

Publikačná činnosť prof. RNDr. Stanislava Jendroľa, DrSc.

záverečné práce (diplomová práca, dizertačná práca, habilitačná práca)

1. *Analógie Eberhardovej vety*, (diplomová práca v odbore Matematika), PF UPJŠ v Košiciach, 1971,
vedúci práce: doc. Dr. Ernest Jucovič, CSc.,
2. *O stenových vektoroch máp s trojvalentným grafom*, (kandidátska dizertačná práca v odbore Geometria a topológia), PF Univerzity Komenského v Bratislave, 1979. školiteľ: prof. Dr. Ernest Jucovič, DrSc., habilitačná.
3. *O stenových a vrcholových vektoroch konvexných mnohostenov*, (habilitačná práca v odbore Geometria a topológia), PF UPJŠ v Košiciach, 1982.
4. *Kombinatorické vlastnosti konvexných mnohostenov a polyedrálnych máp*. (doktorská DrSc. dizertačná práca v odbore Geometria a topológia), UPJŠ 1993, obhájená pred celoštátnou československou komisiou.

Pôvodné vedecké práce.

- [1] Jendroľ, S., Jucovič, E.: *On a conjecture by B. Grünbaum*, Discrete Math. 2 (1972), 35-49. ISSN: 0012-365X.
- [2] Jendroľ, S., Jucovič, E.: *On the Toroidal Analogue of Eberhard's Theorem*, Proceedings of the London Mathematical Society, 25, (1972), 385-398, ISSN 0024-6115
- [3] Jacoš V., Jendroľ S.: *On a problem concerning j -pancyclic graphs*, Mat. časopis 24 (1974), 259-262. MR 51# 12617
- [4] Jendroľ S.: *On the face-vector of a simple map*, Recent Advances in Graph Theory, Academia Prague, 1975, 311-314. MR 53#2726
- [5] Jendroľ S.: *On the non-existence of certain nearly regular planar maps with two exceptional faces*, Mat. časopis 25 (1975), 159-164. MR 52#13508
- [6] Jendroľ S.: *A new proof of Eberhard's theorem*, Acta F.R.N. Univ. Comen. Mathematica 31 (1975), 1-9. MR 52#6577
- [7] Jendroľ S.: *On the face-vectors and vertex-vectors of maps*, Colloq. Math. Soc. János Bolyai 18. Combinatorics, Keszthely (Hungary), 1976, 629-633.
- [8] Jendroľ S., Jucovič E.: *Generalization of a theorem by V. Eberhard*, Math. Slovaca 27 (1977), 383-407. MR 80k:57006
- [9] Jendroľ S., Jucovič E.: *On face vectors of maps with constant weight edges*, Graph Theory Newsletter, January 1980.
- [10] Jendroľ S., Ryjáček Z.: *3-polytopes of constant tolerance of edges*, Comment. Math. Univ. Carolin. 22 (1981), No. 4, 843-850. MR 83c:05001
- [11] Jendroľ S., Jucovič E.: *On face -vectors of maps with constant weight of edges*, Studia Sci. Math. Hungar. 17 (1982), 159-175. MR 85i:05090

