

Zdzisław Skupień

Publications

(**P**: problem; **PS**: solution; **PA**: abstract; **PR**: review; **T**: translation; **E**: editing)

1. Z. Skupień, O rozwiązywaniu zadań ekstremalnych (Polish, Eng. summary, On solving extremal problems), Zesz. Nauk. AGH, Nr 59, Zagadn. Techn.-Ekonom. z. 2 (1963) 113–127.
2. (**PS**) Rozwiązania zadań konkursowych:
 01. Rozw. 689. Potęga właściwa (Podał W.S.), Matematyka, Rok 17, Nr 77 4(83) (1964) 191;
 02. Uwaga (uogólnienie:) 707. Szachownica i domino (A.M.), Matematyka, Rok 18, Nr 3(87) (1965) 140;
 03. Rozw. 730. Sieć drogowa (H.St.), Matematyka, Rok 19, Nr 1(90) (1966) 47; cytow. w: Matematyka, Rok 19, Nr 2(91) (1966) 93;
 04. Rozw. 772. Liczby nieparzyste (W.S.), Matematyka, Rok 21, Nr 4(102) (1968) 188;
 05. Rozw. 797. Nieskończenie liczb (W.S.), Matematyka, Rok 23, Nr 4(109) (1970) 251.
3. Z. Skupień, On the problem of coefficients of univalent functions, Zesz. Nauk. UJ, Prace Mat. z.10 (1965) 89–91.
4. Z. Skupień, Locally Hamiltonian graphs and Kuratowski theorem, Bull. Acad. Polon. Sci., Ser. Sci. Math. Astr. Phys. 13 (1965) 615–619.
5. Z. Skupień, Locally Hamiltonian and planar graphs, Fund. Math. 58 (1966) 193–200.
6. Z. Skupień, O ciągłości pewnych funkcji ekstremalnych (Polish, Eng. summary, On the continuity of some extremal functions), Zesz. Nauk. AGH, Nr 109, Elektr. Mech. Gór. Hut. z. 14 (1966) 11–19.
7. Z. Skupień, O ekstremalnych równaniach funkcyjnych (Polish, Eng. summary, On extremal functional equations), Zesz. Nauk. AGH, Nr 114, Elektr. Mech. Gór. Hut. z. 15 (1966) 9–26.
8. M. Malec, Z. Skupień; Pewne własności grafów płaskich (Polish, Eng. summary, Some properties of planar graphs), Zesz. Nauk. AGH, Nr 114, Elektr. Mech. Gór. Hut. z. 15 (1966) 65–81.
9. Z. Skupień, On the locally Hamiltonian graphs and Kuratowski's theorem, Roczniki PTM, Prace Mat. 11 (1968) 255–264.
10. M. Malec and Z. Skupień, On the maximal planar graphs and the four colour problem, Roczniki PTM, Prace Mat. 12 (1969) 205–209.
11. Z. Skupień, Problemy i twierdzenia dotyczące grafów lokalnie hamiltonowskich (Polish, Eng. summary, Problems and theorems on the locally Hamiltonian graphs), Zesz. Nauk. AGH, Nr 208, Mat-Fiz-Chem. z. 2 (1969) 23–30. (Zb1.192,607)

