

16 Literatura

- [A1] Gorsline G. H.: "Computer Organization - Hardware / Software", Prentice Hall International, London 1986
- [A2] Grohoski G. F.: "Machine organization of the IBM RISC System/6000 Processor", IBM J. Res. Develop. 43(1), January 1990, pp. 37-58
- [A3] Flynn M.: "Some Computer Organizations and Their Effectiveness", IEEE Trans. Comput., Vol. C-21, 1972, p.94
- [A4] Hwang K.: "Advanced Parallel Processing with Supercomputer Architecture", Proc. IEEE, Vol. 75, 1987, pp. 1348 - 1379
- [A5] Bell G.: "The Future of High Performance Computers in Science and Engineering", Comm of ACM, Vol. 32, 1989, pp. 1091 - 1101
- [A6] Hockney R., Jesshope C.: "Parallel Computers 2", Adam Hilger Ltd., Bristol (UK) 1988
- [A7] Seitz L.: "The Cosmic Cube", Comm. ACM 28(1), Jan 1985, pp.25 - 32
- [A8] Marovac N.: "A Systematic Approach to the Design and Implementation of Computer Instruction Set", Computer Architecture News 11(1), 1983, pp. 19-24
- [A9] Fisher W. D.: "Microprocessor Assembly Language Draft Standard", Computer 12 (12), 1979, pp. 96-109
- [B1] Belady L. A.: "A study of replacement algorithms for a virtual-storage computer", IBM Systems Journal Volume 5, Number 2, 1966, pp. 78 - 101
- [B2] Hamlet D.: "Random testing", in Encyclopedia of Software Engineering, Wiley, New York, 1994, pp. 970-978
- [B3] I.B.M Inc.: "Power PC Microprocessor Common Hardware Reference Platform: A System Architecture", Morgan Kaufmann Publishers, New York 1996
- [B4] "Pentium II Processor Developers Manual", at www.intel.com
- [B5] "P6 Family of Processors Hardware Developers Manual", at www.intel.com
- [H1] Hlavička J.: "Architektura počítačů", Vydavatelství ČVUT, Praha 1996
- [H2] "SPARC Architecture Manual (Version 8)", at www.sun.com
- [H5] Bochner L., Salomon K.: "John von Neumann" in Biographical Memoirs, Vol.32, 1958, National Academy of Science, pp.451-456
- [L1] Peterson D.: "Reduced Instruction Set Computers", Communication of the ACM, Vol.28, No.1, January 1985, pp. 9-21
- [L2] Kai Hwang, Briggs F.A.: "Computer Architecture and Parallel Processing", McGraw Hill, New York 1985
- [L3] Siewiorek D. P., Bell G., Newell A.: "Computer Structures: Principles and Examples", McGraw Hill, Auckland 1985
- [M1] Shor P.: "Algorithms for Quantum Computations: Discrete Log and Factoring", Proc. 35th Ann. Symp. Foundations of Computer Science, 1994
- [M2] Cirac J. I., Zoller P: in Physical Revue Letters 74, p.4091, 1995
- [M3] Lent C. S. et al.: "Quantum Cellular Automata: The Physics of Computing with Arrays of quantum Dot Molecules", in Proc. of the Workshop on Physics and Computation, PhysComp94, 1994, pp. 5-13
- [M4] Korotkov A. N.: "Wireless Single-Electron Logic Biased by Alternating Electric Field", Appl. Phys. Lett., Vol. 67, 1995, pp. 2412-2414
- [M5] Weiss R., Homsky G., Knight T.: "Toward in vivo Digital Circuits", in Proceedings of the Dimacs Workshop on Evolution as Computation, January 1999
- [M6] Roessler O.: "Lecture Notes in Biomathematics", Springer, Berlin 1974