- [12] Jendroľ S., Ščerbová M.: *On the crossing numbers of $S_m \times P_n$ and $S_m \times C_n$* , Časopis pest. mat. 107 (1982), 225-230. MR 84d:05074
- [13] Jendroľ S.: *On the face-vectors of trivalent convex polyhedra*, Math. Slovaca 33 (1983), 165-180. MR 85f:52018
- [14] Jendroľ S., Tkáč M.: *On the simplicial 3-polytopes with only two types of edges*, Teubner Texte zur Math. Leipzig 1983, 138-140.
- [15] Jendroľ S.: *On a problem of J Zaks concerning 5-valent 3-connected planar graphs*, Discrete Math. 50 (1984), 231-237. MR 86a:05042
- [16] Jendroľ S., Tkáč M.: *On the simplicial 3-polytopes with only two types of edges*, Discrete Math. 48 (1984), 229-241. MR 85j:05015
- [17] Jendroľ S.: *Konvexné mnohosteny s práve jedným typom hrán*, Mat. obzory 25 (1985) 75-82.
- [18] Jendroľ S.: *On face vectors of trivalent maps*, Math. Slovaca 36 (1986), 367-386. MR 88b: 52013
- [19] Jendroľ S.: *On 3-polytopal graphs with constant edge weight*, Colloq. Math. Soc. János Bolyai 52. Combinatorics, Eger (Hungary). 1987, North-Holland 1988, 563-570. MR 93m:05002
- [20] Jendroľ S., Mihók P.: *On a class of hamiltonian polytopes*, Discrete Math. 71 (1988), 233-241. MR 90c:05137
- [21] Jendroľ S., Bugata P., Horňák M.: *On graphs with given neighbourhoods*, Časopis pro pestování matematiky 114 (1989), 146-154. MR 91h:05102
- [22] Jendroľ S.: *A non-involutory selfduality*, Discrete Math. 74 (1989), 325-326. MR 90d:52006
- [23] Jendroľ S., Jucovič E.: *On quadrangular convex 3-polytopes with at most two types of edges*, Discrete Math. 78 (1989), 297-305. MR 91c:52016
- [24] Jendroľ S., Jucovič E., Trenkler M.: *Vertex-vectors of quadrangular 3-polytopes with two types of edges*, Combinatorics and Graph Theory, Banach centrum publ., vol. 25, PWN-Polish sc., Warsaw 1989, 93-111. MR 92a:52015
- [25] Jendroľ S., Kekeňák R.: *Longest circuits in triangular and quadrangular 3-polytopes with two types of edges*, Math. Slovaca 40 (1990), 341-357. MR 92m:05113
- [26] Jendroľ S., Tkáč M.: *Convex 3-polytopes with exactly two types of edges*, Discrete Math. 84 (1990), 143-160. MR 91k:52015
- [27] Ivančo J., Jendroľ S.: *On extremal problems concerning weights of edges of graph*, Coll. Math. Soc. J. Bolyai 60. Sets, Graphs and Numbers, Budapest 1991, North Holland 1992, 339-410. MR 94c:05041
- [28] Jendroľ S.: *On symmetry groups of selfdual convex polyhedra*, Fourth Czech. Symp. on Comb., Graphs and Compl., Elsevier Sc. Publ. 1992, Ann. Discrete Math. 51 (1992), 129-135. MR 93m:52015
- [29] Jendroľ S.: *On face-vectors and vertex-vectors of convex polyhedra*, Discrete Math. 118 (1993), 119-144. MR 94h:52017
- [30] Jendroľ S.: *On face-vectors and vertex-vectors of polyhedral maps on orientable 2-manifolds*, Math. Slovaca 43 (1993), 393-416. MR 94j:52032 ·

- [31] Ivančo J., Jendroľ S., Tkáč M.: *Note on Petrie and Hamiltonian cycles in cubic polyhedral graphs*, Comment. Math. Univ. Carolin. 35 (1994), No. 2, 413-416. MR 95e:05077
- [32] Jendroľ S.: *Convex 3-polytopes with constant edge weight*, Colloq. Math. Soc. János Bolyai 63. Intuitive Geometry, Szeged (Hungary), 1991, North-Holland, 1994, 173-179.
- [33] Jendroľ S.: *On face-vectors of 5-valent convex 3-polytopes*, J. Geom. 50 (1994), 100-110. MR 95c:52016
- [34] Jendroľ S., Horňák M.: *On some properties of 4-regular plane graphs*, J. Graph Theory 20 (1995), 163-175. MR 96j:05015
- [35] Jendroľ S., Owens P.: *Longest cycles in generalized Buckminsterfullerene graphs*, J. Math. Chem. 18 (1995), 83-90. MR 96j:92034
- [36] Jendroľ S., Owens P.: *Pentagonal 3-polytopal graphs with edges of only two types and shortness parameters*, Discrete Math. 137 (1995), 251-263. MR 96f:05103
- [37] Jendroľ S., Skupień Z.: W_p *cycles in plane graphs*, Geom. Dedicata 55 (1995), 293-303. MR 96c:05108
- [38] Jendroľ S., Tkáč M.: *The irregularity strength of tK_p* , Discrete Math. 145 (1995), 301-305. MR 96f:05103
- [39] Jendroľ S., Žoldák V.: *The irregularity strength of generalized Petersen graphs*, Math. Slovaca 45 (1995), 107-113. MR 96g:05077
- [40] Fabrici I., Jendroľ S.: *An inequality concerning edges of minor weight in convex 3-polytopes*, Discuss. Math. Graph Theory 16 (1996), 81-87. MR 97m:05078
- [41] Horňák M., Jendroľ S.: *Unavoidable sets of face types for planar maps*, Discuss. Math. Graph Theory 16 (1996), 123-141. MR 98d:05044
- [42] Jendroľ S., Madaras T.: *On light subgraphs in plane graphs of minimum degree five*, Discuss. Math. Graph Theory 16 (1996), 207-217. MR 98a:05123
- [43] Jendroľ S., Tkáč M., Tuza Zs.: *The irregularity strength and cost of the union of cliques*, Discrete Math. 150 (1996), 179-186. MR 97c:05088
- [44] Akka D. G., Jendroľ S., Klešč M., Panshetty S. V.: *On line graphs with crossing number 2*, Univ. Beograd Publ. Elektrotech. Fak. Ser. Mat. 8 (1997), 3-8. MR 98k:05049
- [45] Fabrici J., Jendroľ S.: *Subgraphs with restricted degrees of their vertices in planar 3-connected graphs*, Graphs Combin. 13 (1997), 245-250. MR 98h:05112
- [46] Horňák M., Jendroľ S.: *On the d -distance face chromatic number of plane graphs*, Discrete Math. 164 (1997), 171-174. MR 97i:05047
- [47] Jendroľ S.: *A structural property of convex 3-polytope*, Geom. Dedicata 68 (1997), 91-99. MR 99b:52021
- [48] Jendroľ S., Nedela R., Škoviera M.: *Constructing regular maps and graphs from planar quotients*, Math. Slovaca 47 (1997), No. 2, 155-170. MR 99h:05054
- [49] Jendroľ S., Servatius B., Servatius H.: *A note on the rank of self-dual polyhedra*, Math. Slovaca 47 (1997), No. 2, 171-174. MR 98j:05058
- [50] Jendroľ S., Skupień Z.: *Exact numbers of longest cycles with the empty intersection*, European J. Combin. 18 (1997), 575-578. MR 98c:05096