12. Z. Skupień, A.P. Wojda, Sufficient conditions for λ -edge Hamiltonian graphs, *Bull. Acad. Polon. Sci., Ser. Sci. Math. Astr. Phys.* 19 (1971) 391–396.
13. Z. Skupień, Sufficient conditions for Hamiltonian graphs, *Bull. Acad. Polon. Sci., Ser. Sci. Math. Astr. Phys.* 19 (1971) 901–905.
14. **(T1)** (M. Malec and Z. Skupień, transl.) B.P. Demidowicz, *Matematyczna teoria stabilności*, WNT, Warszawa, 1972, 556 pp.
(Original: B.P. Demidovich, *Lectures on Mathematical Stability Theory* [Russian], Nauka, Moscow, 1967, 472 pp.).
15. Z. Skupień, A short proof of the theorem on the structure of maximal graphs without 1-factors, *Prace Nauk. Inst. Mat. Fiz. Teoret. Politechniki Wrocław., Nr 9, Ser. Studia i Mater. Nr 9, Grafy i hipergrafy* (1973) 9–14.
16. A. Marczyk and Z. Skupień, Characterizing line graphs of general graphs, *Bull. Acad. Polon. Sci., Ser. Sci. Math., Astr. Phys.* 22 (1974) 235–241.
17. Z. Skupień and A.P. Wojda, On highly Hamiltonian graphs, *Bull. Acad. Polon. Sci., Ser. Sci. Math., Astr. Phys.* 22 (1974) 463–471.
18. Z. Skupień, Hamiltonian circuits and path coverings of vertices in graphs, *Colloq. Math.* 30 (1974) 295–316.
19. Z. Skupień, Partitions and counting isomorphism types of certain maximal graphs without 1-factors, *Demonstratio Math.* 8 (1975) 447–463.
20. Z. Skupień, Path partitions of vertices and hamiltonity of graphs, in: M. Fiedler, ed., *Recent Advances in Graph Theory (Proc. Symp. Prague 1974)*, Akademia, Praha, 1975, pp. 481–491.
21. Z. Skupień and A.P. Wojda, Extremal non-(p,q)-Hamiltonian graphs, *Studia Sci. Math. Hungar.* 10 (1975) 323–328.
22. **(E1)** M. Borowiecki, Z. Skupień and L. Szamkołowicz, eds., *Graphs, Hypergraphs and Block Systems (Proc. Symp. Zielona Góra, Sept. 1976)*, Zielona Góra, 1976, 339 pp.
23. Z. Skupień, On generalizations of locally Hamiltonian graphs, in: M. Borowiecki, Z. Skupień, and L. Szamkołowicz, eds., *Graphs, Hypergraphs and Block Systems (Proc. Symp. Zielona Góra 1976)*, Zielona Góra, 1976, pp. 263–271.
24. Z. Skupień and W. Zygmunt, On generating all maximal path factors of a tree, in: M. Borowiecki, Z. Skupień, and L. Szamkołowicz, eds., *Graphs, Hypergraphs and Block Systems (Proc. Symp. Zielona Góra 1976)*, Zielona Góra, 1976, pp. 273–279.
25. Z. Skupień, Hamiltonian shortage, path partitions of vertices, and matchings in a graph, *Colloq. Math.* 36 (1976) 305–318.
26. Z. Skupień, On extending path systems and (q, r) -edge Hamiltonian graphs, *Bull. Acad. Polon. Sci., Ser. Sci. Math. Astr. Phys.* 25 (1977) 343–348.

27. Z. Skupień, Stirling numbers and colouring of q-trees, *Prace Nauk. Inst. Mat. Politechn. Wrocław. No. 17, Ser. Studia i mater. No. 13, Grafy, hipergrafy, systemy bloków* (1977) 63–67.
28. Z. Skupień and W. Zygmunt, Generating path factors of a tree, *Zesz. Nauk. UJ 19* (1977) 169–173.
29. Z. Skupień i M.M. Sysło, Stosowana teoria grafów III. Grafy Eulera i Hamiltona. Zagadnienie komiwojażera (Polish, Applied graph theory III. Eulerian and Hamiltonian graphs. Travelling salesman problem), *Mat. Stos. 10* (1977) 5–54.
30. **(R)** Z. Skupień, Elementy nowoczesnej teorii relacji (Polish, Elements of modern theory of relations), w: *Materiały Symp. Nauk., Niedów, 1976: Zastosowanie metod mat. w problemach techn. i ekonom., 1977*, 63–65.
31. Z. Skupień, Extending dipath systems and arc-Hamiltonian properties, in: *Beiträge zur Graphentheorie und deren Anwendungen* (Proc. Conf. held in Oberhof (GDR), 1977), Math. Gesellschaft der DDR-Techn. Hochschule Ilmenau, 1977, 246–258.
32. **(P)** Z. Skupień, Problem 16 (on embedding locally Hamiltonian graphs), in: *Beiträge zur Graphentheorie und deren Anwendungen* (Proc. Conf. held in Oberhof (GDR), 1977), Math. Gesellschaft der DDR-Techn. Hochschule Ilmenau, 1977, 316–317.
33. **(P)** Z. Skupień, Problem 17 (on homogeneously traceable graphs), in: *Beiträge zur Graphentheorie und deren Anwendungen* (Proc. Conf. held in Oberhof (GDR), 1977), Math. Gesellschaft der DDR-Techn. Hochschule Ilmenau, 1977, 317–318.
34. W. Niedoba, Z. Skupień, A.P. Wojda; Minimalizacja zamrożenia w procesie inwestycyjnym (Polish, Eng. summary, Minimization of freeze in the investment process), *Przegląd Statystyczny 25* (1978) 65–74.
35. Z. Skupień, Finding all maximal path factors of a tree and related problems, in: A. Hajnal and Vera T. Sós, eds., *Combinatorics I-II* (Proc. Vth Hungar. Colloq. on Combinatorics held in Keszthely, 1976), North-Holland, 1978, pp. 1031–1043.
36. **(P)** Z. Skupień, Problems (on chromatic characterizations of k-trees), in: A. Hajnal and Vera T. Sós, eds., *Combinatorics I-II* (Proc. Vth Hungar. Colloq. on Combinatorics held in Keszthely, 1976), North-Holland, 1978, pp. 1212–1213.
37. Z. Skupień, On maximal non-Hamiltonian graphs, *Rostock. Math. Kolloq. 11* (1979) 97–106.
38. Z. Skupień and W. Zygmunt, On vertices and edges in maximum path-factors of a tree, *Fund. Math. 109* (1980) 89–101.
39. Z. Skupień, Degrees in homogeneously traceable graphs, *Ann. Discrete Math. 8*, North-Holland, 1980, pp. 185–188.

