

Personal Data

Pál Béla Dr. Dömösi (Pál Dömösi)

Professor Emeritus, Institute of Mathematics and Informatics, Nyíregyháza University, Nyíregyháza, Hungary & Leading Researcher and Lecturer, Faculty of Informatics, Debrecen University, Debrecen, Hungary

Date & Place of Birth: October 29th, 1943, Munkács, Hungary

Citizenship: Hungarian

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Academic Qualifications (Education):

- 1994 D.Sc. in Mathematics, Academy of Science, Budapest, Hungary
- 1983 Ph.D. in Mathematics, Academy of Science 1994, Budapest, Hungary
- 1979-1982 mathematics PhD student, University of Economics, Budapest, Hungary
- 1967-1969 computer science student, József Attila University, Szeged, Hungary
- 1961-1966, mathematics & physics student, József Attila University, Szeged, Hungary

Employment (Professional Experiences):

- 2013- present Professor Emeritus, Institute of Mathematics and Informatics, Nyíregyháza University, Nyíregyháza, Hungary (www.nye.hu)
- 2013-present Leading Researcher and Lecturer, Faculty of Informatics, Debrecen University, Debrecen, Hungary (www.unideb.hu/en/home)
- 2008-2013 Professor, Institute of Mathematics and Informatics, Nyíregyháza College (later Nyíregyháza University), Nyíregyháza, Hungary (www.nye.hu)
- 2000-2008 Professor & Chairman, Department of Computer Science, Faculty of Informatics, Debrecen University, Debrecen, Hungary (www.unideb.hu/en/home)
- 1989-1994 Associate Professor, Institute of Mathematics and Informatics, Faculty of Science, Debrecen University, Debrecen, Hungary (www.unideb.hu/en/home)
- 1982-1989 Scientific Advisor, Computer Center, Debrecen University, Debrecen, Hungary (www.unideb.hu/en/home)
- 1979-1982 PhD Scholarship Holder, Institute of Mathematics and Computer Science, University of Economics, Budapest, Hungary
- 1968-1979 Mathematician, Department of Computer Science, Building Co. of Southern Hungary, Szeged, Hungary
- 1967-1968 Computer Operator, Computer Center, Szeged University, Szeged (<http://www.u-szeged.hu/english>)
- 1966-1967 Assistant Mathematician, Hungarian Cable Works, Szeged, Hungary

Visiting Positions

- 2014 JSPS (Japan Society for Promotion of Science) research fellowship for 2 months, Kyoto Sangyo University, Japan

- 2013 JSPS (Japan Society for Promotion of Science) research fellowship for 1 months, Kyoto Sangyo University, Japan
- 2010 JSPS (Japan Society for Promotion of Science) research fellowship for 10 months, Kyoto Sangyo University, Japan
- 2009 Research grant for 3 months from Direccion General de Universidades, Secretaria de Estado de Education y Universidades, Ministerio de Education, Cultura y Deporte (SAB2001-0081), Rovira i Virgii Universiry, Tarragona, Spain
- 2007 JSPS (Japan Society for Promotion of Science) research fellowship for 2x1 months, Kyoto Sangyo University, Japan
- 2006 JSPS research fellowship for 1 month, Kyoto Sangyo University, Japan
- 2004-2005 JSPS research fellowship for 10 months, Kyoto Sangyo University, Japan
- 2004 JSPS research fellowship for 2 months, Kyoto Sangyo University, Japan
- 2003 Research grant for 6 months from Direccion General de Universidades, Secretaria de Estado de Education y Universidades, Ministerio de Education, Cultura y Deporte (SAB2001-0081), Rovira i Virgii Universiry, Tarragona, Spain
- 2001 JSPS research fellowship for 1 month, Kyoto Sangyo University, Japan
- 2000 EGIDE fellowship for 1 month as a visiting professor at the LIAFA - Paris-7 University, France
- 1999 DAAD (German NSF) fellowship for 2 months as a visiting scientist at the University of Hamburg, Germany
- 1999 JSPS Research Fellowship for 1 month, Kyoto Sangyo University, Japan
- 1998 JSPS Research Fellowship for 1 month, Kyoto Sangyo University, Japan
- 1998 Visitor Professor for 2 months, the University of Turku, Finland
- 1997-1998 Invited Professor for 11 months, the University of Aizu, Japan
- 1996 Tempus Individual Mobility Grant for 3 months spent as a visiting researcher at the University of Twente, the Netherlands
- 1994-1995 Soros Foundation fellowship for 9 months spent as a visiting scientist at the Kyoto Sangyo University, Japan
- 1994 DAAD (German NSF) fellowship for 2 months as a visiting scientist at the University of Hamburg, Germany