- [51] Fabrici I., Jendroř S.: *Subgraphs with restricted degrees of their vertices in planar graphs*, Discrete Math. 191 (1998), 83-90. MR 99d:05045
- [52] Jendroř S.: *Light paths in 3-connected planar graphs (Problem 294)*, Discrete Math. 191 (1998), 248.
- [53] Jendroř S., Voss H.-J.: *Light paths with an odd number of vertices in large polyhedral maps*, Ann. Comb. 2 (1998), 313-324. MR 2001j:05048
- [54] Harant J., Jendroř S., Tkáč M.: *On 3-connected plane graphs without triangular faces*, J. Combin. Theory Ser. B 77 (1999), 150-161. MR 2001d:05043
- [55] Horňák M., Jendroř S.: *On a conjecture by Plummer and Toft*, J. Graph Theory 30(1999), 177-189. MR 2000a:05078
- [56] Ivančo J., Jendroř S.: *On an Eberhard-type problems in cubic polyhedral graphs having Petrie and Hamiltonian cycles*, Tatra Mt. Math. Publ. 18 (1999), 57-62. MR 2000h:05143
- [57] Jendroř S.: *Paths with restricted degrees of their vertices in planar graphs*, Czechoslovak Math. J. 49 (124) (1999), 481-490. MR 2000e:05097
- [58] Jendroř S.: *Triangles with restricted degrees of their boundary vertices in plane triangulations*, Discrete Math. 196 (1999), 177-196. MR 99k:05065
- [59] Jendroř S.: *A short proof of Kotzig's theorem on minimal weights of convex 3-polytopes*, Proceedings of the Int. Scient. Conf. of Mathematics, Žilina 1998 (V. Bálint ed), EDIS Univ. publ. Žilina 1999, pp. 35-38.
- [60] Jendroř S., Madaras T., Soták R., Tuza Z.: *On light cycles in plane triangulations*, Discrete Math. 197/198 (1999), 453-467. MR 99j:05055
- [61] Jendroř S., Skupieř Z.: *Hamiltonian planar cubic graphs* (in Research problem, Problem 315). Discrete Math. 1971198 (1999), 799-812.
- [62] Jendroř S., Voss H. J.: *A local property of large polyhedral maps on compact 2-dimensional manifolds*, Graphs Combin. 15 (1999), 303-313. MR 2001d:05045
- [63] Jendroř S., Voss H. J.: *Subgraphs with restricted degrees of their vertices in large polyhedral maps on compact 2-manifolds*, European J. Combin. 20 (1999), 821-832. MR 2001b:05067
- [64] Fabrici I., Hexel E., Jendroř S., Walther H.: *On vertex degree restricted paths in polyhedral graphs*, Discrete Math. 212 (2000), 61-73. MR 2000k:05159
- [65] Horňák M., Jendroř S.: *On vertex types and cyclic colorings of 3-connected plane graphs*, Discrete Math. 212 (2000), 101-109. MR 2001b:05082
- [66] Jendroř S., Voss H. J.: *A focal property of polyhedral maps on compact 2-dimensional manifolds*, Discrete Math. 212 (2000), 111-120. MR 2000m:05074
- [67] Jendroř S., Voss H. J.: *Light paths with an odd number of vertices in polyhedral maps*, Czechoslovak Math. J., 50 (125) (2000), 555-564. MR 2001f:05057
- [68] Enomoto H., Horňák M., Jendroř S.: *Cyclic chromatic number of 3-connected plane graphs*. SIAM J. Discrete Math. 14 (2001), 121-137. MR 2002a:05097
- [69] Harant J., Jendroř S., Randerath B., Ryjáček Z., Schiermeyer I., Voigt M.: *On weights of induced paths and cycles in claw-free and $K_{1,r}$ -free graphs*, J. Graph Theory 36 (2001), 131-143. MR 2002k:05131

