

List of Publications of Ivo G. Rosenberg

- [1] ROSENBERG, I. G., Semi-systems of number theory, (Czech) *Sb. Vysoké. Učení Tech. Brno* (1961), 111–115.
- [2] ROSENBERG, I. G., Sums of Legendre symbols I, (Czech) *Sb. Vysoké. Učení Tech. Brno* (1962), 183–190.
- [3] ROSENBERG, I. G., Sums of Legendre symbols II, (Czech) *Sb. Vysoké. Učení Tech. Brno* (1962), 311–314.
- [4] IVANESCU (HAMMER), P., ROSENBERG, I. G. and RUDEANU, S., The application of discrete linear programming to the minimization of Boolean functions, (Russian) *Rev. Math. Pures Appl. (Bucharest)* **8** (1963), 459–475.
- [5] IVANESCU (HAMMER), P., ROSENBERG, I. G. and RUDEANU, S., On determination of the minima of a pseudo-Boolean function, (Romanian) *Acad. R. P. Romîne Stud. Cerc. Mat.* **14** (1963), 359–364.
- [6] IVANESCU (HAMMER), P., ROSENBERG, I. G., Application of pseudo-Boolean programming to the theory of graphs, *Z. Wahrscheinlichkeitstheorie und Verw. Gebiete* **3** (1964), 163–176.
- [7] ROSENBERG, I. G., Détection et identification des fonctions Booléennes symétriques généralisées, (French) *Rev. Roumaine Math. Pures Appl.* **9** (1964), 465–473.
- [8] ROSENBERG, I. G., Zur Minimisierung der Booleschen Funktionen I, (German) *Bull. Math. Soc. Sci. Math. Phys. R. P. Roumaine (N.S.)* **8**(56) (1964), 75–106.
- [9] ROSENBERG, I. G., Zur Minimisierung der Booleschen Funktionen II, (German) *Bull. Math. Soc. Sci. Math. Phys. R. P. Roumaine (N.S.)* **8**(56) (1964), 173–208.
- [10] ROSENBERG, I. G., La structure des fonctions de plusieurs variables sur un ensemble fini, (French) *C. R. Acad. Sci. Paris* **260** (1965), 3817–3819.

- [11] ROSENBERG, I. G., Das Minimum der reellen Funktion auf dem kartesischen Produkt von endlichen Mengen, (German) *Rev. Roumaine Math. Pures Appl.* **10** (1965), 1377–1383.
- [12] ROSENBERG, I. G., Ein anschauliches Modell für die Minimierung Boolescher Funktionen, (German) *Rev. Roumaine Math. Pures Appl.* **11** (1966), 189–193.
- [13] ROSENBERG, I. G., Zu einigen Fragen der Superposition von Funktionen mehrerer Veränderlicher, (German) *Bul. Inst. Politehn. Iași (N.S.)* **12** (XVI) (1966), 7–15.
- [14] ROSENBERG, I. G., Isotone und homomorphe Abbildungen von halbgeordneten Halbgruppoiden, (German) *Publ. Fac. Sci. Univ. J. E. Purkyne, Brno* **478** (1966), 411–426.
- [15] ROSENBERG, I. G., Abbildung abgeschlossener Algebren, (German) *Bull. Math. Soc. Sci. Math. R. S. Roumanie* **10** (58) (1966), 329–334.
- [16] ROSENBERG, I. G., Die transitive Hülle des lexikographischen Produktes, (German) *Mat. Časopis Sloven. Akad. Vied* **17** (1967), 92–107.
- [17] ROSENBERG, I. G., Maximale Gegenketten im Verband 3^n , (German) *Arch. Math. (Brno)* **3** (1967), 185–190.
- [18] ROSENBERG, I. G., Minimization of the number of states in input-restricted machines, *in: Boolean methods in operations research and related areas* (Rudeanu S., Hammer P. L., eds.), Springer (1968), 294–298. (French Translation: Dunod 1970.)
- [19] ROSENBERG, I. G., Über die Verschiedenheit maximaler Klassen in P_k , (German) *Rev. Roumaine Math. Pures Appl.* **14** (1969), 431–438.
- [20] ROSENBERG, I. G., Maximal clones on algebras A and A' , *Rend. Circ. Mat. Palermo, Ser. II*, **18** (1969), 329–333.
- [21] ROSENBERG, I. G., Algebren und Relationen, (German) *Elektron. Informationsverarb. Kybernet.* **6** (1970), 115–124.
- [22] ROSENBERG, I. G., Complete sets for finite algebras, *Math. Nachr.* **44** (1970), 253–258.
- [23] ROSENBERG, I. G., Über die funktionale Vollständigkeit in den mehrwertigen logiken (Struktur der funktionen von mehreren veränderlichen auf endlichen mengen), (German) *Rozpravy Československé Akad. Věd Řada Mat. Přírod. Věd* **80** (1970), 3–93.

- [24] ROSENBERG, I. G., Double lexicographic products, *Spisy Prr. Fak. Univ. Brno* **6** (1970), 221–228.
- [25] ROSENBERG, I. G., The refinement of two isomorphic generalized lexicographic products, *Spisy Prr. Fak. Univ. Brno* **6** (1970), 229–235.
- [26] ROSENBERG, I. G., A classification of universal algebras by infinitary relations, *Algebra Universalis* **1** (1972), 350–354.
- [27] ROSENBERG, I. G., 0–1 optimization and non-linear programming, *Rev. Française Automat. Informat. Recherche Opérationnelle* **6** Ser. Bleue V-2, (1972), 95–97.
- [28] HAMMER, P. L. and ROSENBERG, I. G., Equivalent forms of zero-one programs, in: Applications of number theory to numerical analysis, *Proc. Sympos., Univ. Montréal, 1971* (S. K. Zaremba ed.), Academic Press (1972), 453–463.
- [29] ROSENBERG, I. G., The number of maximal closed classes in the set of functions over a finite domain, *J. Combinatorial Theory* Ser. A **14** (1973), 1–7.
- [30] ROSENBERG, I. G., Strongly rigid relations, *Rocky Mountain J. Math.* **3** (1973), 631–639.
- [31] ROSENBERG, I. G., A variant of pseudo-Boolean programming, *Rev. Roumaine Math. Pures Appl.* **18** (1973), 721–725.
- [32] ROSENBERG, I. G., Completeness, closed classes and relations in multiple-valued logics, *Proceedings of the 1974 International Symposium on Multiple-Valued Logic* (Morgantown, West Virginia, 1974) IEEE Comput. Soc. (1974), 1–26.
- [33] ROSENBERG, I. G., Minimization of pseudo-Boolean functions by binary development, *Discrete Math.* **7** (1974), 151–165.
- [34] ROSENBERG, I. G. Some maximal closed classes of operations on infinite sets, *Math. Ann.* **212** (1974), 157–164.
- [35] ROSENBERG, I. G., A semilattice on the set of permutations on an infinite set, *Math. Nachr.* **60** (1974), 191–199.
- [36] ROSENBERG, I. G., Universal algebras with all operations of bounded range, *Colloq. Math.* **30** (1974), 177–185.
- [37] ROSENBERG, I. G., Une correspondance de Galois entre les algèbres universelles et les relations dans le même univers, (French) *C. R. Acad. Sci. Paris Sér. A* **279** (1974), 581–582.

