

J. M. S. SIMÕES-PEREIRA – CV

J. M. S. SIMÕES-PEREIRA, portuguese and north-american dual citizen, born December 7, 1941 in Coimbra (Portugal), studied at the University of Coimbra: B.Sc. in Mathematics, 1962, Ph.D. in Pure Mathematics, 1967, M.Sc. in Topography and Surveying Engineering, 1970.

1962-1967: computer scientist at the Scientific Computer Center of the Gulbenkian Institute of Science, in Lisbon (Portugal).

1967-1969: assistant professor, 1969-1976 associate professor, at the University of Coimbra.

1977-1978: visiting associate professor at the Western Michigan University, in Kalamazoo, Michigan, USA.

Starting September 1978: associate professor (tenure track) at the City University of New York (Hunter College and Graduate Center); January 1982, promoted to full professor; September 1983, granted tenure as full professor.

Since 1990, when he returned to Portugal for family reasons: tenured full professor at the University of Coimbra. (Emeritus, since December 7, 2011).

2013-2014: visiting faculty member at the Department of Mathematical Sciences of the University of Delaware in Newark.

MAIN SCHOLARSHIPS AND GRANTS:

1971-1972: *DAAD - Deutsches Akademisches Austauschdienst* scholarship at the Technical University of Munich (Germany);

1972-1973: scholarship of the Austrian State Department for Science and Research, *Bundesministerium für Wissenschaft und Forschung*, at the Technical University of Vienna (Austria);

December 1975-August 1977: fellowship granted by the von Humboldt Foundation, *Alexander von Humboldt Stiftung*, at the University of Hamburg (Germany).

While in the USA: received research grants from the National Science Foundation, from the Scientific Affairs Division of the North Atlantic Treaty Organization, and from the Professional Staff Congress (a kind of university professors union).

EDITORIAL BOARDS:

1976-1978: Journal of Graph Theory

1981-1984: Portugaliae Mathematica

1998-2000: Founder and Director of the ISLA scientific journal *Zacuto - Revista Científica*

Acted as referee for the Journal of Combinatorial Theory, Discrete Mathematics, Journal of Networks, Linear and Multilinear Algebra, Canadian Mathematical Journal, Transactions of the American Mathematical Society, Mathematica Slovaca, *Discussiones Mathematicæ – Graph Theory*, Turkish Journal of Mathematics.

Acted as reviewer for Computing Reviews, *Zentralblatt für Mathematik*, *Mathematical Reviews*.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

Portuguese Mathematical Society, *SPM - Sociedade Portuguesa de Matemática*, term as vice-president in 1992-1994;

American Association of University Professors - member number 81-54033;

The New York Academy of Sciences - elected member in 1980;

ACM - Association for Computing Machinery - elected voting member in June 1978

AMS - American Mathematical Society - Emeritus Member since 2012;

Mathematical Society of Hamburg, *Mathematische Gesellschaft in Hamburg*;

Former member of SIAM - Society for Industrial and Applied Mathematics;(*)

Former senior member of IEEE - Institute of Electrical and Electronics Engineers. (*)

Member of the ResearchGate Net (an on-line network of scientists, see www.researchgate.net)

[(*): asked for release of his membership status, shortly after coming back to Portugal, during a period of extreme economic difficulties.]

OTHER ACTIVITIES:

In 1979, one of the founders of the Department of Computer Sciences at Hunter College – City University of New York.

1992 - 1996, member of the committee who founded the International Mathematical Center, *CIM - Centro Internacional de Matemática*, with headquarters in Coimbra, an association of Portuguese Universities with Mathematics Departments and of Pure and Applied Mathematics Societies. Now with 40 institutional members and a steering scientific council formed by prestigious national and foreign mathematicians, this Center is devoted to the promotion of teaching and research activities in Mathematics in Portugal and Portuguese speaking countries.

1990-2000 taught also at ISLA, a private university with colleges in Lisbon and Leiria. President of the Scientific Steering Council of the Leiria college.

