

Bibliography

- [1] Aczél, J., *Vorlesungen über Funktionalgleichungen und ihre Anwendungen*, Birkhäuser Verlag, Basel 1961.
- [2] Aczél, J., *Proof of a theorem of distributive type hyperidentities*, *Algebra Universalis* **1** (1971), 1-6.
- [3] Almeida, J., *Semigrupos Finitos e Algebra Universal*, Universidade de São Paulo, 1992 (English translation: *Finite Semigroups and Universal Algebra*, World Scientific, 1995).
- [4] Arworn, Sr., Denecke, K., *Groupoids of hypersubstitutions and G -solid varieties*, *General Algebra and Applications in Discrete Mathematics*, Shaker-Verlag, Aachen 1997, 5-22.
- [5] Arworn, Sr., Denecke, K., *Sets of hypersubstitutions and set-solid varieties*, *Demonstratio Mathematica*, Vol. XXXII, No. 1 (1999), 1-11.
- [6] Arworn, Sr., Denecke, K., *Left- and right-edge solid varieties of entropic groupoids*, *Demonstratio Mathematica*, Vol. XXXII, No. 1 (1999), 1-11.
- [7] Arworn, Sr., Denecke, K., *Hyperidentities and hypersubstitutions in the variety of symmetric, idempotent, entropic groupoids*, preprint 1998.
- [8] Arworn Sr., Denecke, K., Pöschel, R., *Closure Operators on Complete Lattices*, preprint 1998.
- [9] Banaschewski, B., *The Birkhoff theorem for varieties of finite algebras*, *Algebra Universalis* **17** (1983), 360-368.
- [10] Belousov, V. D., *Systems of quasigroups with generalized identities*, *Uspekhi Mat. Nauk* **20** (1965), 75-146 (Russian), Translation: *Math. Surveys*, **20**, 73-143.
- [11] Belousov, V. D., *Balanced identities in algebras of quasigroups*, *Aequationes Math.* **8** (1972), 1-73.
- [12] Bergman, G.M., *Hyperidentities of groups and semigroups*, *Aequationes Math.* **22** (1981), 315-317.

- [13] Bergman, G.M., *Hyperidentities of groups and semigroups*, Aequationes Math. **23** (1981), 50-65.
- [14] Berman, J., *A proof of Lyndon's finite basis theorem*, Discrete Math. **29** (1990), 229-233.
- [15] Birjukov, A. P., *The lattice of varieties of idempotent semigroups*, Algebra i Logika **9** (1970), 255-273 (Russian); English translation in Algebra and Logic **9** (1970), 153-164.
- [16] Birkhoff, G., *The structure of abstract algebras*, Proc. Cambridge Philosophical Society **31** (1935), 433-454.
- [17] Birkhoff, G., *Subdirect unions in universal algebra*, Bull. Amer. Math. Soc. **50** (1944), 764-768.
- [18] Birkhoff, G., Lipson, J. D., *Heterogeneous algebras*, J. Combinat. Theory **8**, (1970), 115-133.
- [19] Börner, F., *Operationen auf Relationen*, Dissertation, Universität Leipzig 1988.
- [20] Börner, F., *Varieties of Partial Algebras*, Beitr. zur Algebra und Geometrie, Vol. **37**, No. 2, (1996), 259-287.
- [21] Bourbaki, N., *Structures Uniformes*, in: Topologie Generale (Elements de Mathematique, Fascicule II, 3me ed.) Hermann 1961.
- [22] Burmeister, P., *A Model Theoretic Oriented Approach to Partial Algebras*, Akademie-Verlag, Berlin 1986.
- [23] Burris, S., Sankappanavar, H. P., *A course in Universal Algebra*, Graduate Texts in Mathematics, **78**, Springer-Verlag, Berlin - Heidelberg - New York 1981.
- [24] Chajda, I., Denecke, K., Halaš, R., *Algebras induced by hypersubstitutions*, General Algebra and Discrete Mathematics, Shaker-Verlag Aachen, 1999, 11-25.
- [25] Chromik, W., *Externally compatible identities of algebras*, Demonstratio Mathematica **23** (1990), 345-355.
- [26] Cohn, P. M., *Universal Algebra*, Harper & Row, New York 1965.
- [27] Cowan, D., Wismath, S.L., *Unary iterative hyperidentities for semigroups and inverse semigroups*, Semigroup Forum, Vol. **55** (1997), 221-231.

