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- [Abay-Asmerom, 1998] Abay-Asmerom, G. (1998). Imbeddings of the tensor product of graphs where the second factor is a complete graph. *Discrete Math.*, 182:13–19.
- [Aho et al., 1974] Aho, A. V., Hopcroft, J. E., and Ullman, J. D. (1974). *The Design and Analysis of Computer Algorithms*. Addison-Wesley, Reading, MA.
- [Aho et al., 1987] Aho, A. V., Hopcroft, J. E., and Ullman, J. D. (1987). *Data Structures and Algorithms*. Addison-Wesley, Reading, MA.
- [Albertson and Collins, 1985] Albertson, M. O. and Collins, K. L. (1985). Homomorphisms of 3-chromatic graphs. *Discrete Math.*, 54:127–132.
- [Alexe and Olaru, 1997] Alexe, G. and Olaru, E. (1997). The strongly perfectness of normal product of  $t$ -perfect graphs. *Graphs and Combinatorics*, 13:209–215.
- [Alles, 1985] Alles, P. (1985). The dimension of sums of graphs. *Discrete Math.*, 54:229–233.
- [Alon, 1986] Alon, N. (1986). Covering graphs by the minimum number of equivalence relations. *Combinatorica*, 6:201–206.
- [Alon et al., 1997] Alon, N., Yuster, R., and Zwick, U. (1997). Finding and counting given length cycles. *Algorithmica*, 17:209–223.
- [Alspach et al., 1990] Alspach, B., Bermond, J.-C., and Sotteau, D. (1990). Decompositions into cycles I: Hamilton decompositions. In Hahn, G., Sabidussi, G., and Woodrow, R. E., editors, *Cycles and Rays: Basic Structures in Finite and Infinite Graphs*, volume 301 of *NATO ASI Ser., Ser. C*, pages 9–18. Kluwer, Dordrecht.
- [Alspach and George, 1990] Alspach, B. and George, J. C. (1990). One-factorizations of tensor products of graphs. In Bodendiek, R. and Henn, R., editors, *Topics in Combinatorics and Graph Theory. Essays in Honour of Gerhard Ringel*, pages 41–46. Physica-Verlag, Heidelberg.
- [Alspach and Rosenfeld, 1986] Alspach, B. and Rosenfeld, M. (1986). On Hamilton decompositions of prisms over simple 3-polytopes. *Graphs and Combinatorics*, 2:1–8.

- [Aubert and Schneider, 1981] Aubert, J. and Schneider, B. (1981). Décomposition de  $K_m + K_n$  en cycles Hamiltoniens. *Discrete Math.*, 37:19–27.
- [Aubert and Schneider, 1982] Aubert, J. and Schneider, B. (1982). Décomposition de la somme cartésienne d'un cycle et de l'union de deux cycles hamiltoniens en cycles hamiltoniens. *Discrete Math.*, 38:7–16.
- [Aurenhammer et al., 1994] Aurenhammer, F., Formann, M., Idury, R. M., Schäffer, A. A., and Wagner, F. (1994). Faster isometric embedding in products of complete graphs. *Discrete Appl. Math.*, 52:17–28.
- [Aurenhammer and Hagauer, 1995] Aurenhammer, F. and Hagauer, J. (1995). Recognizing binary Hamming graphs in  $O(n^2 \log n)$  time. *Math. Syst. Theory*, 28:387–395.
- [Aurenhammer et al., 1992] Aurenhammer, F., Hagauer, J., and Imrich, W. (1992). Cartesian graph factorization at logarithmic cost per edge. *Comput. Complexity*, 2:331–349.
- [Avann, 1961] Avann, S. P. (1961). Metric ternary distributive semi-lattices. *Proc. Amer. Math. Soc.*, 12:407–414.
- [Babai, 1995] Babai, L. (1995). Automorphism groups, isomorphism, reconstruction. In Graham, R. L., Grötschel, M., and Lovász, L., editors, *Handbook of Combinatorics*, volume 2, chapter 27, pages 1447–1540. Elsevier (North-Holland), Amsterdam.
- [Balakrishnan and Paulraja, 1998] Balakrishnan, R. and Paulraja, P. (1998). Hamilton cycles in tensor product of graphs. *Discrete Math.*, 186:1–13.
- [Bandelt, 1982] Bandelt, H.-J. (1982). Characterizing median graphs. manuscript.
- [Bandelt, 1984] Bandelt, H.-J. (1984). Retracts of hypercubes. *J. Graph Theory*, 8:501–510.
- [Bandelt and Chepoi, 1996] Bandelt, H.-J. and Chepoi, V. (1996). Graphs of acyclic cubical complexes. *European J. Combin.*, 17:113–120.
- [Bandelt et al., 1987] Bandelt, H.-J., Dählmann, A., and Schütte, H. (1987). Absolute retracts of bipartite graphs. *Discrete Appl. Math.*, 16:191–215.
- [Bandelt et al., 1993] Bandelt, H.-J., Farber, M., and Hell, P. (1993). Absolute reflexive retracts and absolute bipartite retracts. *Discrete Appl. Math.*, 44:9–20.
- [Bandelt and Mulder, 1983] Bandelt, H.-J. and Mulder, H. M. (1983). Infinite median graphs, (0,2)-graphs, and hypercubes. *J. Graph Theory*, 7:487–497.
- [Bandelt and Mulder, 1988] Bandelt, H.-J. and Mulder, H. M. (1988). Regular pseudo-median graphs. *J. Graph Theory*, 12:533–549.
- [Bandelt and Mulder, 1991] Bandelt, H.-J. and Mulder, H. M. (1991). Pseudo-median graphs: Decomposition via amalgamation and Cartesian multiplication. *Discrete Math.*, 94:161–180.
- [Bandelt et al., 1994] Bandelt, H.-J., Mulder, H. M., and Wilkeit, E. (1994). Quasi-median graphs and algebras. *J. Graph Theory*, 18:681–703.
- [Bandelt and Pesch, 1989] Bandelt, H.-J. and Pesch, E. (1989). Dismantling absolute retracts of reflexive graphs. *European J. Combin.*, 10:211–220.

- [Bandelt and Prisner, 1991] Bandelt, H.-J. and Prisner, E. (1991). Clique graphs and Helly graphs. *J. Combin. Theory Ser. B*, 51:34–45.
- [Bandelt and van de Vel, 1987] Bandelt, H.-J. and van de Vel, M. (1987). A fixed cube theorem for median graphs. *Discrete Math.*, 67:129–137.
- [Baranyai and Szasz, 1981] Baranyai, Z. and Szasz, Gy. R. (1981). Hamiltonian decomposition of lexicographic products. *J. Combin. Theory Ser. B*, 31:253–261.
- [Barcalkin and German, 1979] Barcalkin, A. M. and German, L. F. (1979). The external stability number of the Cartesian product of graphs (in Russian). *Bul. Akad. Štiince RSS Moldoven.*, 1:5–8.
- [Barnes and Mackey, 1978] Barnes, B. H. and Mackey, K. E. (1978). A generalized measure of independence and the strong product of graphs. *Networks*, 8:135–151.
- [Baron, 1968] Baron, G. (1968). Über den Baumgraphen eines endlichen ungerichteten Graphen. *Arch. Math.*, 19:668–672.
- [Batagelj and Pisanski, 1982] Batagelj, V. and Pisanski, T. (1982). Hamiltonian cycles in the Cartesian product of a tree and a cycle. *Discrete Math.*, 38:311–312.
- [Baumert et al., 1971] Baumert, L. D., McEliece, R. J., Rodemich, E., Rumsey, H. C., Stanley, R., and Taylor, H. (1971). A combinatorial packing problem. In *Computers in Algebra and Number Theory (proc. SIAM-AMS Sympos. Appl. Math.)*, pages 97–108. American Mathematical Society, Providence, RI.
- [Behzad and Chartrand, 1971] Behzad, M. and Chartrand, G. (1971). *Introduction to the Theory of Graphs*. Allyn and Bacon, Boston.
- [Behzad and Mahmoodian, 1969] Behzad, M. and Mahmoodian, E. S. (1969). On topological invariants of the product of graphs. *Canad. Math. Bull.*, 12:157–166.
- [Berge, 1961] Berge, C. (1961). Färbung von Graphen, deren sämtliche bzw. deren ungerade Kreise starr sind. *Wiss. Z. Martin Luther Univ. Halle Wittenberg Math. Nat. Reihe*, 10:114–115.
- [Bermond, 1978] Bermond, J.-C. (1978). Hamiltonian decompositions of graphs, directed graphs and hypergraphs. In *Advances in Graph Theory (Cambridge Combinatorial Conf., Trinity College, Cambridge, 1977)*, volume 3 of *Ann. Discrete Math.*, pages 21–28. North-Holland, Amsterdam.
- [Bermond et al., 1979] Bermond, J.-C., Germa, A., and Heydemann, M. C. (1979). Hamiltonian cycles in strong products of graphs. *Canad. Math. Bull.*, 22:305–309.
- [Berrachedi, 1994] Berrachedi, A. (1994). A new characterization of median graphs. *Discrete Math.*, 128:385–387.
- [Bhat, 1980] Bhat, K. V. S. (1980). On the complexity of testing a graph for  $n$ -cube. *Inform. Process. Lett.*, 11:16–19.
- [Birkhoff, 1940] Birkhoff, G. (1940). *Lattice Theory*. American Mathematical Society, New York.
- [Bollobás, 1978a] Bollobás, B. (1978a). Cycles and semi-topological configurations. In *Theory and Applications of Graphs (Proc. Internat. Conf., Western Mich. Univ., Kalamazoo, 1976)*, volume 642 of *Lecture Notes in Math.*, pages 66–74. Springer, Berlin.

