

BIBLIOGRAPHY

- Beineke, L.W., Zamfirescu, C.M., Connection digraphs and second order line graphs, Disc Math 39 (1982), 237-254.
- Benzaken, C., Hammer, P.L., and deWerra, D., Split graphs of dilworth number 2, Disc Math 55 (1985), 123-127.
- Benzer, S., On the topology of genetic fine structure, Proc.Nat.Acad.Sci. USA 45 (1959), 1607-1620.
- Booth, K. and Lueker, G., Linear algorithms to recognize interval graphs and test for the consecutive ones property, Proc. Seventh ACM Symp Theory of computing May, 1975, 255-265.
- Booth, K. and Lueker, G., Testing for the consecutive ones property, interval graphs and graph planarity using PQ-tree algorithms, J. comput. sys. sci. 13 (1976), 335-379.
- Bouchet, A., Etude des ordonn'es finis - applications. Thesis d'Etat, Grenoble, 1971.
- Bouchet, A., Codages et dimensions de relations binaires, in Orders : Description et Roles (Proc. Lyon 1982, M.Pouzet ed.): Ann. Disc. Math. (1984) 387-396
- Buckingham, M., Circle graphs, Courant computer science report no. 21 New York University (1980).
- Chavátal, V. and Hammer, P., Aggregation of inequalities in integer programming, Ann. Disc.Math. 1 (1977) 145-162
- Cogis, O., A characterization of digraphs with Ferrers dimension 2, Raport de Recherche, No.19, GR, CNRS, No. 22. Paris, (1979).
- Cogis, O., Ferrers digraphs and Threshold graphs, Disc. Math. 38 (1982), 33-46.
- Cogis, O., On the Ferrers dimension of a digraph, Disc. Math. 38 (1982) 47-52
- Cohen, J.E., Interval graphs and food webs : A finding and a problem. Rand document 17696- PR, 30 August (1968).

- Cohen, J.E., Food webs and Niche space. Princeton University Press, Princeton, N.J. (1978).
- Cohen, J.e., Komlós, J. and Mueller, T., The Probability of an interval graph, and why it matters, Proc. Symp. on relations between combinatorics, Pure Mathematics, vol. 34 (1979), 97-115.
- Cook, S.A., The complexity of theorem - proving procedures, Proc. 3rd Ann. ACM Symp. Theory of computing machinery, NY (1971) 151-158
- Coombs, C., and Smith, J., On the detection of structures in attitudes and developmental processes, Psych. Rev. 30 (1973), 337-351.
- Cozzens, M.B., Higher and multi-dimensional analogues of interval graphs, Ph.D dissertation, Rutgers University (1981).
- Cozzens, M.B., and Roberts, F.S., Multi-dimensional intersection graphs : cubicity, circular dimension, overlap dimension, preprint, 1982.
- Cozzens, M.B. and Roberts, F.S., Computing the boxicity of a graph by covering its complement by cointerval graphs, Disc. Appl. Math. 6(1983) 217-218.
- Cozzens, M.B. and Roberts, F.S., On dimensional properties of graphs, Graphs and combinatorics 5 (1989) 29-46
- Dirac, G.A., On rigid circular graphs, Abb. Math. Sem. Univ. Humbert 25, (1961) 71-76.
- Discrete Mathematics, 55 (1985), No 2
- Doignon, J.P., Ducamp, A., and Falmagne, J.C., On realizable biorders and the biorder dimension of a relation, J. Math. Psych. 28 (1984), 73-109.
- Ducamp, A., and Falmagne, J.C., Composite measurement, J. Math. Psychol. 6 (1969), 359-390.
- Dushnik, B. and Miller, E.W., Partially ordered sets, Amer. J. Math. 63 (1941), 600-610.
- Erdős, P., Goodman, A., and Pósa, L., The representation of a graph by set intersections, Canad. J. Math. 18 (1966), 106-112.