- [38] ROSENBERG, I. G., Aggregation of equations in integer programming, *Discrete Math.* **10** (1974), 325–341.
- [39] HAMMER, P. L. and ROSENBERG, I. G., Linear decomposition of a positive group-Boolean function, Numerische Methoden bei Optimierungsaufgaben, II (Tagung, Math. Forschungsinst., Oberwolfach, 1973) *Internat. Schriftenreihe Numer. Math.*, **23** (P. Collatz and W. Wetterling eds.) Birkhäuser (1974), 51–62.
- [40] ROSENBERG, I. G., Une correspondance de Galois entre les algèbres universelles et les relations dans le même univers, (French) *C. R. Acad. Sci. Paris Sér. A-B* **280** (1975), A615–A616.
- [41] ROSENBERG, I. G. and STENGER, F., A lower bound on the angles of triangles constructed by bisecting the longest side, *Math. Comp.* **29** (1975), 390–395.
- [42] ROSENBERG, I. G., Reduction of bivalent maximization to the quadratic case, *Cahiers Centre Études Rech. Opér.* **17** (1975), 71–74.
- [43] ROSENBERG, I. G., Polynomial functions over finite rings, *Glasnik Mat. Ser. III.* **10**(30) (1975), 25–33.
- [44] ROSENBERG, I. G., Characteristic polynomials in GF(2) of zero-one inequalities and equations, *Utilitas Math.* **7** (1975), 323–343.
- [45] ROSENBERG, I. G., On Chvátal's cutting planes in integer linear programming, *Math. Operationsforsch. Statist.* **6** (1975), 511–522.
- [46] ROSENBERG, I. G., Special types of universal algebras preserving a relation, *Portugal Math.* **34** (1975), 173–188.
- [47] ROSENBERG, I. G., Functional completeness in heterogeneous multiple-valued logics, *Proceedings of the 1975 International Symposium on Multiple-Valued Logic* (Indiana Univ., Bloomington, Ind., 1975) IEEE Comput. Soc. (1975), 34–43.
- [48] ROSENBERG, I. G., The set of maximal closed classes of operations on an infinite set A has cardinality $2^{2^{|A|}}$, *Arch. Math. (Basel)* **27** (1976), 561–568.
- [49] ROSENBERG, I. G., Some algebraic and combinatorial aspects of multiple-valued circuits (Tutorial talk), *Proceedings of the 1976 International Symposium on Multiple-Valued Logic* (Utah State Univ., Logan, Utah, 1976) IEEE Comput. Soc. (1976), 9–23.
- [50] ROSENBERG, I. G., A characterization of Mal'cev's preiterative algebras, *Proceedings of the 1976 International Symposium on*

- Multiple-Valued Logic* (Utah State Univ., Logan, Utah, 1976) IEEE Comput. Soc. (1976), 266.
- [51] CHVÁTAL, V., KOTZIG, A., ROSENBERG, I. G. and DAVIES, R. O., There are 2^{\aleph_α} friendship graphs of cardinal \aleph_α , *Canad. Math. Bull.* **19** (1976), 431–433.
- [52] ROSENBERG, I. G., Completeness properties of multiple-valued logic algebras, *in: Computer Science and Multiple-Valued Logic, Theory and Applications*, (David C. Rine, ed.), Chapter 6, North-Holland (1977), 144–186.
- [53] ROSENBERG, I. G., On closed classes, basic sets and groups, *Proceedings of the Seventh International Symposium on Multiple-Valued Logic* (Charlotte, N.C., 1977) IEEE Comput. Soc. (1977), 1–6.
- [54] ROSENBERG, I. G., The subalgebra systems of direct powers, *Algebra Universalis* **8** (1978), 221–227.
- [55] ROSENBERG I. G., On generating large classes of Sheffer functions, *Aequationes Math.* **17** (1978), 164–181.
- [56] BARACS, J., CRAPO, H., ROSENBERG, I. G. and WHITELEY, W., La topologie structurale, (French) *Mathématiques et Architecture*, Forces, no. 4 1-42 (1978), 44–54.
- [57] FLEISCHER, I. and ROSENBERG, I. G., The Galois connection between partial functions and relations, *Pacific J. Math.* **79** (1978), 93–97.
- [58] DEZA, M., ROSENBERG, I. G., Cardinalités de sommets et d’arêtes d’hypergraphes satisfaisant à certaines conditions sur l’intersection d’arêtes, (French) *Cahiers Centre Études Rech. Opér.* **20** (1978), 279–285.
- [59] MARTIN, L., REISCHER, C. and ROSENBERG, I. G., Completeness problems for switching circuits constructed from delayed gates, *Proceedings of the Eighth International Symposium on Multiple-Valued Logic* (Rosemont, Illinois, 1978) IEEE Comput. Soc. (1978), 142–148.
- [60] ROSENBERG, I. G., Ramifications of Słupecki’s lemma, *Proceedings of the 24th Conference of the History of Logic*, Cracow (1978), 58–74.
- [61] ROSENBERG, I. G., On a Galois connection between algebras and relations and its applications, *Contributions to general algebra (Proc. Klagenfurt Conf., 1978)*, Johannes Hayn, Klagenfurt (1979), 273–289.
- [62] ROSENBERG, I. G., A generalization of Hausdorff’s independent sets, *An. Univ. Timisoara* **16** (1979), 77–80.