1998-2000: chairman of the Topography and Surveying Engineering Group of the Department of Mathematics of the University of Coimbra.

RECENT ACHIEVEMENTS:

During a long period, he was forced to slow down his research activity, although not his teaching. In the last few years, he started writing again about Mathematics and meanwhile he has published, in Portugal and in Brazil, several college level textbooks on Discrete Mathematics (Combinatorics and Graph Theory) and on Topology (see the list of books below). He has also been working on some research problems (see the list of scientific publications).

HOBBIES:

Languages: fluent in French, German, English and Portuguese; reading ability of Spanish, Italian, Russian, Rumanian.

Photography;

Music (plays piano);

1990: Founder and vice-president of the Portuguese Union of University Professors, *SNESup - Sindicato Nacional do Ensino Superior*;

Under the pen name Zé-Manel Polido author of a poetry book: *Amor Explorado*, 2003 (ISBN: 978.972.99009.07), and of two auto-biographic essays: *Amor, Solidão e Fé*, 2004 (ISBN: 978.972.99009.14) and *O Norte da Minha Bússola*, 2014 (ISBN: 978.989.98844.27).

2003: One of the founders of the publishing company *Editora Luz da Vida, Ltd.* with headquarters in Coimbra (Portugal).

You are invited to follow his blog:

www.ze-manel-polido.blogspot.com;

if you don't read Portuguese, go to his page at his Department site:

www.mat.uc.pt/~siper;

for the contents of his books, go to the site or the blog of the publisher:

www.luz-da-vida.com.pt;

www.editoraluzdavida.blogspot.pt.

SCIENTIFIC PUBLICATIONS LIST

Abstracts of the large majority of his publications are listed in his page in the ResearchGate net: several articles are given in full text.

ALGORITHMS AND RESEARCH PAPERS

1. Duas observações sobre estática do ponto material, *Gazeta da Matemática* 86/87 (1962), 29-32.

2. Algorithm 214: q -Bessel functions $I_n(t)$, *Communications of the Association for Computing Machinery* 6 (1963), 662. (Remark on Algorithm 214, idem 6 (1964), 349) (CA 8-73a, CA 8-1818g)
3. Algorithm 228: q -Bessel functions $\bar{I}_n(t)$, *Communications of the Association for Computing Machinery* 7 (1964), 295. (CA 8-1582d)
4. Algorithm 234: Poisson-Charlier polynomials [S23], *Communications of the Association for Computing Machinery* 7 (1964), 420. [Certification in same journal, 8, pg. 105] (CA 8-2069a, RJM 1965:4B365)
5. On the maximum value of sums of products, *Gazeta da Matemática* 94/95 (1964), 1-3. (MR 30-3052) [A first version of this paper, written in Portuguese while a student, was awarded the Francisco Gomes Teixeira Prize, in 1962]
6. Remarque sur le théorème de Rado (with A. S. Gonçalves), *Gazeta da Matemática* 96/97 (1964), 20-21. (MR 31-5815)
7. On the Boolean matrix equation $M' = \bigvee_{i=1}^d M^i$, *Journal of the Association for Computing Machinery* 12 (1965), 376-382 (Corrigenda, idem 14 (1967), 419-420). (MR 34-5587; MR 38-5377, CA 9-2281, IEEE-Trans. EC 15(1) (1966) Abstract 4186).
8. Some results on the tree realization of a distance matrix, in: *Théorie des Graphes – Journées Internationales d'Étude, Rome 1966*, 383-388 (Dunod Éditeur, Paris; Gordon and Breach, New York, 1967). (MR 36-2523, RJM 1968:7B246).
9. Some comments on the traffic assignment problem, in: *Beiträge zur Theorie des Verkehrsflusses – Referate anlässlich des IV. Internationales Symposium über die Theorie des Verkehrsflusses in Karlsruhe im Juni 1968*, 220-223. (Wilhelm Leutzbach, Paul Baron, eds.) (Herausgegeben vom Bundesministerium für Verkehr, Bonn, 1969)