- [28] Cowan, D., Wismath, S.L., *Unary hyperidentities for varieties of inverse semigroups*, Semigroup Forum, Vol. 58 (1999), 106–125.
- [29] Craig, W., *Near equational and equational systems of logic for partial functions I.*, The Journal of Symbolic Logic, **54** (1989), 795-827, Part II *ibid.*, 1188-1215.
- [30] Day, A., *A characterization of modularity for congruence lattices of algebras*, Canad. Math. Bull., **12** (1969), 167-173.
- [31] Denecke, K., *Preprimal Algebras*, Akademie-Verlag, Berlin 1982.
- [32] Denecke, K., *Boolean clones and Hyperidentities in Universal Algebras*, Universal and Applied Algebra, Turawa, Poland 3-7 May 1988, World Scientific (1989), 23-45.
- [33] Denecke, K., *Eine Charakterisierung der funktionalen Vollständigkeit in kongruenzvertauschbaren Varietäten durch Hyperidentitäten*, Rostocker Mathematisches Kolloquium, **36** (1989), 73-80.
- [34] Denecke, K., *Strong regular varieties of partial algebras*, Beiträge zur Algebra und Geometrie, **31** (1990), 163-177.
- [35] Denecke, K., *Pre-solid varieties*, Demonstratio Mathematica, Vol. XXVII, No 3-4 (1994), 741-750.
- [36] Denecke, K., *On the characterization of primal partial algebras by strong regular hyperidentities*, Acta Mathematica Universitatis Comenianae, Vol. LXIII, **1** (1994), 141-153.
- [37] Denecke, K., *Gamma-hyperidentities and Gamma-solid varieties*, General Algebra and Discrete Mathematics, Shaker-Verlag, Aachen, 1999, 27-35.
- [38] Denecke, K., *Clones and Hyperidentities*, Discrete Mathematics and Applications, Research in Mathematics Vol.5, Blagoevgrad (1995), 9-18.
- [39] Denecke, K., Mal'tsev, I. A., Reschke, M., *On separation of clones by hyperidentities I*, Sib. Math. Journal, **36**, 5 (1995), 1049-1066.
- [40] Denecke, K., Freiberg, L., Koppitz, J., *Algorithmic problems in M-solid varieties of semigroups*, in: Semigroups, Proceedings of the International Conference in Semigroups and its Related Topics, Kunming 1995, Springer-Verlag, Singapore 1998, 104-117.
- [41] Denecke, K., Glazek, K., *M-solid varieties and Q-free clones*, Math. Slovaca **46** (1996), No. 5, 515-524

- [42] Denecke, K., Hałkowska, K., *On P-compatible Hybrid Identities and Hyperidentities*, *Studia Logica* **53** (1994), 493-501.
- [43] Denecke, K., Hyndman, J., Wismath, S.L., *The Galois correspondence between monoids of hypersubstitutions and varieties*, to appear in *Discussiones Mathematicae*.
- [44] Denecke, K. Jampachon, P., *Regular-solid varieties of commutative and idempotent groupoids*, preprint 1997.
- [45] Denecke, K., Koppitz, J., *Pre-solid varieties of commutative semigroups*, *Tatra Mt. Math. Publ.* **5** (1995), 35-41.
- [46] Denecke, K. and Koppitz, J., *Hyperassociative Varieties of Semigroups*, *Semigroup Forum* **49** (1994), 41-48.
- [47] Denecke, K., Koppitz, J., *Pre-solid varieties of semigroups*, *Archivum Mathematicum (Brno)* **31** (1995), 171-181.
- [48] Denecke, K., Koppitz, J., *M-solid varieties of semigroups*, *Discussiones Mathematicae* **15** (1995), 23-41.
- [49] Denecke, K., Koppitz, J., *A characterization of M- solid varieties of semigroups*, *General Algebra and Discrete Mathematics*, Shaker-Verlag, Aachen, 1999, 37-46.
- [50] Denecke, K., Koppitz, J., *Finite monoids of hypersubstitutions of type $\tau = (2)$* , *Semigroup Forum*, Vol. **56** (1998), 265-275.
- [51] Denecke, K., Koppitz, J., *Normal forms of hypersubstitutions*, *Algebraic Engineering*, World Scientific 1999, 448-461.
- [52] Denecke, K., Koppitz, J., *Essential variables in hypersubstitutions*, preprint 1998.
- [53] Denecke, K., Koppitz, J., *Fluid unsolid and completely unsolid varieties*, preprint 1998.
- [54] Denecke, K., Koppitz, J., Marszałek, R., *Derived varieties and derived equational theories*, *International Journal of Algebra and Computation*, Vol. **8**, No. 2 (1998), 153-169.
- [55] Denecke, K., Koppitz, J., Wismath, S.L., *Maps between M-solid varieties of semigroups*, *Discussiones Mathematicae, Algebra and Stochastic Methods* **17** (1997), 91-104.

