
Bibliography

- [1] J. Anderson and N. Kimura, The tensor product of semilattices, *Semigroup Forum* **16** (1968), 83–88.
- [2] A. Arber, *The Mind and the Eye, A Study of the Biologist's Standpoint*, Cambridge University Press, London, 1954.
- [3] V. A. Baranskii, On the independence of the automorphism group and the congruence lattice for lattices, Abstracts of lectures of the 15th All-Soviet Algebraic Conference, Krasnojarsk, vol. 1, 11, July 1979.
- [4] ———, Independence of lattices of congruences and groups of automorphisms of lattices (Russian), *Izv. Vyssh. Uchebn. Zaved. Mat.* 1984, no. 12, 12–17, 76. English translation: Soviet Math. (Iz. VUZ) **28** (1984), no. 12, 12–19.
- [5] J. Berman, On the length of the congruence lattice of a lattice, *Algebra Universalis* **2** (1972), 18–19.
- [6] G. Birkhoff, *Universal Algebra*, Proc. First Canadian Math. Congress, Montreal, 1945. University of Toronto Press, Toronto, 1946, 310–326.
- [7] ———, On groups of automorphisms, (Spanish) *Rev. Un. Math. Argentina* **11** (1946), 155–157.
- [8] G. Birkhoff, *Lattice Theory*. Third edition. American Mathematical Society Colloquium Publications, vol. XXV. American Mathematical Society, Providence, RI, 1967. vi+418 pp.
- [9] K. P. Bogart, R. Freese, and J. P. S. Kung (editors), *The Dilworth Theorems. Selected papers of Robert P. Dilworth*, Birkhäuser Boston, Inc., Boston, MA, 1990. xxvi+465 pp. ISBN: 0-8176-3434-7
- [10] P. Crawley and R. P. Dilworth, *Algebraic Theory of Lattices*. Prentice-Hall, Englewood Cliffs, NJ, 1973. vi+201 pp. ISBN: 0-13-022269-0

- [11] B. A. Davey and H. A. Priestley, *Introduction to Lattices and Order*, Second Edition, Cambridge University Press, NY, 2002. xii+298 pp. ISBN: 0-521-78451-4
- [12] R. P. Dilworth, The structure of relatively complemented lattices, *Ann. of Math.* (2) **51** (1950), 348–359.
- [13] H. Dobbertin, Vaught measures and their applications in lattice theory, *J. Pure Appl. Algebra* **43** (1986), 27–51.
- [14] G. A. Fraser, The semilattice tensor product of distributive semilattices, *Trans. Amer. Math. Soc.* **217** (1976), 183–194.
- [15] R. Freese, Congruence lattices of finitely generated modular lattices, Proceedings of the Ulm Lattice Theory Conference, pp. 62–70, Ulm, 1975.
- [16] ———, Computing congruence lattices of finite lattices, *Proc. Amer. Math. Soc.* (1997) **125**, 3457–3463.
- [17] R. Freese, G. Grätzer, and E. T. Schmidt, On complete congruence lattices of complete modular lattices, *Internat. J. Algebra Comput.* **1** (1991), 147–160.
- [18] R. Freese, J. Ježek, and J.B. Nation, *Free lattices*, Mathematical Surveys and Monographs, vol. 42, American Mathematical Society, Providence, RI, 1995. viii+293 pp.
- [19] R. Frucht, Herstellung von Graphen mit vorgegebener abstrakter Gruppe, *Compos. Math.* **6** (1938), 239–250.
- [20] ———, Lattices with a given group of automorphisms, *Canad. J. Math.* **2** (1950), 417–419.
- [21] N. Funayama and T. Nakayama, On the congruence relations on lattices, *Proc. Imp. Acad. Tokyo* **18** (1942), 530–531.
- [22] G. Grätzer, *Universal Algebra*, The University Series in Higher Mathematics, D. van Nostrand Co. Inc., Princeton, N.J., Toronto, Ont., London, 1968. xvi+368 pp.
- [23] G. Grätzer, *Lattice Theory. First Concepts and Distributive Lattices*, W. H. Freeman and Co., San Francisco, Calif., 1971. xv+212 pp.
- [24] G. Grätzer, *General Lattice Theory*, Pure and Applied Mathematics, vol. 75, Academic Press, Inc. (Harcourt Brace Jovanovich, Publishers), New York-London; Lehrbücher und Monographien aus dem Gebiete der Exakten Wissenschaften, Mathematische Reihe, Band 52. Birkhäuser