- Erdős, P., and West, D.B., A note on the interval number of a graph, Disc. Math. 55 (1985), 129-133.
- Evan, S. and Itai, A., Queues, stocks and graphs, Theory of machines and computations (Z. Kohavi and A. Paz, eds.), Academic Press, NY (1971), 71-86.
- Feinberg, R.B., The circular dimension of a graph. Disc. Math. 25 (1979), 27-31.
- Fishburn, P.C., Intransitive indifference with unequal indifference interval, J. Math. Psych. 7 (1970), 144-149.
- Fishburn, P.C., On the sphericity and cubicity of graphs, J. Comb. Th. (B) 35 (1983), 309-318.
- Fishburn, P.C., Numbers of lengths for representations of interval orders, Progress in combinatorial optimization (W.R. Pulleyblank, eds.), Academic Press, NY, (1984) 131-146.
- Fishburn, P.C., Interval orders and interval graphs. John Wiley and sons, NY, (1985a).
- Fishburn, P.C., Interval graphs and interval orders, Disc. Math. 55 (1985b), 135-149.
- Fishburn, P.C., and Graham, R.L., Classes of interval graphs under expanding length restrictions. J. Graph Theory 9 (1985), no.4, 459-472.
- Fournier, J.C., Une caractérisation des graphes de cordes, C.R. Acad. Sci. Paris, 286A (1978), 811-813.
- Fulkerson, D.R., and Gross, O.A., Incidence matrices and interval graphs, Pacific. J. Math. 15 (1965), 835-855.
- Gabai, H., Bounds for the boxicity of a graph, mimeo, York college, City Univ., NY, 1974.
- Galacia, J., Intersection graphs of some families of plane curves, Ph.D dissertation, Univ. Waterloo, Ontario, 1980.
- Garey, M.R., and Johnson, D.S., Computers and intractability: A guide to the theory of NP-completeness. Freeman, San Francisco, California (1978)

- Gavril, F., Algorithms for minimum coloring, maximum clique, minimum covering by cliques and maximum independent set of a chordal graph, SIAM J. Comput. 1 (1972), 180-187.
- Gavril, F., Algorithms for a maximum clique and maximum independent set of a circle graph, Networks 4 (1973), 261-273.
- Gavril, F., The intersection graphs of subtrees in trees are exactly the chordal graphs, J. Combin. Theory B 16 (1974), 47-56.
- Gavril, F., Algorithms on circular-arc graphs, Networks 4 (1974a), 357-369.
- Gavril, F., A recognition algorithm for the intersection graphs of directed paths in directed trees, Disc. Math. 13 (1975), 237-249.
- Gavril, F., Some NF-complete problems on graphs, Proc. 11th conf. on information sciences and systems, John Hopkins Univ., Baltimore, Md. (1977), 91-95.
- Gavril, F., A recognition algorithm for the intersection graphs of paths in trees, Disc. Math. 23 (1978), 211-227.
- Ghouila, Houria, A., Characterization des graphes nonorientés 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.
- Gilbert, E.N., Unpublished technical memorandum, Bell Telephone Laboratories, Murray Hill, N.J. (1972).
- Gilmore, P.C. and Hoffman, A.J., A characterization of comparability graphs and of interval graphs, Canad. J. Math. 16 (1964), 539-548.
- Golumbic, M.C., Algorithmic Graph Theory and Perfect Graphs, Academic Press NY, 1980.
- Golumbic, M.C., Containment graphs and intersection graphs, IBM Israel Scientific Center, Technical Report 135 (1984), Presented at the NATO advanced study institute on ordered sets, Banff, Canada (May, 1984)
- Golumbic, M.C., Interval graphs and related topics, Disc. Math. 55 (1985) 113-121.

- Golumbic, M.C., and Monma, C.L., A generalization of interval graphs with Tolerances, Proc. 13th southeastern conf. on combinatorics, Graph Theory and Computing, Congress, Numer. 35 (Utilities Math. Winnipeg, Canada), (1982) 321-331.
- Golumbic, M.C., Monma, C.L., and Trotter Jr., W.T., Tolerance graphs, Disc. Appl. Math. 9 (1984) 157-170
- Golumbic, M.C. and Jamison, R.E., The edge intersection graphs of paths in a tree, J. Combin. Th. B 38 (1985a) 8-22.
- Golumbic, M.C. and Jamison, R.E., Edge and vertex intersection of paths in a tree, Disc. Math. 55 (1985b) 151-159.
- Golumbic, M.C. and Hammer, P.L., Stability in circular-arc graphs, J. Algorithms 9 (1988) 314-320
- Griggs, J.R., Extremal values of the interval number of a graph, II, Disc. Math. 28 (1979), 37-47.
- Griggs, J.R. and West, D.B., Extremal values of the interval number of a graph, Siam J. Alg. and Disc. Methods Vol. I (1980), 1-7.
- Guttman, L., A basis for scaling qualitative data, Amer. Social Rev. 9 (1944), 139-150.
- Hadwiger, H., Debrunner, H., and Klee, V., Combinatorial geometry in the plane. Holt, Rinehart and Winston, NY (1964)
- Hajos, G., Über eine art von graphen, Internat. Math. Nachr. 2 (1957), 65
- Halin, P., Some remarks on interval graphs, Combinatorica 2 (1982) 297-304
- Hanlon, P., Counting interval graphs, J. London Math. Soc., Trans. Amer. Math. Soc., 272 (1982) 383-426.
- Harary, F., Graph Theory. Addison Wesley, Reading, Mass., 1969.
- Harary, F., and Kabell, J.A., An intuitive approach to interval numbers of graphs, Math. Mag. 53 (1980), 39-44.