- [56] Denecke, K., Lau, D., *Kongruenzen auf Klons und vollinvariante Kongruenzen relativ freier Algebren II*, Rostocker Mathematisches Kolloquium, **29** (1986), 4-20.
- [57] Denecke, K., Lau, D., Pöschel, R., Schweigert, D., *Hyperidentities, hyperequational classes, and clone congruences*, Contributions to General Algebra **7**, Verlag Hölder-Pichler-Tempsky, Wien 1991, 97-118.
- [58] Denecke, K., Lau, D., Pöschel, R., Schweigert, D., *Solidifiable Clones*, General Algebra and Applications, Heldermann-Verlag, Berlin 1993, 41-69.
- [59] Denecke, K., Lau, D., Pöschel, R., Schweigert, D., *Free clones and solid varieties*, Discrete Mathematics and Applications, Heldermann-Verlag, Berlin 1995, 59-82.
- [60] Denecke, K., Marszałek, R., *Binary Relations on Monoids of Hypersubstitutions*, Algebra Colloquium, **4:1** (1997), 49-64.
- [61] Denecke, K., Pöschel, R., *A Characterization of Sheffer functions by hyperidentities*, Semigroup Forum, **37** (1988), 351-362.
- [62] Denecke, K., Pöschel, R., *The characterization of primal algebras by hyperidentities*, Contributions to General Algebra **6**, Verlag Hölder-Pichler-Tempsky, Wien, Verlag B.G. Teubner Stuttgart (1988), 67-87.
- [63] Denecke, K., Płonka, J., *Edge-solid varieties*, Proceedings of the International Conference Sommer School on General Algebra and ordered Sets, Olomouc 1994, 45-53.
- [64] Denecke, K., Płonka, J., *Regularization and Normalization of solid varieties*, Discrete Mathematics and Applications, Heldermann-Verlag, Berlin 1995, 83-92.
- [65] Denecke, K., Poomsa-ard, T., *Hyperidentities in graph algebras*, General Algebra and Applications in Discrete Mathematics, Shaker-Verlag, Aachen 1997, 59-68.
- [66] Denecke, K., M. Reichel, *Hyperidentities in Quasigroups*, Beiträge der Jahrestagung Algebra und Grenzgebiete, Güstrow-Schabernack, 1990.
- [67] Denecke, K., Reichel, M., *Monoids of hypersubstitutions and M-solid varieties*, Contributions to General Algebra **9**, Wien, Stuttgart (1995), 117-126.
- [68] Denecke, K., Welke, D., *Solid varieties of partial algebras*, Algebra and Model Theory, Novosibirsk 1997, 43-69.

- [69] Denecke, K., Wismath, S.L., *Solid varieties of Semigroups*, Semigroup Forum, **48** (1994), 219-234.
- [70] Denecke, K., Wismath, S.L., *The monoid of hypersubstitutions of type $\tau = (2)$* , Contributions to General Algebra, **10**, Klagenfurt (1998), 109-127.
- [71] Denecke, K., Mal'tsev, I.A., *Separation of clones by hyperidentities*, (Russian), Sib. Math. Journal, **35**, 2 (1994), 310-316.
- [72] Dikranjan, D., Giuli, E., *Closure Operators I*, Topology and its Applications, **27** (1987), 129-143.
- [73] Eilenberg, S., Schützenberger, M.P., *On pseudovarieties*, Adv. Math. **19** (1976), 413-418.
- [74] Emelichev, V.A., *Commutative semigroups with one defining relation*, Uchenye zap. Shuiskogo ped. in-ta, **6** (1958), 227-242.
- [75] Evans, T., *The lattice of semigroup varieties*, Semigroup Forum **2** (1971), 1-43.
- [76] Fajtlowicz, S., *Birkhoff's theorem in the category of non-indexed algebras*, Bulletin de l'Academie Polonaise des Sciences, Série des sci. Math., astr. et phys. **17** (1969), 273-275.
- [77] Felscher, W., *Equational maps*, in: Contributions to Mathematical Logic, North-Holland Amsterdam 1968, 121-161.
- [78] Fennemore, C. F., *All varieties of bands*, Math. Nachr. **48** (1971), part I: 237-252; part II: 253-262.
- [79] Foster, A. L., *Generalized Boolean theory of universal algebras, Part I*, Math. Zeitschr. **58** (1953), 306-336, Part II, Math. Zeitschr. **59** (1953), 191-199.
- [80] Freivald, R.V., *Completeness criteria for partial functions of the algebra of logic and many-valued logics*, Dokl. Akad. Nauk. SSSR, **167**, 6 (1966), 1249-1250.
- [81] Fujiwara, T., *On mappings between algebraic systems, I and II*, Osaka J. Math. **11** (1959), 153-172 and **12** (1960), 253-268.
- [82] Garcia, O.C., Taylor, W., *The lattice of interpretability types of varieties*, Mem. Amer. Math. Soc. **50** (1984), no. 305, 125 pp.
- [83] Gerhard, J. A., *The lattice of equational classes of idempotent semigroups*, J. Algebra **15** (1970), 195-224.

