Dragan Marušič, Bibliography: 1980–2013

[1] B. Alspach, M. D. E. Conder, D. Marušič and M.-Y. Xu, A classification of 2-arc-transitive circulants, *J. Algebraic Combin.* **5** (1996), 83–86.

[2] B. Alspach, D. Marušič and L. Nowitz, Constructing graphs which are 1/2-transitive, *J. Austral. Math. Soc. Ser. A* **56** (1994), 391–402.

[3] A. Araluze, I. Kovács, K. Kutnar, L. Martínez and D. Marušič, Partial sum quadruples and bi-Abelian digraphs, *J. Combin. Theory Ser. A* **119** (2012), 1811–1831.

[4] A. Araluze, K. Kutnar, L. Martínez and D. Marušič, Edge connectivity in difference graphs and some new constructions of partial sum families, *European J. Combin.* **32** (2011), 352–360.

[5] A. Blokhuis, G. Kiss, I. Kovács, A. Malnič, D. Marušič and J. Ruff, Semiovals contained in the union of three concurrent lines, *J. Combin. Des.* **15** (2007), 491–501.

[6] P. J. Cameron, M. Giudici, G. A. Jones, W. M. Kantor, M. H. Klin, D. Marušič and L. A. Nowitz, Transitive permutation groups without semiregular subgroups, *J. London Math. Soc. (2)* **66** (2002), 325–333.

[7] V. Carli, N. Jovanović, A. Podlesek, A. Roy, Z. Rihmer, S. Maggi, D. Marušič, C. Cesaro, A. Marušič and M. Sarchiapone, The role of impulsivity in self-mutilators, suicide ideators and suicide attempters: a study of 1265 male incarcerated individuals, *J. Affective Disord.* **123** (2010), 116–122.

[8] M. D. E. Conder, A. Malnič, D. Marušič, T. Pisanski and P. Potočnik, The edge-transitive but not vertex-transitive cubic graph on 112 vertices, *J. Graph Theory* **50** (2005), 25–42.

[9] M. D. E. Conder, A. Malnič, D. Marušič and P. Potočnik, A census of semisymmetric cubic graphs on up to 768 vertices, *J. Algebraic Combin.* **23** (2006), 255–294.

[10] M. D. E. Conder and D. Marušič, A tetravalent half-arc-transitive graph with non-abelian vertex stabilizer, *J. Combin. Theory Ser. B* **88** (2003), 67–76.

[11] E. Dobson, A. Malnič, D. Marušič and L. A. Nowitz, Minimal normal subgroups of transitive permutation groups of square-free degree, *Discrete Math.* **307** (2007), 373–385.

[12] E. Dobson, A. Malnič, D. Marušič and L. A. Nowitz, Semiregular automorphisms of vertex-transitive graphs of certain valencies, *J. Combin. Theory Ser. B* **97** (2007), 371–380.

[13] E. Dobson and D. Marušič, An unusual decomposition of a complete 7-partite graph of order 28, *Discrete Math.* **308** (2008), 4595–4598.

[14] E. Dobson and D. Marušič, On semiregular elements of solvable groups, *Comm. Algebra* **39** (2011), 1413–1426.

[15] S. Du, A. Malnič and D. Marušič, Classification of 2-arc-transitive dihedrants, *J. Combin. Theory Ser. B* **98** (2008), 1349–1372.

[16] S. Du and D. Marušič, Biprimitive graphs of smallest order, *J. Algebraic Combin.* **9** (1999), 151–156.

[17] S. Du and D. Marušič, An infinite family of biprimitive semisymmetric graphs, *J. Graph Theory* **32** (1999), 217–228.

[18] S. Du, D. Marušič and A. O. Waller, On 2-arc-transitive covers of complete graphs, *J. Combin. Theory Ser. B* **74** (1998), 276–290.

[19] T. Durkee, D. Marušič and V. Poštuvan, Prevalence of pathological internet use among adolescents in europe: demographic and social factors, *Addiction* **107** (2012), 2210–2222.

[20] Y.-Q. Feng, K. Kutnar, A. Malnič and D. Marušič, On 2-fold covers of graphs, *J. Combin. Theory Ser. B* **98** (2008), 324–341.