- Harary, F. and McMorris, F.R., Graphs and bigraphs with interval and cointerval properties, Eighteenth SE conf. on combinatorics, graph theory and computing (Boca, Raton, Fla., 1987) Congr. Numer. 59 (1987) 101-106
- Havel, T., and Kuntz, I.D., The combinatorial distance geometry approach to the calculation of macromolecular conformation, mimeo, Group in medical physics and biophysics, Univ. Calif., Berkeley, Calif., (1980).
- Havel, T.F., The combinatorial distance geometry approach to the calculation of molecular conformation, Ph.D Thesis, Univ. Calif. Berkeley, (1982).
- Hopkins, L. and Trotter, W.T., A bound on the interval number of a complete multi-partite graph, Theory and applications of graphs. (Chartrand et.al. eds.), Wiley, (1981), 391-407.
- Hopkins, L., Trotter, W.T., and West, D.B., The interval number of a complete multipartite graph, Disc. Appl. Math. 8 (1984). 163-187
- Hubert, L., Some applications of graph theory and related non-metric techniques to Problems of approximate seriation: The case of symmetry Proximity measures, Brit. J. Math. Stat. Psych. 27 (1974), 133-153.
- Kabell, J.A., Intersection graphs : Structure and invariants, doctoral dissertation, Dept. of Math., Univ. of Michigan, Ann Arbor, Mich., 1980.
- Karp, R., Reducibility among combinatorial problems, in Complexity of computer computations (R.E. Miller and J.W. Thatcher eds.) Plenum Press, NY (1972) 85-103
- Kendall, D.G., A statistical approach to flinder petrie's sequence dating, Bull. Int. Statist. Inst. 40 (1963) 657-680.
- Kendall, D.G., Incidence matrices, interval graphs and seriation in archaeology, Pac. J. Math. 28 (1969a); 565-570.
- Kendall, D.G., Some problems and methods in statistical archeology, World Archaeology. 1 (1969b), 68-76.

- Kendall, D.G., Abundance matrices and seriation in archaeology, Zschr. Wahrschein. 17 (1971a) 104-112.
- Kendall, D.G., A mathematical approach to seriation, Phil. Trans. Roy. Soc. A. 269 (1971b) 125-135.
- Kendall, D.G., Seriation from abundance matrices in F.R. Hodson et.al. eds., Mathematics in the archaeological and historical sciences. Edinburgh Univ. Press, Edinburgh, (1971c).
- Klavzar, S. and Petkovšek, M., Intersection graphs of halflines and halfplanes, Disc. Math. 66 (1987) 133-137
- Klee, V., What are the intersection graphs of arcs in a circle?, Amer. Math. Monthly 76 (1969), 810-813.
- Lebowitz, R., Interval counts and threshold graphs., Ph.D dissertation, Rutgers Univ., New Brunswickm NJ., (1978).
- Lekkerkerker, C.G. and Boland, J.C., Representation of a finite graph by a set of intervals on the real line. Fund. Math. 51 (1962) 45-64.
- Lobb, W.A., Perfect graphs from paths in trees, presented at the 11th symp. on Math. Prog. Bonn, Aug. 1982
- Luce, R.D., Semiorders and a theory of utility discrimination Econometrica 24 (1956) 178-191.
- Luce, R.D., Periodic extensive measurement, Compositio. Math. 23 (1971) 189-198
- Lueker, G.S., Interval graph algorithms, Ph.D Thesis, Princeton Univ., 1975
- Maehara, H., On time graphs, Disc. Math. 32 (1980) 281-289
- Maehara, H., A digraph represented by a family of boxes or spheres, J. Graph Theory 8 (1984a) 431-439
- Maehara, H., Space graphs and sphericity, Disc. Math. 7 (1984b) 55-64
- Marczewski, E., Sur deux proprietes des classes d'ensembles, Fund. Math. 33 (1945) 303-307