- [84] Gerhard, J. A., Petrich, M., *Varieties of bands revisited*, Proc. London Math. Soc. (3) **58** (1989), 323-350.
- [85] Głazek, K., *Weak homomorphisms of general algebras and related topics*, Math. Seminar Notes **8** (1980), 1-36.
- [86] Głazek, K., *Semigroups of weak homomorphisms of universal algebras*, Proceedings of the International Symposium on Semigroup Theory and Related Fields (Kyoto 1990), Matsue (Japan) (1990), 85-102.
- [87] Głazek, K., *Morphisms of general algebras without fixed fundamental operations*, General Algebra and Applications, Heldermann-Verlag, Berlin 1993, 89-112.
- [88] Głazek, K., *Algebras of Algebraic Operations and Morphisms of Algebraic Systems (in Polish)*, Acta Universitatis Wratislaviensis, No. 1602, Wrocław 1994.
- [89] Głazek, K., Michalski, J., *Weak homomorphisms of general algebras*, Ann. Soc. Math. Polon., Ser. I, Comment. Math. **19** (1977), 211-228.
- [90] Gluschkow, W. M., Zeitlin, G. J., Justschenko, J. L., *Algebra, Sprachen, Programmierung*, Akademie-Verlag, Berlin 1980.
- [91] Goetz, A., *On weak isomorphisms and weak homomorphisms of abstract algebras*, Colloq. Math. **14** (1966), 163-167.
- [92] Goetz, A., *A generalization of the notion of direct product of universal algebras*, Colloq. Math. **22** (1971), 167-176.
- [93] Gould, M., *Rectangular bands in universal algebra, two applications*, Acta Sci. Math. **44** (1982), 271-279.
- [94] Gorlov, V., *On congruences on closed Post classes*, Russian, Mat. Zametki, **13** (1973), 725-734.
- [95] Graczyńska, E., *On normal and regular identities and hyperidentities*, Universal and Applied Algebra, Turawa, Poland 3-7 May 1988, World Scientific (1989), 107-135.
- [96] Graczyńska, E., *EIS for nilpotent shifts of varieties*, General Algebra and Applications, Heldermann-Verlag, Berlin 1993, 116-120.
- [97] Graczyńska, E., *Pseudovarieties of M-solid algebras*, preprint, 1996.
- [98] Graczyńska, E., Schweigert, D., *Hypervarieties of a given type*, Algebra Universalis, **27** (1990), 305-318.

- [99] Graczyńska, E., Pöschel, R., Volkov, M.V., *Solid pseudovarieties*, in: General Algebra and Applications in Discrete Mathematics, Proceedings of the conference on General Algebra and Discrete Mathematics, Potsdam 1996, edited by K. Denecke and O. Lüders, Shaker-Verlag, Aachen 1997, pp. 93-110.
- [100] Grätzer, G., *Universal Algebra*, 2nd edition, Springer-Verlag, Berlin, Heidelberg, New York, 1979.
- [101] Gumm, H.P., *Congruence modularity is permutability composed with distributivity*, Arch. Math. **36** (1981), 569-576.
- [102] Haddad, L., Rosenberg, I. G., *Critère général de complétude pour les algèbres partielles finies*, C.R. Acad. Sci. Paris, **304**, Serie I, n: 17 (1987), 507-509.
- [103] Haddad, L., Rosenberg, I.G., *Completeness theory for finite partial algebras*, Algebra Universalis (to appear).
- [104] Hałkowska, K., *On Free Algebras in Varieties defined by Externally Compatible Identities*, Universal and Applied Algebra, Turawa, Poland 3-7 May 1988, World Scientific (1989), 143-148.
- [105] Hyndman, J., McKenzie, R., Taylor, W., *k-ary monoids of term operations*, Semigroup Forum **44** (1992), 21-52.
- [106] Hoehnke, H.J., *Superposition partieller Funktionen*, Studien zur Algebra und ihre Anwendungen, Schriftenreihe des Zentralinst. f. Math. und Mech., Heft **16**, Berlin 1972, pp. 7-26.
- [107] Hoehnke, H.J., *Struktursätze der Algebra und Kompliziertheit logischer Schemata I,II,III*, Math. Nachr. **61** (1974), 15-35, **63** (1974), 337-351, **64** (1974), 71-93.
- [108] Hoehnke, H. J., *On partial algebras*, Universal Algebra, Esztergom (Hungary), 1977 Colloquia Mathematica Societatis János Bolyai, **29.**, Amsterdam 1981, pp. 373-412.
- [109] Hoehnke, H.J., *Fully invariant algebraic closure systems of congruences and quasivarieties of algebras*, 43. Lectures in Universal Algebra, Szeged (Hungary), Colloquia Mathematica Societatis János Bolyai, 1983, pp. 189-207.
- [110] Hoehnke, H.J., *On Quasivarieties of Partial Algebras, their Generation and their Subquasivarieties, Pt. 1,2*, Beiträge zur Algebra und Geometrie **21** (1986), 145-160, **22**, 103-114.