- [63] DEZA, M. and ROSENBERG, I. G.. Intersection and distance patterns, Graph theory and related topics, *Proc. Conf. (Univ. Waterloo, Waterloo, Ont., 1977)*, Academic Press, (1979), 133–143.
- [64] ROSENBERG, I. G., Structural rigidity of bar & joint and cabled frameworks, *Proceedings of the Tenth Southeastern Conference on Combinatorics, Graph Theory and Computing (Florida Atlantic Univ., Boca Raton, Fla., 1979)* Congress. Numer., XXIII–XXIV, *Utilitas Math.*, Winnipeg, Man. (1979), 843–848.
- [65] MUZIO, J. C. and ROSENBERG, I. G., Large classes of functionally complete operations I., *Proceedings of the Tenth International Symposium on Multiple-Valued Logic* (Evanston, Illinois, 1980) IEEE Comput. Soc. (1980), 94–101.
- [66] DEZA, M. and ROSENBERG, I. G., Generalized intersection patterns and two-symbol balanced arrays, *Linear Algebra Appl.* **30** (1980), 9–40.
- [67] ROSENBERG, I. G., Linear decompositions of positive real functions of binary arguments, *Utilitas Math.* **17** (1980), 17–34.
- [68] ROSENBERG, I. G., Structural rigidity I. Foundations and rigidity criteria, *Combinatorics 79 (Proc. Joint Canada-France Combin. Coll.)*, *Ann. Discrete Math.* **8** (1980), 143–161.
- [69] ROSENBERG, I. G., Combinatorial and algebraic aspects of switching circuits, *Discrete mathematical analysis and combinatorial computation* (Fredericton, N.B., 1980), Univ. New Brunswick, Fredericton, N.B., (1980), 11–23.
- [70] ROSENBERG, I. G., Large classes of functionally complete groupoids II, *Proceedings of the Eleventh International Symposium on Multiple-Valued Logic* (Norman, Oklahoma, 1981) IEEE Comput. Soc. (1981), 259–262.
- [71] FRANKL, P. and ROSENBERG, I. G., A finite set intersection theorem, *European J. Combin.* **2** (1981), 127–129.
- [72] ROSENBERG, I. G., Functionally complete algebras in congruence distributive varieties, *Acta Sci. Math. (Szeged)* **43** (1981), 347–352.
- [73] ROSENBERG, I. G., Clones containing the direct square of a primal algebra, *Proceedings of the Twelfth International Symposium on Multiple-Valued Logic* (CNAM, Paris, 1982) IEEE Comput. Soc. (1982), 30–34.

- [74] ROSENBERG, I. G., Functional completeness of single generated or surjective algebras, Finite algebra and multiple-valued logic (Szeged, 1979), *Colloq. Math. Soc. János Bolyai* (B. Csákány, I. G. Rosenberg, eds.) **28**, North-Holland (1981), 635–652.
- [75] ROSENBERG, I. G. and SCHWEIGERT, D., Locally maximal clones, *Elektron. Informationsverarb. Kybernet.* **18** (1982), 389–401.
- [76] MUZIO, J. C. and ROSENBERG, I. G., Large classes of functionally complete groupoids, I, *Aequationes Math.*, **25** (1982) 274–288.
- [77] ROSENBERG, I. G., Regular and strongly regular self-complementary graphs, Theory and practice of combinatorics, *Ann. Discrete Math.*, **12** (1982) 223–238.
- [78] ROSENBERG, I. G., Galois theory for partial algebras, in Universal algebra and lattice theory, Proceedings of the Puebla conference 1982 (Freese, R. S. and Garcia O. C., eds.), *Lecture Notes in Math.*, **1004** Springer (1983), 257–272.
- [79] MARTIN, L., REISCHER, C. and ROSENBERG, I. G., Problèmes de complétude pour les circuits aux éléments avec retard. (French) *Elektron. Informationsverarb. Kybernet.* **19** (1983), 171–186.
- [80] ROSENBERG, I. G. and SZENDREI, Á., Degree of clones and relations. *Houston J. Math.* **9** (1983), 545–580.
- [81] ROSENBERG, I. G. and HIKITA, T., Completeness for uniformly delayed circuits, *Proceedings of the Thirteenth International Symposium on Multiple-Valued Logic* (Kyoto, 1983) IEEE Comput. Soc. (1983), 2–10.
- [82] ROSENBERG, I. G., Cycle structure of affine transformations of vector spaces over $\text{GF}(p)$, *Ann. Discrete Math.* **17** (1983), 575–579.
- [83] ROSENBERG, I. G. and SZABÓ, L., Local completeness I. *Algebra Universalis* **18** (1984), 308–326.
- [84] DEZA, M. and ROSENBERG, I. G., Intersection and distance patterns, *Utilitas Math.* **25** (1984), 191–214.
- [85] ROSENBERG, I. G. and SCHWEIGERT, D., Compatible orderings and tolerances of lattices, Ordered sets and their applications, Orders: description and roles (L'Arbresle, 1982), *Ann. Discrete Math.* **23** (1984), 119–150.
- [86] MACHIDA, H. and ROSENBERG, I. G., Classifying essentially minimal clones, *Proceedings of the Fourteenth International Symposium*

- on *Multiple-Valued Logic* (Winnipeg, 1984) IEEE Comput. Soc. (1984), 4–7.
- [87] DAVIES, R. O. and ROSENBERG, I. G., Precomplete classes of operations on an uncountable set, *Colloq. Math.* **50** (1985), 1–12.
- [88] ROSENBERG, I. G., The multifaceted completeness problem of the structural theory of automata, *Dynamical Systems and Cellular Automata*, (Luminy, 1983) Academic Press (1985), 375–393.
- [89] POUZET, M. and ROSENBERG, I. G., Ramsey properties for classes of relational systems, *European J. Combin.* **6** (1985), 361–368.
- [90] ROSENBERG, I. G. and SZENDREI, Á., Submaximal clones with a prime order automorphism, *Acta Math. (Szeged)* **49** (1985), 29–48.
- [91] MACHIDA, H. and ROSENBERG, I. G., Essentially minimal groupoids. *Proceedings of the Fifteenth International Symposium on Multiple-Valued Logic* (Kingston, Ont., 1985) IEEE Comput. Soc. (1985), 338–344.
- [92] ROSENBERG, I. G., Structural rigidity II. Almost infinitesimally rigid bar frameworks, *Discrete Appl. Math.* **13** (1986), 41–59.
- [93] ROSENBERG, I. G., Spin glass and pseudo-Boolean optimization, in: *Disordered systems and biological organization* (Les Houches, 1985, E. Bienenstock, F. Fogelman-Soulie, G. Weissbuch, eds.), *NATO Adv. Sci. Inst. Ser. F: Comput. Systems Sci.* **20**, Springer (1986), 327–331.
- [94] ROSENBERG, I. G., Minimal clones I: The five types, *Lectures in Universal Algebra* (Szeged, 1983, L. Szabó and Á Szendrei, eds.), *Colloq. Math. Soc. János Bolyai*, **43**, North Holland (1986), 405–427.
- [95] HADDAD, L. and ROSENBERG, I. G., An interval of finite clones isomorphic to $(\mathcal{P}(N), \subseteq)$, *C. R. Math. Rep. Acad. Sci. Canada* **8** (1986), 375–379.
- [96] FRANKL, P. and ROSENBERG, I. G., Regularly intersecting families of finite sets, *Ars Combin.* **22** (1986), 97–105.
- [97] POUZET, M. and ROSENBERG, I. G., Sperner properties for groups and relations, *European J. Combin.* **7** (1986), 349–370.
- [98] MUKAIDONO, M. and ROSENBERG, I. G., k -valued functions for treating ambiguities: their clone and normal form, *Proceedings of the Sixteenth International Symposium on Multiple-Valued Logic* (Blacksburg, VA, USA, 1986) IEEE Comput. Soc. (1986), 204–211.