- [70] Jendroľ S.: *Seven problems*, Proceedings of the twelfth Australasian workshop on Combinatorial Algorithms (Edy Tri Baskoro editor), Lembang (Indonesia), July 14-17, 2001. The Department of Mathematics, Institut Teknologi Bandung, Indonesia, 2001, pp. 1-4
- [71] Jendroľ S., Klešč M.: *On graphs whose line graphs have crossing number one*, J. Graph Theory 37 (2001), 181-188. MR 2002f:05063
- [72] Jendroľ S., Owens P. J.: *On light graphs in 3-connected plane graphs without triangular or quadrangular faces*, Graphs Combin. 17 (2001), 659-680. MR 2002j:05046
- [73] Jendroľ S., Schiermeyer 1.: *On max-min problem concerning weights of edges*, Combinatorica 21 (2001), 351-359. MR 2002f:05094
- [74] Jendroľ S., Skupień Z.: *Local structures in plane maps and distance colorings*, Discrete Math. 236 (2001), 167-177. MR 2002a:05102
- [75] Jendroľ S., Trenkler M.: *More icosahedral fullerooids*, J. Math. Chem. 29 (2001), 235-243. MR 2002g:05099
- [76] Jendroľ S., Voss H. J.: *Light subgraphs of multigraphs on compact 2-dimensional manifolds*, Discrete Math. 233 (2001), 329-351. MR 2002a:05079
- [77] Jendroľ S., Voss H. J.: *Subgraphs with restricted degrees of their vertices in polyhedral maps on compact 2-manifolds*, Ann. Comb. 5(2001), 211-226. MR2003b: 05056
- [78] Jendroľ S., Voss, H. J.: *Light subgraphs of graphs embedded in 2-dimensional manifolds of Euler characteristic ≤ 0* , A survey, in P. Erdős and his Mathematics II. (G. Halász, L. Lovász, M. Simonovits, V. T. Sós, Eds.), János Bolyai Society Mathematical Studies, Vol. 11 Springer, Budapest, 2002, pp. 375-411. MR 2004d:05060
- [79] Jendroľ S., Voss H.-J.: *Light paths in large polyhedral maps with prescribed minimum degree*, Australasian J. Combin. 25 (2002), 79-102 (also in Electronic Notes in Discrete Math. Vol. 11 (2002). MR 2003b:05057
- [80] Jendroľ S., Voss H.-J.: *The cycle C_5 is light in large maps of minimum degree 5 on compact 2-manifolds*, Bu l. Acad. de Ştiinţe Repub. Mold. Mat. 40 (2002), No. 3, 106-124. MR 2004e:05057
- [81] Jendroľ S., Tuhársky M., Voss H.-J.: *A Kotzig type theorem for large maps on surfaces*, Tatra Mt. Math. Publ. 27 (2003), 153-162.
- [82] Jendroľ S., Voss H.-J.: *Light subgraphs of order 4 in large maps of minimum degree 5 on compact 2-manifolds*, Australas. J. Combin. 28 (2003), 171-200.
- [83] Bača M., Baskoro E. T., Jendroľ S., Miller M.: *Antimagic labelings of hexagonal planar maps*, Util. Math. 66 (2004), 231-238.
- [84] Bača M., Jendroľ S., Miller M., Ryan J.: *Antimagic labelling of generalized Petersen graphs that are plane*, Ars Combin. 73 (2004), 115-128.
- [85] Jendroľ S., Voss H.-J.: *Light classes of generalized stars in polyhedral maps on surfaces*, Discuss. Math. Graph Theory 24 (2004), 85-107.
- [86] Bača M., Baskoro E. T., Cholily Y. M., Jendroľ S., Lin Y., Milier M., Ryan J., Simanjuntak R., Slamın J., Sugeng K. A.: *Conjectures and open problems on face antimagic evaluations of graphs*, J. Indonesian Math. Soc. (MIHM) 11 (2005), 175-192.