40. **(PA)** C.M. Pareek and Z. Skupień, On minimal non-Hamiltonian locally Hamiltonian graphs (Abstract), *Ann. Discrete Math.* 9, North-Holland, 1980, p. 265.
41. Z. Skupień, On homogeneously traceable nonhamiltonian digraphs and oriented graphs, in: G. Chartrand, Y. Alavi, D.L. Goldsmith, L. Lesniak-Foster, and D.R. Lick, eds., *The Theory and Applications of Graphs (T.A.G.)* (Proc. Fourth Int. Conf. on T.A.G., held in Kalamazoo, MI., 1980), Wiley, 1981, 517–527.
42. Z. Skupień, Maximum degree among vertices of a non-Hamiltonian homogeneously traceable graph, in: S.B. Rao, ed., *Combinatorics and Graph Theory* (Proc. Symp. held in Calcutta, 1980), *Lect. Notes in Math.* 885, Springer, 1981, 496–500.
43. J. Jamrozik, R. Kalinowski, and Z. Skupień, A catalogue of small maximal nonhamiltonian graphs, *Discrete Math.* 39 (1982) 229–234.
44. A. Marczyk and Z. Skupień, Characterization of different line graphs of graphs, in: E.J. Billington, S. Oates-Williams, A.P. Street, eds., *Combinatorial Mathematics IX*, (Proc. Ninth Australian Conf. on Combinat. Math., Brisbane 1981), *Lect. Notes in Math.* 952, Springer, 1982, 358–364.
45. Z. Skupień, On homogeneously traceable graphs and digraphs, in: 27. Internationales Wissenschaftliches Kolloquium, *Tech. Hochschule Ilmenau (GDR)*, 1982, Heft 5, pp. 199–201.
46. C.M. Pareek and Z. Skupień, On the smallest non-Hamiltonian locally Hamiltonian graph, *J. Univ. Kuwait (Sci.)* 10 (1983) 9–17.
47. Z. Skupień, Homogeneously traceable and Hamiltonian connected graphs, *Demonstratio Math.* 17 (1984) 1051–1067.
48. A. Marczyk and Z. Skupień, General approach to line graphs of graphs, *Demonstratio Math.* 18 (1985) 447–465.
49. **(E2)** M. Borowiecki and Z. Skupień, eds., *Graphs, Hypergraphs and Matroids* (Proc. Fifth Regional Sci. Session, Żagań, June 1985) Zielona Góra, 1985, 87 pp.
50. Z. Skupień, n -closures of large nonhamiltonian n -vertex graphs, in: M. Borowiecki and Z. Skupień, eds., *Hypergraphs and Matroids* (Proc. Żagań 1985 Session), WSI, Zielona Góra, 1985, 59–66.
51. Z. Skupień and W. Zygmunt, Generating all maximum path-factors of a tree, in: J. Demetrovics, G. Katona, and A. Salomaa, eds., *Algebra, Combinatorics and Logic in Computer Science* (Proc. Colloq. held in Győr, 1983), *Colloq. Math. Soc. J. Bolyai*, vol. 42, North-Holland, 1985, 711–717.
52. Z. Skupień, An improvement of Jung's condition for hamiltonicity, in: 30. Internationales Wiss. Kolloq., Heft 5, *Techn. Hochschule Ilmenau (GDR)*, 1985, pp. 111–113.