- [Bollobás, 1978b] Bollobás, B. (1978b). *Extremal Graph Theory*. Academic Press, New York.
- [Bollobás and Thomason, 1979] Bollobás, B. and Thomason, A. (1979). Set colourings of graphs. *Discrete Math.*, 25:21–26.
- [Borowiecki, 1972] Borowiecki, M. (1972). Hamiltonian cycles in conjunction of two graphs. *Prace NIMFTP Wrocławskiej Ser. Stud. Materiały*, 6:19–26.
- [Borowiecki and Szelecka, 1993] Borowiecki, M. and Szelecka, A. (1993). One-factorizations of the generalized Cartesian product and the  $X$ -join of regular graphs. *Discuss. Math.*, 13:15–19.
- [Brandstädt et al., 1999] Brandstädt, A., Le, V. B., and Spinrad, J. P. (1999). *Graph Classes*. SIAM Monographs on Discrete Mathematics and Applications. SIAM, Philadelphia.
- [Brown et al., 1996] Brown, J. I., Nowakowski, R. J., and Rall, D. (1996). The ultimate categorical independence ratio of a graph. *SIAM J. Discrete Math.*, 9:290–300.
- [Burr et al., 1976] Burr, S. A., Erdős, P., and Lovász, L. (1976). On graphs of Ramsey type. *Ars Combin.*, 1:167–190.
- [Catlin, 1979] Catlin, P. A. (1979). Hajós' graph-coloring conjecture: variations and counterexamples. *J. Combin. Theory Ser. B*, 26:268–274.
- [Chang, 1961] Chang, C. C. (1961). Ordinal factorization of finite relations. *Trans. Amer. Math. Soc.*, 101:259–293.
- [Chang and Morel, 1960] Chang, C. C. and Morel, A. C. (1960). Some cancellation theorems for ordinal products of relations. *Duke Math. J.*, 27:171–181.
- [Chang and Clark, 1993] Chang, T. Y. and Clark, W. E. (1993). The domination numbers of the  $5 \times n$  and  $6 \times n$  grid graphs. *J. Graph Theory*, 17:81–107.
- [Chao, 1964] Chao, C.-Y. (1964). On a theorem of Sabidussi. *Proc. Amer. Math. Soc.*, 15:291–292.
- [Chappell, 1996] Chappell, G. G. (1996). Optimization on products of combinatorial structures. Ph.D. thesis, University of Illinois.
- [Chastand, 1992] Chastand, M. (1992). Graphes de Hamming invariants dans les graphes quasi-medians. Papier de recherche, no. 40-IEA, Université Jean Moulin.
- [Chastand and Polat, 1996] Chastand, M. and Polat, N. (1996). Invariant Hamming graphs in infinite quasi-median graphs. *Discrete Math.*, 160:93–104.
- [Chen et al., 1996] Chen, G., Piotrowski, W., and Shreve, W. (1996). A partition approach to Vizing's conjecture. *J. Graph Theory*, 21:103–111.
- [Chepoi, 1988] Chepoi, V. (1988).  $d$ -Convexity and isometric subgraphs of Hamming graphs. *Cybernetics*, 1:6–9.
- [Chepoi, 1994] Chepoi, V. (1994). Separation of two convex sets in convexity structures. *J. Geom.*, 50:30–51.
- [Chepoi, 1996] Chepoi, V. (1996). On distances in benzenoid systems. *J. Chem. Inf. Comp. Sci.*, 36:1169–1172.

- [Chepoi and Klavžar, 1997] Chepoi, V. and Klavžar, S. (1997). The Wiener index and the Szeged index of benzenoid systems in linear time. *J. Chem. Inf. Comp. Sci.*, 37:752–755.
- [Chiba and Nishizeki, 1985] Chiba, N. and Nishizeki, T. (1985). Arboricity and subgraph listing algorithms. *SIAM J. Comput.*, 14:210–223.
- [Chung et al., 1987] Chung, F. R. K., Graham, R. L., and Saks, M. E. (1987). Dynamic search in graphs. In Johnson, D. S., Nishizeki, T., Takao, N., and Wilf, H. S., editors, *Discrete Algorithm and Complexity*, volume 15 of *Perspectives in Computing*, pages 351–388. Academic Press, San Diego, CA.
- [Chung et al., 1989] Chung, F. R. K., Graham, R. L., and Saks, M. E. (1989). A dynamic location problem for graphs. *Combinatorica*, 9:111–132.
- [Cockayne et al., 1985] Cockayne, E. J., Hare, E. O., Hedetniemi, S. T., and Wimer, T. V. (1985). Bounds for the domination number of grid graphs. *Congr. Numer.*, 47:217–228.
- [Coppersmith and Winograd, 1990] Coppersmith, D. and Winograd, S. (1990). Matrix multiplication via arithmetic progressions. *J. Symbolic Comput.*, 9:251–280.
- [Cormen et al., 1990] Cormen, T. H., Leierson, C. E., and Rivest, R. L. (1990). *Introduction to Algorithms*. MIT Press, Cambridge.
- [Craft and Schwenk, 1993] Craft, D. L. and Schwenk, A. J. (1993). The genus imbedding of the Cartesian product  $G \times K_2$  need not include a genus imbedding of its factor  $G$ . *Ars Combin.*, 35A:29–34.
- [Dakić et al., 1995] Dakić, T., Nedela, R., and Pisanski, T. (1995). Embeddings of tensor product graphs. In Alavi, Y. and Schwenk, A., editors, *Graph Theory, Combinatorics and Applications: Proc. 7th Quad. Int. Conf. Theor. Appl. Graphs*, Vol. 2, pages 893–904. Wiley, New York.
- [Dirac, 1952] Dirac, G. A. (1952). A property of 4-chromatic graphs and some remarks on critical graphs. *J. London Math. Soc.*, 27:85–92.
- [Djoković, 1973] Djoković, D. Z. (1973). Distance preserving subgraphs of hypercubes. *J. Combin. Theory Ser. B*, 14:263–267.
- [Domke et al., 1988] Domke, G. S., Hedetniemi, S. T., and Laskar, R. C. (1988). Fractional packings, coverings, and irredundance in graphs. *Congr. Numer.*, 66:227–238.
- [Dörfler, 1973] Dörfler, W. (1973). Some results on the reconstruction of graphs. In *Infinite and Finite Sets (Colloq., Keszthely, 1973; dedicated to P. Erdos on his 60th birthday)*, Vol. I, volume 10 of *Colloq. Math. Soc. János Bolyai*, pages 361–383. North-Holland, Amsterdam.
- [Dörfler, 1974] Dörfler, W. (1974). Primfaktorzerlegung und Automorphismen des Kardinalproduktes von Graphen. *Glasnik Mat.*, 9:15–27.
- [Dörfler and Imrich, 1970] Dörfler, W. and Imrich, W. (1970). Über das starke Produkt von endlichen Graphen. *Österreich. Akad. Wiss. Math.-Natur. Kl. S.-B. II*, 178:247–262.
- [Dörfler and Imrich, 1972] Dörfler, W. and Imrich, W. (1972). Das lexikographische Produkt gerichteter Graphen. *Monatsh. Math.*, 76:21–30.
- [Dress et al., 1997] Dress, A., Hendy, M., Huber, K., and Moulton, V. (1997). On the number of vertices and edges in the Buneman graph. *Ann. Combin.*, 1:329–337.