- Verlag, Basel-Stuttgart; Akademie Verlag, Berlin, 1978. xiii+381 pp. ISBN: 0-12-295750-4
 (Russian translation: *Obshchaya teoriya reshetok*, translated from the English by A. D. Bol'bot, V. A. Gorbunov, and V. I. Tumanov. Translation edited and with a preface by D. M. Smirnov. "Mir", Moscow, 1982. 454 pp.)
- [25] G. Grätzer, *Universal Algebra, second edition*, Springer-Verlag, New York–Heidelberg, 1979. xviii+581 pp. ISBN: 3-7643-5239-6
- [26] G. Grätzer, *General Lattice Theory, second edition*, new appendices by the author with B. A. Davey, R. Freese, B. Ganter, M. Greferath, P. Jipsen, H. A. Priestley, H. Rose, E. T. Schmidt, S. E. Schmidt, F. Wehrung, and R. Wille. Birkhäuser Verlag, Basel, 1998. xx+663 pp. ISBN: 0-12-295750-4; ISBN: 3-7643-5239-6
Softcover edition, Birkhäuser Verlag, Basel–Boston–Berlin, 2003. ISBN: 3-7643-6996-5
- [27] G. Grätzer, On the complete congruence lattice of a complete lattice with an application to universal algebra, *C. R. Math. Rep. Acad. Sci. Canada* **11** (1989), 105–108.
- [28] ———, The complete congruence lattice of a complete lattice, Lattices, semigroups, and universal algebra. Proceedings of the International Conference held at the University of Lisbon, Lisbon, June 20–24, 1988. Edited by Jorge Almeida, Gabriela Bordalo and Philip Dwinger, pp. 81–87. Plenum Press, New York, 1990. x+336 pp. ISBN: 0-306-43412-1
- [29] G. Grätzer and M. Greenberg, Lattice tensor products. I. Coordinatization, *Acta Math. Hungar.* **95** (4) (2002), 265–283.
- [30] ———, Lattice tensor products. III. Congruences, *Acta Math. Hungar.* **98** (2003), 167–173.
- [31] ———, Lattice tensor products. IV. Infinite lattices, *Acta Math. Hungar.* **103** (2004), 17–30.
- [32] G. Grätzer, M. Greenberg, and E. T. Schmidt, Representing congruence lattices of lattices with partial unary operations as congruence lattices of lattices. II. Interval ordering, *J. Algebra* **286** (2005), 307–324.
- [33] G. Grätzer and David Kelly, A new lattice construction, *Algebra Universalis* **53** (2005), 253–265.
- [34] G. Grätzer and H. Lakser, Extension theorems on congruences of partial lattices, *Notices Amer. Math. Soc.* **15** (1968), 732, 785.

- [35] G. Grätzer and H. Lakser, Homomorphisms of distributive lattices as restrictions of congruences, *Can. J. Math.* **38** (1986), 1122–1134.
- [36] ———, Congruence lattices, automorphism groups of finite lattices and planarity, *C. R. Math. Rep. Acad. Sci. Canada* **11** (1989), 137–142. Addendum, **11** (1989), 261.
- [37] ———, On complete congruence lattices of complete lattices, *Trans. Amer. Math. Soc.* **327** (1991), 385–405.
- [38] ———, Congruence lattices of planar lattices, *Acta Math. Hungar.* **60** (1992), 251–268.
- [39] ———, On congruence lattices of m -complete lattices, *J. Austral. Math. Soc. Ser. A* **52** (1992), 57–87.
- [40] ———, Homomorphisms of distributive lattices as restrictions of congruences. II. Planarity and automorphisms, *Canad. J. Math.* **46** (1994), 3–54.
- [41] ———, Notes on sectionally complemented lattices. I. Characterizing the 1960 sectional complement. *Acta Math. Hungar.* **108** (2005), 115–125.
- [42] ———, Notes on sectionally complemented lattices. II. Generalizing the 1960 sectional complement with an application to congruence restrictions. *Acta Math. Hungar.* **108** (2005), 251–258.
- [43] G. Grätzer, H. Lakser, and R. W. Quackenbush, The structure of tensor products of semilattices with zero, *Trans. Amer. Math. Soc.* **267** (1981), 503–515.
- [44] G. Grätzer, H. Lakser, and M. Roddy, Notes on sectionally complemented lattices. III. The general problem, *Acta Math. Hungar.* **108** (2005), 325–334.
- [45] G. Grätzer, H. Lakser, and E. T. Schmidt, Congruence lattices of small planar lattices, *Proc. Amer. Math. Soc.* **123** (1995), 2619–2623.
- [46] ———, Congruence representations of join-homomorphisms of distributive lattices: A short proof, *Math. Slovaca* **46** (1996), 363–369.
- [47] ———, Isotone maps as maps of congruences. I. Abstract maps, *Acta Math. Acad. Sci. Hungar.* **75** (1997), 105–135.
- [48] ———, Congruence lattices of finite semimodular lattices, *Canad. Math. Bull.* **41** (1998), 290–297.