[21] H. H. Glover, K. Kutnar, A. Malnič and D. Marušič, Hamilton cycles in $(2, \mathrm{odd}, 3)$-Cayley graphs, *Proc. Lond. Math. Soc. (3)* **104** (2012), 1171–1197.

[22] H. H. Glover, K. Kutnar and D. Marušič, Hamiltonian cycles in cubic Cayley graphs: the $\langle 2, 4k, 3 \rangle$ case, *J. Algebraic Combin.* **30** (2009), 447–475.

[23] H. H. Glover and D. Marušič, Hamiltonicity of cubic Cayley graphs, *J. Eur. Math. Soc. (JEMS)* **9** (2007), 775–787.

[24] M. Hladnik, D. Marušič and T. Pisanski, Cyclic Haar graphs, *Discrete Math.* **244** (2002), 137–152, algebraic and topological methods in graph theory (Lake Bled, 1999).

[25] R. Jajcay, A. Malnič and D. Marušič, On the number of closed walks in vertex-transitive graphs, *Discrete Math.* **307** (2007), 484–493.

[26] G. Kiss, A. Malnič and D. Marušič, A new approach to arcs, *Acta Math. Hungar.* **84** (1999), 181–188.

[27] S. Klavžar, D. Marušič, B. Mohar and T. Pisanski, Preface [Algebraic and topological methods in graph theory], *Discrete Math.* **307** (2007), 299.

[28] S. Klavžar, D. Marušič, B. Mohar and T. Pisanski, Preface: Algebraic and topological graph theory (Bled'07), *Discrete Math.* **310** (2010), 1651–1652, held at Lake Bled, June 2007.

[29] I. Kovács, K. Kutnar and D. Marušič, Classification of edge-transitive rose window graphs, *J. Graph Theory* **65** (2010), 216–231.

[30] I. Kovács, K. Kutnar, D. Marušič and S. Wilson, Classification of cubic symmetric tricirculants, *Electron. J. Combin.* **19** (2012), Paper 24, 14.

[31] I. Kovács, A. Malnič, D. Marušič and Š. Miklavič, One-matching bi-Cayley graphs over abelian groups, *European J. Combin.* **30** (2009), 602–616.

[32] I. Kovács, D. Marušič and M. E. Muzychuk, Primitive bicirculant association schemes and a generalization of Wielandt's theorem, *Trans. Amer. Math. Soc.* **362** (2010), 3203–3221.

[33] I. Kovács, D. Marušič and M. E. Muzychuk, On dihedrants admitting arc-regular group actions, *J. Algebraic Combin.* **33** (2011), 409–426.

[34] I. Kovács, D. Marušič and M. E. Muzychuk, On G-arc-regular dihedrants and regular dihedral maps, *J. Algebraic Combin.* **38** (2013), 437–455.

[35] K. Kutnar, U. Borštnik, D. Marušič and D. Janežič, Interconnection networks for parallel molecular dynamics simulation based on hamiltonian cubic symmetric topology, *J. Math. Chem.* **45** (2009), 372–385.

[36] K. Kutnar, A. Malnič and D. Marušič, Chirality of toroidal molecular graphs, *J. Chem. Inf. Mod.* **45** (2005), 1527–1535.

[37] K. Kutnar, A. Malnič, D. Marušič and Š. Miklavič, Distance-balanced graphs: symmetry conditions, *Discrete Math.* **306** (2006), 1881–1894.

[38] K. Kutnar, A. Malnič, D. Marušič and Š. Miklavič, The strongly distance-balanced property of the generalized Petersen graphs, *Ars Math. Contemp.* **2** (2009), 41–47.

[39] K. Kutnar and D. Marušič, Hamiltonicity of vertex-transitive graphs of order $4p$, *European J. Combin.* **29** (2008), 423–438.

[40] K. Kutnar and D. Marušič, On cyclic edge-connectivity of fullerenes, *Discrete Appl. Math.* **156** (2008), 1661–1669.