- [Duffus et al., 1985] Duffus, D., Sands, B., and Woodrow, R. E. (1985). On the chromatic number of the product of graphs. *J. Graph Theory*, 9:487–495.
- [Eaton and Rödl, 1996] Eaton, N. and Rödl, V. (1996). Graphs of small dimensions. *Combinatorica*, 16:59–85.
- [El-Zahar and Pareek, 1991] El-Zahar, M. and Pareek, C. M. (1991). Domination number of products of graphs. *Ars Combin.*, 31:223–227.
- [El-Zahar and Sauer, 1985] El-Zahar, M. and Sauer, N. (1985). The chromatic number of the product of two 4-chromatic graphs is 4. *Combinatorica*, 5:121–126.
- [Fan and Liu, 1998] Fan, C. and Liu, J. (1998). Hamiltonian decompositions of strong products. *J. Graph Theory*, 29:45–55.
- [Farber, 1986] Farber, M. (1986). An analogue of the Shannon capacity of a graph. *SIAM J. Algebraic Discrete Methods*, 7:67–72.
- [Fáry, 1948] Fáry, I. (1948). On straight line representation of planar graphs. *Acta Univ. Szeged. Sect. Sci. Math.*, 11:229–233.
- [Farzan and Waller, 1977] Farzan, M. and Waller, D. A. (1977). Kronecker products and local joins of graphs. *Canad. J. Math.*, 29:255–269.
- [Faudree et al., 1990] Faudree, R. J., Schelp, R. H., and Shreve, W. E. (1990). The domination number for the product of graphs. *Congr. Numer.*, 79:29–33.
- [Feder, 1992] Feder, T. (1992). Product graph representations. *J. Graph Theory*, 16:467–488.
- [Feder, 1995] Feder, T. (1995). Stable networks and product graphs. *Mem. Amer. Math. Soc.*, 116:no. 555.
- [Feigenbaum and Haddad, 1989] Feigenbaum, J. and Haddad, R. W. (1989). On factorable extensions and subgraphs of prime graphs. *SIAM J. Discrete Math.*, 2:197–218.
- [Feigenbaum et al., 1985] Feigenbaum, J., Hershberger, J., and Schäffer, A. A. (1985). A polynomial time algorithm for finding the prime factors of Cartesian-product graphs. *Discrete Appl. Math.*, 12:123–138.
- [Feigenbaum and Schäffer, 1986] Feigenbaum, J. and Schäffer, A. A. (1986). Recognizing composite graphs is equivalent to testing graph isomorphism. *SIAM J. Comput.*, 15:619–627.
- [Feigenbaum and Schäffer, 1992] Feigenbaum, J. and Schäffer, A. A. (1992). Finding the prime factors of strong direct product graphs in polynomial time. *Discrete Math.*, 109:77–102.
- [Fink et al., 1985] Fink, J. F., Jacobson, M. S., Kinch, L. F., and Roberts, J. (1985). On graphs having domination number half their order. *Period. Math. Hungar.*, 16:287–293.
- [Fischer and Meyer, 1971] Fischer, M. J. and Meyer, A. R. (1971). Boolean matrix multiplication and transitive closure. In *Conf. Rec. 12th Ann. IEEE Symp. Switching and Automata Theory*, pages 129–131. MIT Press, Cambridge.
- [Fisher, 1994] Fisher, D. C. (1994). Domination, fractional domination, 2-packing, and graph products. *SIAM J. Discrete Math.*, 7:493–498.

- [Fisher et al., 1994] Fisher, D. C., Ryan, J., Domke, D., and Majumdar, A. (1994). Fractional domination of strong direct products. *Discrete Appl. Math.*, 50:89–91.
- [Foldes, 1977] Foldes, S. (1977). A characterization of hypercubes. *Discrete Math.*, 17:155–159.
- [Foregger, 1978] Foregger, M. F. (1978). Hamiltonian decompositions of products of cycles. *Discrete Math.*, 24:251–260.
- [Frankl, 1996] Frankl, P. (1996). An Erdős-Ko-Rado theorem for direct products. *European J. Combin.*, 17:727–730.
- [Frucht, 1938] Frucht, R. (1938). Herstellung von Graphen mit vorgegebener abstrakter Gruppe. *Compositio Math.*, 6:239–250.
- [Gao and Zhu, 1996] Gao, G. and Zhu, X. (1996). Star-extremal graphs and the lexicographic product. *Discrete Math.*, 152:147–156.
- [Gardner, 1986] Gardner, M. (1986). *Knotted Doughnuts and Other Mathematical Entertainments*. Freeman, New York.
- [Gedeonova, 1990] Gedeonova, E. (1990). Constructions of  $S$ -lattices. *Order*, 7:249–266.
- [Geller, 1976] Geller, D. (1976).  $r$ -tuple colorings of uniquely colorable graphs. *Discrete Math.*, 16:9–12.
- [Geller and Stahl, 1975] Geller, D. and Stahl, S. (1975). The chromatic number and other functions of the lexicographic product. *J. Combin. Theory Ser. B*, 19:87–95.
- [Godsil, 1981] Godsil, C. D. (1981). GRRs for nonsolvable groups. In *Algebraic Methods in Graph Theory, Vol. I, II (Szeged, 1978)*, volume 25 of *Colloq. Math. Soc. János Bolyai*, pages 221–239. North-Holland, Amsterdam.
- [Godsil, 1995] Godsil, C. D. (1995). Problems in algebraic combinatorics. *Electron. J. Combin.*, 2:Feature 1, approx. 20 pp.
- [Golumbic, 1980] Golumbic, M. C. (1980). *Algorithmic Graph Theory and Perfect Graphs*. Academic Press, New York.
- [Graham, 1970] Graham, R. L. (1970). On primitive graphs and optimal vertex assignments. In *International Conference on Combinatorial Mathematics (1970)*, volume 175 of *Ann. New York Acad. Sci.*, pages 170–186. New York Acad. Sci., New York.
- [Graham, 1988] Graham, R. L. (1988). Isometric embeddings of graphs. In Beineke, L. and Wilson, R., editors, *Selected Topics in Graph Theory III*, pages 133–150. Academic Press, San Diego, CA.
- [Graham et al., 1995] Graham, R. L., Groetschel, M., and Lovász, L., editors (1995). *Handbook of Combinatorics*, volume 1-2. Elsevier Science, Amsterdam; MIT Press, Cambridge.
- [Graham and Pollak, 1971] Graham, R. L. and Pollak, H. O. (1971). On the addressing problem for loop switching. *Bell System Tech. J.*, 50:2495–2519.
- [Graham and Pollak, 1972] Graham, R. L. and Pollak, H. O. (1972). On embedding graphs in squashed cubes. In *Graph Theory and Applications (Proc. Conf., Western Michigan Univ., Kalamazoo, 1972; dedicated to the memory of J. W. T. Youngs)*, volume 303 of *Lecture Notes in Math.*, pages 99–110. Springer, Berlin.

- [Graham and Winkler, 1985] Graham, R. L. and Winkler, P. M. (1985). On isometric embeddings of graphs. *Trans. Amer. Math. Soc.*, 288:527–536.
- [Gravier, 1997] Gravier, S. (1997). Hamiltonicity of the cross product of two Hamiltonian graphs. *Discrete Math.*, 170:253–257.
- [Gravier and Khelladi, 1995] Gravier, S. and Khelladi, A. (1995). On the domination number of cross products of graphs. *Discrete Math.*, 145:273–277.
- [Gravier and Mollard, 1997] Gravier, S. and Mollard, M. (1997). On domination numbers of Cartesian products of paths. *Discrete Appl. Math.*, 80:247–250.
- [Greenwell and Lovász, 1974] Greenwell, D. and Lovász, L. (1974). Applications of product colouring. *Acta Math. Acad. Sci. Hungar.*, 25:335–340.
- [Gromov, 1981] Gromov, M. (1981). Groups of polynomial growth and expanding maps. Appendix by Jacques Tits. *Inst. Hautes Etudes Sci. Publ. Math.*, 53:53–78.
- [Guo and Watanabe, 1990] Guo, F. and Watanabe, Y. (1990). On graphs in which the Shannon capacity is unachievable by finite product. *IEEE Trans. Inform. Theory*, 36:622–623.
- [Gutman and Cyvin, 1989] Gutman, I. and Cyvin, S. J. (1989). *Introduction to the Theory of Benzenoid Hydrocarbons*. Springer-Verlag, Berlin.
- [Gutman and Klavžar, 1996] Gutman, I. and Klavžar, S. (1996). A method for calculating Wiener numbers of benzenoid hydrocarbons. *ACH—Models in Chemistry*, 133:389–399.
- [Gutman et al., 1997a] Gutman, I., Klavžar, S., and Mohar, B., editors (1997a). *Fifty Years of the Wiener Index*, volume 35 of *MATCH*. A. Kerber, Bayreuth.
- [Gutman et al., 1997b] Gutman, I., Klavžar, S., and Mohar, B., editors (1997b). *Fifty Years of the Wiener Index*, volume 80 of *Discrete Appl. Math.*. Elsevier, Amsterdam.
- [Győri and Imrich, 1999] Győri, E. and Imrich, W. (1999). On the strong product of a  $k$ -extendable and an  $\ell$ -extendable graph. To appear in *Graphs Combin.*
- [Győri and Plummer, 1992] Győri, E. and Plummer, M. D. (1992). The Cartesian product of a  $k$ -extendable and an  $\ell$ -extendable graph is  $(k + \ell + 1)$ -extendable. *Discrete Math.*, 101:87–96.
- [Habib and Maurer, 1979] Habib, M. and Maurer, M. C. (1979). On the  $X$ -join decomposition for undirected graphs. *Discrete Appl. Math.*, 1:201–207.
- [Haemers, 1979] Haemers, W. (1979). On some problems of Lovász concerning the Shannon capacity of a graph. *IEEE Trans. Inform. Theory*, 25:231–232.
- [Hagauer, 1995] Hagauer, J. (1995). Skeletons, recognition algorithm and distance matrix of quasi-median graphs. *Intern. J. Comput. Math.*, 55:155–171.
- [Hagauer et al., 1999] Hagauer, J., Imrich, W., and Klavžar, S. (1999). Recognizing median graphs in subquadratic time. *Theoret. Comput. Sci.*, 215:123–136.
- [Hagauer and Žerovnik, 1995] Hagauer, J. and Žerovnik, J. (1995). An algorithm for the weak reconstruction of Cartesian-product graphs. Preprint Ser. Univ. of Ljubljana 33 (1995) 470.