Conference Organizations:

- 14th International Conference, on Automata and Formal Languages, May 27-29, 2014, Szeged, Hungary (PC member, <http://www.nyf.hu/afl11/>)
- 13th International Conference, on Automata and Formal Languages, August 17-22, 2011, Debrecen, Hungary (chairman, <http://www.nyf.hu/afl11/>)
- 12th International Conference, on Automata and Formal Languages, May 27-30, 2008, Balatonfüred, Hungary (PC member, <http://www.conferences.hu/afl2008/>)
- 11th International Conference, on Automata and Formal Languages, May 17-20, 2005, Dobogókő, Hungary (PC member, <http://www.inf.u-szeged.hu/projectdirs/afl05/>)
- 10th International Conference, on Automata and Formal Languages, August 13-18, 2002, Debrecen, Hungary (chairman)

- 9th , 8th , 7th Int. Conf. on Automata and Formal Languages (chairman, Math. Reviews 1943539, Math. Reviews 2000c : 68088, Math. Reviews 96m : 68003)

Services & Committees:

- Editorial Board of *Publicationes Mathematicae*, Hungary (1994-present)
- Editorial Board of *Mathematica Japonica*, Japan (1996-present)
- Editorial Board of *Scientiae Mathematicae*, Japan (1996-present)
- Principal investigator of a research project entitled 'Automata and Formal Languages', Hungarian NSF Grant No. T049409, 2005 - 2008
- Hungarian principal investigator of a French-Hungarian joint research project „Balaton", 2004-2005
- Hungarian principal investigator of a XEROX (U.S.A.) -Debrecen University (Hungary) joint research project, 2004-2006 given by Xerox University Affairs Committee (No 1478-2004)
- Principal investigator of a research project entitled 'Formal Languages and Automata', Research -Grant given by Hungarian Ministry of Education 1996 -98 (No. 222)
- Hungarian principal investigator of a joint Japanese-Hungarian research project entitled 'Languages and Automata', given by HAS and JSPS 1997 - 2000
- Principal investigator of a research project entitled 'PDL Robots and VRML Languages', Hungarian NSF Grant No. T4295, 1992 - 94
- Principal investigator of a research project entitled 'Formal Languages and Automata', Research Grant given by Hungarian Ministry of Education, No. 222, 1996 - 98
- Pro Renovanda Culturae Hungariae Grant No. 31/94/Tud, 1994 and No. 1158/93/Dcs, 1993
- Universitas Foundation Grant No. IV/8/1999, No. IV/8/1996, No. IV/9/1996, No. I.15/1994/VI, 1994 and Grant No. I.15/1994/VIII, 1994

Scholarly Achievements:

- Publications: Have (2) Monographs, (79) Publications in reviewed journals of Mathematics and Informatics.
- Conferences & Talks: Participated in (16) International Conferences and Workshops, present (16) talks.
- Academic Activities: Had (19) Scientific Visits world-wide & Editor of (3) Mathematical reviewed journals.
- PhD Thesis Supervision: supervised 3 PhD Dr Students at Debrecen University (Yoshiyuki Kunimochi, 2009; Gábor Balázsfalvi, 2008; Ngoc Thang Dao, 1990)
- Main organizer (chairman) of (5) international conferences (13th, 10th, 9th, 8th, 7th International Conference on Automata and Formal languages)
- Awards: Award of the Faculty of Informatics, Debrecen University , Debrecen, 2008; Innovation Prize of Debrecen University, 2006; Awarded the distinguished Széchenyi

Professorship (Hungary) for 2000 – 2003; Distinction (Award) given by Ministry of Hungarian Education, 1988

Research Interests:

Algebra; Theory of Formal languages; Theory of Automata; Cryptography

List of Publications:

1. Monographs

- Context-Free Languages and primitive Words. World Scientific, Lecture Notes Series., Singapore, 2014, 520 pp, ISBN: 978-981-4271-66-0 (with M. Ito)
- Algebraic Theory of Automata Networks. *SIAM Monographs on Discrete Mathematics and Applications* 11 (2004). *Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA*, 2004. xxii+258 pp. ISBN: 0-89871-569-5 (with C. L. Nehaniv)

2. Editing Conference Proceedings

- Dömösi, Pál (ed): Proc. 9th , 8th , 7th Int. Conf. on Automata and Formal Languages (Math. Reviews 1943539, Math. Reviews 2000c : 68088, Math. Reviews 96m : 68003)
- Dömösi, Pál, Iván, Szabolcs (eds): 13 th Int. Conf. on Automata and Formal Languages.