A follow-up to this paper was published in Portuguese: O problema da Afectação do Tráfego e os Métodos do Ponto-fixe, *Revista da Faculdade de Ciências de Coimbra* XLII.
10. Boolean permanents, permutation graphs and products, *SIAM Journal on Applied Mathematics* 16 (1968), 1251-1254. (MR 38-3180)

11. Pseudo-symmetry, circuit-symmetry and path-symmetry of a digraph in: *Recent Progress in Combinatorics* (W. T. Tutte, ed.), 295-299 (Academic Press, New York 1969) (MR 40-5501; RJM 1971:12B638)
12. A note on the tree realizability of a distance matrix, *Journal of Combinatorial Theory* 6 (1969), 303-310 (MR 38-5650; RJM 1969:11B310).
13. Algorithm 355: An algorithm for generating Ising configurations [Z], *Communications of the Association for Computing Machinery* 12 (1969), 562. (CA 13-3478a) [NOTE: This algorithm revealed an ambiguity in the description of the then famous ALGOL 60 programming language]
14. Connectivity, line-connectivity and J-connection of the total graph, *Mathematische Annalen* 196 (1972), 48-57 (MR 45-8568; RJM 1972:9B328).
15. A note on the cycle multiplicity of line-graphs and total graphs, *Journal of Combinatorial Theory Ser. B* 12 (1972), 194-200. (MR 46-5173; RJM 1972:9B351).
16. On subgraphs as matroid cells, *Mathematische Zeitschrift* 127 (1972), 315-322. (MR 47-6522 RJM 1973:2B334)
17. Some remarks on a game with graphs (with Isabel Maria S. N. Zuzarte) *Journal of Recreational Mathematics* 6 (1) (1973), 54-60 (MR 55-2667; RJM 1973:9B399).
18. On matroids on edge sets of graphs with connected subgraphs as circuits, *Proceedings of the American Mathematical Society* 38 (1973), 503-506. (MR 47-3214; RJM 1974:1B364)
19. A note on graphs with prescribed clique and point-partition numbers, *Journal of Combinatorial Theory Ser. B* 14 (1973), 256-258. (MR 47-3257; RJM 1973:10B333).
20. Matroids, graphs and topology, in: *Proceedings of the Fifth Southeastern Conference on Combinatorics, Graph Theory and Computing* (F. Hoffman, R. A. Kingsley, R. B. Levow, R. C. Mullin, R. S. D. Thomas, eds.), 145-155 (Utilitas Mathematica, Winnipeg, Manitoba, Canada 1974): (MR 50-9635).
21. On graphs uniquely partitionable into n-degenerate subgraphs, in: *Colloquia Mathematica Societatis János Bolyai 10: Infinite and Finite Sets*, vol III, 1351-1364. (North-Holland, Amsterdam 1975). (MR 53-2758).

22. On matroids on edge sets of graphs with connected subgraphs as circuits – II, *Discrete Mathematics* 12 (1975), 55-78. (MR 54-7298; RJM 1976:2B480).
23. Subgraphs as circuits and bases of matroids, *Discrete Mathematics* 12 (1975), 79-88. (MR 52-7940; RJM 1976:2B481)
24. Just two total graphs are complementary (with Fernando Escalante), *Monatshefte für Mathematik* 81 (1976), 5-13. (MR 53-7860; RJM 1976:10B395).
25. Joins of n -degenerate graphs and uniquely (m, n) -partitionable graphs, *Journal of Combinatorial Theory Ser. B* 21 (1976), 21-29. (MR 54-7304; RJM 1977:3B425)
26. A survey of k -degenerate graphs, *Graph Theory Newsletter* 5 (6), July 1976. (MR 55-199).
27. A note on finite topologies and switching functions, *Discrete Mathematics* 18 (1977), 299-310. (MR 57-5481; RJM 1978:9B517).
28. A comment on matroidal families, in: *Colloques Internationaux CNRS – Problèmes Combinatoires et Théorie des Graphes, Orsay, Juillet 1976*, 385-387 (Éditions du CNRS, Paris 1978). (MR 81b:05031; RJM 1979:2B482)
29. Edge sets of hypergraphs with a B_q -like property and partition numbers of graphs (with Christine Palm), in: *Colloquia Mathematica Societatis János Bolyai 18: Combinatorics*, pp 793-804 (North-Holland, Amsterdam 1978). (MR 80c:05105; RJM 1979:10B384).
30. Locally k -degenerate graphs: a definition and two conjectures, *Journal für die reine und angewandte Mathematik* 299/300 (1978), 80-83 (MR 80a:05173; RJM 1979:1B606)
31. On nonhamiltonian homogeneously traceable digraphs (with J. C. Bermond and Christina M. Zamfirescu), *Mathematica Japonica* 24 (1979), 423-426. (MR 82d: 05063; RJM 1980:8B352).
32. Erdős-Hajnal well-orderings and n -degenerate graphs, *Abhandlungen aus dem mathematischem Seminar der Universität Hamburg* 50 (1980), 101-107. (MR 82b:05112; RJM 1981:4B504).

