LIST OF PAPERS – SLOBODAN K. SIMIĆ
March 2017

(1) A. Al-Azemi, M. Anđelić, S.K. Simić, On the spectral invariants of symmetric matrices with applications in the spectral graph theory, FILOMAT, to appear.

(2) M. Anđelić, S.K. Simić, D. Živković, E.Ć. Doličanin, Fast algorithms for computing the characteristic polynomial of some graph classes, submitted.

(3) D.M. Cardoso, P. Carvalho, P. Rama, S.K. Simić, Z. Stanić, Lexicographic polynomials of graphs and their spectra, Appl. Anal. Discrete Math., to appear.

(4) A. Al-Azemi, M. Anđelić, S.K. Simić, Eigenvalue location for chain graphs, Linear Algebra Appl., 505(2016), 194-210.

(5) F. Belardo, E.M. Li Marzi, S.K. Simić, Signed line graphs with least eigenvalue -2: The star complement technique, Discrete Applied Math. 207(2016), 29-38.

(6) F. Belardo, T. Pisanski, S.K. Simić, On connected graphs with least eigenvalue greater than -2, Linear Multilinear Algebra, 64(8)(2016), 1570-1582.

(7) F. Belardo, I. Sciriha, S.K. Simić, On eigenspaces of some compound graphs, Linear Algebra Appl., 509(2016), 19-39.

(8) S.K. Simić, Z. Stanić, Polynomial reconstruction of signed graphs, Linear Algebra Appl., 501(2016), 390-408.

(9) S.K. Simić, Z. Stanić, Polynomial reconstruction of signed graphs whose least eigenvalue is close to -2, Electron. J. Linear Algebra, 31(2016), 740-753.

(10) S.K. Simić, D. Živković, M. Anđelić, C.M. da Fonseca, Reflexive line graphs of trees, J. Algebraic Comb., 43(2)(2016), 447-464.

(11) M. Anđelić, E. Andrade, D.M. Cardoso, C.M. da Fonseca, S.K. Simić, D.V. Tošić, Some new considerations on double nested graphs, Linear Algebra Appl., 483(2015), 323-341.

(12) F. Belardo, S.K. Simić, On the Laplacian coefficients of signed graphs, Linear Algebra Appl., 475(2015), 94-113.

(13) D. Cvetković, P. Rowlinson, S.K. Simić, Graphs with least eigenvalue -2: Ten years on, Linear Algebra Appl., 483(2015), 504-539.

(14) M. Petrović, S. Simić, A note on connected bipartite graphs of fixed order and size with maximal index, Linear Algebra Appl., 483(2015), 21-29.

(15) S.K. Simić, M. Anđelić, C.M. da Fonseca, D. Živković, Notes on the second largest eigenvalue of a graph, Linear Algebra Appl. 465(2015), 262-274.

(16) S.K. Simić, M. Anđelić, C.M. da Fonseca, D. Živković, On the multiplicities of eigenvalues of graphs and their vertex deleted subgraphs: old and new results, Electronic J. Linear Algebra, 30(2015), 85-105.

(17) N.M.M. de Abreu, K.T. Balińska, S.K. Simić, K.T. Zwierzyński, More on non-regular bipartite graphs with maximum degree four not having ± 1 as eigenvalues, Appl. Anal. Discrete Math. 8(2014), 123-154.

(18) I. Barbedo, D.M. Cardoso, D. Cvetković, P. Rama, S.K. Simić, A recursive construction of regular exceptional graphs with least eigenvalue -2, Portugal. Math. (N.S.) 71(2014), fasc. 2, 79-96.

(19) M. Anđelić, D. Cardoso, S.K. Simić, Relations between (κ, τ)-regular sets and star complements, Czeck. Math. Journal 63(2013), 73-90.

(20) I. Sciriha, S.K. Simić, On eigenspaces of some compound graphs, A tribute to Lucia Gionfriddo, eds. M. Buratti, C. Lindner, F. Mazzocca, N. Melone, Quaderni di Matematica della Seconda Università di Napoli, 28(2013), 123-154.