53. **(P)** Z. Skupień, Problem (on a geometrical minimum), in: (Proc. Sielpia (Poland) 1984 Conf. on Funct. Eqs. and Inequal.) Rocznik Nauk.-Dydakt. WSP Kraków, z. 97 (1985), Prace Mat. 11, p. 260.
54. Z. Skupień, On counting maximum path-factors of a tree, in: Algebra und Graphentheorie (Proc. Siebenlehn 1985 Conf.), Bergakademie Freiberg, Sektion Math., 1986, 91–94.
55. **(E3)** M. Borowiecki and Z. Skupień, eds., Graphs, Hypergraphs and Matroids II (Proc. Sixth Regional Sci. Session, Żagań, June 1986) Zielona Góra, 1987, 104 pp.
56. **(P)** Z. Skupień, Problem 10 (on highly Hamiltonian graphs), in: E. Hexel and P. John, eds., Some open problems of graph theory, Wiss. Z. TH Ilmenau 33, H. 1 (1987) 47–48.
57. **(P)** Z. Skupień, Problem 2 (on q-tree chromatic polynomial), in: M. Borowiecki and Z. Skupień, eds., Graphs, Hypergraphs and Matroids. II (Proc. Żagań 1986 Conf.), Higher Coll. of Eng., Zielona Góra, 1987, 97–98.
58. R. Kalinowski and Z. Skupień, Large Isaacs' graphs are maximally non-Hamilton-connected. II, Zesz. Nauk. AGH, Nr 1154, Opuscula Math., z. 4 (1988) 81–98.
59. Z. Skupień, On tough maximally non-Hamiltonian graphs, Bull. Polon. Acad. Sci. Math. 36, No 5-6 (1988) 357–362.
60. Z. Skupień, Some examples in Hamiltonian graph theory, Bull. Polon. Acad. Sci. Math. 36, No 5-6 (1988) 363–374.
61. **(E4)** M. Borowiecki and Z. Skupień, eds., Graphs, Hypergraphs and Matroids III (Proc. Seventh Regional Sci. Session, Kalsk, Sept. 1988) Zielona Góra, 1989, 191 pp.
62. Z. Skupień, Exponentially many hypohamiltonian graphs, in: M. Borowiecki and Z. Skupień, eds., Graphs, Hypergraphs and Matroids. III (Proc. Kalsk 1988 Conf.), Higher Coll. of Eng., Zielona Góra, 1989, 123–132.
63. Z. Skupień, Maximally non-Hamilton-connected and hypohamiltonian graphs, in: M. Borowiecki and Z. Skupień, eds., Graphs, Hypergraphs and Matroids. III (Proc. Kalsk 1988 Conf.), Higher Coll. of Eng., Zielona Góra, 1989, 133–144.
64. **(P)** Z. Skupień, Problem 106 (Conjecture, on tough nonhamiltonian graphs), Discrete Math. 76 (1989) 157–158.
65. **(P)** Z. Skupień, Problem 107 (on tough), Discrete Math. 76 (1989) 158–159.
66. **(P)** Z. Skupień, Problem 108 (on tough), Discrete Math. 76 (1989) 159.
67. **(E5)** Z. Skupień and M. Borowiecki, eds., Combinatorics and Graph Theory, Banach Center Publ. vol. 25, PWN - Pol. Sci. Publ., Warszawa, 1989, 251 pp.

68. Z. Skupień, Sharp sufficient conditions for Hamiltonian cycles in tough graphs, in: Z. Skupień and M. Borowiecki, eds., *Combinatorics and Graph Theory*, (Banach Center Publ., vol. 25, PWN-Pol. Sci. Publ., 1989, 163–175.
69. R. Kalinowski and Z. Skupień, Large Isaacs' graphs are maximally non-Hamilton-connected, *Discrete Math.* 82 (1990) 101–104.
70. Z. Skupień, From tree path-factors and doubly exponential sequences to a binomial inequality, in: R. Bodendiek and R. Henn, eds., *Topics in Combinatorics and Graph Theory (Essays in Honour of Gerhard Ringel)*, Physica-Verlag, Heidelberg, 1990, 595–603.
71. Z. Skupień, Crowned trees and planar highly Hamiltonian graphs, in: R. Bodendiek, ed., *Contemporary Methods in Graph Theory (In Honour of Klaus Wagner)*, Wissenschaftsverlag, Mannheim, 1990, 537–555.
72. J. Malik and Z. Skupień, Fan-type conditions for maximum path-factors, in: V.R. Kulli, ed., *Advances in Graph Theory*, Vishwa Int. Publ., Gulbarga, 1991, 263–274.
73. A. Marczyk and Z. Skupień, Maximum nonhamiltonian tough graphs, *Discrete Math.* 96 (1991) 213–220.
74. Z. Skupień, Exponential constructions of some nonhamiltonian minima, in: M. Fiedler and J. Nešetřil, eds., *Combinatorics, Graphs, Complexity (Proc., Prachatice 1990)* [prepubl. of [75], Soc. CS Math. Phys., Praha, 1991, 321–328.
75. Z. Skupień, Exponential constructions of some nonhamiltonian minima, in: J. Nešetřil and M. Fiedler, eds., *Fourth CS Symposium on Combinatorics, Graphs and Complexity (Proc. Symp., Prachatice 1990)*, Ann. Discrete Math. 51, Elsevier, 1992, 321–328.
76. **(E6)** Z. Skupień and M. Borowiecki, eds., *Graph Theory (Proc. Niedzica 1990 Conf.)*, Discrete Math. 121 (1993) North-Holland, 237 pp.
77. **(PA)** Z. Skupień, A generalization of Sylvester's and Frobenius' problems on numerical semigroups (Abstract, Proc. 3rd Intntnl Conf. Funct. Eq. Ineq. held in Koninki, 1991), Inst. Mat. WSP Kraków, 1993, p. 24.
78. **(PA)** A. Rycerz and Z. Skupień, Conductors in the integral monoids, (in: U. Faigle and C. Hoede, eds., 3rd Twente Workshop on Graphs and Combinatorial Optimization, June 1993) Faculty Appl. Math. Univ. Twente, Memo. No. 1132 (1993) 154–158. ISSN 0169-2690
79. **(PA)** Z. Skupień, Some maximum multigraphs and chromatic d -index, (in: U. Faigle and C. Hoede, eds., 3rd Twente Workshop on Graphs and Combinatorial Optimization, June 1993) Faculty Appl. Math. Univ. Twente, Memo. No. 1132 (1993) 173–175. ISSN 0169-2690
80. **(P)** A. Marczyk, Z. Skupień, Problem 174 (on max nonhamiltonian graphs), *Discrete Math.* 121 (1993) 236–237.
81. Z. Skupień, The complete graph t -packings and t -coverings, *Graphs Combin.* 9 (1993) 353–363.