33. Submatrices of nontree-realizable distance matrices (with Christina M. Zamfirescu), *Linear Algebra and its Applications* 44 (1982), 1-17 (MR 83j: 05061; RJM 1982: 11B632)
34. A note on optimal and suboptimal digraph realizations of quasidistance matrices, *SIAM Journal on Algebraic and Discrete Methods* 5 (1984), 117-132 (MR 85i:05166).
35. On optimal embeddings of metrics in graphs (with W. Imrich and Christina M. Zamfirescu), *Journal of Combinatorial Theory Ser. B* 36 (1984), 1-15 (MR 85i:05089; RJM 1984:12B751)
36. A note on distance matrices with unicyclic graph realizations, *Discrete Mathematics* 65 (1987), 277-287. (MR 88k:05136)
37. A note on convexity and submatrices of distance matrices, *Linear and Multilinear Algebra* 20 (1987), 363-366. (MR 88f:05080).
38. Underlying graph and total length of optimal realizations of variable distance matrices, *Graphs and Combinatorics* 3 (1987), 383-393. (MR 88i:05172; RJM 1988:3B642).
39. An optimality criterion for graph embeddings of metrics, *SIAM Journal on Discrete Mathematics* 1 (1988), 223-229. (MR 90c:05077)
40. An optimality criterion and the total length of the graph realization of a distance matrix, *Annals of the New York Academy of Sciences (Proceedings of the 3rd International Conference on Combinatorics, June 1985)* 555 (1989), 383-393. (MR 90k:05137).
41. A flavor of matroids, graphs and optimal job assignment problems in Operations Research, in: *Combinatorics, Computing and Complexity* (Du Dingzhu and Hu Guoding, editors), 173-190 (Science Press, Beijing, Kluwer Academic Publishers, Dordrecht, Boston, London 1989).
42. An algorithm and its role in the study of optimal graph realizations of distance matrices, *Discrete Mathematics* 79 (1990), 299-312.
43. An algorithm for tree-realizability of distance matrices (with Vladimir Batagelj and Tomaž Pisanski), *International Journal of Computer Mathematics* 34 (1990), 171-176.
44. Matroidal families of graphs, in: *Matroid Applications*, vol. III, 91-105 (Neil White, editor) (Cambridge University Press, Cambridge 1992).

45. Non-canonical bases of cycle and cutset spaces of graphs, (Proceedings of the Cape Verde International Days in Mathematics April 22-25, 2013), *Hindawi Publishing Corporation, Conference Papers in Mathematics* vol. 2013, Article ID 785625, <http://dx.doi.org/10.1155/2013/785625>.
46. Alignments, Topologies, Convex Geometries and Higgs Spaces, *Journal of Mathematics and System Science* 4 (2014), 158-163.
47. A note on the Beauvois-Lopez densification operator, *Journal of Multiple-Valued Logic and Soft Computing*, vol. 25, issues 4-5 (2015), 529-534.
48. A look at the Fourier equation on the spherical surface, *Journal of Mathematical Analysis*, vol. 6, issue 3 (2015), 27-45.
49. An existence problem for matroidal families, in: *Convexity and Discrete Geometry Including Graph Theory, Mulhouse, France, September 7-12, 2014* (K. A. Adiprasito, I. Bárány, C. Vilcu, editors), Springer Proceedings in Mathematics & Statistics, vol 148 (2016), 161-162 (chapter 24).
50. The alternating group of degree 5 and the icosahedron rotations: seeing, not only proving, <http://arXiv.org/abs/1602.03732> [math HO] 29 January 2016.