[41] K. Kutnar and D. Marušič, Recent trends and future directions in vertex-transitive graphs, *Ars Math. Contemp.* **1** (2008), 112–125.

[42] K. Kutnar and D. Marušič, A complete classification of cubic symmetric graphs of girth 6, *J. Combin. Theory Ser. B* **99** (2009), 162–184.

[43] K. Kutnar and D. Marušič, Hamilton cycles and paths in vertex-transitive graphs—current directions, *Discrete Math.* **309** (2009), 5491–5500.

[44] K. Kutnar and D. Marušič, On certain graph theory application, *Lecture notes in economics and mathematical systems* **613** (2009), 283–291.

[45] K. Kutnar and D. Marušič, Some topics in graph theory, *Lecture notes in economics and mathematical systems* **613** (2009), 3–22.

[46] K. Kutnar, D. Marušič and D. Janežič, Fullerenes via their automorphism groups, *MATCH Commun. Math. Comput. Chem.* **63** (2010), 267–282.

[47] K. Kutnar, D. Marušič, Š. Miklavič and P. Šparl, Strongly regular tri-Cayley graphs, *European J. Combin.* **30** (2009), 822–832.

[48] K. Kutnar, D. Marušič, D. W. Morris, J. Morris and P. Šparl, Hamiltonian cycles in Cayley graphs whose order has few prime factors, *Ars Math. Contemp.* **5** (2012), 27–71.

[49] K. Kutnar, D. Marušič and P. Šparl, An infinite family of half-arc-transitive graphs with universal reachability relation, *European J. Combin.* **31** (2010), 1725–1734.

[50] K. Kutnar, D. Marušič and D. Vukičević, On decompositions of leapfrog fullerenes, *J. Math. Chem.* **45** (2009), 406–416.

[51] K. Kutnar, D. Marušič and C. Zhang, Hamilton paths in vertex-transitive graphs of order $10p$, *European J. Combin.* **33** (2012), 1043–1077.

[52] K. Kutnar, D. Marušič and C. Zhang, On cubic non-Cayley vertex-transitive graphs, *J. Graph Theory* **69** (2012), 77–95.

[53] C. Li, D. Marušič and J. Morris, Classifying arc-transitive circulants of square-free order, *J. Algebraic Combin.* **14** (2001), 145–151.

[54] C. H. Li, Z. P. Lu and D. Marušič, On primitive permutation groups with small suborbits and their orbital graphs, *J. Algebra* **279** (2004), 749–770.

[55] M. Lovrečič Sarazin and D. Marušič, Vertex-transitive expansions of $(1,3)$-trees, *Discrete Math.* **310** (2010), 1772–1782.

[56] A. Malnič and D. Marušič, Imprimitive groups and graph coverings, in: *Coding theory, design theory, group theory (Burlington, VT, 1990)*, Wiley, New York, Wiley-Intersci. Publ., pp. 227–235, 1993.

[57] A. Malnič and D. Marušič, Constructing 4-valent $\frac{1}{2}$-transitive graphs with a nonsolvable automorphism group, *J. Combin. Theory Ser. B* **75** (1999), 46–55.

[58] A. Malnič and D. Marušič, Constructing $\frac{1}{2}$-arc-transitive graphs of valency 4 and vertex stabilizer $Z_2 \times Z_2$, *Discrete Math.* **245** (2002), 203–216.

[59] A. Malnič, D. Marušič, Š. Miklavič and P. Potočnik, Semisymmetric elementary abelian covers of the Möbius-Kantor graph, *Discrete Math.* **307** (2007), 2156–2175.

[60] A. Malnič, D. Marušič, R. G. Möller, N. Seifter, V. Trofimov and B. Zgrablič, Highly arc transitive digraphs: reachability, topological groups, *European J. Combin.* **26** (2005), 19–28.

[61] A. Malnič, D. Marušič and P. Potočnik, Elementary abelian covers of graphs, *J. Algebraic Combin.* **20** (2004), 71–97.

[62] A. Malnič, D. Marušič and P. Potočnik, On cubic graphs admitting an edge-transitive solvable group, *J. Algebraic Combin.* **20** (2004), 99–113.