82. Z. Skupień, A generalization of Sylvester's and Frobenius' problems on numerical semigroups, *Acta Arith.* 65 (1993) 353–366.
83. Z. Skupień, Superexponential constructions of separately highly Hamiltonian and related graphs, *Vishwa Intern. J. Graph Theory*, 2 (1993) 21–33.
84. **(P)** Z. Skupień, The converse of the maximized q -modular change problem, electronic publ.: Problem 22 in: International Conference on Combinatorics, Keszthely, 1993, Hungary;
[Received by several hundreds of participants of Conf. dedicated to Prof. P. Erdős' 80th birthday.]
85. **(PR2)** Z. Skupień and A.P. Wojda, *Matematyka dyskretna w Instytucie Matematyki AGH* [Polish: Discrete math. in Institute of Math. AGH], in: S. Białas et al., eds., *Matematyka w 75-leciu AGH i 25-leciu Instytutu Matematyki (Proc. Krynica 1994 Conf.)*, Inst. Matematyki AGH, Kraków, 1995, 111–121.
86. S. Jendrol' and Z. Skupień, W_v cycles in plane graphs, *Geom. Dedicata* 55 (1995) 293–303.
87. Z. Skupień, Some maximum multigraphs and edge/vertex distance colourings, *Discuss. Math. Graph Theory* 15 (1995) 89–106.
88. Z. Skupień, Smallest sets of longest paths with empty intersection, *Combin. Probab. Comput.* 5 (1996) 429–436.
89. **(P)** Z. Skupień, Problem 270 [on 2-edge decomposable multigraphs], in: A. Rycerz, A.P. Wojda, and M. Woźniak, eds., *The Second Kraków Conf. on Graph Theory (Proc. Conf. Zgorzelisko 1994)*, *Discrete Math.* 164 (1997) 320–321.
90. S. Jendrol' and Z. Skupień, Exact numbers of longest cycles with empty intersection, *European J. Combin.* 18 (1997) 575–578.
91. Z. Skupień, Hypohamiltonian/hypotraceable digraphs abound, *J. Combin. Math. Combin. Comput.* 24 (1997) 239–242.
92. **(PA)** P. Gvozdjak, P. Horák, M. Mészka and Z. Skupień, The strong chromatic index of cyclic multigraphs, (in: U. Faigle and C. Hoede, eds., *Sci. Program 5th Twente Workshop on graphs and combin. optimization, May 1997*) *Faculty Appl. Math. Univ. Twente, Memo.* (1997) 106–109. ISSN 0169-2690
93. **(P)** Z. Skupień, [Problems on max non-hamiltonian graphs], in: R. Babilon, ed., *Graphs '97, Problems*, Charles Univ. Praha, KAM-DIMATIA Ser. 97-372 (1997) pp. 8–9.
94. W. Frydrych and Z. Skupień, Non-traceability of large connected claw-free graphs, *J. Graph Theory* 27 (1998) 75–86.
95. **(P)** Z. Skupień, Problem 299 [on the number of distance- d matchings in a hypercube], in: H. Sachs, ed., *Graph Theory (Proc. Conf. Elgersburg 1996)*, *Discrete Math.* 191 (1998) 252.