3. Other Publications

79. P. Dömösi, Sz. Fazekas, M. Ito: On Chomsky Hierarchy of palindromic Languages. *Acta Cybernet.*, 22(3): 703-713, 2016.

78. P. Dömösi and G. Horváth: A novel cryptosystem based on Gluskov product of automata. *Acta Cybernet.*, 22(2): 359-371, 2015.

77. P. Dömösi and G. Horváth: A novel cryptosystem based on abstract automata and Latin cubes. *Studia Sci. Math. Hung.*, vol 52 (2), 2015, 221-232.

76. Dömösi, Pál ; Fazekas, Szilárd, Zsolt; Zita Kovács: Some Results on Bounded Context-Free Languages. Gh. Paun, G. Rozenberg, A. Salomaa (eds.): *Discrete Mathematics and Computer Science*, Romanian Acad. Sci., 2014: 119-136.

75. [Dömösi, Pál](#); Maróti, György: On α_2 - ν_2 -products of automata. *Acta Inf.* **48**(7-8) (2011): 397-408.

74. Bel-Enguix, Gemma; Dömösi, Pál; Krassovitskiy, Alexander: Parsing by Simple Insertion Systems. Filipe, [Joaquim](#), Fred, Ana, L. N.; Sharp, [Bernadette](#) (eds.): ICAART 2010, Proc. Internat. Conf. on Agents and Artificial Intelligence, Volume 2 - Agents, Valencia, Spain, January 22-24, 2010. INSTICC Press 2010, 383-387.

ICAART 2010, 383-387.

73. [Dömösi, Pál](#): A Novel Cryptosystem Based on Finite Automata without Outputs. Ito, Masami; Kobayashi, Yuji; Shoji, Kunitaka (eds.): AFLAS'08, Proc. Int. Conf. On Automata, Formal languages and Algebraic Systems, Kyoto, Japan, 20-22 September 2008, World Scientific, New Jersey, London, Singapore, Beijing, Shanghai, Hong Kong, Taipei, Chennai, 2010, 23-32.

72. [Dömösi, Pál](#): A Novel Stream Cipher Based on Finite Automata. Vlad, Madalin Stefan and Sgarciu, Valentin (eds.): Intellisec'09, Proc. 1st Int. Conf. On Intelligent Security Systems, November 11-14, 2009, Bucharest, Romania, 2009, Editura Printech, 16-25.

71. [Dömösi, Pál](#); [Horváth, Géza](#); [Vuillon, Laurent](#): On the Shyr-Yu theorem. *Theoret. Comput. Sci.* **410** (2009), no. 47-49, 4874–4877.

[MATHEMATICAL REVIEWS 2583684]

70. [Dömösi, Pál](#): Automata networks without any Letichevsky criteria. *Automata, formal languages, and related topics*, 39–54, Univ. Szeged. Inst. Inform., Szeged, 2009.

[MATHEMATICAL REVIEWS 2553623]

69. [Dömösi, Pál](#); [Ito, Masami](#); [Marcus, Solomon](#): Marcus contextual languages consisting of primitive words. *Discrete Math.* **308** (2008), no. 21, 4877–4881,

[MATHEMATICAL REVIEWS2446097_(2009m:68135)]

68. [Dömösi, Pál](#); [Horváth, Géza](#); [Ito, Masami](#); [Shikishima-Tsuji, Kayoko](#): Some periodicity of words and Marcus contextual grammars. *Vietnam J. Math.* **34** (2006), no. 4, 381–387. [MATHEMATICAL REVIEWS2286745_(2008b:68067) (Reviewer: Juha M. Kortelainen)]

67. [Dömösi, Pál](#); [Horváth, Géza](#): Alternative proof of the Lyndon-Schützenberger theorem. *Theoret. Comput. Sci.* **366** (2006), no. 3, 194–198.