(21) M. Anđelić, C.M. da Fonseca, S.K. Simić, D.V. Tošić, Connected graphs of fixed order and size with maximal Q-index: Some spectral bounds, Discrete Appl. Math., 160(4-5)(2012), 448-459.

(22) M. Anđelić, C.M. da Fonseca, S.K. Simić, D.V. Tošić, Some further bounds for the Q-index of nested split graphs, Journal Math. Sciences, 182(2)(2012), 193-199.

(23) B. Arsić, D. Cvetković, S.K. Simić, M. Škarić, Graph spectral techniques in computer sciences, Appl. Anal. Discrete Math., 6(2012), 1-30.

(24) D. Cvetković, S.K. Simić, Spectral graph theory in computer science, The IPSI Transactions BgD on Advanced Research, 8(2)(2012), 35-42.

(25) M. Andjelić, C.M. da Fonseca, S.K. Simić, D.V. Tošić, On bounds for the index of double nested graphs, Linear Algebra Appl., 435(2011), 2475-2490.

(26) F. Belardo, E.M. V. de Filippo, S.K. Simić, Computing the permanental polynomial of a matrix from a combinatorial viewpoint, MATCH Commun. Math. Comput. Chem. 66(2011), 381-396.

(27) F. Belardo, E.M. Li Marzi, S.K. Simić, J.F. Wang, Graphs whose (signless) Laplacian spectral radius does not exceed the Laplacian Hoffman limit value, Linear Algebra Appl., 435(2011), 2913-2920.

(28) T. Biyikoğlu, S.K. Simić, Z. Stanić, Some notes on cographs, Ars Combin., 100 (2011), 421-434.

(29) D. Cvetković, S. Simić, Graph spectra in Computer Science, Linear Algebra Appl., 434(2011) 1545-1562.

(30) Z. Huang, H. Deng, S.K. Simić, On the spectral radius of cactuses with perfect matchings, Appl. Anal. Discrete Math. 5(2011), 14-21.

(31) M. Petrović, T. Aleksić, S. Simić, Further results on the least eigenvalue of connected graphs, Linear Algebra Appl., 435(2011), 2303-2313.

(32) S. Li, S.K. Simić, D.V. Tošić, Q. Zhao, On ordering bicyclic graphs with respect to the Laplacian spectral radius, Applied Math. Lett., 24(12)(2011), 2186-2192.

(33) J.F. Wang, S.K. Simić, Q.X. Huang, F. Belardo, E.M. Li Marzi, Laplacian spectral characterization of disjoint union of paths and cycles, Linear Multilinear Algebra, 59(5)(2011), 531-539.

(34) I. Gutman, P. Rowlinson, S.K. Simić, D.P. Stevanović, E.P. van Dam, Dragoš Cvetković, 70 (Biographical-Item), Linear Algebra Appl. 435 (2011), 2321-2333.

(35) M. Andjelić, S.K. Simić, Some notes on threshold graphs, Discrete Math., 310(2010), 2241-2248.

(36) F. Belardo, E.M. Li Marzi, S.K. Simić, J. Wang, On the spectral radius of unicyclic graphs with prescribed degree sequence, Linear Algebra and Appl., (432)9(2010), 2323-2334.

(37) F. Belardo, E.M. Li Marzi, S.K. Simić, J.F. Wang, On the index of necklaces, Graphs and Combinatorics, 26(2010), 163-172.

(38) F. Belardo, E.M. Li Marzi, S.K. Simić, Trees with minimal index and diameter at most four, Discrete Math., 310(2010), 1708-1714.

(39) F. Belardo, E.M. Li Marzi, S.K. Simić, Combinatorial approach for computing the characteristic polynomial of a matrix, Linear Algebra Appl., (433)8-10(2010), 1513-1523.

(40) D. Cvetković, T. Davidović, A. Ilić, S.K. Simić, Graphs for small multiprocessor interconnected networks, Applied Math. Computation, 217(2010), 2468-2480.

(41) D. Cvetković, S.K. Simić, Towards a spectral theory of graphs based on the signless Laplacian, III, Appl. Anal. Discrete Math., 4(2010), 156-166.

(42) D. Cvetković, S.K. Simić, Towards a spectral theory of graphs based on the signless Laplacian, II, Linear Algebra and Appl., 432(2010), 2257-2272.