- [99] DEZA M. and ROSENBERG, I. G., General convolutions motivated by designs, *Acta Univ. Carolin., Math. Phys.* **27** (1986), 49–66.
- [100] ROSENBERG, I. G., Characterization of diagrams by 0-1 inequalities, Special Issue: ordered sets (Oberwolfach, 1985) *Discrete Math.* **63** (1987), 261–270.
- [101] HADDAD, L. and ROSENBERG, I. G., Critère général de complétude pour les algèbres partielles finies, (French) *C. R. Acad. Sci. Paris Sér. I Math.* (1987), 507–509.
- [102] ROSENBERG, I. G. and SCHWEIGERT, D., Almost unanimity operations, *Contributions to General Algebra 5* (Salzburg, 1986), *Hölder-Pichler-Tempsky, Vienna* (1987), 295–308.
- [103] MIYAKAWA, M., STOJMENOVIĆ, I., LAU, D. and ROSENBERG, I. G., Classification and basis enumerations in many-valued logics – A survey –, *Proceedings of the Seventeenth International Symposium on Multiple-Valued Logic* (Boston, MA, USA, 1987) IEEE Comput. Soc. (1987), 152–160.
- [104] MUKAIDONO, M. and ROSENBERG, I. G., Clones of isotone operations for halfbounded orders and regular functions, *Proceedings of the Seventeenth International Symposium on Multiple-Valued Logic* (Boston, MA, USA, 1987) IEEE Comput. Soc. (1987), 349–355.
- [105] HADDAD, L. and ROSENBERG, I. G., Famille large de clones sur un univers fini, (French) *Ann. Sci. Math. Québec* **12** (1988), 55–72.
- [106] FÜREDI, Z. and ROSENBERG, I. G., Multicolored lines in a finite geometry, *Discrete Math.* **71** (1988), 149–163.
- [107] ROSENBERG, I. G., Clones of boolean functions: a survey, *S. A. J. Philosophy* **7** (1988), 90–99.
- [108] HADDAD, L. and ROSENBERG, I. G., Un intervalle booléen de clones sur un univers fini, (French) *Ann. Sci. Math. Québec* **12** (1988), 211–231.
- [109] ROSENBERG, I. G., Algebraic properties of a general convolution, in: Algebraic, extremal and metric combinatorics, 1986 (Montréal, 1986) (Deza M. M., Frankl, P. and Rosenberg, I. G., eds.), London Math. Soc. Lecture Note Ser., **131**, *Cambridge Univ. Press* (1988), 175–204.
- [110] ROSENBERG, I. G. and SIMOVICI, D. A., Algebraic aspects of multiple-valued logic, *Proceedings of the Eighteenth International*

- Symposium on Multiple-Valued Logic* (Palma de Mallorca, Spain, 1988) IEEE Comput. Soc. (1988), 266–276.
- [111] ROSENBERG, I. G., Partial algebras and clones via one-point extension, Volume dedicated to the memory of W. Nobauer, *Contributions to general algebra* **6**, Hölder-Pichler-Tempsky, Vienna (1989), 227–242.
- [112] HADDAD, L. and ROSENBERG, I. G., Maximal partial clones determined by the areflexive relations, First Montréal Conference on Combinatorics and Computer Science, 1078, *Discrete Appl. Math.* **24** (1989), 133–143.
- [113] LAU, D., MIYAKAWA, M., ROSENBERG, I. G. and STOJMIENOVIC, I., Classification and basis enumeration of the algebras for partial functions: \tilde{P}_2 and $P_{2\ell}$, *Proceedings of the Nineteenth International Symposium on Multiple-Valued Logic* (Guangzhou, China, 1989) IEEE Comput. Soc. (1989), 8–13.
- [114] HADDAD, L., ROSENBERG, I. G. and SCHWEIGERT, D., A maximal partial clone and a Słupecki-type criterion, *Acta Sci. Math. (Szeged)* **54** (1990), 89–98.
- [115] MIYAKAWA, M., ROSENBERG, I. G. and STOJMIENOVIC, I., Classification of three-valued logical functions preserving 0, *Discrete Appl. Math.* **28** (1990), 231–249.
- [116] ROSENBERG, I. G., Mal'cev algebras for universal algebra terms, in: Algebraic logic and universal algebra in computer science (Ames, IA, 1988 (Bergman, Maddux, Pigozzi, eds.)), *Lecture Notes in Computer Science* **425**, Springer (1990), 195–208.
- [117] QUACKENBUSH, R. W., RIVAL, I. and ROSENBERG, I. G., Clones, order varieties, near unanimity functions and holes, *Order* **7** (1990), 239–247.
- [118] HADDAD, L. and ROSENBERG, I. G., A note on finite clones containing all permutations, *Proceedings of the Twentieth International Symposium on Multiple-Valued Logic* (Charlotte, NC, USA, 1990) IEEE Comput. Soc. (1990), 34–41.
- [119] DEMETROVICS, J., MIYAKAWA, M., ROSENBERG, I. G., SIMOVICI, D. A. and STOJMIENOVIC, I., Intersections of isotone clones on a finite set, *Proceedings of the Twentieth International Symposium on Multiple-Valued Logic* (Charlotte, NC, USA, 1990) IEEE Comput. Soc. (1990), 248–253.