- [111] Hoehnke, H.J., *Monoidal structure of Mal'tsev clones, their theories and completions*, Akad. d. Wiss. der DDR, Karl-Weierstraß-Institut für Mathematik, Preprint P-Math-34/87.
- [112] Hoehnke, H.J., *On certain classes of categories and monoids constructed from abstract Mal'tsev clones, IV*, General Algebra and Discrete Mathematics, Heldermann-Verlag, Berlin 1995, 137-168.
- [113] Hoehnke, H.J., *Remarks and problems on varieties and quasivarieties, clones and quasiclones*, Discussiones Mathematicae, Vol.16, No. 1 (1996), 11-56.
- [114] Howie, J.M., *An Introduction of Semigroup Theory*, Academic Press, 1976.
- [115] Higgins, P. J., *Algebras with a scheme of operators*, Math. Nachr., **27** (1963), 115-132.
- [116] Ihringer, Th., *Allgemeine Algebra*, Verlag B.G. Teubner, Stuttgart 1993.
- [117] Jablonskij, S.V., *Functional constructions in multivalued logics*, (Russian), Trudy Inst. Mat. Steklov, **51** (1958), 5-142.
- [118] Jablonskij, S.V., Gawrilow, G.P., Kudrjawzew, W.B., *Boolesche Funktionen und Postsche Klassen*, Akademie-Verlag, Berlin 1970.
- [119] Kalicki, J., Scott, D., *Equational completeness in abstract algebras*, Indag. Math., **17** (1955), 650-659.
- [120] Kharlampovich, O. G., Sapir, M.V., *Algorithmic Problems in Varieties*, preprint 1994.
- [121] Kolibiar, M., *Weak homomorphisms in some classes of algebras*, Studia Sci. Math. Hung. **19** (1984), 413-420.
- [122] Knoebel, A., *The equational classes generated by single functionally pre-complete algebras*, Memoirs of the Amer. Math. Soc., **57**, 332, Providence, Rhode Island, 1985.
- [123] Lau, D., *Eigenschaften gewisser abgeschlossener Klassen in Postschen Algebren*, Dissertation A, Universität Rostock, 1977.
- [124] Lau, D., *Congruences on closed sets of k -valued logic*, Colloq. Math. Soc. János Bolyai, **28** (1981), 417-440.
- [125] Lau, D., *On closed subsets of Boolean functions*, (A new proof for Post's theorem), J. Inform. Process. Cybernet. **EIK 27** (1991), 167-178.