(43) D. Cvetković, S.K. Simić, Z. Stanić, Spectral determination of graphs whose components are paths and cycles, Computers and Math. with Appl., 59(2010), 3849-3857.

(44) X. Geng, S. Li, S.K. Simić, On the spectral radius of quasi-k-cyclic graphs, Linear Algebra Appl., (433)8-10(2010), 1561-1572.

(45) A. Krapež, S.K. Simić, D.V. Tošić, Parastrophically uncancellable quasigroup equations, Aequat. Math., 79(2010), 261-280.

(46) S.K. Simić, F. Belardo, E.M. Li Marzi, D.V. Tošić, Connected graphs of fixed order and size with maximal index: Some spectral bounds, Linear Algebra and Appl., (432)9(2010), 2361-2372.

(47) S.K. Simić, Z. Stanić, On Q-integral $(3, s)$-semiregular bipartite graphs, Appl. Anal. Discrete Math., 4(2010), 167-174.

(48) K.T. Balińska, S.K. Simić, K.T. Zwierzyński, Some properties of integral graphs on 13 vertices, Technical University of Poznań, CSC Report No. 578, Poznań 2009.

(49) F. Belardo, E.M. Li Marzi, S.K. Simić, Bidegreed trees with a small index, MATCH Commun. Math. Chem., 61(2009), 503-515.

(50) F. Belardo, E.M. Li Marzi, S.K. Simić, Schwenk-like formulas for weighted digraphs, CP1168, vol. 2, Numerical Analysis and Applied Mathematics, Inter. Conf. 2009 (eds. T.E. Simos, G. Psihoyios), Cyh. Tsitouras, AMS 2009, pp. 1251-1254.

(51) D. Cvetković, S.K. Simić, Towards a spectral theory of graphs based on the signless Laplacian, I, Publ. Math. Inst. (Beograd), 85(99)(2009), 19-33.

(52) S.K. Simić, Z. Stanić, On some forests determined by their Laplacian or signless Laplacian spectrum, Computers and Math. with Appl., 58(2009), 171-178.

4

(53) M. Aouchiche, F.K. Bell, D. Cvetković, P. Hansen, P. Rowlinson, S.K. Simić, D. Stevanović, Variable neighborhood search for extremal graphs, 16. Some conjectures related to the largest eigenvalue of a graph, Europ. J. Operational Research, 191(3)(2008), 661-676.

(54) F. Belardo, E.M. Li Marzi, S.K. Simić, Ordering graphs with index in the interval $(2, \sqrt{2 + \sqrt{5}})$, Discrete Applied Math., 156(2008), 1670-1682.

(55) F.K. Bell, D. Cvetković, P. Rowlinson, S.K. Simić, Graphs for which the least eigenvalue is minimal, I, Linear Algebra and Appl., 429(2008), 234-241.

(56) F.K. Bell, D. Cvetković, P. Rowlinson, S.K. Simić, Graphs for which the least eigenvalue is minimal, II, Linear Algebra and Appl., 429(2008), 2168-2179.

(57) D.M. Cardoso, D. Cvetković, P. Rowlinson, S.K. Simić, A sharp lower bound for the least eigenvalue of the signless Laplacian of a non-bipartite graph, Linear Algebra and Appl., 429 (2008), 2770-2780.

(58) S.K. Simić, E.M. Li Marzi, F. Belardo, On the index of caterpillars, Discrete Math., 308(2-3)(2008), 324-330.

(59) S.K. Simić, Z. Stanić, The polynomial reconstruction is unique for the graphs whose deck-spectra are bounded from below by -2, Linear Algebra and Appl., 428(2008), 1865-1873.

(60) S.K. Simić, Z. Stanić, Q?-integral graphs with edge-degrees at most five, Discrete Math., 308(2008), 4625-4634.

(61) F. Belardo, E.M. Li Marzi, S.K. Simić, Some notes on graphs whose index is close to 2, Linear Algebra and Appl., 423(2007), 81-89.

(62) F. Belardo, E.M. Li Marzi, S.K. Simić, Path-like graphs ordered by the index, International Journal of Algebra, Vol. 1, No. 3(2007), 113-28.