- [87] Jacko P., Jendroľ S.: *Distance coloring of the hexagonal lattice*, Discuss. Math. Graph Theory 25 (2005), 151-166.
- [88] Jendroľ S., Madaras T.: *Note on an existence of small degree vertices with at most one big degree neighbour in planar graphs*, Tatra Mt. Math. Publ. 30 (2005), 149-153.
- [89] Jendroľ S., Voss H. J.: *Two focal and one global properties of 3-connected graphs on compact 2-dimensional manifolds*, J. Combin. Theory Ser. B 93 (2005), 1-21.
- [90] Jendroľ S., Voss H. J.: *Light subgraphs of order ≤ 3 in large maps of minimum degree 5 on compact 2-manifolds*, European J. Combin. 26 (2005), 457-471.
- [91] Wijaya K., Slamın J., Surahmat, Jendroľ S.: *Total vertex irregular labeling of complete bipartite graphs*, J. Combin. Math. Combin. Comput. 55 (2005), 129-136.
- [92] Jendroľ S.: *Subgraphs of low weight in plane graphs*, Japan Workshop on Graph Theory and Combinatorics, June 20-24, 2005, Yokohama, Japan, 2005, 1-8.
- [93] Borowiecki M., Jendroľ S., Kráľ D., Miškuf J.: *List colouring of Cartesian products of graphs*, Discrete Math. 306 (2006), 1955-1958.
- [94] Ivančo J., Jendroľ S.: *Total edge irregularity strength of trees*, Discuss. Math. Graph Theory, 26 (2006), 449-456.
- [95] Jendroľ S.: *Rainbowness of cubic plane graphs*, Discrete Math. 306 (2006), 3321-3326.
- [96] Jendroľ S., Tuhársky M.: *A Kotzig type theorem for non orientable surfaces*, Math. Slovaca 56 (2006), 245-253.
- [97] Bača M., Jendroľ S., Miller M., Ryan J.: *On irregular total labellings*, Discrete Math. 307 (2007), 1378-1388.
- [98] Egawa Y., Enomoto H., Jendroľ S., Ota K., Schiermeyer I.: *Independence number and vertex-disjoint cycles*, Discrete Math. 307 (2007), 1493-1498.
- [99] Harant J., Jendroľ S.: *On the existence of specific stars in planar graphs*, Graphs Combin. 23 (2007), 529-543.
- [100] Jendroľ S.: *Rainbowness of plane graphs*, Electronic Notes in Discrete Math. 28 (2007), 125-129.
- [101] Jendroľ S., Kardoš F.: *On octahedral fulleroids*, Discrete Appl. Math. 155 (2007), 2181-2186.
- [102] Jendroľ S., Miškuf J.: *On total edge irregularity strength of the grid*, Tatra Mt. Math. Publ. 36 (2007), 147-151.
- [103] Jendroľ S., Miškuf J., Soták R.: *Total edge irregularity strength of complete graphs and complete bipartite graphs*, Electron. Notes Discrete Math. 28 (2007), 281-285.
- [104] Fabrici I., Harant J., Jendroľ S.: *Paths of low weight in planar graphs*, Discuss. Math. Graph Theory 28 (2008), 121-135.
- [105] Harant J., Jendroľ S., Walther H.: *On long cycles through four prescribed vertices of a polyhedral graph*, Discuss. Math. Graph Theory 28 (2008), 441-451.
- [106] Jendroľ S., Schrotter Š.: *On rainbowness of semiregular polyhedra*, Czechoslovak Math. J. 58 (2008), 359-380.