RESEARCH PROBLEMS

1. Advanced Research Problem 5606 (on series), *The American Mathematical Monthly* 75 (1968), 686.
2. Advanced Research Problem 5623 (on series), *The American Mathematical Monthly* 75 (1968), 911.
3. A research problem on determinants, in: *Colloquia Mathematica Societatis János Bolyai 10: Infinite and Finite Sets*, vol III, 1554 (North-Holland/American Elsevier, 1975).
4. A reconstruction problem in three formulations, in: *Colloquia Mathematica Societatis János Bolyai 18: Combinatorics*, vol. II, 1211-1212 (North-Holland, Amsterdam 1978).

OF PROFESSIONAL OR CULTURAL INTEREST

1. Letter to the Editor of "Consensus?", *SIAM News* 6 (August 1973), 3.

2. Letter to the Editor of *Notices of the American Mathematical Society* 20 (October 1973), 310.
3. Computer Science Curriculum 78, *Notices of the American Mathematical Society* 26 (May 1979), 309-310.
4. Operations Research, *Notices of the American Mathematical Society* 26 (June 1979), 401-402.
5. Refereeing papers, *Notices of the American Mathematical Society* 27 (January 1980), 75-76.
6. A reader's response to a previous column, *Interface – the computer education quarterly* 2 (1980), 12-14.
7. “Proposta de Criação de uma Associação de Cientistas Portugueses Residentes no Estrangeiro”, a talk given on December 4th, 1980 at the meeting “A Universidade Portuguesa nos anos 80”, held at the Instituto Superior Técnico, in Lisbon.
8. Entre a Geometria e a Matemática Discreta, in: *Estudos de Topologia e Geometria, em homenagem ao Prof. Doutor José Bayolo Pacheco de Amorim*, pages 69-79 (Departamento de Matemática da Universidade de Coimbra, Coimbra, 1991).
9. Tem a Matemática Impacto Cultural?, *ZACUTO – Revista Científica* (ISLA – Instituto Superior de Leiria), 2/3 (1999), 87-93.
10. Author-Pay Solution for Math Journals, *Notices of the American Mathematical Society* 60 (June/July 2013), 681.
11. Authors, Editors and Referees, *Notices of the American Mathematical Society* 60 (November 2013), 1279-1280.

THESES AND LECTURE NOTES FOR GRADUATE COURSES

1. *Sobre um Problema da Teoria dos Grafos*, Coimbra, 1966. (Tese de Doutoramento, Ph.D. Thesis)
2. *Tópicos sobre Teoria dos Grafos*, O Instituto CXXXII (1968), 1-89. (Thesis for the so-called "Agregação", an equivalent to the german Habilitationsschrift)

3. *Graphs, Matroids and Topology* (Lecture Notes), Instituto de Física e Matemática, Lisboa-4, 1974.
4. *Introdução à Topologia* (Notas de Curso, Lecture Notes), Departamento de Matemática da Universidade de Coimbra, Coimbra, 1999 (*iii*+191 pages).