(63) D. Cvetković, P. Rowlinson, S.K. Simić, Eigenvalue bounds for the signless Laplacian, Publ. Math. Inst. (Beograd), 8(95)(2007), 11-27.

(64) D. Cvetković, P. Rowlinson, S.K. Simić, Star complements and exceptional graphs, Linear Algebra and Appl. 423(2007), 146-154.

(65) D. Cvetković, P. Rowlinson, S.K. Simić, Signless Laplacian of finite graphs, Linear Algebra and Appl., 423(2007), 155-171.

(66) S.M. Perovich, S.K. Simić, D.V. Tošić, S.I. Bauk, On the analytical solution of some families of transcendental equations, Applied Mathematical Letters, 20(5)(2007), 493-498.

(67) S.K. Simić, Z. Stanić, The polynomial reconstruction of unicyclic graphs is unique, Linear and Multilinear Algebra, 55(1)(2007), 35-43.

(68) S.K. Simić, B. Zhou, Indices of trees with a prescribed diameter, Appl. Analysis and Disc. Math., 1(2007), 446-454.

(69) D. Stevanović, M. Ćirić, S. Simić, V. Baltić, Experiences and Achievements, Proceedings of eLearning Conference, July 2007, Belgrade, Republic of Serbia, 53-61.

(70) K.T. Balińska, S.K. Simić, K.T. Zwierzyński, On generating 4-regular integral graphs, Studia z Automatyki i Informatyki, 31(2006), 7-16.

(71) F. Belardo, E.M. Li Marzi, S.K. Simić, Some results on the index of unicyclic graphs, Linear Algebra and Appl., 416(2006), 1048-1059.

(72) V. Brankov, D. Cvetković, S. Simić, D. Stevanović, Simultaneous editing and multilabelling of graphs in system newGRAPH, Publ. Elektrotehn. Fak. Ser. Mat., 17(2006), 112-121.

(73) M.C. Marino, I. Sciriha, S.K. Simić, D.V. Tošić, More on singular line graphs of trees, Publ. Mat. Inst. (Beograd), Publ. Math. Inst. (Beograd), 79(93)(2006), 1-12.

(74) Z. Stanić, S.K. Simić, On graphs with unicyclic star complement for 1 as the second largest eigenvalue, In: Proc. Conference Contemporary Geometry and Related Topics, (eds. N. Bokan, M. Djorić, Z. Rakić, B. Wegner, J Wess), June 26 - July 02, 2005, Belgrade (Serbia and Montenegro), Matematički fakultet, Beograd, 2006, pp. 475-484.

(75) D. Cvetković, P. Rowlinson, S.K. Simić, Graphs with least eigenvalue −2; A new proof of 31 forbidden subgraphs theorem, Designs, Codes and Cryptography 34(2005), 229-240.

(76) D. Cvetković, S. Simić, Graph theoretical results obtained by the support of the expert system GRAPH - An extended survey -, Dimacs Series in Discrete Mathematics, Vol. 69, Graphs and Discovery (eds. S. Fajtolowitz, P.W. Fowler, P. Hansen, M.F. Janowitz and F.S. Roberts), Providence, Rhode Island, 2005, pp. 39-70.

(77) M. Lepović, S.K. Simić, K.T. Balińska, K.T. Zwierzyński, There are 93 non-regular, bipartite integral graphs with maximum degree four, The Technical University of Poznań, CSC Report No. 511, Poznań, 2005.

(78) S.K. Simić, D.V. Tošić, The index of trees with specified maximum degree, MATCH Commun. Math. Chem. 54(2005), 351-362.

(79) D.V. Tošić, S.K. Simić, Analysis of combinatorial networks with Mathematica, Publ. Elektrotehn. Fak. Ser. Mat. 16(2005), 98-109.

(80) K.T. Balińska, S.K. Simić, K.T. Zwierzyński, Which nonregular bipartite integral graphs with maximum degree four do not have ±1 as eigenvalues?, Discrete Math., 286(2004), 15-25.

(81) F.K. Bell, S.K. Simić, On graphs whose star complement for −2 is a path or a cycle, Linear Algebra and Appl., 377(2004), 249-265.