[63] A. Malnič, D. Marušič, P. Potočnik and C. Wang, An infinite family of cubic edge-but not vertex-transitive graphs, *Discrete Math.* **280** (2004), 133–148.

[64] A. Malnič, D. Marušič and N. Seifter, Constructing infinite one-regular graphs, *European J. Combin.* **20** (1999), 845–853.

[65] A. Malnič, D. Marušič, N. Seifter, P. Šparl and B. Zgrablič, Reachability relations in digraphs, *European J. Combin.* **29** (2008), 1566–1581.

[66] A. Malnič, D. Marušič, N. Seifter and B. Zgrablić, Highly arc-transitive digraphs with no homomorphism onto $\mathbb{Z}$, *Combinatorica* **22** (2002), 435–443.

[67] A. Malnič, D. Marušič and P. Šparl, On strongly regular bicirculants, *European J. Combin.* **28** (2007), 891–900.

[68] A. Malnič, D. Marušič, P. Šparl and B. Frelih, Symmetry structure of bicirculants, *Discrete Math.* **307** (2007), 409–414.

[69] A. Malnič, D. Marušič and C. Wang, Cubic edge-transitive graphs of order $2p^3$, *Discrete Math.* **274** (2004), 187–198.

[70] A. Marušič, K. Belšak and D. Marušič, Sensitization of emotions as a risk factor for ischemic heart disease, *Psychiatria Danub.* **20** (2008), 30–35.

[71] A. Marušič and D. Marušič, Suicidology - expanding its research tools, *Crisis* **23** (2002), 95–97.

[72] D. Marušič, Vertex minimal planar cyclic graphs, *Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz.* **1981** (1980), 161–169 (1981).

[73] D. Marušič, On vertex symmetric digraphs, *Discrete Math.* **36** (1981), 69–81.

[74] D. Marušič, Cayley properties of vertex symmetric graphs, *Ars Combin.* **16** (1983), 297–302.

[75] D. Marušič, Hamiltonian circuits in Cayley graphs, *Discrete Math.* **46** (1983), 49–54.

[76] D. Marušič, Some problems in vertex symmetric graphs, in: *Finite and infinite sets, Vol. I, II (Eger, 1981)*, North-Holland, Amsterdam, volume 37 of *Colloq. Math. Soc. János Bolyai*, pp. 581–589, 1984.

[77] D. Marušič, Vertex transitive graphs and digraphs of order p^k, in: *Cycles in graphs (Burnaby, B.C., 1982)*, North-Holland, Amsterdam, volume 115 of *North-Holland Math. Stud.*, pp. 115–128, 1985.

[78] D. Marušič, Hamiltonian cycles in vertex symmetric graphs of order $2p^2$, *Discrete Math.* **66** (1987), 169–174.

[79] D. Marušič, On vertex-transitive graphs of order qp, *J. Combin. Math. Combin. Comput.* **4** (1988), 97–114.

[80] D. Marušič, Research problems: Problem 92, problem 93, *Discrete Math.* **70** (1988), 215.

[81] D. Marušič, Strongly regular bicirculants and tricirculants, *Ars Combin.* **25** (1988), 11–15, eleventh British Combinatorial Conference (London, 1987).

[82] D. Marušič, Strong regularity and circulant graphs, *Discrete Math.* **78** (1989), 119–125.

[83] D. Marušič, Hamiltonicity of tree-like graphs, *Discrete Math.* **80** (1990), 167–173.

[84] D. Marušič, On tree-like cubic vertex-transitive graphs, *Ars Combin.* **29** (1990), 91–96, twelfth British Combinatorial Conference (Norwich, 1989).

[85] D. Marušič, The seven "weirdos", *Obzornik Mat. Fiz.* **37** (1990), 105–108.

[86] D. Marušič, Hamiltonicity of vertex-transitive pq-graphs, in: *Fourth Czechoslovakian Symposium on Combinatorics, Graphs and Complexity (Prachatice, 1990)*, North-Holland, Amsterdam, volume 51 of *Ann. Discrete Math.*, pp. 209–212, 1992.

[87] D. Marušič, Research problems: Problems 211-212, *Discrete Math.* **131** (1994), 397–398.