- [126] Lau, D., Denecke, K., *Congruences on maximal partial clones and strong regular varieties generated by preprimal partial algebras II*, Demonstratio Mathematica, Vol. XXIV, 1-2 (1991), 105-119.
- [127] Lau, D., Denecke, K., *Congruences on maximal partial clones and strong regular varieties generated by preprimal partial algebras I*, Wiss. Zeitschrift, Pädagogische Hochschule Potsdam, **34,1** (1990), 117-122.
- [128] Lau, D., *Ein neuer Beweis für Rosenberg's Vollständigkeitskriterium*, J. Inform. Process. Cybernet. **EIK 28**, 4 (1992), 149-195.
- [129] Lawvere, F.W., *Functorial semantics of algebraic theories*, Proc. Nat. Acad. Sci. **50** (1963), 869-872.
- [130] Lugowski, H. *Grundzüge der Universellen Algebra*, Teubner-Verlag, Leipzig, 1976.
- [131] Mal'tsev, A.I., *On the general theory of algebraic systems*, (Russian), Mat. Sbornik **35**, 77 (1954), 3-20.
- [132] Mal'tsev, A.I., *Structural characterizations of certain classes of algebras*, (Russian), Dokl. Akad. Nauk SSSR, **120** (1958), 29-32.
- [133] Mal'tsev, A.I., *Model correspondences*, Izv. Akad. Nauk SSR, Ser. Math. **23** (1959), 313-316.
- [134] Mal'tsev, A.I., *Iterative Algebras and Post's Varieties* (Russian), Algebra and Logic, **5**, 2 (1966), 5-24.
- [135] Mal'tsev, A.I., *Algebraic Systems*, Akademie-Verlag, Berlin 1973.
- [136] Mal'tsev, A.I., *Algorithmen und rekursive Funktionen*, Akademie-Verlag, Berlin 1974.
- [137] Mal'tsev, A.I., *Iterative Post's Algebras*, Russian, Novosibirsk 1976.
- [138] Mal'tsev, A.I., *On the homomorphisms onto finite groups*, Uchen. Zapiski Ivanovsk ped.instituta, **18**, 5 (1976), 49-60.
- [139] Marczewski, E., *Independence and homomorphisms in abstract algebras*, Fund. Math. **50** (1961), 45-61.
- [140] Marczewski, E., *Independence in abstract algebras. Results and problems*, Colloq. Math. **14** (1966), 169-188.
- [141] Markov, A. A., *On the impossibility of certain algorithms in the theory of associative systems*, Dokl. Akad. Nauk SSSR, **55** (1947), 583-588.

- [142] McKenzie, R.N., McNulty, G.F., Taylor, W.F., *Algebras, Lattices, Varieties*, vol.1, Wadsworth, Belmont, Cal., 1987.
- [143] Mel'nik. I.I., *Normal closures of perfect varieties of universal algebras*, (Russian), *Ordered sets and lattices*, Izdat. Saratov. Univ., Saratov (1971), 56-65.
- [144] Mel'nik. I.I., *Nilpotent shifts of varieties*, (Russian) *Mat. Zametki* **14**, 5, (1973), Translation: *Math. Notes*, **14** (1973), 962-966.
- [145] Menger, K., *An axiomatic theory of functions and fluents*, Symposium on the axiomatic method, Amsterdam 1959.
- [146] Movsisjan, Yu.M., *On the theory of Universal Algebras (Russian)*, *Izv. Akad. Nauk Armenijan SSR, Ser. Math. II* (1976), 485-502.
- [147] Movsisjan, Yu.M., *Introduction in the theory of algebras with hyperidentities*, (Russian), University of Jerevan, 1986.
- [148] Movsisjan, Yu.M., *Hyperidentities and Hypervarieties in algebras*, (Russian), University of Jerevan, 1990.
- [149] Neumann, W., *Representing varieties of algebras by algebras*, *J. Austral. Math. Soc.*, **11** (1970), 1-8.
- [150] Ol'shanskij, A. Yu., *Geometry of defining relations in groups*, (Russian), Nauka, Moscow, 1989.
- [151] Padmanabhan, R., Penner, P., *Bases of hyperidentities of lattices and semilattices*, *C.R. Math. Rep. Acad. Sci. Canada* IV,1 (1982), 9-14.
- [152] Paseman, G., *A small basis for Hyperassociativity*, preprint, Berkeley 1993.
- [153] Penner, P., *Hyperidentities of lattices and semilattices*, *Algebra Universalis*, **13** (1981), 307-314.
- [154] Perkins, P., *Bases for equational theories of semigroups*, *Journal of Algebra*, **11** (1968), 298-314.
- [155] Płonka, J., *Diagonal algebras*, *Fund. Math.*, **58** (1966), 309-321.
- [156] Płonka, J., *Remarks on diagonal and generalized diagonal algebras*, *Coll. Math.*, Vol. XV, 1 (1966), 19-23.
- [157] Płonka, J., *On the subdirect product of some equational classes of algebras*, *Math. Nachr.* **63** (1974), 303-305.