(82) B. Dragović, R. Meštrović, S.K. Simić, V. Maraš, *An analysis of the berth and QCs combinations in container ports* (in Serbian), Tehnika 51, Issue 3(2004), 105-112.

(83) S.K. Simić, E.M. Li Marzi, F. Belardo, Connected graphs of fixed order and size with maximal index: Structural considerations, Le Matematiche, Vol. LIX(2004)- Fasc. I-II, 349-365.

(84) K.T. Balińska, S.K. Simić, K.T. Zwierzyński, On finite and infinite sets of integral graphs, Collection of papers of the Faculty of Maritime Studies at Kotor, No. 20 (2003), 319-336.

(85) F.K. Bell, E.M. Li Marzi, S.K. Simić, Some new results on graphs with least eigenvalue not less than −2, Rendiconti del Seminario Matematico di Messina, Ser. II 9(2003), 11-30.

(86) M. Petrović, Z. Radosavljević, S. Simić, A graph and its complement with specified spectral properties, Linear and Multilinear Algebra, 51(2003), no. 4, 405-419.

(87) S. Simić, D. Stevanović, Two shorter proofs in spectral graph theory, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat., 14(2003), 94-98.

(88) K. Balińska, D. Cvetković, Z. Radosavljević, S. Simić, D. Stevanović, A survey on integral graphs, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat., 13(2002), 42-65. (D. Cvetković, S.K. Simić, Errata, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat., 15(2004), 112.)

(89) K.T. Balińska, M. Kupczyk, S.K. Simić, K.T. Zwierzyński, On generating all integral graphs on 13 vertices, Technical University of Poznań, CSC Report No. 483 (2002), 1-42.

(90) D. Cvetković, M. Lepović, P. Rowlinson, S.K. Simić, The maximal exceptional graphs, J. Combinatorial Theory, Ser. B 86(2002), 347-363.

(91) S.K. Simić, Arbitrarily large graphs whose second largest eigenvalue is less than $(\sqrt{5} - 1)/2$, Rendiconti del Seminario Matematico di Messina, Ser. II 8(2002), 1-25.

(92) K.T. Balińska, M. Kupczyk, S.K. Simić, K.T. Zwierzyński, On generating all integral graphs on 12 vertices, The Technical University of Poznań, Computer Science Center Report No. 482, Poznań, 2001.

(93) K.T. Balińska, S.K. Simić, The nonregular, bipartite, integral graphs with maximum degree four - Part I: basic properties, Discrete Math., 236 (2001), 13-24.

(94) K.T. Balińska, S.K. Simić, Some remarks on integral graphs with maximim degree four, Novi Sad, J. Math., 31(2001), No. 1, 19-25.

(95) D. Cvetković, M. Lepović, P. Rowlinson, S.K. Simić, Computer investigations of the maximal exceptional graphs, Department of Computing Science and Mathematics, University of Stirling, Scotland, Technical Report CSM-160, Stirling, 2001.

(96) D. Cvetković, P. Rowlinson, S.K. Simić, Graphs with least eigenvalue -2: The star complement tecnique, J. Algebraic Combinatorics, 14(2001), 5-16.

(97) D. Cvetković, P. Rowlinson, S.K. Simić, The maximal exceptional graphs with maximal degree less than 28, Bull. Acad. Serbe Sci. Arts, Cl. Math. Natur, Sci. Math., 14(2001), 5-16.

(98) D. Cvetković, S. Simić, G. Caporossi, P. Hansen, Variable neighbourhood search for extremal graphs 3. On the largest eigenvalue of color-constrained trees, Linear and Multilinear Algebra, 49(2001), No. 2, 143-160.

(99) G. Caporossi, D. Cvetković, P. Hansen, S. Simić, Variable neighbourhood search for extremal graphs 3. On the largest eigenvalue of color-constrained trees, Les Cahiers du Gerad, G-98-66(2000), 1-15.

(100) D. Cvetković, P. Rowlinson, S.K. Simić, Constructions of the maximal exceptional graphs with largest degree less than 28, Department of Computing Sciene and Mathematics, University of Stirling, Scotland, Technical Report CSM-156, Stirling, 2000.