- [107] Jendroř S.: *Paths of low weight and connectivity in planar graphs*, Proceedings of Midsummer Combinatorial Workshop 2008, KAM-DIMATIA Series, Charles University Prague, 2009-916, pp. 34-37.
- [108] Czap J., Jendroř S.: *Colouring vertices of plane graphs under restrictions given by faces*, Discuss. Math. Graph Theory 29 (2009), 521-543.
- [109] Dvořák Z., Jendroř S., Král D., Pap G.: *Matchings and non-rainbow colorings*, SIAM J. Discrete Math. 23 (2009), 344-348.
- [110] Jendroř S., Miřkuf J., Soták R., Škrabuřáková E.: *Rainbow faces in edge colored plane graphs*, J. Graph Theory 62 (2009), 84-99.
- [111] Jendroř S.: *Total labellings, irregularity strengths and colourings*, AKCE Int. J. Graphs Comb. 6 (2009), 219-227.
- [112] Jendroř S., Škrabuřáková E.: *Facial non-repetitive edge-colouring of semiregular polyhedra*, Acta Univ. M. Belii Ser. Math. 15 (2009), 37-52.
- [113] Jendroř S., Kardoř F.: *Symmetry of fullerenes*, in Handbook of Nanophysics (K. D. Sattler, Ed.), Taylor & Francis Publishers (CRC Press), Boca Raton 2010, Chapter 28, pp. 1-13.
- [114] Jendroř S., Miřkuf J., Soták R.: *Total edge irregularity strength of complete graphs and complete bipartite graphs*, Discrete Math. 310 (2010), 400-407.
- [115] Borowiecki P., Budajová K., Jendroř S., Krajči S.: *Parity vertex colouring of graphs*, Discuss. Math. Graph Theory 31 (2011), 183-195.
- [116] Czap J., Jendroř S., Kardoř F.: *Facial parity edge colouring*, Ars Math. Contemp. 4 (2011), 255-269.
- [117] Czap J., Jendroř S., Kardoř F.: *On the strong parity chromatic number*, Discuss. Math. Graph Theory 31 (2011), 587-600.
- [118] Czap J., Jendroř S., Voigt M.: *Parity vertex colouring of plane graphs*, Discrete Math. 311 (2011), 512-520.
- [119] Czap J., Jendroř S., Kardoř F., Miřkuf J.: *Looseness of plane graphs*, Graphs Combin. 27 (2011), 73-85.
- [120] Harant J., Jendroř S., Madaras T.: *Upper bounds on the sum of powers of the degrees of simple planar graphs*, J. Graph Theory 67 (2011), 112-123.
- [121] Harant J., Jendroř S.: *Facial non-repetitive vertex colouring of some families of 2-connected plane graphs*, Technische universität Ilmenau, Fakultät für Mathematik und Naturwissenschaften, Preprint No. M4/11.
- [122] Havet F., Jendroř S., Soták R., Škrabuřáková E.: *Facial non-repetitive edge-colouring of plane graphs*, J. Graph Theory 66 (2011), 38-48.
- [123] Czap J., Jendroř S., Kardoř F., Soták R.: *Facial parity edge colouring of plane pseudo-graphs*, Discrete Math. 312 (2012), 2735-2740.
- [124] Harant J., Jendroř S.: *Nonrepetitive vertex colorings of graphs*, Discrete Math. 312 (2012), 374-380.
- [125] Jendroř S., Kaiser T., Ryjáček Z., Schiermeyer I.: *A Dirac theorem for trestles*, Discrete Math. 312 (2012), 2000-2004.