- [M7] Seabaugh A. C., Luscombe J. H., Randall J. N.: "Quantum Functional Devices: Present Status and Future Prospects", Future Electron Devices (FED) Journal, Vol. 3, Suppl. 1, 1993, pp. 9-20
- [M8] Kastner M. A.: "The Single-Electron Transistor", Review of Modern Physics, Vol. 64, 1992, pp. 849-858
- [M9] Bandyopadhyay S., Das B., Miller A. E.: "Supercomputing with Spin-Polarized Single Electrons in a Quantum Coupled Architecture", Nanotechnology, Vol. 5, 1994, pp. 113-133
- [N1] Feynman R. P.: "There's Plenty of Room at the Bottom: An Invitation to Enter a New Field of Physics", Engineering an Science, Vol. 23, 1960, pp. 22-36
- [N2] Rabaey J.M.: "Digital Integrated Circuits", Prentice Hall, New Jersey 1996
- [N3] Drexler K.E.: "Engines of Creation", Anchor Press, Garden City New York, 1986
- [N4] Adleman L.: "Molecular Computation of Solutions to Combinatorial Problems", Science, Vol. 266, November 11, 1994, pp. 1021-1023
- [N5] Kolata G.: "A Vat of DNA May Become a Vast Computer of the Future", N.Y. Times, April 11, 1995, p. C1
- [N6] Lipton R.J.: "Using DNA to solve NP-complete problems", Science, Vol. 268, April 28 1995, pp. 542-545
- [N7] Birge R.: "Protein-Based Three Dimensional Memory", American Scientist, July-August 1994, pp. 348-355
- [N8] Benioff P.: "The Computer as a Physical System: A Microscopic Quantum Mechanical Hamiltonian Model of Computers as Represented by Turing Machines", J. Statistical Physics, Vol. 22, 1980, pp. 563-591
- [N9] Deutsch D.: "Quantum Theory, the Church-Turing Principle and the Universal Quantum Computer", Proc. Roy. Soc. Lond., Vol. A400, 1985, pp. 96-117
- [P1] Plášil F.: "Operační systémy", Elektrotechnická fakulta ČVUT Praha, Praha 1989
- [R1] Wada Y. et al.: "A Proposal of Nanoscale Devices Based on Atom Molecule Switching", J. Appl. Phys., 15 December 1993, pp. 7321-7328
- [R2] Lent C. S. et al.: "Quantum Cellular Automata", Nanotechnology, Vol. 4, 1993, p. 49
- [R3] Behrman E. C. et al.: "A Quantum-Dot Neural Network", Proceedings for the PhysComp96 Conference, November 22-24, Boston (MA) 1996
- [R4] Šnorek M., Jiřina M.: "Neuronové sítě a neuropočítače", ČVUT Praha, 1996
- [S1] Scott N.R.: "Computer Number Systems and Arithmetic", Prentice Hall, New York 1985
- [X1] Blatný J., Krištoufek K., Pokorný Z.: "Číslicové počítače", SNTL Praha 1980
- [X2] Krištoufek K. a kol.: "Encyklopédie výpočetní a řídící technika", SNTL Praha 1982
- [X3] Bywater R. E.H.: "Hardware/Software design of digital systems", Prentice Hall International, London 1981
- [X4] Drábek: V.: "Výstavba počítačů", VUT Brno - PC-DIR s.r.o, Brno 1995
- [X5] Babbage Ch.: "A Letter to Sir Humphry Davy, Bart. PRS, on the Application of Machinery to the Purpose of Calculating and Printing Mathematical Tables", J. Booth, London, 1822
- [X6] Babbage Ch.: "On the Economy of Machinery and Manufactures", Charles Knight, London 1832
- [X7] Babbage Ch.: "Table of the Relative Frequency of Occurrence of the Causes of Breaking of Plate Glass Windows", Mechanics Mag. 66, p. 82, London 1857
- [X8] Babbage Ch.: "Passages on the Life of a Philosopher", Longman-Green, London 1864
- [X9] Babbage Ch.: "The Exposition of 1851; or Views of the Industry, the Science, and the Government of England", John Murray, London 1851, 2nd ed.