[MATHEMATICAL REVIEWS2275270_(2007g:68133)]

66. [Dömösi, Pál](#); [Kudlek, Manfred](#): New iteration lemmata for regular languages. *Fund. Inform.* **64** (2005), no. 1-4, 151–157.

[MATHEMATICAL REVIEWS2347550_(2008i:68062) (Reviewer: Cireșica Jalobeanu)]

65. [Dömösi, Pál](#); [Horváth, Géza](#): The language of primitive words is not regular: two simple proofs. *Bull. Eur. Assoc. Theor. Comput. Sci. EATCS* **No. 87** (2005), 191–197

[MATHEMATICAL REVIEWS 2192307]

64. [Dömösi, Pál](#); [Horváth, Géza](#): On products of primitive words. *Automata and formal languages*, 112–121, *Univ. Szeged. Inst. Inform., Szeged*, 2005.
[MATHEMATICAL REVIEWS 2153672_(2006a:68141)]
63. [Dömösi, Pál](#); [Nehaniv, Chrystopher L.](#): Algebraic theory of automata networks. An introduction. *SIAM Monographs on Discrete Mathematics and Applications*, 11. *Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA*, 2005. xii+258 pp. ISBN: 0-89871-569-5
[MATHEMATICAL REVIEWS 2131631_(2005m:68004) (Reviewer: Alexandra Kireeva)]
62. [Dömösi, Pál](#); [Martin-Vide, Carlos](#); [Mateescu, Alexandryu](#): On polyslender context-free languages. *Publ. Math. Debrecen* [66 \(2005\), no. 1-2](#), 1–15.
[MATHEMATICAL REVIEWS 2128681]
61. [Dömösi, Pál](#); [Martín-Vide, Carlos](#); [Mitrana, Victor](#): Remarks on sublanguages consisting of primitive words of slender regular and context-free languages. *Theory is forever*, 60–67, [Lecture Notes in Comput. Sci.](#), [3113](#), *Springer, Berlin*, 2004.
[MATHEMATICAL REVIEWS 2106793_(2005h:68070)]
60. [Dömösi, Pál](#); [Horváth, Sándor](#); [Ito, Masami](#); [Katsura, Masashi](#): Some results on primitive words, palindromes and polyslender languages. *Publ. Math. Debrecen* [65 \(2004\), no. 1-2](#), 13–28.
[MATHEMATICAL REVIEWS 2075252_(2005c:68136) (Reviewer: Katsushi Inoue)]
59. [Dömösi, Pál](#); [Horváth, Géza](#); [Ito, Masami](#): A small hierarchy of languages consisting of non-primitive words. *Publ. Math. Debrecen* [64 \(2004\), no. 3-4](#), 261–267.
[MATHEMATICAL REVIEWS 2058901_(2005a:68116)]
58. [Dömösi, Pál](#); [Kudlek, Manfred](#): An improvement of iteration lemmata for context-free languages. *Words, languages & combinatorics, III (Kyoto, 2000)*, 185–191, *World Sci. Publ., River Edge, NJ*, 2003.
[MATHEMATICAL REVIEWS 2028874]
57. [Dömösi, Pál](#); [Ito, Masami](#): A parsing problem for context-sensitive languages—a correction to: "Characterization of languages by lengths of their subwords" [in Semigroups (Kunming, 1995), 117–129, Springer, Singapore, 1998; [MATHEMATICAL REVIEWS1747927](#)]. *Words, languages & combinatorics, III (Kyoto, 2000)*, 183–184, *World Sci. Publ., River Edge, NJ*, 2003.
[MATHEMATICAL REVIEWS 2028873]
56. [Dömösi, Pál](#); [Nehaniv, Chrystopher L.](#); [Rhodes, John L.](#): Finite semigroups, feedback, and the Letichevsky criteria on non-empty words in finite automata. *Theoret. Comput. Sci.* [302 \(2003\), no. 1-3](#), 295–317.
[MATHEMATICAL REVIEWS 1981953_(2004b:68108) (Reviewer: Wit Forýs)]
55. [Dömösi, Pál](#); [Okawa, Satoshi](#): A new form of homomorphic characterization of context-free languages. Japanese Association of Mathematical Sciences 2001 Annual Meeting (Tennoji). *Sci. Math. Jpn.* [57 \(2003\), no. 1](#), 43–48.
[MATHEMATICAL REVIEWS 1956899_(2003k:68058) (Reviewer: Erkki Mäkinen)]
54. [Okawa, Satoshi](#); [Hirose, Sadaki](#); [Dömösi, Pál](#): Homomorphic characterizations of poly-slender context-free languages. AFL'99 (Vasszécseny). *Publ. Math. Debrecen* [60 \(2002\), suppl.](#), 623–633.