(101) D. Cvetković, S.K. Simić, Minimal graphs whose second largest eigenvalue is not less than $(\sqrt{5}-1)/2$, Bull. Acad. Serbe Sci. Arts, Cl. Sci. Math. Natur., Sci. Math., 25(2000), 47-70.

(102) S. Simić, I. Gutman, V. Baltić, Some graphs with extremal Szeged index, Math. Slovaka, 50(2000), No. 1, 1-15.

(103) K.T. Balińska, D. Cvetković, M. Lepović, S.K. Simić, There are exactly 150 connected integral graphs up to 10 vertices, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat., 10(1999), 95-105.

(104) K.T. Balińska, M. Kupczyk, S.K. Simić, K.T. Zwierzyński, On generating all integral graphs on 11 vertices, The Technical University of Poznań, Computer Science Center Report No. 469, Poznań, 1999/2000.

(105) F.K. Bell, D. Cvetković, P. Rowlinson, S.K. Simić, Some additions to the theory of star partitions, Discussiones Math. - Graph Theory, 19(1999), 119-134.

(106) D. Cvetković, P. Rowlinson, S. Simić, Some characterizations of graphs by star complements, Linear Algebra and Appl., 301(1999), 81-97.

(107) F. Bell, S. Simić, A note on the second largest eigenvalue of starlike trees, Recent Progress in Inequalities (ed. G.V. Milovanović), Kluwer Academic Publishers, Dordrecht - Boston - London (1998), 433-443.

(108) D. Cvetković, M. Lepović, P. Rowlinson, S. Simić, A database of star complements of graphs, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat., 9(1998), 103-112.

(109) Cvetković, S. Simić, D. Stevanović, 4-regular integral graphs, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat., 9(1998), 89-102.

(110) Z. Radosavljević, S. Simić, Which bicyclic graphs are reflexive ?, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. 7(1996), 90-104.

(111) F.K. Bell, S.K. Simić, On the index of broken wheels, Linear and Multilinear Algebra, Vol. 39 (1995), 137-152.

(112) D. Cvetković, P. Rowlinson, S. Simić, On some algorithmic investigations of star partitions of graphs, Discrete Applied Math., 62 (1995), 119-130.

(113) D. Cvetković, S. Simić, On graphs whose second largest eigenvalue does not exceed $(\sqrt{5}-1)/2$, Discrete Math., 138 (1995), 213-227.

(114) D. Cvetković, S. Simić, The second largest eigenvalue of a graph - A survey, FILOMAT (Niš), 9(1995), Proc. Conf. on Algebra, Logic & Discrete Math. Niš, April 14-16, 1995, 53-76.

(115) S. Simić, Some notes on graphs whose second largest eigenvalue is less than $(\sqrt{5}-1)/2$, Linear and Multilinear Algebra, Vol. 39 (1995), 59-71.

(116) S. Simić, Complementary pairs of graphs with second largest eigenvalue not exceeding $(\sqrt{5}-1)/2$, Publ. Mat. Inst. (Beograd), 57(71) 1995, 179-188.

(117) S. Simić, Z. Radosavljević, The nonregular, nonbipartite integral graphs with the maximum degree four, Journal of Comb., Inform. & System Sciences, Vol. 20, Nos 1-4 (1995), 9-26.

8

(118) V. Baltić, S. Simić, V. Tintor, Some remarks on graph equation $G^2 = \overline{G}$, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. 5(1994), 43-48.

(119) D. Cvetković, S. Simić, Graph theoretic results obtained by the support of the expert system "GRAPH", Bull. Acad. Serbe Sci. Arts, Cl. Sci. Math. Natur., Sci. Math., 107(1994), No. 19, 19-41.

(120) S. Simić, G. Stojanovski, On a non-standard network flow problem, Collected papers from SYM-OP-IS (in Serbian), Kotor 1994, 225-227.

(121) D. Cvetković, P. Rowlinson, S. Simić, A study of eigenspaces of graphs, Linear Algebra and its Applications 182 (1993), 45-66.