- [Häggkvist et al., 1988] Häggkvist, R., Hell, P., Miller, D. J., and Neumann-Lara, V. (1988). On multiplicative graphs and the product conjecture. *Combinatorica*, 8:63–74.
- [Hahn et al., 1995] Hahn, G., Hell, P., and Poljak, S. (1995). On the ultimate independence ratio of a graph. *European J. Combin.*, 16:253–261.
- [Hahn and Tardif, 1997] Hahn, G. and Tardif, C. (1997). Graph homomorphisms: structure and symmetry. In Hahn, G. and Sabidussi, G., editors, *Graph Symmetry (Montreal, PQ, 1996)*, volume 497 of *NATO Adv. Sci. Inst. Ser. C Math. Phys. Sci.*, pages 107–166. Kluwer, Dordrecht.
- [Hajós, 1961] Hajós, G. (1961). Über eine Konstruktion nicht  $n$ -färbbarer Graphen. *Wiss. Z. Martin-Luther Univ. Halle-Wittenberg Math. Natur. Reihe*, 10:116–117.
- [Hales, 1973] Hales, R. S. (1973). Numerical invariants and the strong product of graphs. *J. Combin. Theory Ser. B*, 15:146–155.
- [Hall, 1976] Hall, Jr, M. (1976). *The Theory of Groups*. American Mathematical Society, Providence, RI, second edition.
- [Harary, 1959] Harary, F. (1959). On the group of the composition of two graphs. *Duke Math. J.*, 26:29–36.
- [Harary, 1969] Harary, F. (1969). *Graph Theory*. Addison Wesley, Reading, MA.
- [Hartnell and Rall, 1991] Hartnell, B. L. and Rall, D. F. (1991). On Vizing’s conjecture. *Congr. Numer.*, 82:87–96.
- [Hartnell and Rall, 1995] Hartnell, B. L. and Rall, D. F. (1995). Vizing’s conjecture and the one-half argument. *Discuss. Math. Graph Theory*, 15:205–216.
- [Hartnell and Rall, 1998] Hartnell, B. L. and Rall, D. F. (1998). Domination in Cartesian products: Vizing’s conjecture. In *Domination in Graphs, Advanced Topics*, volume 209 of *Monogr. Textbooks Pure Appl. Math.*, pages 163–189. Dekker, New York.
- [Hausdorff, 1914] Hausdorff, F. (1914). *Grundzüge der Mengenlehre*. Leipzig.
- [Hedetniemi, 1966] Hedetniemi, S. (1966). Homomorphisms of graphs and automata. Technical Report 03105-44-T, University of Michigan.
- [Hell, 1972] Hell, P. (1972). Rétractions de graphes. Ph.D. thesis, Université de Montréal.
- [Hell and Rival, 1987] Hell, P. and Rival, I. (1987). Absolute retracts and varieties of reflexive graphs. *Canad. J. Math.*, 39:544–567.
- [Hell and Roberts, 1982] Hell, P. and Roberts, F. S. (1982). Analogues of the Shannon capacity of a graph. In *Theory and Practice of Combinatorics*, volume 12 of *Ann. Discrete Math.*, pages 155–168. North-Holland, Amsterdam.
- [Hell et al., 1994a] Hell, P., Yu, X., and Zhou, H. (1994a). Independence ratios of graph powers. *Discrete Math.*, 127:213–220.
- [Hell et al., 1994b] Hell, P., Zhou, H., and Zhu, X. (1994b). Multiplicativity of oriented cycles. *J. Combin. Theory Ser. B*, 60:239–253.

- [Hemminger, 1968] Hemminger, R. L. (1968). The group of an X-join of graphs. *J. Combin. Theory*, 5:408–418.
- [Hilton et al., 1973] Hilton, A. J. W., Rado, R., and Scott, S. H. (1973). A ( $<5$ )-colour theorem for planar graphs. *Bull. London Math. Soc.*, 5:302–306.
- [Hilton et al., 1975] Hilton, A. J. W., Rado, R., and Scott, S. H. (1975). Multicolouring graphs and hypergraphs. *Nanta Math.*, 9:152–155.
- [Horton and Wallis, 1999] Horton, J. D. and Wallis, W. D. (1999). Factoring the Cartesian product of a cubic graph and a triangle. Paper submitted to the proceedings of the 17th BCC conference, a special volume of *Discrete Math.*
- [Imrich, 1969a] Imrich, W. (1969a). Automorphismen und das kartesische Produkt von Graphen. *Österreich. Akad. Wiss. Math.-Natur. Kl. S.-B. II*, 177:203–214.
- [Imrich, 1969b] Imrich, W. (1969b). Graphen mit transitiver Automorphismengruppe. *Monatsh. Math.*, 73:341–347.
- [Imrich, 1969c] Imrich, W. (1969c). Über das lexikographische Produkt von Graphen. *Arch. Math. (Basel)*, 20:228–234.
- [Imrich, 1970] Imrich, W. (1970). Graphs with transitive Abelian automorphism group. In *Combinat. Theory Appl.*, volume 4 of *Colloq. Math. Soc. János Bolyai*, pages 651–656. North Holland, Amsterdam.
- [Imrich, 1971] Imrich, W. (1971). Über das schwache Kartesische Produkt von Graphen. *J. Combin. Theory Ser. B*, 11:1–16.
- [Imrich, 1972a] Imrich, W. (1972a). Assoziative Produkte von Graphen. *Österreich. Akad. Wiss. Math.-Natur. Kl. S.-B. II*, 180:203–239.
- [Imrich, 1972b] Imrich, W. (1972b). On products of graphs and regular groups. *Israel J. Math.*, 11:258–264.
- [Imrich, 1977] Imrich, W. (1977). Subgroup theorems and graphs. In *Combinatorial Mathematics, V (Proc. Fifth Austral. Conf., Roy. Melbourne Inst. Tech., Melbourne, 1976)*, volume 622 of *Lecture Notes in Math.*, pages 1–27. Springer, Berlin.
- [Imrich, 1989] Imrich, W. (1989). Embedding graphs into Cartesian products. In *Graph Theory and its Applications: East and West (Jinan, 1986)*, volume 576 of *Ann. New York Acad. Sci.*, pages 266–274. New York Academy of Sciences, New York.
- [Imrich, 1998] Imrich, W. (1998). Factoring cardinal product graphs in polynomial time. *Discrete Math.*, 192:119–144.
- [Imrich and Izbicki, 1975] Imrich, W. and Izbicki, H. (1975). Associative products of graphs. *Monatsh. Math.*, 80:277–281.
- [Imrich and Klavžar, 1992] Imrich, W. and Klavžar, S. (1992). Retracts of strong products of graphs. *Discrete Math.*, 109:147–154.
- [Imrich and Klavžar, 1993] Imrich, W. and Klavžar, S. (1993). A simple  $O(mn)$  algorithm for recognizing Hamming graphs. *Bull. Inst. Combin. Appl.*, 9:45–56.