- [126] Fabrici I., Hexel E., Jendroř S.: *On vertices enforcing a hamiltonian cycle*, Discuss. Math. Graph Theory 33 (2013), 71-89.
- [127] Horňák M., Jendroř S., Schiermeyer I.: *On maximum weight of a bipartite graph of given order and size*, Discuss. Math. Graph Theory 33 (2013), 147-165.
- [128] Jendroř S., Voss, H. J.: *Light subgraphs of graphs embedded in the plane - A survey*, Discrete Math. 313 (2013), 406-421.
- [129] Fabrici I., Harant J., Jendroř S., Soták R.: *A note on vertex colourings of plane graphs*, Discuss. Math. Graph Theory 34 (2014), 849-855.
- [130] Jendroř S., Šugerek P.: *A note on face colouring entire weightings of plane graphs*, Discuss. Math. Graph Theory 34 (2014), 421-426.
- [131] Jendroř S., Schiermeyer I., Tu J.: *Rainbow numbers for matchings in plane triangulations*, Discrete Math. 331 (2014), 158-164.
- [132] Bača M., Jendroř S., Kathiresan K. M., Muthugurupackiam K.: *Entire labeling of plane graphs*, Appl. Math. Inf. Sci. 9 (2015), 263-267.
- [133] Bača M., Jendroř S., Kathiresan K. M., Muthugurupackiam K., Semaničová-Feňovčíková A.: *A survey of irregularity strength*, Electron. Notes Discrete Math. 48 (2015), 19-26.
- [134] Czap J., Jendroř S.: *Facial edge ranking of plane graphs*, Discrete Appl. Math. 194 (2015), 60-64.
- [135] Fabrici I., Jendroř S., Vrbjarová M.: *Unique-maximum edge-coloring of plane graphs with respect to faces*, Discrete Appl. Math. 185 (2015), 239-243.
- [136] Horňák M., Jendroř S., Schiermeyer I., Soták R.: *Rainbow numbers for cycles in plane triangulations*, 1. Graph Theory 78 (2015), 248-257.
- [137] Jendroř S., Maceková M.: *Describing short paths in plane graphs of girth at least 5*, Discrete Math. 338 (2015), 149-158.
- [138] Jendroř S., Maceková M., Soták R.: *Note on 3-paths in plane graphs of girth 4*, Discrete Math. 338 (2015), 1643-1648.
- [139] Czap J., Jendroř S.: *Facial packing edge-colouring of plane graphs*, Discrete Appl. Math. 213 (2016), 71-75.
- [140] Fabrici I., Harant J., Jendroř S.: *On longest cycles in essentially 4-connected graphs*, Discuss. Math. Graph Theory 36 (2016), 565-575.
- [141] Fabrici I., Jendroř S., Vrbjarová M.: *Facial entire colouring of plane graphs*, Discrete Math. 339 (2016), 626-631.
- [142] Fabrici I., Jendroř S., Voigt M.: *Facial list colourings of plane graphs*, Discrete Math. 339 (2016), 2826-2831.
- [143] Harant J., Fabrici I., Jendroř S.: *On longest cycles in essentially 4-connected planar graphs*, Electron. Notes Discrete Math. 55 (2016), 143-146.
- [144] Horňák M., Jendroř S., Schiermeyer I.: *On the maximum weight of a dense connected graph of given order and size*, Discrete Math. 339 (2016), 1978-1984.
- [145] Horňák M., Jendroř S., Schiermeyer I.: *On the maximum weight of a sparse connected graph of given order and size*, Graphs Combin. 32 (2016), 997-1012.