BOOKS AND ESSAYS

1. *Matemática Discreta: Tópicos de Combinatória*, Editora Luz da Vida, Coimbra, 2006 (isbn: 9789729900969), (*viii*+264 pages) (MathSciNet MR2364978 (Indexed only); Zbl: 1204.05003; Gazeta de Matemática, vol. 152 (2007), 28-30).
2. *Matemática Discreta: Grafos, Redes, Aplicações*, Editora Luz da Vida, Coimbra, 2009 (isbn: 9789729900976) (*x*+603 pages) (MR: 2010g:05005; Zbl: 1204.05002; Boletim da SPM, vol. 63 (2010), 63-65).
3. *Topologia: Introdução e Deambulação Incomuns*, Editora Luz da Vida, Coimbra, 2012 (isbn: 9789729900990) (*viii*+511 pages) (MathSciNet MR3052547; Zbl: 1275.54001).
4. *Introdução à Matemática Combinatória*, Editora Interciência, Rio de Janeiro (Brazil), 2013 (isbn 9788571932920) (*xii*+326 pages).
5. *Grafos e Redes: Teoria e Algoritmos Básicos*, Editora Interciência, Rio de Janeiro (Brazil), 2014 (isbn 9788571933316) (*xii*+342 pages).
6. *Convicções e Ceticismos: na Ciência e na Cultura*, Editora Luz da Vida, Coimbra, 2014 (isbn 9789899884403) (*viii*+97 pages).
7. *Álgebra e Análise em Teoria dos Grafos*, Editora Interciência, Rio de Janeiro (Brazil), to appear, 2016.

These lists do not include lecture notes for use in undergraduated classes. Nor do they include a Ph.D. thesis, *Sobre a Teoria da Equação da Difusão Bidimensional*, submitted in 1965 and withdrawn a few months later: its second chapter was based on a paper by his supervisor which contained an error they had not initially detected.

CO-AUTHORS LIST:

V. Batagelj, J. C. Bermond, F. Escalante, A. S. Gonçalves, W. Imrich, C. Palm, T. Pisanski, C. Zamfirescu, I. Zuzarte.

INTERVIEWS

In the five-year period 1997-2002, he conducted interviews with portuguese and foreign mathematicians, some of them wellknown as researchers, others as high school teachers. These interviews were published in the *Boletim da Sociedade Portuguesa de Matemática* (for short, Bol. SPM), a publication of the Portuguese Mathematical Society. Here the list of the interviewed people:

1. José Machado Gil, retired educator, Bol. SPM. 36 (1997), 65-70.
2. Tatiana Tchemisova, soviet mathematician, now a professor at ISLA, a private College in Leiria (Portugal), Bol. SPM. 36 (1997), 71-76.
3. Maria de Fátima A. Gonçalves, applied mathematician, now teaching at ISCAC, a Technical College for Accounting, in Coimbra, Bol. SPM. 37 (1997), 113-119.
4. Helena Farate, Teresa Mariano, Alcino Simões, organizers of this year meeting of high school teachers (more than 1,500 participants), Bol. SPM 37 (1997), 120-126.
5. Paulo Enes da Silveira, applied mathematician, musician and business man, Bol. SPM 38 (1998), 89-98.
6. Charles R. Johnson, professor at the College of William and Mary, a frequent guest of Portuguese universities, Bol. SPM 40 (1999), 97-110.
7. J. A. Perdigão Dias da Silva, first elected CIM President, Bol. SPM 42 (May 2000), 103-112.
8. Yulin Zhang, a Chinese educated female mathematician, professor at the University of Minho, Bol. SPM 43 (October 2000), 135-141.
9. Frank Harary, "Mister Graph Theory", Bol. SPM 47 (2002), 87-95.

CITATIONS LIST

The following is a list of citations which we know of. Note that some of these authors refer to papers published decades earlier and that the list does not include citations of his own papers by the author or by his students in thesis, reports and the like. In the code "*n* cited" the number *n* is the number of the cited paper in the Publications List; "*n*-Books" refers to the list of books.

At this writing, in Mai 2016, the ResearchGate claims 291 citations of his work, many more than we were patient enough, and willing, to list here; only a sample is listed below.