- [120] HADDAD, L. and ROSENBERG, I. G., Partial Sheffer operations, *European J. Combin.* **12** (1991), 9–21.
- [121] RAFTERY, J. G., ROSENBERG, I. G. and STURM, T., Tolerance relations and BCK-algebras, *Math. Japon.* **36** (1991), 399–410.
- [122] MIYAKAWA, M., NOZAKI, A., POGOSYAN, G. and ROSENBERG, I. G., Semirigid sets of central relations over a finite domain, *Proceedings of the Twenty-Second International Symposium on Multiple-Valued Logic* (Sendai, Japan, 1992) IEEE Comput. Soc. (1992), 300–307.
- [123] HADDAD, L. and ROSENBERG, I. G., Generating sequences for k -valued logic, *Inform. Sci.* **65** (1992), 275–282.
- [124] HADDAD, L. and ROSENBERG, I. G., Completeness theory for finite partial algebras, *Algebra Universalis* **29** (1992), 378–401.
- [125] MACHIDA, H. and ROSENBERG, I. G., A “large” essentially minimal clone over an infinite set, *Proceedings of the International Conference on Algebra, Part 3 (Novosibirsk, 1989)*, Contemp. Math., **131**, Part 3, Amer. Math. Soc., Providence, RI (1992), 159–167.
- [126] ROSENBERG, I. G. and STURM, T., Congruence relations on finitary models, *Czechoslovak Math. J.* **42** (117) (1992), 461–470.
- [127] MIYAKAWA, M., NAKAMURA, K., RAMÍK, J. and ROSENBERG, I. G., Joint canonical fuzzy numbers, *Fuzzy Sets and Systems* **53** (1993), 39–47.
- [128] NOZAKI, A., POGOSYAN, G., MIYAKAWA, M. and ROSENBERG, I. G., Semirigid sets of quasilinear clones, *Proceedings of the Twenty-Third International Symposium on Multiple-Valued Logic* (Sacramento, CA, USA, 1993) IEEE Comput. Soc. (1993), 105–110.
- [129] MACHIDA, H. and ROSENBERG, I. G., Essentially minimal groupoids, in: *Algebras and Orders* (Montréal, PQ, 1991 (Rosenberg, I. G. and Sabidussi, G., eds.)), *NATO Adv. Sci. Inst. Ser. C: Math. Phys. Sci.* **389**, Kluwer Acad. Publ. (1993), 287–316.
- [130] POUZET, M. and ROSENBERG, I. G., Inertial equivalences on ranked posets, *Math. Montisnigri*, **1** (1993), 85–98.
- [131] HAZAN, S. and ROSENBERG, I. G., TC-clones maximaux, graphes et relations, (French), *Graphs and combinatorics* (Lyon, 1987; Montréal, PQ, 1988), *Discrete Math.* **130** (1994), 77–82.

- [132] POUZET, M. and ROSENBERG, I. G., General metrics and contracting operations, *Graphs and combinatorics* (Lyon, 1987; Montréal, PQ, 1988), *Discrete Math.* **130** (1994), 103–169.
- [133] HADDAD, L. and ROSENBERG, I. G., Finite clones containing all permutations, *Canad. J. Math.* **46** (1994), 951–970.
- [134] POGOSYAN, G., NOZAKI, A., MIYAKAWA, M. and ROSENBERG, I. G., Hereditary clones of multiple valued logic algebra, *Proceedings of 24th International Symposium on Multiple-Valued Logic* (Boston, MA, USA, 1994) IEEE Comput. Soc. (1994), 306–313.
- [135] NOZAKI, A., MIYAKAWA, M., POGOSYAN, G. and ROSENBERG, I. G., The number of orthogonal permutations, *European J. Combin.* **16** (1995), 71–85.
- [136] HADDAD, L. and ROSENBERG, I. G., Partial clones containing all permutations, *Bull. Austral. Math. Soc.* **52** (1995), 263–278.
- [137] CHAJDA, I., CZÉDLI, G. and ROSENBERG, I. G., On lattices whose ideals are all tolerance kernels, *Acta Sci. Math. (Szeged)* **61** (1995), 23–32.
- [138] ROSENBERG, I. G., Clones on a prime cardinality universe containing an affine essential operation, *Ordered algebraic structures '93* (Liptovský Ján, 1993), *Tatra Mt. Math. Publ.* **5** (1995), 201–215.
- [139] KAISER, H. K. and ROSENBERG, I. G., A remark on algebras with the interpolation property, *Contributions to general algebra 9*, Hölder-Pichler-Tempsky, Vienna (1995), 213–218.
- [140] POUZET, M., ROSENBERG, I. G. and STONE, M. G., A projection property. *Algebra Universalis* **36** (1996), 159–184.
- [141] CHAJDA, I. and ROSENBERG, I. G., Remarks on Jónsson's Lemma, *Houston J. Math.* **22** (1996), 249–262.
- [142] LASHKIA, V., MIYAKAWA, M., NOZAKI, A., POGOSYAN, G. and ROSENBERG, I. G., Semirigid sets of diamond orders, *Discrete Math.* **156** (1996), 277–283.
- [143] CHAJDA, I. and ROSENBERG, I. G., Ideals and congruence kernels of algebras, *Czechoslovak Math. J.* **46** (121) (1996), 733–744.
- [144] DEMETROVICS, J., RÓNYAI, L., ROSENBERG, I. G. and STOJ-MENOVIĆ, I., Clones and maximal sets in set logic containing all Boolean functions, *Acta Sci. Math. (Szeged)* **62** (1996), 345–357.

- [145] CHAJDA, I., CZÉDLI, G. and ROSENBERG, I. G., Kernels of tolerance relations, *Acta Math. Univ. Comenian. (N.S.)* **65** (1996), 189–193.
- [146] ROSENBERG, I. G., An algebraic approach to hyperalgebras, *Proceedings of 26th IEEE International Symposium on Multiple-Valued Logic* (Santiago de Compostela, Spain, 1996) IEEE Comput. Soc. (1996), 203–207.
- [147] ROSENBERG, I. G., Wall monoids I, *New Frontiers in hyperstructures and related algebras (Molise, 1995)*, Proceedings of Monterudini workshop (T. Vougiouklis, ed.), Ser. New Front. Adv. Math. Ist. Ric. Base, *Hadronic Press, Palm Harbor, FL* (1996), 159–166.
- [148] POGOSYAN, G., MIYAKAWA, M., NOZAKI, A. and ROSENBERG, I. G., On the number of clique Boolean functions, *IEICE Trans. Fundamentals, Electronics, Comm. and Comput. Sciences*, **E-80-A**, No 8 (1997), 1502–1507.
- [149] DAVEY, B. A. and ROSENBERG, I. G., Natural dualities and clones, *Advances in mathematical Sciences: CRM's 25 years (Montréal, PQ, 1994)* (L. Vinet, ed.), CRM Proc. Lecture Notes **11**, *Amer. Math. Soc., Providence, RI* (1997), 385–402.
- [150] ROSENBERG, I. G., An interface between algebra and combinatorics, *Combinatorics '98 (Mondello)*, *Rendiconti del Circolo Matematico di Palermo*, Ser. 2, **53** (1998), 219–224.
- [151] CHAJDA, I. and ROSENBERG, I. G., Discriminator algebras with one nullary operation, *Contributions to general algebra 10* (Klagenfurt, 1997) *Johannes Heyn, Klagenfurt* (1998), 101–107.
- [152] FUEREDI, Z. and ROSENBERG, I. G., Orders admitting an isotone majority operation, *Multiple-Valued Logic, An Internat. J.* **3** (1998), 39–54.
- [153] HIKITA, T. and ROSENBERG, I. G., Completeness for uniformly delayed circuits, a survey, *Algebra and combinatorics: interactions and applications* (Königstein, 1994), *Acta Appl. Math.* **52** (1998), 49–61.
- [154] ROSENBERG, I. G., Multiple-valued hyperstructures, *Proceedings. 1998 28th IEEE International Symposium on Multiple-Valued Logic* (Fukuoka, Japan, 1998) IEEE Comput. Soc. (1998), 326–333.
- [155] ROSENBERG, I. G., Hypergroups and join spaces determined by relations, *Italian J. Pure Appl. Maths.* **4** (1998), 93–101.