- [146] Jendroř S., Vrbjarová M.: *Maximum edge-colorings of graphs*, Discuss. Math. Graph Theory 36 (2016), 117-125.
- [147] Jendroř S., Maceková M., Montassier, Soták R.: *Optimal unavoidable sets of types of 3-paths for planar graphs of given girth*, Discrete Math. 339 (2016), 780-789.
- [148] Jendroř S., Maceková M., Montassier, Soták R.: *3-paths in graphs with bounded average degree*, Discuss. Math. Graph Theory 36 (2016), 339-353.
- [149] Bača M., Jendroř S.: *Colourings of graphs by labellings*, Electron. Notes Discrete Math. 60 (2017), 25-31.
- [150] Bača M., Baskom E.T., Brankovic L., Jendroř S., Lin Y., Phanalasy O., Ryan J., Semaničová-Feňovčíková A., Slamín J., Sugeng K. A.: *A survey of face-antimagic evaluation of graphs*, Australas. J. Combin. 69 (2017), no.3, 382-393.
- [151] Czap J., Jendroř S.: *Facially-constrained colorings of plane graphs: A survey*, Discrete Math. 340 (2017), 2691-2703.
- [152] Czap J., Jendroř S., Soták R.: *Facial anagram-free edge-coloring of plane graphs*, Discrete Appl. Math. 230 (2017), 151-155.
- [153] Czap J., Jendroř S., Valiska J.: *WORM colorings of planar graphs*, Discuss. Math. Graph Theory 37 (2017), 353-368.
- [154] Jendroř S., Kekeňáková L.: *Facial rainbow colorings of trees*, Australas. J. Combin. 69 (2017), no.3, 358-367.
- [155] Brause Ch., Jendroř S., Schiermeyer I.: *Odd connection and odd vertex-connection of graphs*, Discrete Math. 341 (2018), 3500-3512.
- [156] Czap J., Jendroř S., Valiska J.: *Conflict free connection of graphs*, Discuss. Math. Graph Theory 38 (2018), 911-920.
- [157] Czap J., Jendroř S., Valiska J.: *Facial $L(2,1)$ -edge-labeling of trees*, Discrete Appl. Math. 247 (2018), 357-366.
- [158] Czap J., Jendroř S., Voigt M.: *Zig-zag facial total-coloring of plane graphs*, Opuscula Mathematica, 38 (2018), 819-827.
- [159] Jendroř S.: *Facial rainbow edge-coloring of plane graphs*, Graphs Combin. 34 (2018), 669-676.
- [160] Chang H., Duy Doan T., Huang Z., Jendroř S., Li X., Schiermeyer I.: *Graphs with conflict-free connection number two*, Graphs Combin. 34 (2018), 1553-1563.
- [161] Horňák M., Jendroř S., Soták R.: *Facial incidence colorings of embedded multigraphs*, Discuss. Math. Graph Theory 39 (2019), 81-93.
- [162] Czap J., Jendroř S., Šugerek P., Valiska J.: *Facial packing vertex-coloring of subdivision of plane graphs*, Discrete Appl. Math. 257 (2019), 95-100.
- [163] Czap J., Jendroř S.: *Facial colorings of plane graphs*, Journal of Interconnection Network, Volume 19, No. 1 (2019), 1940003 (20 pages).
- [164] Czap J., Jendroř S., Šugerek P., Valiska J.: *Facial $[r,s,t]$ -coloring of plane graphs*, Discuss. Math. Graph Theory 39 (2019), 629-645.
- [165] Jendroř S., Kekeňáková L.: *Facial rainbow colorings of plane graphs*, Discuss. Math. Graph Theory, 39 (2019), 889-897.

- [166] Harant J., Jendroř S.: *Lightweight path in graphs*, Opuscula Mathematica 39 (2019), 829-837.
- [167] Czap J., Jendroř S., Valiska J.: *Edge-coloring of plane graphs with many colors on faces*, Acta Math. Univ. Comenianae 88 (2019), 573-576.
- [168] Jendroř S., *On rainbow matchings in plane triangulations*, Discrete Math. 342 (2019), 111624.
- [169] Jendroř S. Li X., Mao Y., Zhang Y., Zhao H., Zhu X.: *Conflict-free vertex connection of graphs*, Discuss. Math. Graph Theory 40 (2020), 51-65 .
- [170] Czap J., Jendroř S., Valiska J.: *Edge-coloring of plane graphs with many colors on facial cycles*, Discrete Appl. Math., 282 (2020), 80-85 .
- [171] Bujtás Cs., Jendroř S., Tuza Zs.: *On specific factors in graphs*, Graphs Combin. 36 (2020), 1391-1399.
- [172] Bujtás Cs., Jendroř S., Tuza Zs.: *On caterpillar factors in graphs*, Theoretical Computer Science 846 (2020), 82-90.
- [173] Jendroř S., Soták R.: *On the cyclic coloring conjecture*. Discrete Math., 344 (2021) 112204.
- [174] Czap J., Horňák M., Jendroř S.: *A survey on the cyclic coloring and its relaxations*. Discuss. Math. Graph Theory 41 (2021), 5-38.
- [175] Czap J., Fabrici I., Jendroř S.: *Colorings of plane graphs without long monochromatic facial paths*, Discuss. Math. Graph Theory, 41 (2021), 801-808.
- [176] Brause Ch., Jendroř S., Schiermeyer I.: *From colourful to rainbow paths in graphs: Colouring vertices*, Graphs Comb. (submitted)
- [177] Brause Ch., Jendroř S., Schiermeyer I.: *Loose connections of graphs*, Discrete Math. (submitted).
- [178] Czap J., Jendroř S., Madaras T.: *Facial visibility in edge colored plane graphs*, Graphs Combin. (submitted)
- [179] Grytczuk J., Jendroř S., Zajac M.: *Graph polynomials and paintability of plane graphs*, J. Graph Theory (submitted).
- [180] Jendroř S., Madaras T.: *Strong incidence colouring of semiregular planar graphs*, Discrete Appl. Math. (submitted).

V Kořiciach, 20. marca 2021.