R.M., An existence theory for pairwise balanced designs, II–III. *J. Combin. Th. A* **18** (1975), 71–79. PPS
- Wilson R.M., Decompositions of complete graphs into subgraphs isomorphic to a given graph. In *Proc. 5th British Combin. Conf. (Univ. Aberdeen, 1975)*, *Congr. Numer.* **15** (Utilitas Math., 1976), 647–659. PPS
- Wilson R.M., The exact bound in the Erdős-Ko-Rado theorem. *Combinatorica* **4** (1984), 247–257. PPS
- Win S., Existenz von Gerüsten mit vorgeschriebenem Maximalgrad in Graphen. *Abh. Math. Sem. Univ. Hamburg* **43** (1975), 263–267. PPS
- Winkler P.M., Average height in a partially ordered set. *Discrete Math.* **39** (1982), 337–341. PPS
- Winkler P.M., Proof of the squashed cube conjecture. *Combinatorica* **3** (1983), 135–139. PPS
- Winkler P.M., Correlation and order. In *Combinatorics and ordered sets (Arcata, 1985)*, *Contemp. Math.* **57** (Amer. Math. Soc., 1986), 151–174. PPS
- Winkler P.M., *Mathematical puzzles: a connoisseur’s collection* (A K Peters, 2004). PPS
- Winkler P.M., Puzzled: Solutions and sources. *Commun. ACM* **51** (2008), 118–118. PPS
- Wismath S.K., Characterizing bar line-of-sight graphs. In *Proc. 1st Symp. Comput. Geo. (Baltimore, 1985)* (ACM, 1985), 147–152. PPS
- Witt E., Ein kombinatorischer Satz der Elementargeometrie. *Math. Nachr.* **6** (1952), 261–262. PPS
- Witte D. and J.A. Gallian, A survey: Hamiltonian cycles in Cayley graphs. *Discrete Math.* **51** (1984), 293–304. PPS
- Wood D., The towers of Brahma and Hanoi revisited. *J. Recreational Math.* **14** (1981/82), 17–24. PPS
- Woodall D.R., Sufficient conditions for circuits in graphs. *Proc. Lond. Math. Soc.* **24** (1972), 739–755. PPS
- Woodall D.R., An exchange theorem for bases of matroids. *J. Combin. Th. B* **16** (1974), 227–228. PPS
- Woodall D.R., Cyclic-order graphs and Zarankiewicz’s crossing-number conjecture. *J. Graph Th.* **17** (1993), 657–671. PPS
- Woolhouse W.S.B., Prize question 1733. *Lady’s and Gentleman’s Diary* (1844). PPS
- Worpitzky J., Studien über die *bernoullischen* und *eulerschen* Zahlen (German). *J. Reine Angewandte* **94** (1883), 203–232. PPS
- Wu J.L., On the linear arboricity of planar graphs. *J. Graph Theory* **31** (1999), 129–134. PPS
- Wu J.L. and Y.W. Wu, The linear arboricity of planar graphs of maximum degree seven is four. *J. Graph Theory* **58** (2008), 210–220. PPS
- Xiao S., Solution to problem 11509. *Amer. Math. Monthly* **119** (2012), 430. Proposed **117** (2010), 558. PPS
- Xiao Y. and H. Zhao, New method for counting the number of spanning trees in a two-tree network. *Phys. A* **392** (2013), 4576–4583. PPS

- Yaglom A.M. and I.M. Yaglom, *Challenging mathematical problems with elementary solutions. Vol. I: Combinatorial analysis and probability theory*, Translated by James McCawley, Jr.; revised and edited by Basil Gordon (Holden-Day, 1964). PPS
- Yamamoto K., Logarithmic order of free distributive lattice. *J. Math. Soc. Japan* **6** (1954), 343–353. PPS
- Yan C.H., Parking functions. In *Handbook of enumerative combinatorics, Discrete Math. Appl. (Boca Raton)* (CRC Press, 2015), 835–893. PPS
- Yang J.S., Y.R. Huang, and K.M. Zhang, The value of the Ramsey number  $R(C_n, K_4)$  is  $3(n-1)+1$  ( $n \geq 4$ ). *Australas. J. Combin.* **20** (1999), 205–206. PPS
- Yang J.S., Y.R. Huang, and K.M. Zhang, On the Ramsey number  $R(C_n$  or  $K_{n-1}, K_m)$  ( $m = 3, 4$ ). *Australas. J. Combin.* **22** (2000), 307–311. PPS
- Yannakakis M., The complexity of the partial order dimension problem. *SIAM J. Algebraic Discrete Methods* **3** (1982), 351–358. PPS
- Yao A.C.C., Should tables be sorted? *J. Assoc. Comput. Mach.* **28** (1981), 615–628. PPS
- Yao F.F., D.P. Dobkin, H. Edelsbrunner, and M.S. Paterson, Partitioning space for range queries. *SIAM J. Comput.* **18** (1989), 371–384. PPS
- Yap H.P., Total colourings of graphs. *Bull. London Math. Soc.* **21** (1989), 159–163. PPS
- Yates F., A new method of arranging field trials involving a large number of varieties. *J. Agric. Sci. Comb.* **26** (1936), 424–455. PPS