[MATHEMATICAL REVIEWS 1943549_(2003k:68065)]

53. [Dömösi, Pál](#); [Kudlek, Manfred](#): Iteration lemmata for context-free and linear indexed languages. AFL'99 (Vasszécseny). *Publ. Math. Debrecen* [60 \(2002\), suppl.](#), 551–568.

[MATHEMATICAL REVIEWS 1943545_(2003k:68057)]

52. [Dömösi, Pál](#); [Ésik, Zoltán](#): A note on complete classes for the ν_3 -product. AFL'99 (Vasszécseny). *Publ. Math. Debrecen* [60 \(2002\), suppl.](#), 539–550.

[MATHEMATICAL REVIEWS 1943544_(2003k:68077)]

51. [Dömösi, Pál](#); [Okawa, Satoshi](#): A new form of homomorphic characterization of context-free languages (extended abstract). *Proceedings of the 5th Symposium on Algebra, Languages and Computation (Matsue, 2001)*, 11–13, Shimane Univ., Matsue.

[MATHEMATICAL REVIEWS 1928344]

50. [Dömösi, Pál](#): On complete classes of directed graphs. *Words, semigroups, & transductions*, 69–79, World Sci. Publ., River Edge, NJ, 2001.

[MATHEMATICAL REVIEWS 1914750_(2003e:05058) (Reviewer: Gary MacGillivray)]

49. [Dömösi, Pál](#): Some of my favourite unsolved problems. *Unsolved problems on mathematics for the 21st century*, 159–168, IOS, Amsterdam, 2001.

[MATHEMATICAL REVIEWS 1896674_(2003c:00001)]

48. [Dömösi, Pál](#); [Ésik, Zoltán](#): Homomorphic simulation and Letichevsky's criterion. 2nd Workshop on Descriptive Complexity of Automata, Grammars and Related Structures (London, ON, 2000). *J. Autom. Lang. Comb.* [6 \(2001\), no. 4](#), 427–436.

[MATHEMATICAL REVIEWS 1897052_(2003b:68145)]

47. [Dömösi, Pál](#); [Ito, Masami](#): Multiple keyword patterns in context-free languages. *Where mathematics, computer science, linguistics and biology meet*, 237–241, Kluwer Acad. Publ., Dordrecht, 2001.

[MATHEMATICAL REVIEWS 1890696]

46. [Dömösi, Pál](#): On the product of all elements in a finite group. *Acta Math. Acad. Paedagog. Nyházi.* (N.S.) [17 \(2001\), no. 2](#), 137–139 (electronic).

[MATHEMATICAL REVIEWS 1887659]

45. [Dömösi, Pál](#); [Ito, Masami](#): Irreducibility in equal length for finite semigroups. Algebraic semigroups, formal languages and computation (Japanese) (Kyoto, 2001). *Sūrikaiseikikenkyūsho Kōkyūroku* [No. 1222 \(2001\)](#), 50–52.

[MATHEMATICAL REVIEWS 1874826]

44. [Dömösi, Pál](#); [Okawa, Satoshi](#): A Chomsky-Schützenberger-Stanley type characterization of the class of slender context-free languages. *Acta Cybernet.* [15 \(2001\), no. 1](#), 25–32.