[88] D. Marušič, A family of one-regular graphs of valency 4, *European J. Combin.* **18** (1997), 59–64.

[89] D. Marušič, Half-transitive group actions on finite graphs of valency 4, *J. Combin. Theory Ser. B* **73** (1998), 41–76.

[90] D. Marušič, Recent developments in half-transitive graphs, *Discrete Math.* **182** (1998), 219–231, graph theory (Lake Bled, 1995).

[91] D. Marušič, Constructing cubic edge- but not vertex-transitive graphs, *J. Graph Theory* **35** (2000), 152–160.

[92] D. Marušič, In memoriam: some personal impressions of Crispin Nash-Williams, *Discrete Math.* **244** (2002), 2–4, algebraic and topological methods in graph theory (Lake Bled, 1999).

[93] D. Marušič, On 2-arc-transitivity of Cayley graphs, *J. Combin. Theory Ser. B* **87** (2003), 162–196, dedicated to Crispin St. J. A. Nash-Williams.

[94] D. Marušič, Quartic half-arc-transitive graphs with large vertex stabilizers, *Discrete Math.* **299** (2005), 180–193.

[95] D. Marušič, Corrigendum to: "On 2-arc-transitivity of Cayley graphs" [J. Combin. Theory Ser. B **87** (2003), no. 1, 162–196],(2006), 761–764.

[96] D. Marušič, Hamilton cycles and paths in fullerenes, *J. Chem. Inf. Mod.* **47** (2007), 732–736.

[97] D. Marušič, Preface: Special issue of discrete mathematics on Hamiltonicity problem for vertex-transitive (Cayley) graphs, *Discrete Math.* **309** (2009), 5425.

[98] D. Marušič and J. Morris, Normal circulant graphs with noncyclic regular subgroups, *J. Graph Theory* **50** (2005), 13–24.

[99] D. Marušič and R. Nedela, Maps and half-transitive graphs of valency 4, *European J. Combin.* **19** (1998), 345–354.

[100] D. Marušič and R. Nedela, On the point stabilizers of transitive groups with non-self-paired suborbits of length 2, *J. Group Theory* **4** (2001), 19–43.

[101] D. Marušič and R. Nedela, Partial line graph operator and half-arc-transitive group actions, *Math. Slovaca* **51** (2001), 241–257.

[102] D. Marušič and R. Nedela, Finite graphs of valency 4 and girth 4 admitting half-transitive group actions, *J. Aust. Math. Soc.* **73** (2002), 155–170.

[103] D. Marušič and T. D. Parsons, Hamiltonian paths in vertex-symmetric graphs of order $5p$, *Discrete Math.* **42** (1982), 227–242.

[104] D. Marušič and T. D. Parsons, Hamiltonian paths in vertex-symmetric graphs of order $4p$, *Discrete Math.* **43** (1983), 91–96.

[105] D. Marušič and T. Pisanski, Weakly flag-transitive configurations and half-arc-transitive graphs, *European J. Combin.* **20** (1999), 559–570.

[106] D. Marušič and T. Pisanski, The Gray graph revisited, *J. Graph Theory* **35** (2000), 1–7.

[107] D. Marušič and T. Pisanski, The remarkable generalized Petersen graph $G(8, 3)$, *Math. Slovaca* **50** (2000), 117–121.

[108] D. Marušič and T. Pisanski, Symmetries of hexagonal molecular graphs on the torus, *Croat. Chem. Acta* **73** (2000), 969–981.

[109] D. Marušič, T. Pisanski and S. Wilson, The genus of the GRAY graph is 7, *European J. Combin.* **26** (2005), 377–385.

[110] D. Marušič and P. Potočnik, Semisymmetry of generalized Folkman graphs, *European J. Combin.* **22** (2001), 333–349.

[111] D. Marušič and P. Potočnik, Bridging semisymmetric and half-arc-transitive actions on graphs, *European J. Combin.* **23** (2002), 719–732.

[112] D. Marušič and P. Potočnik, Classifying 2-arc-transitive graphs of order a product of two primes, *Discrete Math.* **244** (2002), 331–338, algebraic and topological methods in graph theory (Lake Bled, 1999).