- [Imrich and Klavžar, 1997] Imrich, W. and Klavžar, S. (1997). Recognizing Hamming graphs in linear time and space. *Inform. Process. Lett.*, 63:91–95.
- [Imrich and Klavžar, 1998] Imrich, W. and Klavžar, S. (1998). A convexity lemma and expansion procedures for bipartite graphs. *European J. Combin.*, 19:677–685.
- [Imrich and Klavžar, 1999] Imrich, W. and Klavžar, S. (1999). Recognizing graphs of acyclic cubical complexes. *Discrete Appl. Math.*, 95:321–330.
- [Imrich et al., 1999] Imrich, W., Klavžar, S., and Mulder, H. M. (1999). Median graphs and triangle-free graphs. *SIAM J. Discrete Math.*, 12:111–118.
- [Imrich and Pultr, 1991] Imrich, W. and Pultr, A. (1991). Classification of tensor products of symmetric graphs. *Comment. Math. Univ. Carolin.*, 32:315–322.
- [Imrich and Watkins, 1976] Imrich, W. and Watkins, M. E. (1976). On automorphism groups of Cayley graphs. *Period. Math. Hungar.*, 7:243–258.
- [Imrich and Žerovnik, 1994] Imrich, W. and Žerovnik, J. (1994). Factoring Cartesian-product graphs. *J. Graph Theory*, 18:557–567.
- [Imrich and Žerovnik, 1996] Imrich, W. and Žerovnik, J. (1996). On the weak reconstruction of Cartesian-product graphs. *Discrete Math.*, 150:167–178.
- [Isbell, 1980] Isbell, J. R. (1980). Median algebra. *Trans. Amer. Math. Soc.*, 260:319–362.
- [Jacobson and Kinch, 1984] Jacobson, M. S. and Kinch, L. F. (1984). On the domination number of products of graphs: I. *Ars Combin.*, 18:33–44.
- [Jacobson and Kinch, 1986] Jacobson, M. S. and Kinch, L. F. (1986). On the domination of the products of graphs II: Trees. *J. Graph Theory*, 10:97–106.
- [Jawhari et al., 1986] Jawhari, E. M., Misane, D., and Pouzet, M. (1986). Retracts: graphs and ordered sets from the metric point of view. In *Combinatorics and Ordered Sets (Arcata, Calif., 1985)*, volume 57 of *Contemp. Math.*, pages 175–226. American Mathematical Society, Providence, RI.
- [Jensen and Toft, 1995] Jensen, T. R. and Toft, B. (1995). *Graph Coloring Problems*. John Wiley & Sons, New York.
- [Jha, 1992] Jha, P. K. (1992). Hamiltonian decompositions of products of cycles. *Indian J. Pure Appl. Math.*, 23:723–729.
- [Jha et al., 1996] Jha, P. K., Agnihotri, N., and Kumar, R. (1996). Edge exchanges in Hamiltonian decompositions of Kronecker-product graphs. *Comput. Math. Appl.*, 31:11–19.
- [Jha et al., 1997] Jha, P. K., Agnihotri, N., and Kumar, R. (1997). Long cycles and long paths in the Kronecker product of a cycle and a tree. *Discrete Appl. Math.*, 74:101–121.
- [Jha and Klavžar, 1998] Jha, P. K. and Klavžar, S. (1998). Independence in direct-product graphs. *Ars Combin.*, 50:53–63.
- [Jha and Slutzki, 1989] Jha, P. K. and Slutzki, G. (1989). An  $O(n^2 \log n)$  algorithm for recognizing median graphs. Technical Report 89-4, Department of Computer Science, Iowa State University.

- [Jha and Slutzki, 1992] Jha, P. K. and Slutzki, G. (1992). Convex-expansions algorithms for recognition and isometric embedding of median graphs. *Ars Combin.*, 34:75–92.
- [Jha and Slutzki, 1993] Jha, P. K. and Slutzki, G. (1993). A note on outerplanarity of product graphs. *Zastos. Mat.*, 21:537–544.
- [Jha and Slutzki, 1994] Jha, P. K. and Slutzki, G. (1994). Independence numbers of product graphs. *Appl. Math. Lett.*, 7(4):91–94.
- [Johnson et al., 1997] Johnson, A., Holroyd, F. C., and Stahl, S. (1997). Multichromatic numbers, star chromatic numbers and Kneser graphs. *J. Graph Theory*, 26:137–145.
- [Jónsson, 1982] Jónsson, B. (1982). Arithmetic of ordered sets. In Rival, I., editor, *Ordered sets (Banff, Alta., 1981)*, volume 83 of *NATO Adv. Study Inst. Ser. C: Math. Phys. Sci.*, pages 3–41. Reidel, Dordrecht.
- [Klavžar, 1992] Klavžar, S. (1992). Two remarks on retracts of graph products. *Discrete Math.*, 109:155–160.
- [Klavžar, 1993] Klavžar, S. (1993). Strong products of  $\chi$ -critical graphs. *Aequationes Math.*, 45:153–162.
- [Klavžar and Gutman, 1997] Klavžar, S. and Gutman, I. (1997). Wiener number of vertex-weighted graphs and a chemical application. *Discrete Appl. Math.*, 80:73–81.
- [Klavžar et al., 1995] Klavžar, S., Gutman, I., and Mohar, B. (1995). Labeling of benzenoid systems which reflects the vertex-distance relations. *J. Chem. Inf. Comp. Sci.*, 35:590–593.
- [Klavžar and Milutinović, 1994] Klavžar, S. and Milutinović, U. (1994). Strong products of Kneser graphs. *Discrete Math.*, 133:297–300.
- [Klavžar and Mulder, 1999] Klavžar, S. and Mulder, H. M. (1999). Median graphs: characterizations, location theory and related structures. *J. Combin. Math. Combin. Comp.*, 30:103–127.
- [Klavžar et al., 1998] Klavžar, S., Mulder, H. M., and Škrekovski, R. (1998). An Euler-type formula for median graphs. *Discrete Math.*, 187:255–258.
- [Klavžar and Seifter, 1995] Klavžar, S. and Seifter, N. (1995). Dominating Cartesian products of cycles. *Discrete Appl. Math.*, 59:129–136.
- [Klavžar and Škrekovski, 1996] Klavžar, S. and Škrekovski, R. (1996). On median graphs and median grid graphs. Preprint Ser. Univ. of Ljubljana 34 (1997) 523.
- [Klavžar and Zmazek, 1996] Klavžar, S. and Zmazek, B. (1996). On a Vizing-like conjecture for direct product graphs. *Discrete Math.*, 156:243–246.
- [Knauer, 1987] Knauer, U. (1987). Unretractive and **S**-unretractive joins and lexicographic products of graphs. *J. Graph Theory*, 11:429–440.
- [Kotzig, 1973] Kotzig, A. (1973). Every Cartesian product of two circuits is decomposable into two Hamiltonian circuits. Rapport 233, Centre de Recherches Mathématiques Montréal.
- [Kotzig, 1979] Kotzig, A. (1979). 1-factorizations of Cartesian products of regular graphs. *J. Graph Theory*, 3:23–34.