- [156] ROSENBERG, I. G., Hypergroups induced by paths of a directed graph, *Italian J. Pure Appl. Math.* **4** (1998), 133–142.
- [157] POUZET, M., ROSENBERG, I. G. and STONE, M. G., A Swierczkowski-type affine multiple-valued functions on an elementary 2-group, *Multiple-Valued Logic, An Internat. J.* **3** (1998), 333–343.
- [158] MIYAKAWA, M., NOZAKI, A., POGOSYAN, G. and ROSENBERG, I. G., A map from the lower-half of the n -cube onto the $(n - 1)$ -cube which preserves intersecting antichains, *Discrete Appl. Math.* **92** (1999), 223–228.
- [159] ROSENBERG, I. G., An interface between algebra and combinatorics, *Graph connections (Cochin, 1998) Allied Publ., New Delhi* (1999) 49–51.
- [160] CHAJDA, I., HALAŠ, R. and ROSENBERG, I. G., Ideals and the binary discriminator in universal algebra, *Algebra Universalis*, **42** (1999), 239–251.
- [161] ROSENBERG, I. G. and MACHIDA, H., Gigantic pairs of minimal clones, *Proceedings 1999 29th IEEE International Symposium on Multiple-Valued Logic* (Freiburg, Germany, 1999) IEEE Comput. Soc. (1999), 74–79.
- [162] ROSENBERG, I. G., Two properties of fuzzy subquasigroups of a quasigroup, *Fuzzy Sets and Systems* **110** (2000), 447–450.
- [163] POUZET, M. and ROSENBERG, I. G., Embeddings and absolute retracts of relational systems, *Studia Sci. Math. Hungar. (Szeged)* **36** (2000), 1–12.
- [164] CHAJDA, I., HALAŠ, R., PINUS, A. G. and ROSENBERG, I. G., Duality of normally presented varieties, *Internat. J. Algebra and Comput.* **10** (2000), 651–664.
- [165] ROSENBERG, I. G. and SCHWEIGERT, D., Locally maximal clones II, *J. of Automata, Languages and Combinatorics* **5** (2000), 4, 421–455.
- [166] DEZA, M. and ROSENBERG, I. G., n -semimetrics, Discrete metric spaces (Marseille, 1998), *European J. Combin.* **21** (2000), 797–806.
- [167] MIYAKAWA, M. and ROSENBERG, I. G., Rigidity problem of autodual clones, *Proceedings 30th IEEE International Symposium on Multiple-Valued Logic* (Portland, OR, USA, 2000) IEEE Comput. Soc. (2000), 391–395.

- [168] HADDAD, L., MACHIDA, H. and ROSENBERG, I. G., On the intersection of maximal partial clones and the join of minimal partial clones, *Proceedings 30th IEEE International Symposium on Multiple-Valued Logic* (Portland, OR, USA, 2000) IEEE Comput. Soc. (2000), 396–401.
- [169] MACHIDA, H., MIYAKAWA, M. and ROSENBERG, I. G., Galois connection between clones and full monoids, *Kokyuroku* **1205**, RIMS, Kyoto University (2001) 172–177.
- [170] MACHIDA, H. and ROSENBERG, I. G., Gigantic pairs of minimal clones – characterization and existence –, *Multiple-Valued Logic – An Internat. J.* **7** (2001), 129–148.
- [171] MACHIDA, H., MIYAKAWA, M. and ROSENBERG, I. G., Relations between clones and full monoids, *Proceedings 31st IEEE International Symposium on Multiple-Valued Logic* (Warsaw, Poland, 2001) IEEE Comput. Soc. (2001), 279–284.
- [172] HADDAD, L., MACHIDA, H. and ROSENBERG, I. G., Maximal and minimal partial clones, *J. Autom. Lang. Combin.* **1** (2002), 83–93.
- [173] MACHIDA, H., MIYAKAWA, M. and ROSENBERG, I. G., Some results on the centralizers of monoids in clone theory, *Proceedings 32nd IEEE International Symposium on Multiple-Valued Logic* (Boston, MA, USA, 2002) IEEE Comput. Soc. (2002), 10–16.
- [174] ROSENBERG, I. G. and SIMOVICI, D. A., On functions defined on free Boolean algebras, *Proceedings 32nd IEEE International Symposium on Multiple-Valued Logic* (Boston, MA, USA, 2002) IEEE Comput. Soc. (2002), 192–199.
- [175] MIYAKAWA, M., OTSU, N. and ROSENBERG, I. G., Variable selection heuristics and optimum decision trees – An experimental study –, *Proceedings 32nd IEEE International Symposium on Multiple-Valued Logic* (Boston, MA, USA, 2002) IEEE Comput. Soc. (2002), 238–244.
- [176] JAROSZEWICZ, S, ROSENBERG, I. G. and SIMOVICI, D. A., An inclusion-exclusion result for boolean polynomials and its applications in data mining, *Proceedings of Discrete Mathematics in Data Mining Workshop*, SIAM Datamining Conference, Washington D.C. (2002).
- [177] ACEVEDO CONTRA, P., ROSENBERG, I. G., SIMOVICI, D. A. and STOJMENOVIC, I., Boolean completeness in multiple-valued set logic, *J. Mult.-Valued Logic Soft Comput.*, **9** (2003) 257–272.