- Yeh Y.N., A remarkable endofunction involving compositions. *Stud. Appl. Math.* **95** (1995), 419–432. PPS
- Young A., Quantitative substitutional analysis I. *Proc. London Math. Soc.* **33** (1901), 97–146. PPS
- Young A., Quantitative substitutional analysis II. *Proc. London Math. Soc.* **35** (1902), 361–397. PPS
- Yu X., Problem 10575. *Amer. Math. Monthly* **104** (1997), 168–169. Solution **106** (1999), 266–268. PPS
- Zaker M., On lower bounds for the chromatic number in terms of vertex degree. *Discrete Math.* **311** (2011a), 1365–1370. PPS
- Zaker M., Bounds for chromatic number in terms of even-girth and booksize. *Discrete Math.* **311** (2011b), 197–204. PPS
- Zaks J., Towards a simpler proof of the Brouwer fixed point theorem. *Geombinatorics* **5** (1995), 35–37. PPS
- Zamani R. and D.B. West, Spanning cycles through specified edges in bipartite graphs. *J. Graph Theory* **71** (2012), 1–17. PPS
- Zarankiewicz K., On a problem of P. Turán concerning graphs. *Fund. Math.* **41** (1954), 137–145. PPS
- Zaslavsky T., Glossary and bibliography of signed and gain graphs and allied areas. *Electron. J. Combin.* **5** (1998), Dynamic Surveys 8, 124 and 9, 41. PPS
- Zeckendorf E., A generalized Fibonacci numeration. *Fibonacci Quart.* **10** (1972), 365–372. PPS
- Zehavi A. and A. Itai, Three tree-paths. *J. Graph Theory* **13** (1989), 175–188. PPS
- Zeilberger D., Sister Celine’s technique and its generalizations. *J. Math. Anal. Appl.* **85** (1982), 114–145. PPS
- Zeilberger D., A short hook-lengths bijection inspired by the Greene-Nijenhuis-Wilf proof. *Discrete Math.* **51** (1984), 101–108. PPS
- Zeilberger D., Kathy O’Hara’s constructive proof of the unimodality of the Gaussian polynomials. *Amer. Math. Monthly* **96** (1989), 590–602. PPS
- Zeilberger D., A fast algorithm for proving terminating hypergeometric identities. *Discrete Math.* **80** (1990), 207–211. PPS
- Zeilberger D., The method of creative telescoping. *J. Symbolic Comput.* **11** (1991), 195–204. PPS
- Zeilberger D., Reverend Charles to the aid of Major Percy and Fields medalist Enrico. *Amer. Math. Monthly* **103** (1996), 501–502. PPS
- Zeilberger D., Dodgson’s determinant-evaluation rule proved by two-timing men and women. *Electron. J. Combin.* **4** (1997), Research Paper 22. PPS
- Zhan S., On Hamiltonian line graphs and connectivity. *Discr. Math.* **89** (1991), 89–95. PPS
- Zhang K.M. and Z.M. Song, Cycles in digraphs—a survey. *Nanjing Daxue Xuebao Ziran Kexue Ban* **27** (1991), 188–215. PPS
- Zhang L., Every planar graph with maximum degree 7 is of class 1. *Graphs Combin.* **16** (2000), 467–495. PPS
- Zhang L. and B. Wu, Edge choosability of planar graphs without small cycles. *Discrete Math.* **283** (2004), 289–293. PPS
- Zhou B., A note on the Erdős-Sós conjecture. *Acta Math. Sci. (English Ed.)* **4** (1984), 287–289. PPS
- Zhou L., Problem 11187. *Amer. Math. Monthly* **112** (2005), 929. Solution **114** (2007), 554. PPS
- Zhu Q.C., The structure of  $\alpha$ -critical graphs with  $|V(G)| - 2\alpha(G) = 3$ . In *Graph theory and its applications: East and West (Jinan, 1986)*, Ann. New York Acad. Sci. **576** (New York Acad. Sci., 1989), 716–722. PPS
- Zhu X., The fractional version of Hedetniemi’s conjecture is true. *European J. Combin.* **32** (2011), 1168–1175. PPS
- Zhu Y.J., Z.H. Liu, and Z.G. Yu, An improvement of Jackson’s result on Hamilton cycles in 2-connected regular graphs. In *Cycles in Graphs (Burnaby, 1982)* (B. Alspach and C. Godsil, eds.) (North-Holland, 1985), 237–247. PPS
- Ziegler G.M., Generalized Kneser coloring theorems with combinatorial proofs. *Invent. Math.* **147** (2002), 671–691. PPS
- Zito J., The structure and maximum number of maximum independent sets in trees. *J. Graph Theory* **15** (1991), 207–221. PPS

- Znám Š., Two improvements of a result concerning a problem of K. Zarankiewicz. *Colloq. Math.* **13** (1965), 255–258. PPS
- Zykov A.A., On some properties of linear complexes (Russian). *Mat. Sbornik* **24** (1949), 163–188. PPS