- [49] G. Grätzer, H. Lakser, and E. T. Schmidt, Congruence representations of join-homomorphisms of finite lattices: size and breadth, *J. Austral Math. Soc.* **68** (2000), 85–103.
- [50] ———, Isotone maps as maps of congruences. II. Concrete maps, *Acta Math. Acad. Sci. Hungar.* **92** (2001), 233–238.
- [51] G. Grätzer, H. Lakser, and F. Wehrung, Congruence amalgamation of lattices, *Acta Sci. Math. (Szeged)* **66** (2000), 3–22.
- [52] G. Grätzer, H. Lakser, and B. Wolk, On the lattice of complete congruences of a complete lattice: On a result of K. Reuter and R. Wille, *Acta Sci. Math. (Szeged)* **55** (1991), 3–8.
- [53] G. Grätzer, R. W. Quackenbush, and E. T. Schmidt, Congruence-preserving extensions of finite lattices to isoform lattices, *Acta Sci. Math. (Szeged)* **70** (2004), 473–494.
- [54] G. Grätzer, I. Rival, and N. Zaguia, Small representations of finite distributive lattices as congruence lattices, *Proc. Amer. Math. Soc.* **123** (1995), 1959–1961. Correction: **126** (1998), 2509–2510.
- [55] G. Grätzer and M. Roddy, Notes on sectionally complemented lattices. IV. Manuscript.
- [56] G. Grätzer and E. T. Schmidt, Ideals and congruence relations in lattices, *Acta Math. Acad. Sci. Hungar.* **9** (1958), 137–175.
- [57] ———, On congruence lattices of lattices, *Acta Math. Acad. Sci. Hungar.* **13** (1962), 179–185.
- [58] ———, Characterizations of congruence lattices of abstract algebras, *Acta Sci. Math. (Szeged)* **24** (1963), 34–59.
- [59] ———, “Complete-simple” distributive lattices, *Proc. Amer. Math. Soc.* **119** (1993), 63–69.
- [60] ———, Another construction of complete-simple distributive lattices, *Acta Sci. Math. (Szeged)* **58** (1993), 115–126.
- [61] ———, Congruence lattices of function lattices, *Order* **11** (1994), 211–220.
- [62] ———, *Algebraic lattices as congruence lattices: The m-complete case*, Lattice theory and its applications. In celebration of Garrett Birkhoff’s 80th birthday. Papers from the symposium held at the Technische Hochschule Darmstadt, Darmstadt, June 1991. Edited by K. A. Baker and R. Wille. Research and Exposition in Mathematics, 23. Heldermann Verlag, Lemgo, 1995. viii+262 pp. ISBN 3-88538-223-7