[MATHEMATICAL REVIEWS 1845370_(2002f:68093)]

43. [Dömösi, Pál](#); [Nehaniv, Chrystopher L.](#): On complete systems of automata. Semigroups and algebraic engineering (Fukushima, 1997). *Theoret. Comput. Sci.* [245 \(2000\), no. 1](#), 27–54.
[MATHEMATICAL REVIEWS 1784536_(2001h:68097) (Reviewer: Itsuo Takanami).]
42. [Dömösi, Pál](#): Superwords and context-free languages. Dedicated to Professor Kálmán Gyóry on the occasion of his 60th birthday. *Publ. Math. Debrecen* [56 \(2000\), no. 3-4](#), 313–320.
[MATHEMATICAL REVIEWS 1765984_(2001d:68127)]
41. [Dömösi, Pál](#) Unusual algorithms for lexicographical enumeration. *Acta Cybernet.* [14 \(2000\), no. 3](#), 461–468.
[MATHEMATICAL REVIEWS 1759297_(2001d:68126)]
40. [Dömösi, Pál](#); [Kudlek, Manfred](#): Strong iteration lemmata for regular, linear, context-free, and linear indexed languages. *Fundamentals of computation theory (Iași, 1999)*, 226–233, [Lecture Notes in Comput. Sci., 1684](#), Springer, Berlin, 1999.
[MATHEMATICAL REVIEWS 1850234]
39. [Dömösi, Pál](#); [Okawa, Satoshi](#); [Hirose, Sadaki](#): A Chomsky and Stanley type homomorphic characterization of the class of linear languages. *Bull. Eur. Assoc. Theor. Comput. Sci. EATCS* [No. 68 \(1999\)](#), 151–152.
[MATHEMATICAL REVIEWS 1727870]
38. [Dömösi, Pál](#); [Hauschildt, Dirk](#); [Horváth, Géza](#); [Kudlek, Manfred](#): Some results on small context-free grammars generating primitive words. Automata and formal languages, VIII (Salgótarján, 1996). *Publ. Math. Debrecen* [54 \(1999\), suppl.](#), 667–686.
[MATHEMATICAL REVIEWS 1709920_(2000e:68092)]
37. [Dömösi, Pál](#); [Nehaniv, Chrystopher L.](#): Complete finite automata network graphs with minimal number of edges. Dedicated to Professor Ferenc Gécseg. *Acta Cybernet.* [14 \(1999\), no. 1](#), 37–50.
[MATHEMATICAL REVIEWS 1682012_(2000d:68100) (Reviewer: Alexandra Kireeva)]
36. [Dömösi, Pál](#); [Ito, Masami](#): Characterization of languages by lengths of their subwords. *Semigroups (Kunming, 1995)*, 117–129, Springer, Singapore, 1998.
[MATHEMATICAL REVIEWS 1747927_(2001h:68077) (Reviewer: J.-M. Autebert)]
35. [Dömösi, Pál](#); [Nehaniv, Chrystopher L.](#): Algebraic theory of finite automata networks. *Math. Japon.* [48 \(1998\), no. 3](#), 481–509.
[MATHEMATICAL REVIEWS 1664219_(99m:68130) (Reviewer: Alexandra Kireeva)]
34. [Dömösi, Pál](#); [Ito, Masami](#); [Katsura, Masashi](#); [Nehaniv, Chrystopher](#): A new pumping property of context-free languages. *Combinatorics, complexity, & logic (Auckland, 1996)*, 187–193, [Springer Ser. Discrete Math. Theor. Comput. Sci.](#), Springer, Singapore, 1997
[MATHEMATICAL REVIEWS 1647309_(99g:68110)]
33. [Dömösi, P.](#): On α_2 - ν_3 -products of automata. Automata and formal languages, VII (Salgótarján, 1993). *Publ. Math. Debrecen* [48 \(1996\), no. 3-4, suppl.](#), 233–242.
[MATHEMATICAL REVIEWS 1387838_(97d:68135) (Reviewer: K. G. Peeva)]