- [Kozen, 1978] Kozen, D. (1978). A clique problem equivalent to graph isomorphism. *SIGACT News*, 10:50–52.
- [Kriesell, 1997] Kriesell, M. (1997). A note on Hamiltonian cycles in lexicographical products. *J. Autom. Lang. Comb.*, 2:135–138.
- [Kuratowski, 1930] Kuratowski, K. (1930). Sur le problème des courbes gauches en topologie. *Fund. Math.*, 16:271–283.
- [Kříž, 1984] Kříž, I. (1984). A class of dimension-skipping graphs. *Combinatorica*, 4:317–319.
- [Křivka, 1981a] Křivka, P. (1981a). The dimension of odd cycles and cartesian cubes. In *Algebraic Methods in Graph Theory, Vol. I (Szeged, 1978)*, volume 25 of *Colloq. Math. Soc. János Bolyai*, pages 435–443. North-Holland, Amsterdam-New York.
- [Křivka, 1981b] Křivka, P. (1981b). Dimension of the sum of two copies of a graph. *Czechoslovak Math. J.*, 31:514–520.
- [Křivka, 1985] Křivka, P. (1985). Dimension of the sum of several copies of a graph. *Czechoslovak Math. J.*, 35:347–354.
- [Kwaśnik and Szelecka, 1997] Kwaśnik, M. and Szelecka, A. (1997). Strong perfectness of the generalized Cartesian product of graphs. *Discrete Math.*, 164:213–220.
- [Larose et al., 1998] Larose, B., Laviolette, F., and Tardif, C. (1998). On normal Cayley graphs and hom-idempotent graphs. *European J. Combin.*, 19:867–881.
- [Laskar and Hare, 1972] Laskar, R. and Hare, W. (1972). Chromatic numbers for certain graphs. *J. London Math. Soc.*, 4:489–492.
- [Levit and Măndrescu, 1998] Levit, V. E. and Măndrescu, E. (1998). On hereditary properties of composition graphs. *Discuss. Math. Graph Theory*, 18:183–195.
- [Limaye and Sarvate, 1997] Limaye, N. B. and Sarvate, D. G. (1997). On  $r$ -extendability of the hypercube  $Q_n$ . *Math. Bohemica*, 122:249–255.
- [Linial and Vazirani, 1989] Linial, N. and Vazirani, U. (1989). Graph products and chromatic numbers. In *Proc. 30th Ann. IEEE Symp. on Found. of Comp. Sci.*, pages 124–128. IEEE Comput. Soc. Press, Los Alamos.
- [Lint van and Wilson, 1992] Lint van, J. H. and Wilson, R. M. (1992). *A Course in Combinatorics*. Cambridge University Press, Cambridge.
- [Lovász, 1967] Lovász, L. (1967). Operations with structures. *Acta Math. Acad. Sci. Hungar.*, 18:321–328.
- [Lovász, 1971] Lovász, L. (1971). On the cancellation law among finite relational structures. *Period. Math. Hungar.*, 1:145–156.
- [Lovász, 1972] Lovász, L. (1972). Normal hypergraphs and the perfect graph conjecture. *Discrete Math.*, 2:253–267.
- [Lovász, 1978] Lovász, L. (1978). Kneser’s conjecture, chromatic number, and homotopy. *J. Combin. Theory Ser. A*, 25:319–324.

- [Lovász, 1979] Lovász, L. (1979). On the Shannon capacity of a graph. *IEEE Trans. Inform. Theory*, 25:1–7.
- [Lovász et al., 1980] Lovász, L., Nešetřil, J., and Pultr, A. (1980). On a product dimension of graphs. *J. Combin. Theory Ser. B*, 29:47–67.
- [Lovász and Plummer, 1986] Lovász, L. and Plummer, M. D. (1986). *Matching Theory*, volume 121 of *North-Holland Mathematics Studies*. North-Holland, Amsterdam.
- [Maamoun and Meyniel, 1987] Maamoun, M. and Meyniel, H. (1987). On a game of policemen and robber. *Discrete Appl. Math.*, 17:307–309.
- [Mahmoodian, 1981] Mahmoodian, E. S. (1981). On edge-colorability of Cartesian products of graphs. *Canad. Math. Bull.*, 24:107–108.
- [Mândrescu, 1991] Mândrescu, E. (1991). Strongly perfect products of graphs. *Czechoslovak Math. J.*, 41:368–372.
- [McAndrew, 1965] McAndrew, M. H. (1965). On graphs with transitive automorphism groups. *Amer. Math. Soc. Notices*, 12:575.
- [McConnell and Spinrad, 1999] McConnell, R. M. and Spinrad, J. P. (1999). Modular decomposition and transitive orientation. *Discrete Math.*, 201:189–241.
- [McEliece et al., 1978] McEliece, R. J., Rodemich, E. R., and Rumsey, H. C. (1978). The Lovász bound and some generalizations. *J. Combin. Inform. System Sci.*, 3:134–152.
- [McKenzie, 1971] McKenzie, R. (1971). Cardinal multiplication of structures with a reflexive relation. *Fund. Math.*, 70:59–101.
- [Meir and Moon, 1975] Meir, A. and Moon, J. W. (1975). Relations between packing and covering numbers of a tree. *Pacific J. Math.*, 61:225–233.
- [Mellendorf, 1997] Mellendorf, S. (1997). Hamilton decompositions of Cartesian products of multicycles. *J. Graph Theory*, 24:85–115.
- [Miklós, 1996] Miklós, D. (1996). On product of association schemes and Shannon capacity. *Discrete Math.*, 150:441–447.
- [Miller, 1968] Miller, D. J. (1968). The categorical product of graphs. *Canad. J. Math.*, 20:1511–1521.
- [Miller, 1970a] Miller, D. J. (1970a). Weak Cartesian product of graphs. *Colloquium Math.*, 21:55–74.
- [Miller, 1970b] Miller, D. J. (1970b). The automorphism group of a product of graphs. *Proc. Amer. Math. Soc.*, 25:24–28.
- [Moehring and Radermacher, 1984] Moehring, R. H. and Radermacher, F. J. (1984). Substitution decomposition for discrete structures and connections with combinatorial optimization. In *Algebraic and Combinatorial Methods in Operations Research*, volume 19 of *Ann. Discrete Math.*, pages 257–355.
- [Mohar, 1984] Mohar, B. (1984). On edge-colorability of products of graphs. *Publ. Inst. Math. (Beograd) (N.S.)*, 36:13–16.

- [Mohar and Pisanski, 1983] Mohar, B. and Pisanski, T. (1983). Edge-coloring of a family of regular graphs. *Publ. Inst. Math. (Beograd) (N.S.)*, 33:157–162.
- [Mohar and Pisanski, 1988] Mohar, B. and Pisanski, T. (1988). How to compute the Wiener index of a graph. *J. Math. Chem.*, 2:267–277.
- [Mohar et al., 1981] Mohar, B., Pisanski, T., and Shawe-Taylor, J. (1981). Edge-coloring of composite regular graphs. In *Finite and Infinite Sets, Vol. I, II (Eger, 1981)*, volume 25 of *Colloq. Math. Soc. János Bolyai*, pages 591–600. North-Holland, Amsterdam-New York.
- [Mohar et al., 1985] Mohar, B., Pisanski, T., Škoviera, M., and White, A. T. (1985). The Cartesian product of three triangles can be embedded into a surface of genus 7. *Discrete Math.*, 56:87–89.
- [Mohar et al., 1990] Mohar, B., Pisanski, T., and White, A. T. (1990). Embeddings of Cartesian products of nearly bipartite graphs. *J. Graph Theory*, 14:301–310.
- [Mulder, 1978] Mulder, H. M. (1978). The structure of median graphs. *Discrete Math.*, 24:197–204.
- [Mulder, 1980a] Mulder, H. M. (1980a). *The Interval Function of a Graph*. Mathematical Centre Tracts 132. Mathematisch Centrum, Amsterdam.
- [Mulder, 1980b] Mulder, H. M. (1980b).  $n$ -cubes and median graphs. *J. Graph Theory*, 4:107–110.
- [Mulder, 1990] Mulder, H. M. (1990). Triple convexities for graphs. *Rostock. Math. Kolloq.*, 39:35–52.
- [Munro, 1971] Munro, I. (1971). Efficient determination of the transitive closure of a directed graph. *Inform. Process. Lett.*, 1:56–58.
- [Nakayama and Hashimoto, 1950] Nakayama, T. and Hashimoto, J. (1950). On a problem of G. Birkhoff. *Proc. Amer. Math. Soc.*, 1:141–142.
- [Nash-Williams, 1961] Nash-Williams, C. St. J. A. (1961). Edge-disjoint spanning trees of finite graphs. *J. London Math. Soc.*, 36:445–450.
- [Nash-Williams, 1964] Nash-Williams, C. St. J. A. (1964). Decomposition of finite graphs into forests. *J. London Math. Soc.*, 39:12.
- [Nebeský, 1971] Nebeský, L. (1971). Median graphs. *Comment. Math. Univ. Carolin.*, 12:317–325.
- [Neufeld and Nowakowski, 1998] Neufeld, S. and Nowakowski, R. J. (1998). A game of cops and robbers played on products of graphs. *Discrete Math.*, 186:253–268.
- [Nešetřil, 1981] Nešetřil, J. (1981). Representations of graphs by means of products and their complexity. In *Mathematical Foundations of Computer Science 1981 (Proc. 10th Symp., Štrbske Pleso/Czech. 1981)*, volume 118 of *Lecture Notes Comput. Sci.*, pages 94–102. Springer, Berlin.
- [Nešetřil and Pultr, 1978] Nešetřil, J. and Pultr, A. (1978). On classes of relations and graphs determined by subobjects and factorobjects. *Discrete Math.*, 22:287–300.
- [Nešetřil and Rödl, 1978] Nešetřil, J. and Rödl, V. (1978). A simple proof of the Galvin-Ramsey property of the class of all finite graphs and a dimension of a graph. *Discrete Math.*, 23:49–55.
- [Nešetřil and Rödl, 1985] Nešetřil, J. and Rödl, V. (1985). Three remarks on dimensions of graphs. In *Random Graphs '83, Lect. 1st Semin., Poznan/Pol. 1983*, volume 28 of *Ann. Discrete Math.*, pages 199–207. North-Holland, Amsterdam.