96. M. Meszka and Z. Skupień, Self-converse and oriented graphs among the third parts of nearly complete digraphs, *Combinatorica* 18 (1998) 413–424.
97. J. Ivančo, M. Meszka and Z. Skupień, Decomposition of multigraphs into isomorphic graphs with two edges, *Ars Combin.* 51 (1999) 105–112.
98. (P) S. Jendrol' and Z. Skupień, Problem 315 (BCC16.1). Hamiltonian planar cubic graphs, *Discrete Math.* 197/198 (1999) 799–800.
99. Z. Skupień, Prosty dowód twierdzenia Cantora-Bernsteina (Polish, A simple proof of the Cantor-Bernstein theorem), *Wiadom. Mat.* 35 (1999) 49–53.
100. (E7) Z. Skupień and R. Kalinowski, guest eds., (Proc. 7th Workshop '3in1' Graphs '98, Krynica 1998), *Discuss. Math. Graph Theory* 19, No 2 (1999), 145 pp.
101. (PA) Z. Skupień, Logo '3in1', in: Z. Skupień and R. Kalinowski, guest eds., *Discuss. Math. Graph Theory* 19, No 2 (1999) 116.
102. (P) Z. Skupień, Brief history of '3in1', in: Z. Skupień and R. Kalinowski, guest eds., *Discuss. Math. Graph Theory* 19, No 2 (1999) 117–118.
103. (P) Z. Skupień, On distance edge colourings of a cyclic multigraph, in: Z. Skupień and R. Kalinowski, guest eds., *Discuss. Math. Graph Theory* 19, No 2 (1999) 251–252.
104. Z. Skupień, Problems on fully irregular digraphs, in: Z. Skupień and R. Kalinowski, guest eds., *Discuss. Math. Graph Theory* 19, No 2 (1999) 253–255.
105. P. Gvozdjak, P. Horák, M. Meszka and Z. Skupień, On the strong chromatic index of cyclic multigraphs, in: U. Faigle and C. Hoede, guest eds., (Proc. 5th Twente Workshop on graphs and combinatorial optimization, 1997) *Discrete Appl. Math.* 99 (2000) 23–38.
106. M. Meszka and Z. Skupień, On some third parts of nearly complete digraphs, in: J. Harant and M. Stiebitz, guest eds., *Graph Theory (Proc. Doernfeld 1997 Horst Sachs' Conf.) Discrete Math.* 212 (2000) 129–139.
107. (P) S. Jendrol' and Z. Skupień, Problem 341 [on hamiltonicity of some cubic planar graphs], in: Z. Lonc, guest ed., *Selected Topics in Discrete Mathematics*, (Proc. Banach Center minisemester, 1996) *Discrete Math.* 213 (2000) 357.
108. P. Gvozdjak, P. Horák, M. Meszka and Z. Skupień, Strong chromatic index for multigraphs, *Util. Math.* 57 (2000) 21–32.
109. S. Jendrol' and Z. Skupień, Local structures in plane maps and distance colourings, in: R. Kalinowski, A. Marczyk, M. Meszka, A.P. Wojda, eds., *Graph Theory (Proc. Kazimierz Dolny Conf. '97)*, *Discrete Math.* 236 (2001) 167–177.
110. Z. Majcher, J. Michael, J. Górska, and Z. Skupień, The minimum size of fully irregular oriented graphs, in: R. Kalinowski, A. Marczyk, M. Meszka, A.P. Wojda, eds., *Graph Theory (Proc. Kazimierz Dolny Conf. '97)*, *Discrete Math.* 236 (2001) 263–272.

111. J. Harant, M. Hornák and Z. Skupień, Separating 3-cycles in plane triangulations, *Discrete Math.* 239 (2001) 127–136.
112. Z. Skupień, BCH codes are good for distance multicolorings with radio frequencies in hypercubes asymptotically, *Electronic Notes in Discrete Math.* (ENDM, Elsevier Sci.) vol. 8 (2001), item 28
<http://www.sciencedirect.com/science/journal/15710653/>
113. J. Ivančo, M. Mészka and Z. Skupień, Decomposition of multigraphs into parts with two edges, in: J. Harant, M. Voigt, I. Schiermeyer, eds., *Discuss. Math. Graph Theory* 22 (2002) 113–121.
114. Z. Skupień, Hamiltonicity of planar cubic multigraphs, (in: M. Hornák and S. Jendrol', eds., *Cycles and Colourings*) *Discrete Math.* 251 (2002) 163–168.
115. Joanna Górska and Z. Skupień, Inducing regularization of graphs, multigraphs and pseudographs, *Ars Combin.* 65 (2002) 129–133.
116. (P19) Z. Skupień, Clique parts independent of remainders, *Discuss. Math. Graph Theory* 22 (2002) 361.
117. (PA) Z. Dziechcińska-Halamoda, Z. Majcher, J. Michael, Z. Skupień, The uniquely one-one realizable degree sets by minimum irregular digraphs, in: *CID (Abstracts, 10th Workshop on Graph Theory, at Karpacz 2003; Univ. Publish. House, ISBN 83-89321-62-9, Zielona Góra, 2003)* p. 25.
118. (PA) Z. Skupień, Trees with numerous extremal subforests, in: *CID (Abstracts, 10th Workshop on Graph Theory, at Karpacz 2003; Univ. Publish. House, ISBN 83-89321-62-9, Zielona Góra, 2003)* p. 50.
119. Zdzisław Skupień, Twierdzenie Cantora-Bernsteina – dowody znane-nieznane, (Polish, The Cantor-Bernstein theorem—proofs known-unknown), *Wiadom. Mat.* 39 (2003) 85–94.
120. Z. Dziechcińska-Halamoda, Z. Majcher, J. Michael, Z. Skupień, Large minimal irregular digraphs, *Opuscula Math.* 23 (2003) 21–24.
121. D. Fronček, Z. Ryjáček, Z. Skupień, On traceability and 2-factors in claw-free graphs, *Discuss. Math. Graph Theory* 24 (2004) 55–71.
122. J. Górska, Z. Skupień, Z. Majcher, J. Michael, A smallest irregular oriented graph containing a given diregular one, (in: M. Hornák and S. Jendrol', guest eds., *Cycles and Colourings* 2001) *Discrete Math.* 286 (2004) 79–88.
123. J. Kratochvíl, Z. Lonc, M. Mészka, Z. Skupień, Edge decompositions of multigraphs into multi-2-paths, *Opuscula Math.* 24 (2004) 97–102.
124. Z. Lonc, M. Mészka, Z. Skupień, Edge decompositions of multigraphs into 3-matchings, *Graphs Combin.* 20 (2004) 507–515.
125. Z. Skupień, Decompositions into two paths, *Discuss. Math. Graph Theory* 25 (2005) 325–329.