(122) D. Cvetković, S. Simić, Non-complete extended p-sum of graphs, graph angles and star partitions, Publ. Math. Inst. (Beograd), 53(67) (1993), 4-16.

(123) Z. Radosavljević, S. Simić, Zs. Tuza, Complementary pairs of graphs orientable to line digraphs, Journal of Comb. Math. and Comb. Computing, 13(1993), 65-75.

(124) S. Simić, A mathematical approach to solving the problem of multilateral compensation (algorithms and heuristics), (Serbian), In: Collected papers on seminar "Multilateral compensation in the system of payments", held in Belgrade, March 25-26 1992, 3.1-3-7.

(125) S. Simić, V. Milanović, Some remarks on the problem of multilateral compensation, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. 3(1992), 27-33.

(126) D. Cvetković, M. Čangalović, V. Dimitrijević, L. Kraus, M. Milosavljević, S. Simić, TSP-SOLVER - A Programming package for the traveling salesman problem, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. 1(1991), 41-47.

(127) D. Cvetković, A. Jovanović, Z. Radosavljević, S. Simić, Coplanar graphs, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. 2(1991), 67-81.

(128) D. Cvetković, S. Simić, Best suboptimal solutions in combinatorial optimization problems, Collected papers from SYM-OP-IS, Herceg-Novi 1991, 103-105.

(129) S.K. Simić, An algorithm to recognize a generalized line graphs and output its root graph, Publ. Math. Inst. (Beograd), 49(63) (1990), 21-26.

(130) S.K. Simić, A note on reconstructing the characteristic polynomial of a graph, Combinatorics, Graphs, Complexity (eds. M. Fiedler and J. Nešetřil), Proc. of the Fourth Czechoslovak Symposium on Combinatorics), Prachatice - June 1990, Soc. of Czechoslovak Math. Phys., 315-320.

(131) D. Cvetković, P. Hotomski, L. Kraus, I. Pevac, Z. Radosavljević, S. Simić, Ten years of the development and usage of the expert system "Graph", in: Achievements and Applications of Artificial Intelligence, held in Dubrovnik, 25-27 Oct. 1989, 25-47.

(132) D. Cvetković, Z. Radosavljević, S. Simić, Some experiences in using a programming system in graph theoretical investigations (in Serbian), in: Collected papers from SYM-OP-IS, Kupari 1989, 165-168.

(133) S.K. Simić, On the largest eigenvalue of bicyclic graphs, Publ. Math. Inst. (Beograd), 46(60) (1989), 1-6.

(134) V.Lj. Kocić, S.K. Simić, An algorithm for radar signal analysis (in Serbian), Proc. of the XXXII-th Yugoslav Conferences of ETAN, Sarajevo, 6-10. June 1988., VIII, 393-400.

(135) S.K. Simić, A note on the graph equation C(L(G) = L(C(G)), Publ. Math. Inst. (Beograd), 44(58) (1988), 35-40.

(136) V.Lj. Kocić, S.K. Simić, An algoritam for radar signal filtering (in Serbian), Proc. of the XXXI-th Yugoslav Conference of ETAN, Bled, 1-5. June 1987., VII, 187-194.

(137) Z. Radosavljević, S. Simić, Computer aided search for all graphs such that both graph and its complement have its spectrum bounded from below by -2, Ars Combinatoria, 24A (1987), 21-27.

(138) S.K. Simić, On the largest eigenvalue of unicyclic graphs, Publ. Math. Inst. (Beograd), 42(56) (1987), 13-19.

(139) S.K. Simić, Some results on the largest eigenvalue of a graph, Ars Combinatoria, 24A (1987), 211-219.

(140) S.K. Simić, V.Lj. Kocić Combinatorial algorithm for data classification (in Serbian), Proc. of the XXXI-th Yugoslav Conference of ETAN, Bled, 1-5. June 1987., VIII, 279-286.

(141) S.K. Simić, V.Lj. Kocić, On the largest eigenvalue of some homeomorphic graphs, Publ. Inst. Math.(Beograd), 40 (54) (1986), 3-9.

(142) S. Simić, Z. Radosavljević, On some computer-aided investigations in graph theory, Proc. of the Symp. on Optimization, Design of Experiments and Graph Theory, Indian Inst. of Technology, Bombay, Dec. 15-17, 1986, 307-313.