- [Niemenen, 1987] Niemenen, J. (1987). Distance center and centroid of a median graph. *J. Franklin Inst.*, 323:89–94.
- [Niven et al., 1991] Niven, I., Zuckerman, H. S., and Montgomery, H. L. (1991). *An Introduction to the Theory of Numbers, Fifth edition*. Wiley, New York.
- [Nowakowski and Rival, 1983] Nowakowski, R. and Rival, I. (1983). The smallest graph variety containing all paths. *Discrete Math.*, 43:223–234.
- [Nowakowski and Rall, 1996] Nowakowski, R. J. and Rall, D. F. (1996). Associative graph products and their independence, domination and coloring numbers. *Discuss. Math. Graph Theory*, 16:53–79.
- [Nowakowski and Rival, 1988] Nowakowski, R. J. and Rival, I. (1988). Retract rigid Cartesian products of graphs. *Discrete Math.*, 70:169–184.
- [Nowitz and Watkins, 1972a] Nowitz, L. A. and Watkins, M. E. (1972a). Graphical regular representations of non-abelian groups, I. *Canad. J. Math.*, 24:993–1008.
- [Nowitz and Watkins, 1972b] Nowitz, L. A. and Watkins, M. E. (1972b). Graphical regular representations of non-abelian groups, II. *Canad. J. Math.*, 24:1009–1018.
- [Olaru et al., 1998] Olaru, E., Alexe, G., and Mândrescu, E. (1998). Strong perfectness of tensor graph product. *Rev. Roumaine Math. Pures Appl.*, 43:627–639.
- [Olaru and Mândrescu, 1986] Olaru, E. and Mândrescu, E. (1986). On stable transversals and strong perfectness of graph-join. *An. Univ. Galati Metal.*, 4:21–24.
- [Olaru and Mândrescu, 1992] Olaru, E. and Mândrescu, E. (1992).  $S$ -strongly perfect Cartesian product of graphs. *J. Graph Theory*, 16:297–303.
- [Parker, 1973] Parker, E. T. (1973). Edge coloring numbers of some regular graphs. *Proc. Amer. Math. Soc.*, 37:423–424.
- [Paulraja, 1993] Paulraja, P. (1993). A characterization of Hamiltonian prisms. *J. Graph Theory*, 17:161–171.
- [Payan and Xuong, 1982] Payan, C. and Xuong, N. H. (1982). Domination-balanced graphs. *J. Graph Theory*, 6:23–32.
- [Pesch, 1988] Pesch, E. (1988). *Retracts of Graphs*. Athenaeum Verlag, Frankfurt.
- [Pisanski, 1980] Pisanski, T. (1980). Genus of Cartesian products of regular bipartite graphs. *J. Graph Theory*, 4:41–51.
- [Pisanski et al., 1983] Pisanski, T., Shawe-Taylor, J., and Mohar, B. (1983). 1-factorization of the composition of regular graphs. *Publ. Inst. Math. (Beograd) (N.S.)*, 33:193–196.
- [Polat, 1995] Polat, N. (1995). Invariant graphs for a family of endomorphisms – a survey. In *Combinatorics and Graph Theory '95, Vol. 1 (Hefei)*, pages 313–331. World Science, River Edge, NJ.
- [Polat and Sabidussi, 1994] Polat, N. and Sabidussi, G. (1994). Fixed elements of infinite trees. *Discrete Math.*, 130:97–102.

- [Poljak, 1991] Poljak, S. (1991). Coloring digraphs by iterated antichains. *Comment. Math. Univ. Carolin.*, 32:209–212.
- [Poljak and Pultr, 1981] Poljak, S. and Pultr, A. (1981). Representing graphs by means of strong and weak products. *Comment. Math. Univ. Carolin.*, 22:449–466.
- [Poljak and Rödl, 1981] Poljak, S. and Rödl, V. (1981). On the arc-chromatic number of a digraph. *J. Combin. Theory Ser. B*, 31:190–198.
- [Poljak et al., 1983] Poljak, S., Rödl, V., and Pultr, A. (1983). On a product dimension of bipartite graphs. *J. Graph Theory*, 7:475–486.
- [Pultr, 1970] Pultr, A. (1970). Tensor products in the category of graphs. *Comment. Math. Univ. Carolin.*, 11:619–639.
- [Pultr, 1972] Pultr, A. (1972). Extending tensor products to structures of closed categories. *Comment. Math. Univ. Carolin.*, 13:599–616.
- [Quilliot, 1983] Quilliot, A. (1983). Homomorphismes, points fixes, rétractions et jeux de poursuite dans les graphes, les ensembles ordonnés et les espaces métriques. Thèse d’Etat, Université de Paris VI.
- [Quilliot, 1985a] Quilliot, A. (1985a). On the Helly property working as a compactness criterion on graphs. *J. Combin. Theory Ser. A*, 40:186–193.
- [Quilliot, 1985b] Quilliot, A. (1985b). A retraction problem in graph theory. *Discrete Math.*, 54:61–71.
- [Ramachandran and Parvathy, 1996] Ramachandran, S. and Parvathy, R. (1996). Pancyclicity and extendability in strong products. *J. Graph Theory*, 22:75–82.
- [Ravindra, 1978] Ravindra, G. (1978). Perfectness of normal products of graphs. *Discrete Math.*, 24:291–298.
- [Ravindra and Parthasarathy, 1977] Ravindra, G. and Parthasarathy, K. R. (1977). Perfect product graphs. *Discrete Math.*, 20:177–186.
- [Ringel, 1955] Ringel, G. (1955). Über drei kombinatorische Probleme am  $n$ -dimensionalen Würfel und Würfelgitter. *Abh. Math. Sem. Univ. Hamburg*, 20:10–19.
- [Robertson et al., 1993] Robertson, N., Seymour, P. D., and Thomas, R. (1993). Hadwiger’s conjecture for  $K_6$ -free graphs. *Combinatorica*, 13:279–361.
- [Romani, 1980] Romani, F. (1980). Shortest-path problem is not harder than matrix multiplication. *Inform. Process. Lett.*, 11:134–136.
- [Rosenfeld, 1967] Rosenfeld, M. (1967). On a problem of C. E. Shannon in graph theory. *Proc. Amer. Math. Soc.*, 18:315–319.
- [Roth and Winkler, 1986] Roth, R. L. and Winkler, P. M. (1986). Collapse of the metric hierarchy for bipartite graphs. *European J. Combin.*, 7:371–375.
- [Sabidussi, 1957] Sabidussi, G. (1957). Graphs with given group and given graph-theoretical properties. *Canad. J. Math.*, 9:515–525.

- [Sabidussi, 1958] Sabidussi, G. (1958). On a class of fixed-point-free graphs. *Proc. Amer. Math. Soc.*, 9:800–804.
- [Sabidussi, 1959] Sabidussi, G. (1959). The composition of graphs. *Duke Math. J.*, 26:693–696.
- [Sabidussi, 1960] Sabidussi, G. (1960). Graph multiplication. *Math. Z.*, 72:446–457.
- [Sabidussi, 1961] Sabidussi, G. (1961). Graph derivatives. *Math. Z.*, 76:385–401.
- [Sabidussi, 1964] Sabidussi, G. (1964). Vertex-transitive graphs. *Monatsh. Math.*, 68:426–438.
- [Sabidussi, 1975] Sabidussi, G. (1975). Subdirect representations of graphs. In *Infinite and Finite Sets (Colloq., Keszthely, 1973; dedicated to P. Erdős on his 60th birthday)*, Vol. III, volume 10 of *Colloq. Math. Soc. János Bolyai*, pages 1199–1226. North-Holland, Amsterdam.
- [Sauer and Zhu, 1992] Sauer, N. and Zhu, X. (1992). An approach to Hedetniemi’s conjecture. *J. Graph Theory*, 16:423–436.
- [Scheinerman and Ullman, 1997] Scheinerman, E. R. and Ullman, D. H. (1997). *Fractional Graph Theory*. Wiley, New York.
- [Schönberg, 1938] Schönberg, I. J. (1938). Metric spaces and positive definite functions. *Trans. Amer. Math. Soc.*, 44:522–536.
- [Schrijver, 1979] Schrijver, A. (1979). A comparison of the Delsarte and Lovász bounds. *IEEE Trans. Inform. Theory*, 25:425–429.
- [Seshu and Reed, 1961] Seshu, S. and Reed, M. B. (1961). *Linear Graphs and Electrical Networks*. Addison Wesley, Reading, MA.
- [Shannon, 1956] Shannon, C. E. (1956). The zero error capacity of a noisy channel. *IRE Trans. Inform. Theory*, 2:8–19.
- [Shearer and Watkins, 1987] Shearer, J. B. and Watkins, M. E. (1987). Counterexamples to two conjectures about distance sequences. *Discrete Math.*, 66:289–298.
- [Škrekovski, 1999] Škrekovski, R. (1999). Two relations for median graphs. Preprint Ser. Univ. of Ljubljana 37 (1999) 640.
- [Sonnenmann and Krafft, 1974] Sonnenmann, E. and Krafft, O. (1974). Independence numbers of product graphs. *J. Combin. Theory Ser. B*, 17:133–142.
- [Stahl, 1976] Stahl, S. (1976).  $n$ -tuple colorings and associated graphs. *J. Combin. Theory Ser. B*, 20:185–203.
- [Stong, 1991] Stong, R. (1991). Hamilton decompositions of Cartesian products of graphs. *Discrete Math.*, 90:169–190.
- [Szelecka and Włoch, 1996] Szelecka, A. and Włoch, A. (1996). A note on strong and co-strong perfectness of the  $X$ -join of graphs. *Discuss. Math. Graph Theory*, 16:151–155.
- [Tardif, 1996] Tardif, C. (1996). On compact median graphs. *J. Graph Theory*, 23:325–336.
- [Tardif, 1997] Tardif, C. (1997). A fixed box theorem for the Cartesian product of graphs and metric spaces. *Discrete Math.*, 171:237–248.