126. M. Meszka, Z. Skupień, Decompositions of a complete multidigraph into non-hamiltonian paths, *J. Graph Theory* 51 (2006) 82–91.
127. Dorota Bród, Z. Skupień, Trees with extremal numbers of dominating sets, *Australas. J. Combin.* 35 (2006) 273–290.
128. Z. Dziechcińska-Halamoda, Z. Majcher, J. Michael, Z. Skupień, Extremum degree sets of irregular oriented graphs and pseudodigraphs, *Discuss. Math. Graph Theory* 26 (2006) 317–333.
129. (PA) Z. Skupień, On sparse hamiltonian 2-decompositions together with exact count of numerous Hamilton cycles, *ENDM (Electron. Notes in Discrete Math.)* 24 (2006) 231–235. www.elsevier.com/locate/ndm
130. M. Meszka, Z. Skupień, Long paths decompositions of a complete digraph of odd order, *Congr. Numer.* 183 (2006) 203–211.
131. Z. Skupień, BCH codes and distance multi- or fractional colorings in hypercubes asymptotically, (in: M. Horňák and S. Jendrol', guest eds., *Cycles and Colourings 2003*) *Discrete Math.* 307 (2007) 990–1000, doi:10.1016/j.disc.2006.04.033, online 25 Sept. 2006: www.sciencedirect.com
132. J. Górska, Z. Skupień, Trees with maximum number of maximal matchings, in: R. Kalinowski, M. Meszka, guest eds., (Proc. Conf. "Czorsztyn 2002") *Discrete Math.* 307 (2007) 1367–1377, doi:10.1016/j.disc.2005.11.074, online 29 Nov. 2006: www.sciencedirect.com
133. G. Schaar, Z. Skupień, Pairs of trees in tree-tree triangulations, in: R. Kalinowski, M. Meszka, guest eds., (Proc. Conf. "Czorsztyn 2002") *Discrete Math.* 307 (2007) 1499–1505, doi:10.1016/j.disc.2005.11.087, online 30 Nov. 2006: www.sciencedirect.com
134. J. Górska, Z. Skupień, Erratum to: "Inducing regularization of graphs, multigraphs and pseudographs" [*Ars Combin.* 65 (2002) 129–133], *Ars Combin.* 82 (2007) 381–382.
135. Z. Skupień, Exponentially many hypohamiltonian snarks, *ENDM (Electron. Notes Discrete Math.)* 28 (2007) 417–424. www.elsevier.com/locate/ndm
136. (PA) A. Kędzior, Z. Skupień, Constructions of universal parts of some complete graphs, in: P. Kovář, ed., *Graphs 2007 Abstracts (Proc. CS Graph Theory Conf., Hradec n. Moravicí, June 2007; ISBN 978-80-248-1445-2)*, p. 39.
137. Z. Skupień, '3in1' enhanced: Three squared ways to '3in1' GRAPHS, *Discuss. Math. Graph Theory* 27 (2007) 561–563.
138. Z. Dziechcińska-Halamoda, Z. Majcher, J. Michael, Z. Skupień, A Sokoban-type game and arc deletion within irregular digraphs of all sizes, *Discuss. Math. Graph Theory* 27 (2007) 611–622.
139. Z. Skupień, A. Żak, Rainbow regular order of graphs, *Australas. J. Combin.* 42 (2008) 115–127.