(143) Z. Radosavljević, S. Simić, There are just thirteen connected non-regular nonbipartite integral graphs having maximum vertex degree four (shortend report), Proc. of sixth Yugoslav Seminar on Graph Theory, Dubrovnik 1985, 183-187.

(144) Z. Radosavljević, S. Simić, M. Syslo, J. Topp, A note on generalized line graphs, Publ. Inst. Math. (Beograd), 34(48) (1983), 193-198.

(145) S.K. Simić, Graph equations for line graphs and n-th distance graphs, Publ. Inst. Math. (Beograd), 33(47) (1983), 203-216.

(146) S.K. Simić, Graphs which are switching equivalent to their complementary line graphs II, Publ. Inst. Math. (Beograd), 31(45) (1982), 183-194.

(147) D.M. Cvetković, M. Doob, S.K. Simić, Generalized line graphs, J. Graph Theory, Vol. 5 (1981), No. 4, 385-399.

(148) D.M. Cvetković, L.L. Kraus, S.K. Simić, Discussing graph theory with a computer, Implementation of the algorithms I, Univ. Beograd Publ. Elektrotehn. Fak. Ser. Mat. Fiz. No. 716 - No. 734 (1981), 100-104.

(149) S.K. Simić, Graphs having planar complementary line (total) graphs, Publ. Inst. Math. (Beograd), 29(43) (1981), 215-219.

(150) D.M. Cvetković, M. Doob, S.K. Simić, Some results on generalized line graphs, C. R. Math. Rep. Acad. Sci. Canada - Vol. II (1980) No. 3, 147-150.

(151) S.K. Simić, Graphs which are switching equivalent to their complementary line graphs I, Publ. Inst. Math. (Beograd), 27(41) (1980), 229-235.

(152) D.M. Cvetković, S.K. Simić, A bibliography on graph equations, J. Graph Theory, Vol. 3 (1979), 311-324.

(153) J. Akiyama, K. Kaneko, S. Simić, Graph equations for line and n-th power graphs I, Publ. Inst. Math. (Beograd), 23(37) (1978), 5-8.

(154) D.M. Cvetković, I. Gutman, S.K. Simić, On self pseudo-inverse graphs, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. Fiz. No. 602 - No. 633 (1978), 111-117.

(155) D.M. Cvetković, S.K. Simić, Graphs which are switching equivalent to their line graphs, Publ. Inst. Math. (Beograd), 23(37)(1978), 39-51.

(156) S.K. Simić, On the decomposition of the line (total) graphs with respect to some binary operations, Publ. Inst. Math. (Beograd), 24(38) (1978), 163-172.

(157) D.M. Cvetković, S.K. Simić, Graph equations, Beiträge zur Graphentheorie und deren Anwendungen, Vorgetragen auf dem Internat. Koll. Oberhof (DDR), 10.-16. April 1977, 40-56.

(158) D.M. Cvetković, I.B. Lacković, S.K. Simić, Graph equations, graph inequalities and a fixed point theorem, Publ. Inst. Math. (Beograd) 20(34) (1976), 59-66.

(159) D.M. Cvetković, S.K. Simić, Graph equations for line and total graphs, Discrete Math. 13 (1975), 315-320.

(160) S.K. Simić, Graph equation $L^n(G) = \overline{G}$, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. Fiz. No. 498 - No. 541 (1975), 41-44.

(161) D.M. Cvetković, S.K. Simić, Some remarks on the complement of the line graphs, Publ. Inst. Math. (Beograd), 17(31) (1974), 37-44.

(162) I.B. Lacković, S.K. Simić, On weighted arithmetic means which are invariant with respect to k-th order convexity, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. Fiz. No. 461 - No. 497 (1974), 159-166.

(163) D.M. Cvetković, S.K. Simić, On enumeration of certain types of sequences, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. Fiz. No. 412 - No. 460 (1973), 159-164.

(164) S.K. Simić, A note on faces and cycles, Univ. Beograd, Publ. Elektrotehn. Fak. Ser. Mat. Fiz. No. 412 - No. 460 (1973), 227-230.