CITATIONS APPEARING IN THESES AND PREPRINTS

1. William P. Krum: *Investigation of distance on a linear graph*, Ph.D Thesis, Department of Electronic Engineering, University of California, Berkeley. (8, 12 cited)
2. Narsingh Deo: NASA - Technical Report 32-1413 Supplement 1: *An extensive English Language Bibliography on Graph Theory and its Applications*, Jet Propulsion Laboratory, Pasadena, California, April 15, 1971. (7, 10, 11, 12 cited)
3. Christina Maria Zamfirescu: *Lokale und globale Untersuchungen der Line-Middle- und Total-Digraphen* Rheinisch-Westfälische Technische Hochschule Aachen, 1977 (14, 15 cited)
4. Matthias Middendorf: *Symmetric matroids and connectivity properties of graphs* Universitaet Koeln, 1991.
ftp://ftp.zpr.uni-koeln.de/pub/paper/zpr_91-104.ps.gz 19931022 (18 cited)
5. Encontro de Cientistas Portugueses Residentes no Estrangeiro. Discursos e Reflexões, in *Cadernos Universidade Hoje, Série: Momentos*, Universidade de Aveiro, 1996 (ISBN 972-8021-20-8), pág. 14 (Actas do congresso sobre o mesmo tema realizado em Aveiro em Dezembro de 1995, patrocinado pelo Instituto Rodrigues Lapa). (Cites number 7 from the list of professional interest but the author's name is not given).
6. George Christopher: *Structure and Applications of Totally Decomposable Metrics*, Ph.D. Thesis, Carnegie Mellon University, May 1997. (43 is cited with an erroneous title!)
mat.gsia.cmu.edu/trick/christofer.ps
7. Mathias Schacht: *A Turan theorem for random graphs*, Master Thesis, Emory University, 2002. (26 cited)
8. Alice Lesser: *Extremal optimal realizations*, Masters Thesis, U.U.D.M. Report 2007:53 ISSN 1101-3591 Uppsala University. (34, 35 cited)
9. Alice Lesser: *Optimal and Hereditarily Optimal Realizations of Metric Spaces*, Ph.D. Thesis, Uppsala University, 2007-11-30. (12, 35 cited)

CITATIONS IN BOOKS OR BOOK CHAPTERS

1. Horst Sachs, Heinz-Jürgen Voss, Hansjoachim Walther, editors: *Beiträge zur Graphentheorie*, Vorgetragen auf dem Internationalen Kolloquium in Manebach (DDR) vom 9.-12. Mai 1967, B. G. Teubner Verlagsgesellschaft, Leipzig, 1968. (8 cited)
2. Frank A. Haight: *Transportation Research*, Science Direct (on-line service), 1970. (9 cited).
3. Wai-Kai Chen: *Applied Graph Theory*, North-Holland, 1971. (12 cited)
4. A. T. Bertiss: *Data Structures - Theory and Practice*, 2nd edition, Academic Press, New York, 1975. (7 cited)
5. Domenic J. A. Welsh: *Matroid Theory*, Academic Press, 1976. (16, 18 cited)
6. Michael Capobianco, John C. Molluzzo: *Examples and Counterexamples in Graph Theory*, North-Holland, New York, 1978. (14, 15 cited)
7. Rudolf Halin: *Graphentheorie I*, Wissenschaftliche Buchgesellschaft, Darmstadt, 1980. (26 cited)
8. Rudolf Halin: *Graphentheorie II*, Wissenschaftliche Buchgesellschaft, Darmstadt, 1981. (16 cited)
9. Mehdi Behzad, Gary Chartrand, and Linda Lesniak-Foster: *Graphs & Digraphs*, Wadsworth International Group, Belmont, California, 2nd printing, 1981. (26 cited)
10. Richard Guy: Graphs and Games, in: *Selected Topics in Graph Theory 2* (L. W. Beineke, R. J. Wilson, eds.) Academic Press 1983, 269-295. (17 cited)
11. Nancy B. Stern, Robert A. Stern: *Computers in Society*, Englewood Cliffs - Prentice Hall, 1983. (The paper they cite is the number 6 in the list of papers of professional interest).
12. B. G. Mirkin, S. N. Rodin: *Graphs and Genes* (Translated from the Russian by H. Lynn Bens), Springer Verlag, 1984. (8 cited)
13. A. A. Zykov: *Osnovy Teorii Grafov* (em Russo, in Russian), Nauka, Moscovo, 1987. (12, 33, 35 cited)