140. Dorota Bród, Z. Skupień, Recurrence among trees with most numerous efficient dominating sets, *Discrete Math. Theoret. Comp. Sci.* 10:1 (2008) 43–56.
141. (PA11) Z. Skupień, Ela Gębus, On the LOGO and the exponentiation of snarks, in: T. Kaiser, ed., *Graphs 2008 (Proc. 43rd CS Conf., Zádov; ITI Ser. 2008-390, ISBN 80-7378-044-9)* p. 44.
142. J. Górska and Z. Skupień, Inducing regulation of any digraphs, *Discrete Appl. Math.* 157 (2009) 947–952.
online: 2008, doi: 10.1016/j.dam.2008.03.27
143. A. Fortuna, Z. Skupień, A. Żak, Maximizing hamiltonian pairs and k -sets via numerous leaves in a tree, *Discrete Math.* 309 (2009) 1788–1792.
online: 2008, doi: 10.1016/j.disc.2008.03.008
144. Z. Skupień, Sparse hamiltonian 2-decompositions together with exact count of numerous Hamilton cycles, *Discrete Math.* 309 (2009) 6382–6390.
online: 20-DEC-2008, doi: 10.1016/j.disc.2008.11.003
145. Susan A. van Aardt, Frank E.S. Bullock, Joanna Górska, Zdzisław Skupień, On detour homogeneous digraphs, *Discrete Math.* 309 (2009) 6415–6424.
online: 28-NOV-2008, doi: 10.1016/j.disc.2008.10.016
146. M. Meszka, Z. Skupień, Decompositions of nearly complete digraphs into t isomorphic parts, *Discuss. Math. Graph Theory* 29 (2009) 563–572.
online 2008
147. Z. Ryjáček, Z. Skupień, P. Vrána, On cycle lengths in claw-free graphs with complete closure, *Discrete Math.* 310 (2010) 570–574.
online 2009, doi:10.1016/j.disc.2009.03.053
148. M. Borowiecki, P. Borowiecki, E. Sidorowicz, Z. Skupień, On extremal sizes of locally k -tree graphs, *Czechoslovak Math. J.* 60 (135) (2010) 571–587.
149. Mariusz Meszka, Zdzisław Skupień, Decompositions of a complete multidigraph into almost arbitrary paths, *Discuss. Math. Graph Theory* 32 (2012) 357–372.
150. Z. Skupień, Sums of powered characteristic roots count distance-independent circular sets, *Discuss. Math. Graph Theory* 33 (2013) 217–229.
151. R. Euler, P. Oleksik, Z. Skupień, Counting maximal distance-independent sets in grid graphs, *Discuss. Math. Graph Theory* 33 (2013) 531–557.
152. A. Fortuna, Z. Skupień, Universal third parts of any complete 2-graph and none of DK_5 , *Opuscula Math.* 33(4) (2013) 685–696.
153. Z. Skupień, A. Żak, Pair-sums packing and rainbow cliques, in: R. Tyshkevich, ed., *Topics in Graph Theory (dedicated to Zykov90)*, 2013, pp. 131–144
http://www.math.uiuc.edu/~kostochk/Zykov90-Topics_in_Graph_Theory.pdf

154. Z. Skupień, Majorization and the minimum number of dominating sets, *Discrete Appl. Math.* 165 (2014) 295–302
<http://dx.doi.org/10.1016/dam.2013.05.002>
155. Z. Skupień, Graph structures duality under majorization with dualizing max-efficient/min-total domination counts,
156. Z. Skupień, Independence or domination. Positioning method in recursive counting on paths or cycles,
157. Z. Skupień, Multicompositions in exponential counting of hypohamiltonian graphs and/or snarks,
158. Z. Skupień, Universal parts, large or with small remainder, of a complete graph,
159. Z. Skupień, Matchings or near-matchings among universal graphical fractions,
160. Z. Skupień, A. Żak, On pair-sums packing and rainbow cliques,
161. A. Kędzior, Z. Skupień, Universal sixth parts of a complete graph exist,
162. Z. Skupień, Generating Girard-Newton-Waring's moments of mutually reciprocal polynomials,
163. Z. Skupień, Exponential quadripartition: snarks and cubic non-snarks versus hypohamiltonicity, within Petersen's nonplanarity
164. E. Gebus, Z. Skupień, Exponentiation of highly connected hypohamiltonian snarks,
165. Mateusz Nikodem, Z. Skupień, Conductors and the Frobenius vector in the Sylvestwer-Frobenius change problem,
166. Mateusz Nikodem, Z. Skupień, Multidimensional modular change problem,
167. J. Górska, Z. Skupień, Graphs with most costly inducing regulation,