- Mathews, T.M. and Trotter, W.T., The interval number of the complete multipartite graph, 2nd annual se SIAM meeting, (1978)
- Mirkin, B.G., Description of some relations on the set of real line interval, J. Math. Psych. 9 (1972) 243-252
- Mirkin, B.G. and Rodin, S.N., Graphs and Genes Springer-verlag, NY (1984)
- Möhring, R.H., Algorithmic aspects of comparability graphs and interval graphs, Graphs and order. The role of graphs in the theory of ordered sets and its application (I. Rival ed.) NATO ASI series (1985) 41-101
- Monjardet, B., Axiomatiques et proprietes des quasi orders, Math. Sci. Hum. 16 (1978) 51-82
- Monma, C.L., and Wei, V.K., Intersection graphs of paths in a tree, J. Comb. Th. B 41 (1986) 141-181
- Opsut, R.J., and Roberts, F.S., On the fleet maintenance, mobile radio frequency, task assignment and traffic phasing problems, Proc. 4th int. conf. on the theory and applications of graphs. Wiley, NY (1980)
- Pennotti, R.J., Channel assignment in mobile radio telecommunication systems, Ph.D Thesis, Polytechnic institute of NY (1976)
- Prisner, E., A characterization of interval catch digraphs, Disc. Math. 73 (1989) 285-289
- Renz, P.L., Intersection representation of graphs by arcs, Pacific J. Math. 34 (1970) 501-510
- Riguet, J., Les relation des Ferrers, C.R. Acad. Sci. Paris 232 (1951) 1729-1730
- Roberts, F.S., Representations of indifference relations, Ph.D Thesis, Standford Univ., (1968)
- Roberts, F.S., Indifference graphs, Proof techniques in graph theory (F. Harary, ed.), Academic press, NY (1969a) 139-146

- Roberts, F.S., On the boxicity and cubicity of a graph, Recent progress in combinatorics (W.T. Tutte, ed.), Academic Press NY (1969b) 301-310
- Roberts, F.S., Discrete Mathematical models, Prentice Hall, Englewood cliffs, NJ (1976)
- Roberts, F.S., Food webs, competition graphs, and the boxicity of ecological phase space, (Y. Alavi and D. Lick eds.), Theory and applications of graphs Springer-verlag, NY (1978a) 477-490
- Roberts, F.S., Graph theory and its applications to problems of society, NSF-CBMS monograph # 29, SIAM Publ. Philadelphia, (1978b)
- Roberts, F.S., Indifference and seriation, Advances in graph theory (F. Harary eds.), Proc. NY Acad. Sci. 999 (1979a)
- Roberts, F.S., Measurement theory, with applications to decision making, utility, and the social sciences, Addison-Wesley, Reading Mass (1979b)
- Roberts, F.S., On the mobile frequency assignment problem and the traffic light phasing problem, Ann. NY. Acad. Sci. 319 (1979c) 446-483
- Roychoudhuri, A., On powers of interval and unit interval graphs, Eighteenth SE Int. Conf. on combinatorics, Graph Theory and Computing (Boca Raton, Fla., 1987) Congr. Numer. 59 (1987) 235-242
- Ryser, H.J., Combinatorial configurations, SIAM J Appl. Math 17 (1969) 593-602
- Sen, M., Some problems on boolean algebra, Ph.D Thesis, Jadavpur Univ., (1984)
- Scheinerman, E.R. and West, D.B., The interval number of a planar graph : Three interval suffice, J. Comb. Th. B 35 (1983) 224-239
- Scheinerman, E.R., Intersection graphs and multiple intersection parameters, Ph.D Thesis, Princeton Univ. (1984)
- Scheinerman, E.R., Characterizing intersection classes of graphs, Disc. Math. 55 (1985a) 185-193