- [178] FEARNLEY, A. and ROSENBERG, I. G., Collapsing monoids containing permutations and constants, *Algebra Universalis* **50** (2003), 149–156.
- [179] POGOSYAN, G., ROSENBERG, I. G. and TAKADA, S., Building Minimum ESOP through Redundancy Elimination, *Proceedings of the Workshop on Boolean Functions*, Freiberg (2003).
- [180] FREIVALDS, R., MIYAKAWA, M. and ROSENBERG, I. G., Complexity of decision trees for Boolean functions, *33rd International Symposium on Multiple-Valued Logic, 2003. Proceedings.* (Tokyo, Japan, 2003) IEEE Comput. Soc. (2003), 253–255.
- [181] MACHIDA, H. and ROSENBERG, I. G., On the centralizers of monoids in clone theory, *33rd International Symposium on Multiple-Valued Logic, 2003. Proceedings.* (Tokyo, Japan, 2003) IEEE Comput. Soc. (2003), 303–308.
- [182] POGOSYAN, G. and ROSENBERG, I. G., Generation of the Post lattice by irreducible clones, *33rd International Symposium on Multiple-Valued Logic, 2003. Proceedings.* (Tokyo, Japan, 2003) IEEE Comput. Soc. (2003), 309–314.
- [183] POGOSYAN, G. and ROSENBERG, I. G., An algorithm for optimal representation of a partial Boolean function as mod 2 sum of products, *Proceedings of 6th Internat. Symposium; Methods and Methodology of Future Computation (RM 2003)*, Trier (2003), 15–23.
- [184] MACHIDA, H. and ROSENBERG, I. G., Monoids whose centralizer is the least clone, *Proceedings. 34th International Symposium on Multiple-Valued Logic* (Toronto, ON, Canada, 2004) IEEE Comput. Soc. (2004), 102–108.
- [185] POGOSYAN, G. and ROSENBERG, I. G., Algebraic properties of totally irreducible elements of clone lattices, *Proceedings. 34th International Symposium on Multiple-Valued Logic* (Toronto, ON, Canada, 2004) IEEE Comput. Soc. (2004), 109–114.
- [186] ROSENBERG, I. G., Algebraic structures and relations; a short survey, *Contributions to general algebra* **15** (Proceedings of the Klagenfurt conference AAA 66, 2003) Johannes Heyn Klagenfurt (2004), 161–176.
- [187] JAROSZEWICZ, S., ROSENBERG, I. G. and SIMOVICI, D. A., Measures on Boolean polynomials and applications in data mining, *Discrete Appl. Math.* **144** (2004), 123–139.

- [188] MACHIDA, H. and ROSENBERG, I. G., On centralizers of monoids, *Novi Sad J. Math.* **34** (2004), 153–166.
- [189] KIENTEGA, G. and ROSENBERG, I. G., Extension of partial operations and relations, *Math. Sci. Res. J.* **8** (2004), 362–372.
- [190] DEZA, M. and ROSENBERG, I. G., Small cones of m -hemimetrics, *Discrete Math.* **291** (2005), 81–97.
- [191] ROSENBERG, I. G., Preface, *in: Structural theory of automata, semi-groups and universal algebra*, vii–viii, *NATO Sci. Ser. II, Math. Phys. Chem.* **207**, Springer (2005).
- [192] HIKITA, T. and ROSENBERG, I. G., Completeness of uniformly delayed operations, *in: Structural theory of automata, semigroups and universal algebra*, vii–viii, *NATO Sci. Ser. II, Math. Phys. Chem.* **207**, Springer (2005), 109–147.
- [193] ROSENBERG, I. G., and SIMOVICI, D. A., An abstract axiomatization of the notion of entropy, *Proceedings: 35th International Symposium on Multiple-Valued Logic* (Calgary, BC, Canada, 2005) IEEE Comput. Soc. (2005), 8–13.
- [194] HADDAD, L. and ROSENBERG, I. G., Partial clones determined by concatenated relations, *Proceedings: 35th International Symposium on Multiple-Valued Logic* (Calgary, BC, Canada, 2005) IEEE Comput. Soc. (2005), 101–106.
- [195] MIYAKAWA, M., ROSENBERG, I. G. and TATSUMI, H., Semirigid equivalence relations – A new proof method, *Proceedings: 35th International Symposium on Multiple-Valued Logic* (Calgary, BC, Canada, 2005) IEEE Comput. Soc. (2005), 107–112.
- [196] MACHIDA, H. and ROSENBERG, I. G., Centralizers of monoids containing the symmetric group, *Proceedings: 35th International Symposium on Multiple-Valued Logic* (Calgary, BC, Canada, 2005) IEEE Comput. Soc. (2005), 227–233.
- [197] KROKHIN, A. A. and ROSENBERG, I. G., A monoidal interval of clones of selfdual functions, *J. Automata, Languages and Combinatorics* **11** (2006), 189–208.
- [198] HADDAD, L., LAU, D. and ROSENBERG, I. G., Intervals of partial clones containing maximal clones, *J. Automata, Languages and Combinatorics* **11** (2006), 399–421.
- [199] HADDAD, L., MACHIDA, H. and ROSENBERG, I. G., Theoretical basis of commutation theory for partial clones, *Proceedings: 36th*

- International Symposium on Multiple-Valued Logic* (Singapore, 2006) IEEE Comput. Soc. (2006), Electronic version, pp.22.
- [200] MIYAKAWA, M., ROSENBERG, I. G. and TATSUMI, H., Associativity test in hypergroupoids, *Proceedings: 36th International Symposium on Multiple-Valued Logic* (Singapore, 2006) IEEE Comput. Soc. (2006), Electronic version, pp.23.
- [201] MIYAKAWA, M., TATSUMI, H., OTSU, N. and ROSENBERG, I. G., Selection criteria in efficient decision trees, *IX International Conf. "Intellectual Systems and Computer Science", Moscow, 2006* (V. B. Kudryavcev, ed.), Publ. House of Mechan-Matem. Fac. MGU, T.1, Part 1 (2006), 14–24.
- [202] HADDAD, L., MACHIDA, H. and ROSENBERG, I. G., Monoidal intervals of partial clones, *Proceedings: 37th International Symposium on Multiple-Valued Logic* (Oslo, Norway, 2007) IEEE Comput. Soc. (2007), Electronic version, pp.9.
- [203] MIYAKAWA, M., POUZET, M., ROSENBERG, I. G. and TATSUMI, H., Semirigid equivalence relations on a finite set, *Proceedings: 38th International Symposium on Multiple-Valued Logic* (Dallas, TX, USA, 2008) IEEE Comput. Soc. (2008), 118–123.
- [204] MACHIDA, H. and ROSENBERG, I. G., On endoprimal monoids in clone theory, *Proceedings: 39th International Symposium on Multiple-Valued Logic* (Naha, Japan, 2009) IEEE Comput. Soc. (2009), 167–172.
- [205] MIYAKAWA, M., POUZET, M., ROSENBERG, I. G. and TATSUMI, H., Semirigid equivalence relations on a finite set, *J. Mult.-Valued Logic Soft Comput.* **15** (2009), 395–407.
- [206] AMERI, R. and ROSENBERG, I. G., Congruences of multialgebras, *J. Mult.-Valued Logics Soft Comput.* **15** (2009), 525–536.
- [207] LEOREANU-FOTEA, V. and ROSENBERG, I. G., Homomorphisms of hypergroupoids associated with \mathcal{L} -fuzzy sets, *J. Mult.-Valued Logic Soft Comput.* **15** (2009), 537–545.
- [208] LEOREANU-FOTEA, V. and ROSENBERG, I. G., Hypergroupoids determined by lattices, *European J. Combin.* **31** (2010), 925–931.
- [209] CHAJDA, I., HALAŠ, R. and ROSENBERG, I. G., On the role of logical connectives for primality and functional completeness of algebras of logics, *Inform. Sci.* **180** (2010), 1345–1353.