14. S. V. Yushmanov: *Metody Teorii Grafov v Evolyutsii*. Postroenie Filogeneticheskikh Skhem, (in russian) in *Matematicheskaya Kibernetika i ee Prilozheniya k Biologii* (L. V. Krushinskoy, S. V. Yablonskov, O. B. Lupanova, eds.) University of Moscow (1987), 101-140. (12, 33, 34, 35 cited)
15. Fred Buckley, Frank Harary: *Distance in Graphs*, Addison Wesley Publishing Company, Reading – Massachusetts and London, 1990. (12, 33, 34, 39, 42 cited)
16. Erich Prisner: *Graph Dynamics*, Longman Group Limited, Essex, England, 1995. (14, 24 cited)
17. Geerte de Soete, J. Douglas Carroll: Tree and other network models for representing proximity data, pg. 157-198, in: *Clustering and Classification* (Phipps Arabie, Lawrence J. Hubert, Geerte de Soete, editors) World Scientific Publishers, River Edge, New Jersey, 1996. (12 cited)
18. Dieter Jungnickel: *Graphs, Networks and Algorithms*, Algorithms and Computation in Mathematics - Volume 5, Springer 1999. (35, 39 cited)
19. Stanley Gill Williamson: *Combinatorics for Computer Science*, Computer Science Press, Rockville, Maryland, 1985 (Dover republication, 2002). (22 cited)
20. Elwyn R. Berlekamp, John Horton Conway, Richard K. Guy: *Winning ways for your mathematical plays*, 2003. (Chapter 17 Spots and Sprouts, pg. 606-607: 17 cited).
21. Béla Bollobás: *Extremal Graph Theory*, Academic Press, London, 1978 (Dover republication, 2004). (19, 21 cited)
22. Ming-Yang Kao (editor-in-chief): *Encyclopedia of Algorithms*, Springer, 2008. (43 cited)
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24. Andreas Dress, Karl-Ernst Biebler, Dietmar Cieslik, Georg Füllen, Martin Haase, Bernd Jäger: *Phylogenetic Combinatorics*, Shaker Publishing Company, Greifswald (Germany), 2009 (ISBN 978.3.8322.7481.8). (33 cited)

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PLAGIARIZED PAPERS

Mahimarajan Adhikary published a paper *The connectivity of squares of box graphs*, Math. Balkanica (N.S.) 20 (2006), 379-385, with L. K. Pramanik as co-author. Angeles Carmona, writes in his review (see Section 05C of *Mathematical Reviews*, August 2007 code MR2269739 (2007h:05087): *The paper copies results that were obtained long ago... The results presented can be found in J. M. S. Simões-Pereira, Math. Annalen 196 (1972), 48-57. (Paper number 14 in our list). He explains: For example, Lemmas 2.7, 2.8 and 2.9 are exact copies of Lemmas 1, 2 and 3 in the paper by Simões-Pereira cited above; even more, the phrasing before the lemmas is the same.*

The news appeared in MATH GATEWAY of *The Mathematical Association of America*, section *Math in the News*, January 28, 2008, saying *Prominent Mathematician in India Accused of Plagiarism*. It is said that *Adhikary holds prestigious positions in Indian mathematics: President of the Mathematics Division of the Indian Science Congress and Secretary of the Calcutta Mathematical Society*. According to the *Times of India*, dated January 2, 2008, the University of Calcutta had started court proceedings against Adhikary.

(See <http://mathgateway.maa.org/do/ViewMathNews>).

CONTACTS

Prof. J. M. S. Simões-Pereira
Departamento de Matemática, Universidade de Coimbra
Apartado 3008; PT3001-454 Coimbra - Portugal
E-mail: siper@mat.uc.pt
ORCID: 0000 0001 8930 5932
Date: 2016.05.12