- [158] Płonka, J., *On varieties of algebras defined by identities of some special forms*, Houston Journal of Mathematics, Vol. 14, 2 (1988), 253-263.
- [159] Płonka, J., *On hyperidentities of some varieties*, General Algebra and Discrete Mathematics, Heldermann-Verlag, Berlin 1995, 199-214.
- [160] Płonka, J., *Proper and inner hypersubstitutions of varieties*, Proceedings of the International Conference Sommer School on General Algebra and Ordered Sets, Olomouc 1994, 106-116.
- [161] Płonka, J., Szylicka, Z., *A generalization of proper and inner hypersubstitutions*, Discussiones Mathematicae, **16**, 1 (1996), 67-79.
- [162] Polák, L., *On Hyperassociativity*, Algebra Universalis, **36** No. 3 (1996), 363-378.
- [163] Polák, L., *All solid varieties of semigroups*, abstract, Linz 1994.
- [164] Post, E.L., *Introduction to a general theory of elementary propositions*, Amer. J. Math., **43** (1921), 163-185.
- [165] Post, E.L., *The two-valued iterative systems of mathematical logic*, Ann. Math. Studies **5**, Princeton Univ. Press, 1941.
- [166] Post, E.L., *Recursive unsolvability of a problem of Thue*, J. Symbolic Logic, **12**, 1 (1947), 1-11.
- [167] Pöschel, R., Kaluznin, L.A., *Funktionen- und Relationenalgebren*, VEB Deutscher Verlag der Wissenschaften, Berlin 1979.
- [168] Pöschel, R., Reichel, M., *Projection Algebras and rectangular algebras*, General Algebra and Applications, Research and Exposition in Mathematics, Vol. 20, Heldermann-Verlag Berlin, 180-195.
- [169] Reichel, M., *Hyperidentitäten in zweielementigen Algebren*, Diplomarbeit Universität Potsdam, 1988.
- [170] Reichel, M., *Bi-Homomorphismen und Hyperidentitäten*, Dissertation, Universität Potsdam, 1994.
- [171] Reichel, M., Denecke, K., *Hyperidentities in Quasigroups*, Beiträge zur Jahrestagung Algebra und Grenzgebiete, Güstrow 1990, 67-75.
- [172] Reiterman, J., *The Birkhoff theorem for finite algebras*, Algebra Universalis **14** (1982), 1-10.
- [173] Reschke, M., *Hyperidentitäten in zweielementigen Algebren*, Dissertation, Universität Potsdam, 1990.

- [174] Reschke, M., Denecke, K., *Ein neuer Beweis für die Ergebnisse von E.L. Post über abgeschlossene Klassen Boolescher Funktionen*, J. Inform. Process. Cybernet. **EIK 25** (1989), 361-380.
- [175] Quackenbush, R.W., *A new proof of Rosenberg's primal algebra characterization theorem*, in: Finite Algebra and Multiple-valued logic, (Proc. Conf. Szeged, 1979), Colloq. Math. Soc. J. Bolyai, North-Holland Amsterdam, vol. 28, 603-634.
- [176] Robinson, A., *Equational Logic of partial functions under Kleene equality: a complete and incomplete set of rules*, Journal of Symbolic Logic, **54** (1989), 354-363.
- [177] Romov, B.A., *Maximal subalgebras of partial multi-valued logic functions* (Russian), Kibernetika, **1**, Jan.-Feb. 1980; english translation, Cybernetics, **1** (1980), 31-40.
- [178] Rosenberg, I.G., *La structure des fonctions de plusieurs variables sur un ensemble fini*, C.R. Acad. Sci. Paris Ser. A-B **260** (1965), 3817-3819.
- [179] Rosenberg, I.G., *Abbildung abgeschlossener Algebren*, Bull. Math. Soc. Sci. Math. R. S. Roumanie **10**, 58 (1966), 326-334.
- [180] Rosenberg, I.G., *Über die funktionale Vollständigkeit in den mehrwertigen Logiken*, Rozpr. ČSAV, Řada Mat. Přír. Věd. Praha **80**, 1 (1970), 3-93.
- [181] Rosenberg, I.G., *Minimal clones I: The five types*, in: Lectures in Universal Algebra (Proc. Conf. Szeged, 1983), Colloqu. Math. Soc. J. Bolyai, **43**, North-Holland, Amsterdam.
- [182] Rousseau, G., *Completeness in finite algebras with a single operation*, Proc. Amer. Math. Soc. **18** (1967), 1009-1013.
- [183] Sapir, M., *Problems of Burnside type and the finite basis property in varieties of semigroups*, (Russian), Izv. Akad. Nauk SSSR Ser. Mat., **51**, 2 (1987), 319-340, transl. in Math. USSR-Izv. **30**, 2 (1988), 295-314.
- [184] Schweigert, D., *Clone equations and hyperidentities*, Preprint Nr. 86, Universität Kaiserslautern, 1984.
- [185] Schweigert, D., *Clones of term functions of lattices and abelian groups*, Algebra Universalis, **20** (1985), 27-33.
- [186] Schweigert, D., *Hyperidentities, Algebras and Orders*, Kluwer Academic Publishers, Dordrecht, Boston, London, 1993, 405-506.