- [210] LEOREANU-FOTEA, V. and ROSENBERG, I. G., Join Spaces determined by lattices, *J. Mult.-Valued Logic Soft Comput.* **16** (2010), 7–16.
- [211] KIENTEGA, G. and ROSENBERG, I. G., Metric properties of tolerances, *J. Mult.-Valued Logic Soft Comput.* **16** (2010), 209–218.
- [212] POUZET, M. and ROSENBERG, I. G., Small clones and the projection property, *Algebra Universalis* **63** (2010) 37–44.
- [213] MACHIDA, H. and ROSENBERG, I. G., Endoprimal monoids and witness lemma in clone theory, *Proceedings: 40th IEEE International Symposium on Multiple-Valued Logic* (Barcelona, Spain, 2010) IEEE Comput. Soc. (2010), 195–200.
- [214] MACHIDA, H., PANTOVIĆ, J. and ROSENBERG, I. G., Galois connection for hyperclones, *Proceedings: 40th IEEE International Symposium on Multiple-Valued Logic* (Barcelona, Spain, 2010) IEEE Comput. Soc. (2010), 201–204.
- [215] QIAN, W., RIEDEL, M. D. and ROSENBERG, I. G., Uniform approximation and Bernstein polynomials with coefficients in the unit intervals, *European J. Combin.* **32** (2011) 448–463.
- [216] MACHIDA, H. and ROSENBERG, I. G., Maximal centralizing monoids and their relation to minimal clones, *Proceedings: 41st IEEE International Symposium on Multiple-Valued Logic* (Tuusula, Finland, 2011) IEEE Comput. Soc. (2011), 153–159.
- [217] TEMGOUA, E. R. A. and ROSENBERG, I. G., Binary central relations and submaximal clones determined by nontrivial equivalence relations, *Algebra Universalis* **67** (2012), 299–311.
- [218] MACHIDA, H. and ROSENBERG, I. G., Some centralizing monoids on a three-element set, *J. Mult.-Valued Logic Soft Comput.*, Vol. **18** (2012), 211–221.
- [219] MACHIDA, H., PANTOVIĆ, J. and ROSENBERG, I. G., Regular sets of operations, *J. Mult.-Valued Logic Soft Comput.* **19** (2012), 149–162.
- [220] MACHIDA, H. and ROSENBERG, I. G., Centralizing monoids on a three-element set, *Proceedings: IEEE 42nd International Symposium on Multiple-Valued Logic*, IEEE, (Victoria, B.C., Canada, 2012), 274–280.
- [221] AMERI, R. and ROSENBERG, I. G., L-multialgebras and \mathbb{P} -fuzzy congruences of multialgebras, *J. Mult.-Valued Logic Soft Comput.*, **20** (2013) 239–253.

- [222] MACHIDA, H. and ROSENBERG, I. G., A study on essentially minimal clones, *Proceedings: IEEE 43rd International Symposium on Multiple-Valued Logic*, IEEE (Toyama, Japan, 2013), 117–122.
- [223] BOUDABBOUS, Y., ROSENBERG, I. G. and ZAGUIA, N., Preface, *in: Relational structures, ordered sets and graphs, European J. Combin.* **37** (2014), 1–3.
- [224] MAGNIFO, F. and ROSENBERG, I. G., Generalization of convolution and incidence algebras, *European J. Combin.* **37** (2014), 100–114.
- [225] MACHIDA, H. and ROSENBERG, I. G., Essentially minimal clones of rank 3 on a three-element set, *Proceedings: IEEE 44th International Symposium on Multiple-Valued Logic*, IEEE (Bremen, Germany, 2014), 97–102.
- [226] LEOREANU-FOTEA, V., ROSENBERG, I. G., DAVVAZ, B. and VOUGIOUKLIS, T., A new class of n -ary hyperoperations, *European J. Combin.* **44** Part B (2015), 265–273.
- [227] QIAN, W., RIEDEL, M. D. and ROSENBERG, I. G., Synthesizing cubes to satisfy a given intersection pattern, *Discrete Appl. Math.* **193** (2015), 11–38.
- [228] GOLDSTERN, M., MACHIDA, H. and ROSENBERG, I. G., Some classes of centralizing monoids on a three-element set, *Proceedings: IEEE 45th International Symposium on Multiple-Valued Logic*, IEEE (Waterloo, ON, Canada, 2015), 205–210.
- [229] COUCEIRO, M., HADDAD, L. and ROSENBERG, I. G., Partial clones containing all Boolean monotone self-dual partial functions, *J. Mult.-Valued Logic Soft Comput.* **27** (2016), 183–192.
- [230] MACHIDA, H. and ROSENBERG, I. G., Centralizing monoids on a three-element set related to binary idempotent functions, *Proceedings: IEEE 46th International Symposium on Multiple-Valued Logic*, IEEE (Sapporo, Japan, 2016), 84–89.
- [231] DELHOMMÉ, C., MIYAKAWA, M., POUZET, M., ROSENBERG, I. G. and TATSUMI, H., Semirigid systems of three equivalence relations, *J. Mult.-Valued Logic Soft Comput.* **28** (2017), 511–535.
- [232] MACHIDA, H. and ROSENBERG, I. G., Centralizing monoids and the arity of witnesses, *Proceedings: IEEE 47th International Symposium on Multiple-Valued Logic*, IEEE (Novi Sad, Serbia, 2017), 236–241.

- [233] MACHIDA, H. and ROSENBERG, I. G., Commutation for functions of small arity over a finite set, *Proceedings:IEEE 48th International Symposium on Multiple-Valued Logic*, IEEE (Linz, Austria, 2018), 85–90.
- [234] KABIL, M., POUZET, M. and ROSENBERG, I. G., Free monoids and generalized metric spaces, *European J. Combin.* **80** (2019), 339–360.
- [235] HOLEC, P., QIAN, W., RIEDEL, M. D. and ROSENBERG, I. G., Characterizing polynomial arithmetic with stochastic circuits, *J. Mult.-Valued Logic Soft Comput.* **44** (2025), 483–507.

Remark

1. Preprints are not included in the list.
2. We tried to make the list complete. However, we cannot exclude the possibility of having some publications hiding from our search.

Editors of the special issue

Benoit Larose
Hajime Machida
Reinhard Pöschel
Ágnes Szendrei

In collaboration with
Marc Riedel