- [63] G. Grätzer and E.T. Schmidt, A lattice construction and congruence-preserving extensions, *Acta Math. Hungar.* **66** (1995), 275–288.
- [64] _____, Complete congruence lattices of complete distributive lattices, *J. Algebra* **171** (1995), 204–229.
- [65] _____, Do we need complete-simple distributive lattices? *Algebra Universalis* **33** (1995), 140–141.
- [66] _____, The Strong Independence Theorem for automorphism groups and congruence lattices of finite lattices, *Beiträge Algebra Geom.* **36** (1995), 97–108.
- [67] _____, Complete congruence lattices of join-infinite distributive lattices, *Algebra Universalis* **37** (1997), 141–143.
- [68] _____, Representations of join-homomorphisms of distributive lattices with doubly 2-distributive lattices, *Acta Sci. Math. (Szeged)* **64** (1998), 373–387.
- [69] _____, Congruence-preserving extensions of finite lattices into sectionally complemented lattices, *Proc. Amer. Math. Soc.* **127** (1999), 1903–1915.
- [70] _____, On finite automorphism groups of simple arguesian lattices, *Studia Sci. Math. Hungar.* **35** (1999), 247–258.
- [71] _____, Regular congruence-preserving extensions, *Algebra Universalis* **46** (2001), 119–130.
- [72] _____, Congruence-preserving extensions of finite lattices to semimodular lattices, *Houston J. Math.* **27** (2001), 1–9.
- [73] _____, Complete congruence representations with 2-distributive modular lattices, *Acta Sci. Math. (Szeged)* **67** (2001), 289–300.
- [74] _____, On the Independence Theorem of related structures for modular (arguesian) lattices, *Studia Sci. Math. Hungar.* **40** (2003), 1–12.
- [75] _____, Representing congruence lattices of lattices with partial unary operations as congruence lattices of lattices. I. Interval equivalence, *J. Algebra* **269** (2003), 136–159.
- [76] _____, Finite lattices with isoform congruences, *Tatra Mt. Math. Publ.* **27** (2003), 111–124.
- [77] _____, Congruence class sizes in finite sectionally complemented lattices, *Canad. Math. Bull.* **47** (2004), 191–205.

- [78] G. Grätzer and E. T. Schmidt, Finite lattices and congruences. A survey, *Algebra Universalis* **52** (2004), 241–278.
- [79] G. Grätzer, E. T. Schmidt, and K. Thomsen, Congruence lattices of uniform lattices, *Houston J. Math.* **29** (2003), 247–263.
- [80] G. Grätzer and D. Wang, A lower bound for congruence representations, *Order* **14** (1997), 67–74.
- [81] G. Grätzer and F. Wehrung, Proper congruence-preserving extensions of lattices, *Acta Math. Hungar.* **85** (1999), 175–185.
- [82] ———, A new lattice construction: the box product, *J. Algebra* **221** (1999), 315–344.
- [83] ———, Tensor products and transferability of semilattices, *Canad. J. Math.* **51** (1999), 792–815.
- [84] ———, Tensor products of lattices with zero, revisited, *J. Pure Appl. Algebra* **147** (2000), 273–301.
- [85] ———, The Strong Independence Theorem for automorphism groups and congruence lattices of arbitrary lattices, *Adv. in Appl. Math.* **24** (2000), 181–221.
- [86] ———, A survey of tensor products and related constructions in two lectures, *Algebra Universalis* **45** (2001), 117–134.
- [87] ———, On the number of join-irreducibles in a congruence representation of a finite distributive lattice, *Algebra Universalis* **49** (2003), 165–178.
- [88] C. Herrmann, On automorphism groups of arguesian lattices, *Acta Math. Hungar.* **79** (1998), 35–38.
- [89] A. P. Huhn, Schwach distributive Verbände. I, *Acta Sci. Math. (Szeged)* **33** (1972), 297–305.
- [90] ———, Two notes on n -distributive lattices, Lattice theory (Proc. Colloq., Szeged, 1974), pp. 137–147. *Colloq. Math. Soc. János Bolyai*, vol. 14, North-Holland, Amsterdam, 1976.
- [91] ———, On the representation of distributive algebraic lattices, I. *Acta Sci. Math. (Szeged)* **45** (1983), 239–246.
- [92] ———, On the representation of distributive algebraic lattices. II, *Acta Sci. Math. (Szeged)* **53** (1989), 3–10.