- [Thomason, 1989] Thomason, A. (1989). A disproof of a conjecture of Erdős in Ramsey theory. *J. London Math. Soc.*, 39:246–255.
- [Tits, 1970] Tits, J. (1970). Sur le groupe des automorphismes d'un arbre. In *Essays on Topology and Related Topics (Memoires dedies a Georges de Rham)*, pages 188–211. Springer, New-York.
- [Tošić, 1986] Tošić, R. (1986). Search number of the Cartesian product of graphs. *Zb. Rad., Prir.-Mat. Fak., Univ. Novom Sadu, Ser. Mat.*, 16:239–243.
- [Trnková, 1976] Trnková, V. (1976). On products of binary relational structures. *Comment. Math. Univ. Carolin.*, 17:513–521.
- [Trnková, 1984] Trnková, V. (1984). Isomorphisms of products of infinite connected graphs. *Comment. Math. Univ. Carolin.*, 25:303–317.
- [Trnková, 1990] Trnková, V. (1990). Products of metric, uniform and topological spaces. *Comment. Math. Univ. Carolin.*, 31:167–180.
- [Trnková and Koubek, 1978] Trnková, V. and Koubek, V. (1978). Isomorphisms of products of infinite graphs. *Comment. Math. Univ. Carolin.*, 19:639–652.
- [Trofimov, 1985] Trofimov, V. I. (1985). Graphs with polynomial growth. *Math. USSR Sbornik*, 51:405–417.
- [Truszczynski, 1983] Truszczynski, M. (1983). On a conjecture of Mohar and Pisanski. *Demonstratio Math.*, 16:755–759.
- [Tutte, 1961] Tutte, W. T. (1961). On the problem of decomposing a graph into  $n$  connected factors. *J. London Math. Soc.*, 36:221–230.
- [Vesel, 1998] Vesel, A. (1998). The independence number of the strong product of cycles. *Comput. Math. Appl.*, 36:9–21.
- [Vesztergombi, 1978] Vesztergombi, K. (1978). Some remarks on the chromatic number of the strong product of graphs. *Acta Cybernet.*, 4:207–212.
- [Vince, 1988] Vince, A. (1988). Star chromatic number. *J. Graph Theory*, 12:551–559.
- [Vizing, 1963] Vizing, V. G. (1963). The Cartesian product of graphs (Russian). *Vyčisl. Sistemy*, 9:30–43. English translation in *Comp. El. Syst.* 2 (1966) 352–365.
- [Vizing, 1968] Vizing, V. G. (1968). Some unsolved problems in graph theory. *Russ. Math. Surv.*, 23:125–141.
- [Wagner, 1936] Wagner, K. (1936). Bemerkungen zum Vierfarbenproblem. *Jber. Deutsch. Math. Verein.*, 46:21–22.
- [Wallis, 1997] Wallis, W. D. (1997). *One-factorizations*. Kluwer, Dordrecht.
- [Wallis and Wang, 1985] Wallis, W. D. and Wang, Z. J. (1985). On one-factorizations of Cartesian products. *Congr. Numer.*, 49:237–245.
- [Wallis and Wang, 1987] Wallis, W. D. and Wang, Z. J. (1987). Some further results on one-factorizations of Cartesian products. *J. Combin. Math. Combin. Comput.*, 1:221–234.

- [Weichsel, 1962] Weichsel, P. M. (1962). The Kronecker product of graphs. *Proc. Amer. Math. Soc.*, 13:47–52.
- [Weltz, 1984] Weltz, E. (1984). Symmetric graphs and interpretations. *J. Combin. Theory Ser. B*, 37:235–244.
- [de Werra and Hertz, 1999] de Werra, D. and Hertz, A. (1999). On perfectness of sums of graphs. *Discrete Math.*, 195:93–101.
- [West and Saks, 1982] West, D. B. and Saks, M. (1982). Problem no. 10, in research problems (B. Alspach, ed.). *Discrete Math.*, 38:126.
- [White, 1970] White, A. T. (1970). The genus of repeated Cartesian products of bipartite graphs. *Trans. Amer. Math. Soc.*, 151:393–404.
- [Whitehead and Russell, 1912] Whitehead, A. N. and Russell, B. (1912). *Principia Mathematica*, volume 2. Cambridge University Press, Cambridge.
- [Wiener, 1947] Wiener, H. (1947). Structural determination of paraffin boiling points. *J. Amer. Chem. Soc.*, 69:17–20.
- [Wilkeit, 1986] Wilkeit, E. (1986). Isometrische Untergraphen von Hamming-Graphen. Ph.D. thesis, Universität Oldenburg.
- [Wilkeit, 1990] Wilkeit, E. (1990). Isometric embeddings in Hamming graphs. *J. Combin. Theory Ser. B*, 50:179–197.
- [Wilkeit, 1992] Wilkeit, E. (1992). The retracts of Hamming graphs. *Discrete Math.*, 102:197–218.
- [Winkler, 1983] Winkler, P. M. (1983). Proof of the squashed cube conjecture. *Combinatorica*, 3:135–139.
- [Winkler, 1984] Winkler, P. M. (1984). Isometric embedding in products of complete graphs. *Discrete Appl. Math.*, 7:221–225.
- [Winkler, 1987] Winkler, P. M. (1987). Factoring a graph in polynomial time. *European J. Combin.*, 8:209–212.
- [Zhou, 1991a] Zhou, H. (1991a). Multiplicativity. I. Variations, multiplicative graphs, and digraphs. *J. Graph Theory*, 15:469–488.
- [Zhou, 1991b] Zhou, H. (1991b). Multiplicativity. II. Nonmultiplicative digraphs and characterization of oriented paths. *J. Graph Theory*, 15:489–509.
- [Zhou and Zhu, 1997] Zhou, H. and Zhu, X. (1997). Multiplicativity of acyclic local tournaments. *Combinatorica*, 17:135–145.
- [Zhou, 1989] Zhou, M. (1989). Decomposition of some product graphs into 1-factors and Hamiltonian cycles. *Ars Combin.*, 28:258–268.
- [Zhu, 1992a] Zhu, X. (1992a). A simple proof of the multiplicativity of directed cycles of prime power length. *Discrete Appl. Math.*, 36:313–316.
- [Zhu, 1992b] Zhu, X. (1992b). Star chromatic numbers and products of graphs. *J. Graph Theory*, 16:557–569.

- [Zhu, 1996] Zhu, X. (1996). On the bounds for the ultimate independence ratio of a graph. *Discrete Math.*, 156:229–236.
- [Zhu, 1998] Zhu, X. (1998). A survey on Hedetniemi’s conjecture. *Taiwanese J. Math.*, 2:1–24.
- [Zhu, 1999a] Zhu, X. (1999a). Circular chromatic number: a survey. To appear in *Discrete Math.*
- [Zhu, 1999b] Zhu, X. (1999b). Construction of uniquely  $H$ -colorable graphs. *J. Graph Theory*, 30:1–6.