- Scheinerman, E.R., Irrepresentability by multiple intersection, or why the interval number is unbounded, Disc. Math. 55 (1985b) 195-211
- Scheinerman, E.R., Random interval graphs, Combinatorica 8 (1988) 357-371
- Scheinerman, E.R., On the interval number of random graphs, Disc. Math. 82 (1990) 105-109
- Scott, D. and Suppes, P., Foundational aspects of theories of measurement, J. Symbolic logic. 23 (1958) 113-128
- Shearer, J.B., A note on circular dimension, Disc. Math. 29 (1980) 103
- Skrein, D., Interval graphs, Chronological orderings and related matters, Doctoral dissertation, Univ. Washington (1980)
- Skrien, D., Interval line graphs, Disc. Math. 51 (1984) 317-318
- Skrien, D. and Gimble, J., Homogeneously representable interval graphs, Disc. Math. 55 (1985) 213-216
- Smadici, C., Some characteristic properties of interval graphs, An. Stiint. Univ. "Al.I. Cuza" Iasi. sect. I.a Mat (N.S) 33 (1987) 289-297
- Stahl, F.W., Circular genetic maps, J. Cell Physiol. 70 (1967) 1-12
- Stoffers, K.E., Scheduling of traffic lights - a new approach, Transport. Res. 2 (1968) 199-234
- Syslo, M.M., On characterizations of cycle graphs and on other families of intersection graphs, Report. NR. N-40 Institute of computer science, Univ. Wroclaw, poland, (1978)
- Syslo, M.M., Triangulated edge intersection graphs of paths in a tree, Disc. Math. 55 (1985), 217-220
- Tarjan, R.E., Decomposition by clique separators, Disc. Math. 55 (1985) 221-232

- Teng, A., and Tucker, A.C., An $O(qn)$ algorithm to q -color a proper family of circular arcs, Disc. Math. 55 (1985) 233-243
- Thomas, A., On the interval number of a triangulated graph, J. Graph Th. 11(1987) 273-280
- Thomassen, C., Interval representation of planar graphs, J. Comb. Th. B 40 (1986) 9-20
- Trotter, Jr. W.T., A characterization of Roberts' inequality for boxicity, Disc. Math. 28 (1979) 303-314
- Trotter, Jr. W.T., Interval graphs, interval orders and their generalizations, Appl. Disc. Math. (Clemson, S.C) (1986) 45-58, SIAM, Philadelphia. PA, 1986
- Trotter, W. and Moore, J., Characterization problems for graphs, partially ordered sets, lattices and families sets, Disc. Math. 16 (1976) 362-381
- Trotter, Jr. W.T and Harary, F., On double and multiple interval graphs, J. Graph Th. 3 (1979) 205-211
- Tucker, A.C., Characterizing circular-arc graphs, Bull. Amer. Math. Soc. 76 (1970) 1257-1260
- Tucker, A.C., Matrix characterizations of circular-arc graphs, Pacific. J. Math 39 (1971) 535-545
- Tucker, A.C., A structure theorem for the consecutive 1's property, J. Comb. Th. B 12 (1972) 153-162
- Tucker, A.C., Structure theorem for some circular-arc graphs, Disc. Math 7 (1974) 167-195
- Tucker, A.C., Coloring a family of circular-arc graphs, SIAM J. Appl. Math. 29 (1975) 493-502
- Tucker, A.C., Circular-arc graphs : New uses and a new algorithm, Theory and application of graphs, Lecture notes in Math. 642 (Springer-verlag, 1978) 580-589
- Tucker, A.C., An algorithm for circular-arc graphs, SIAM J. Computing. (1979)
- Tucker, A.C., An efficient test for circular-arc graphs, SIAM J. Comput. 9 (1980) 1-24

Venimadhavan, C.F., and Srineevasha, K., Structure of clique hypergraphs of chordal graphs and subclasses, preprint, 1988

Wegner, G., eigenschaften der nerven homologische einfacher familien in R^n , Ph.D thesis Gottingen (1967)

West, D.B., Parameters of partial orders and graphs : packing, covering and representation, Graphs and order (I.Rival eds.), Reidel, (1985) 267-350

Wittenshausen, H.S., On intersections of interval graphs, Disc. Math. 31 (1980) 211-216

Yannakakis, M., The complexity of the partial order dimension problem, SIAM J. Alg. Disc. Method 3 (1982) 351-358

UNIVERSITY OF
MICHIGAN LIBRARY
ANN ARBOR, MICHIGAN