- [93] A. P. Huhn, On the representation of distributive algebraic lattices. III, *Acta Sci. Math.* **53** (1989), 11–18.
- [94] M. F. Janowitz, Section semicomplemented lattices, *Math. Z.* **108** (1968), 63–76.
- [95] K. Kaarli, Finite uniform lattices are congruence permutable, *Acta Sci. Math.*
- [96] F. Maeda, *Kontinuierliche Geometrien*. Die Grundlehren der mathematischen Wissenschaften in Einzeldarstellungen mit besonderer Berücksichtigung der Anwendungsgebiete, Bd. 95. Springer-Verlag, Berlin-Göttingen-Heidelberg, 1958. x+244 pp.
- [97] R. N. McKenzie, G. F. McNulty, and W. F. Taylor, *Algebras, lattices, varieties, vol. I*. The Wadsworth & Brooks/Cole Mathematics Series. Wadsworth & Brooks/Cole Advanced Books & Software, Monterey, CA, 1987. xvi+361 pp. ISBN: 0-534-07651-3
- [98] E. Mendelsohn, Every group is the collineation group of some projective plane. Foundations of geometry (Proc. Conf., Univ. Toronto, Toronto, Ont., 1974), pp. 175–182. Univ. Toronto Press, Toronto, Ont., 1976.
- [99] O. Ore, Theory of equivalence relations, *Duke Math. J.* **9** (1942), 573–627.
- [100] P. Pudlák, On congruence lattices of lattices, *Algebra Universalis* **20** (1985), 96–114.
- [101] P. Pudlák and J. Tůma, Every finite lattice can be embedded into a finite partition lattice, *Algebra Universalis* **10** (1980), 74–95.
- [102] A. Pultr and V. Trnková, Combinatorial, algebraic and topological representations of groups, semigroups and categories, North-Holland Mathematical Library, vol. 22. North-Holland Publishing Co., Amsterdam-New York, 1980. x+372 pp. ISBN: 0-444-85083-X.
- [103] K. Reuter and R. Wille, Complete congruence relations of complete lattices, *Acta Sci. Math. (Szeged)*, **51** (1987), 319–327.
- [104] G. Sabidussi, Graphs with given infinite groups, *Monatsh. Math.* **64** (1960), 64–67.
- [105] E. T. Schmidt, Zur Charakterisierung der Kongruenzverbände der Verbände, *Mat. Časopis Slovensk. Akad. Vied.* **18** (1968), 3–20.
- [106] _____, Every finite distributive lattice is the congruence lattice of some modular lattice, *Algebra Universalis* **4** (1974), 49–57.

- [107] E. T. Schmidt, On the length of the congruence lattice of a lattice, *Algebra Universalis* **5** (1975), 98–100.
- [108] ———, Remark on generalized function lattices, *Acta Math. Hungar.* **34** (1979), 337–339.
- [109] ———, The ideal lattice of a distributive lattice with 0 is the congruence lattice of a lattice, *Acta Sci. Math. (Szeged)* **43** (1981), 153–168.
- [110] ———, Congruence lattices of complemented modular lattices, *Algebra Universalis* **18** (1984), 386–395.
- [111] ———, Homomorphism of distributive lattices as restriction of congruences, *Acta Sci. Math. (Szeged)* **51** (1987), 209–215.
- [112] ———, Congruence lattices of modular lattices, *Publ. Math. Debrecen* **42** (1993), 129–134.
- [113] ———, On finite automorphism groups of simple arguesian lattices, *Publ. Math. Debrecen* **42** (1998), 383–387.
- [114] Z. Shmuley, The structure of Galois connections, *Pacific J. Math.* **54** (1974), 209–225.
- [115] S.-K. Teo, Representing finite lattices as complete congruence lattices of complete lattices, *Ann. Univ. Sci. Budapest. Eötvös Sect. Math.* **33** (1990), 177–182.
- [116] ———, On the length of the congruence lattice of a lattice, *Period. Math. Hungar.* **21** (1990), 179–186.
- [117] M. Tischendorf, The representation problem for algebraic distributive lattices, Ph. D. thesis, TH Darmstadt, 1992.
- [118] J. Tůma, On the existence of simultaneous representations, *Acta Sci. Math. (Szeged)* **64** (1998), 357–371.
- [119] J. Tůma and F. Wehrung, A survey of recent results on congruence lattices of lattices, *Algebra Universalis* **48** (2002), 439–471.
- [120] A. Urquhart, A topological representation theory for lattices, *Algebra Universalis* **8** (1978), 45–58.
- [121] F. Wehrung, Non-measurability properties of interpolation vector spaces, *Israel J. Math.* **103** (1998), 177–206.
- [122] ———, A uniform refinement property of certain congruence lattices, *Proc. Amer. Math. Soc.* **127** (1999), 363–370.
- [123] Y. Zhang, A note on “Small representations of finite distributive lattices as congruence lattices”, *Order* **13** (1996), 365–367.