32. [Dömösi, Pál](#); [Ito, Masami](#): On subwords of languages. Semigroups, formal languages and combinatorics on words (Japanese) (Kyoto, 1994). *Sūrikaisekikenkyūsho Kōkyūroku* [No. 910 \(1995\)](#), 1–4.
[MATHEMATICAL REVIEWS1384089_(97a:68096)]
31. [Dömösi, Pál](#); [Horváth, Sándor](#); [Ito, Masami](#); [Kászonyi, László](#); [Katsura, Masashi](#): Some combinatorial properties of words, and the Chomsky-hierarchy. *Words, languages and combinatorics, II* (Kyoto, 1992), 105–123, *World Sci. Publ., River Edge, NJ*, 1994.
[MATHEMATICAL REVIEWS 1351283_(97c:68130) (Reviewer: Yuji Kobayashi)]
30. [Dömösi, Pál](#): Complete classes of finite automata and simulation. *Words, languages and combinatorics, II* (Kyoto, 1992), 98–104, *World Sci. Publ., River Edge, NJ*, 1994.
[MATHEMATICAL REVIEWS1351282_(96k:68139)]
29. [Dömösi, P.](#); [Horváth, S.](#); [Ito, M.](#); [Kászonyi, L.](#); [Katsura, M.](#) Formal languages consisting of primitive words. *Fundamentals of computation theory (Szeged, 1993)*, 194–203, [Lecture Notes in Comput. Sci., 710](#), Springer, Berlin, 1993.
[MATHEMATICAL REVIEWS 1260493_(94k:68107)]
28. [Dömösi, Pál](#); [Horváth, Sándor](#); [Ito, Masami](#): Formal languages and primitive words. *Publ. Math. Debrecen* [42 \(1993\), no. 3-4](#), 315–321.
[MATHEMATICAL REVIEWS 1229678_(94m:68099) (Reviewer: Friedrich Otto)]
27. [Dömösi, P.](#); [Kovács, B.](#): Simulation on finite networks of automata. *Words, languages and combinatorics (Kyoto, 1990)*, 131–138, *World Sci. Publ., River Edge, NJ*, 1992.
[MATHEMATICAL REVIEWS 1161017_(93e:68076) (Reviewer: A. D. Korshunov)]
26. [Dömösi, P.](#); [Gécseg, F.](#): Simulation and representation by ν^* -products of automata. *Publ. Math. Debrecen* [40 \(1992\), no. 1-2](#), 75–83.
[MATHEMATICAL REVIEWS 1154492_(93d:68049)]
25. [Dömösi, P.](#); [Kovács, B.](#): Computation and simulation on finite networks of automata. Automata, languages and programming systems (Salgótarján, 1990). *Pure Math. Appl. Ser. A* [1 \(1991\), no. 3-4](#), 317–324.
[MATHEMATICAL REVIEWS 1125387]
24. [Dömösi, P.](#); [Ésik, Z.](#): Product hierarchies of automata and homomorphic simulation. *Acta Cybernet.* [9 \(1990\), no. 4](#), 371–373.
[MATHEMATICAL REVIEWS 1094890_(91k:68143)]
23. [Dömösi, P.](#): Products of automata and homomorphic simulation. *Pure Math. Appl. Ser. A* [1 \(1990\), no. 1](#), 11–19.
[MATHEMATICAL REVIEWS 1089098_(92g:68096)]
22. [Dömösi, Pál](#): Comparative investigation of product families of automata. (Hungarian) *Alkalmaz. Mat. Lapok* [14 \(1989\), no. 3-4](#), 233–298.
[MATHEMATICAL REVIEWS 1089215_(92i:68110) (Reviewer: A. Ádám)]

21. [Dömösi, P.](#); [Gécseg, F.](#): Simulation by ν^*_1 -products of automata. *Publ. Math. Debrecen* **36** (1989), no. 1-4, 51–56 (1990).
[MATHEMATICAL REVIEWS 1047017_(91i:68103) (Reviewer: Heinrich Seidel)]
20. [Dömösi, P.](#); [Ésik, Z.](#); Imreh, B.: On product hierarchies of automata. *Fundamentals of computation theory (Szeged, 1989)*, 137–144, [Lecture Notes in Comput. Sci.](#), **380**, Springer, New York, 1989.
[MATHEMATICAL REVIEWS 1033542_(91a:68200)]
19. [Dömösi, Pál](#); [Fazekas, Gábor](#): On the constructive derivation of automata with composition. *Second Conference on Automata, Languages and Programming Systems (Salgótarján, 1988)*, 99–103, [DM](#), **88-4**, Karl Marx Univ. Econom., Budapest, 1988.
[MATHEMATICAL REVIEWS 1062442]
18. [Dömösi, Pál](#); [Ésik, Zoltán](#): On homomorphic realization and homomorphic simulation of automata by α_0 -products. *Second Conference on Automata, Languages and Programming Systems (Salgótarján, 1988)*, 89–98, [DM](#), **88-4**, Karl Marx Univ. Econom., Budapest, 1988.
[MATHEMATICAL REVIEWS 1062441_(91h:68130) (Reviewer: Jan Chvalina)]
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[MATHEMATICAL REVIEWS 1053447_(91f:68154) (Reviewer: V. Topencharov)]
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