- [187] Schweigert, D., Wismath, S.L., *Derived varieties of semigroups and groupoids*, Algebra Universalis, **38** (1997), 36-55.
- [188] Schweigert, D., *Hybrid terms and sentences*, Studia Logica, **52** (1993), 405-417.
- [189] Schweigert, D., Kilgus, B., *On the lattice of solid equational theories*, preprint 1994.
- [190] Schweigert, D., *On derived varieties*, Discussiones Mathematicae, Algebra and Stochastic Methods, **18** (1998), 17-26
- [191] Schreckenberger, J., *Zur Theorie der dht-symmetrischen Theorien*, Diss. B, Päd. Hochschule Potsdam, Math.-Naturwiss. Fak., Potsdam 1984.
- [192] Staruch, B., Staruch, B. *Strong Regular Varieties of Partial Algebra*, Algebra Universalis, Vol. **31** (1994), 157-176.
- [193] Shupecki, J., *Completeness criterion for systems of many-valued propositional calculus*, Studia Logica **30** (1972), 153-157.
- [194] Szendrei, A., *Clones in universal algebra*, Les presses de l'Université de Montréal, Montréal, 1986.
- [195] Szylicka, Z., *Proper hypersubstitutions of outerizations of varieties*, Discussiones Mathematicae, Vol. **15**, No. 1 (1995), 69-80.
- [196] Taylor, W., *Characterizing Mal'tsev conditions*, Algebra Universalis, **3** (1973), 351-397.
- [197] Taylor, W., *Equational Logic*, Houston J. of Math., **5** (1979), 1-83.
- [198] Taylor, W., *Mal'tsev conditions and spectra*, J. Austral. Math. Soc. (A) **29** (1980), 143-152.
- [199] Taylor, W., *Hyperidentities and hypervarieties*, Aequationes Mathematicae **23** (1981), 111-127.
- [200] Taylor, W., *Abstract Clone Theory*, Algebras and Orders, Kluwer Academic Publishers, Dordrecht, Boston, London, 1993, 507-530.
- [201] Traczyk, T., *An equational definition of a class of Post algebras*, Bull. Acad. Pol. Sc. **12** (1964), 147-149.
- [202] Vogel, H.-J., *Eine kategorientheoretische Sprache zur Beschreibung von Birkhoff-Algebren*, Akad. d. Wiss. der DDR, Karl-Weierstraß-Institut für Mathematik, Report R-Math-06/84.

- [203] Wechler, W., *Universal algebra for computer scientists*, Springer-Verlag, Berlin 1992.
- [204] Welke, D., *Stark reguläre Hyperidentitäten in partiellen Algebren*, Diplomarbeit, Universität Potsdam, 1992.
- [205] Welke, D., *Hyperidentitäten partieller Algebren*, Dissertation, Universität Potsdam, 1996.
- [206] Wismath, S. L., *Hyperidentities for some varieties of semigroups*, Algebra Universalis **27** (1990), 111-127.
- [207] Wismath, S. L., *Hyperidentities for some varieties of commutative semigroups*, Algebra Universalis **28** (1991), 245-273.
- [208] Wismath, S. L., *Hyperidentity Bases for rectangular bands and other semigroup varieties*, Journal of the Australian Math. Society (Series A) **55** (1993), 270-286.
- [209] Wismath, S. L., *Joins of some varieties of semigroups*, Studia Scientiarum Mathematicarum Hungarica **27** (1992), 331-338.
- [210] Wismath, S. L., *On finite hyperidentity bases for varieties of semigroups*, Algebra Universalis **33** (1995), 15-25.
- [211] Wismath, S. L., *A Basis for the type $< n >$ hyperidentities of the medial variety of semigroups*, Aequationes Mathematicae **49** (1995), 205-213.
- [212] Wismath, S. L., *Iterative hyperidentities for the $A_{n,m}$ varieties of semigroups*, Algebra Universalis **36** (1996), 1-7.
- [213] Wismath, S.L., *Fundamental-M-closed and fundamental- M-solid varieties*, to appear in Bulletin of the Southeast Asian Mathematics Society.
- [214] Wismath, S.L., *The Monoid of Hypersubstitutions of Type (n)* , to appear in Bulletin S.E. Asian Math. Society.
- [215] Wismath, S.L., *Finite Hypersubstitutions of Type (n)* , preprint 1998
- [216] Wojdyło, B. *On equationally definable classes of Quasi-Algebras*, Acta Facultatis Rerum Naturalium Universitatis Comenianae, Mathematica-special number 1975.