[113] D. Marušič and C. E. Praeger, Tetravalent graphs admitting half-transitive group actions: alternating cycles, *J. Combin. Theory Ser. B* **75** (1999), 188–205.

[114] D. Marušič and R. Scapellato, Characterizing vertex-transitive pq-graphs with an imprimitive automorphism subgroup, *J. Graph Theory* **16** (1992), 375–387.

[115] D. Marušič and R. Scapellato, A class of non-Cayley vertex-transitive graphs associated with PSL$(2, p)$, *Discrete Math.* **109** (1992), 161–170, algebraic graph theory (Leibnitz, 1989).

[116] D. Marušič and R. Scapellato, Imprimitive representations of $\mathrm{SL}(2, 2^k)$, *J. Combin. Theory Ser. B* **58** (1993), 46–57.

[117] D. Marušič and R. Scapellato, A class of graphs arising from the action of $\mathrm{PSL}(2, q^2)$ on cosets of $\mathrm{PGL}(2, q)$, *Discrete Math.* **134** (1994), 99–110, algebraic and topological methods in graph theory (Lake Bled, 1991).

[118] D. Marušič and R. Scapellato, Classification of vertex-transitive pq-digraphs, *Istit. Lombardo Accad. Sci. Lett. Rend. A* **128** (1994), 31–36 (1995).

[119] D. Marušič and R. Scapellato, Classifying vertex-transitive graphs whose order is a product of two primes, *Combinatorica* **14** (1994), 187–201.

[120] D. Marušič and R. Scapellato, Permutation groups with conjugacy complete stabilizers, *Discrete Math.* **134** (1994), 93–98, algebraic and topological methods in graph theory (Lake Bled, 1991).

[121] D. Marušič and R. Scapellato, Permutation groups, vertex-transitive digraphs and semiregular automorphisms, *European J. Combin.* **19** (1998), 707–712.

[122] D. Marušič, R. Scapellato and N. Zagaglia Salvi, A characterization of particular symmetric $(0, 1)$ matrices, *Linear Algebra Appl.* **119** (1989), 153–162.

[123] D. Marušič, R. Scapellato and N. Zagaglia Salvi, Generalized Cayley graphs, *Discrete Math.* **102** (1992), 279–285.

[124] D. Marušič, R. Scapellato and B. Zgrablić, On quasiprimitive pqr-graphs, *Algebra Colloq.* **2** (1995), 295–314.

[125] D. Marušič and P. Šparl, On quartic half-arc-transitive metacirculants, *J. Algebraic Combin.* **28** (2008), 365–395.

[126] D. Marušič and A. O. Waller, Half-transitive graphs of valency 4 with prescribed attachment numbers, *J. Graph Theory* **34** (2000), 89–99.

[127] D. Marušič and M.-Y. Xu, A $\frac{1}{2}$-transitive graph of valency 4 with a nonsolvable group of automorphisms, *J. Graph Theory* **25** (1997), 133–138.

[128] T. Pisanski, M. Boben, D. Marušič, A. Orbanić and A. Graovac, The 10-cages and derived configurations, *Discrete Math.* **275** (2004), 265–276.

[129] R. Šćepanović, G. Ringel, D. Marušič, G. L. Chia and B. Alspach, Nonseparable graphs with a given number of cycles, *J. Graph Theory* **18** (1994), 777–789.

[130] D. Wasserman, V. Carli, C. Wasserman, A. Apter, J. Balazs, R. Bracale, R. Brunner, C. Bursztein-Lipsicas, P. Corcoran, D. Cosman, T. Durkee, D. Feldman, J. Gadoros, F. Guillemin, C. Haring, J.-P. Kahn, M. Kaess, H. Keeley, D. Marušič, B. Nemes, V. Poštuvan, S. Reiter-Theil, F. Resch, P. Sáiz, M. Sarchiapone, M. Sisask, A. Varnik and C. W. Hoven, Saving and empowering young lives in europe (seyle): a randomized controlled trial, *BMC Public Health* **10** (2010), 1–14.