

IRODALOMJEGYZÉK

Horváth Zoltán *Osztott és párhuzamos programozás* című könyvéhez

[ALRM 83] U.S. Department of Defense: *The Programming Language Ada*, Reference Manual. [American](#) National Standards Institute, Inc. ANSI/MIL-STD-1815A-1983, [Lecture Notes in Computer Science](#), **155**. [Springer](#), Berlin, 1983.

[And 91] G. R. Andrews: *Concurrent Programming, Principles and Practice*. [Benjamin/Cummings](#), Redwood City, 1991.

[Bac Ser 90] R. J. R. Back, K. Sere: Stepwise Refinement of Parallel Algorithms. [Science of Computer Programming](#) **13** (1989/90) 133–180.

[Bak War 91] J. W. [de Bakker](#), J. H. A. Warmerdam: Four domains for concurrency. [Theoretical Computer Science](#) **90** (1991) 127–149.

[Ben 88] J. Benthem: Time, logic and computation. In: *Linear Time, Branching Time and Partial Order in Logics and Models for Concurrency*. [Lecture Notes in Computer Science](#) **354**. [Springer](#), Berlin, 1989, 1–49.

[Best 83] Eike [Best](#): Relational semantics of concurrent programs. In: *Formal Description of Programming Concepts, II*. (1983) 431–452.

[Car 94] A. Carruth: Real-time unity. Technical Report TR94-10, University of [Texas](#) at Austin, <ftp://ftp.cs.utexas.edu>. (March 29, 1994).

[Cha Mis 89] K. M. Chandy, J. Misra: *Parallel Program Design: A Foundation*. [Addison Wesley](#), 1988, 1989.

[Cha 90] K. M. Chandy: Reasoning about continuous systems. [Science of Computer Programming](#) **14** (1990) 117–132.

[Col 94] P. Collette: Composition of assumption-commitment specifications in a UNITY style. [Science of Computer Programming](#) **23** (1994) 107–125.

[Dij 75] Edsger Wybe [Dijkstra](#) (1930–2002): Guarded commands, nondeterminacy and formal derivation of programs. [Communications of the ACM](#) **18** 8 (1975) 453–457.

[Dij 76] Edsger Wybe [Dijkstra](#) (1930–2002): *A Discipline of Programming*. [Prentice Hall](#), 1976.

[Dij Sch 89] Edsger Wybe [Dijkstra](#) (1930–2002): C. S. Scholten: *Predicate Calculus and Program Semantics*. [Springer](#), New York, 1989.

[Eme Sri 88] E. A. Emerson, J. Srinivasan: Branching time temporal logic. In: *Linear Time, Branching Time and Partial Order in Logics and Models for Concurrency*. [Lecture Notes in Computer Science](#) **354** [Springer](#), Berlin, 1989, 123–172.

[Fáb 94] Fábrián G.: Párhuzamos algoritmusok specifikációja osztott objektumokat használó rendszerek esetén UNITY módszerrel. I. Osztott bináris fák. Szakdolgozat, ELTE, Informatika Tanszékcsoport. (Témavezető: [Horváth Zoltán](#)) 1994.

[Flo Suz 81] L. Flon, N. Suzuki: The Total Correctness of Parallel Programs. [SIAM Journal of Computing](#) **10** 2 (May 1981) 227–246.

[Fót 83] Fóthi Ákos: *Bevezetés a programozáshoz*. ELTE Eötvös Kiadó, Budapest, 2005.

[Fót 86] Fóthi Ákos: Bevezetés a programozáshoz és Programozás c. előadásainak anyaga (1986–1987).

[Fót 88] Fóthi Ákos: A Mathematical Approach to Programming. *Annales Univ. Sci. Budapest. de R. Eötvös Nom., Sectio [Computatorica](#)*, **9** (1988) 105–114.

[Fót Hor 91] Fóthi Ákos, [Horváth Zoltán](#): The weakest precondition and the theorem of the specification. In: Koskimies, K., Rähkä, K., ed., *Proceedings of the Second Symposium on Programming*

Languages and Software Tools, Pirkkala, Finland, August 21-23, 1991, Report A-1991- 5, University of [Tampere](#), Department of Computer Science (August, 1991) 39–47.

[Fót Hor 94] Fóthi Ákos, [Horváth](#) Zoltán: A parallel elementwise processing. In: *Proceedings of the 2nd Austrian- Hungarian Workshop on Transputer Applications* (ed. by Sz., Péter Kacsuk), September 29– October 1, 1994, Budapest, Hungary, KFKI-1995-2/M,N Report (1995) 273–282.

[Fót Hor Kozs 95] Fóthi Ákos, [Horváth](#) Zoltán, Kozsik Tamás: Parallel elementwise processing – a novel version. In: *Proceedings of the Fourth Symposium on Programming Languages and Software Tools* (ed by László Varga), Visegrád, Hungary, June 9–10, 1995, 180–194 and *Annales Univ. Sci. Budapest. de R. Eötvös Nom., Sectio [Computatorica](#)*, (1996) 105–124.

[Fót Nyé 90] Fóthi Ákos, Nyékyné Gaizler Judit: Some problems of updating sequential files. To appear.

[Fra 86] N. Franczez: *Fairness*. [Springer](#), New York, 1986.

[Fro 96] Frohner Ákos: Párhuzamos programozást támogató nyelvi eszközök összehasonlítása. Diplomamunka, ELTE, Informatika Tanszékcsoport. (Témavezető: [Horváth](#) Zoltán) 1996.

[Györ 94] Györffy L.: Párhuzamos algoritmusok specifikációja osztott objektumokat használó rendszerek esetén UNITY módszerrel. II. Hatványlisták. Diplomamunka, ELTE, Informatika Tanszékcsoport. (Témavezető: [Horváth](#) Zoltán) 1995.

[Hen 88] M. Hennessy: *Algebraic Theory of Processes*. The [MIT](#) Press, Cambridge 1988.

[Hoa 78] C. A. R. [Hoare](#): Communicating sequential processes. *[Communications of the ACM](#)*. **21** 8 (1978) 666–677.

[Hoa 85] C. A. R. [Hoare](#): *Communicating Sequential Processes*. [Prentice Hall](#) Int., Englewood Cliffs, 1985.

[Hor 88] [Horváth](#) Zoltán: On-line folyamatirányító szakértői rendszerek fejlesztése. In: Fekete István (ed.) *Szakértői rendszerek az ipari folyamatirányításban*, kutatási jelentés, ELTE, TTK, Általános Számítástudomány Tanszék (1988).

[Hor 90] [Horváth](#) Zoltán: Fundamental relation operations in the mathematical models of programming. *Annales Univ. Sci. Budapest. de R. Eötvös Nom., Sectio [Computatorica](#)*, **10** (1990) 277–298.

[Hor 93] [Horváth](#) Zoltán: The weakest precondition and the the specification of parallel programs. In: *Proceedings of the Third Symposium on Programming Languages and Software Tools*, Kääriku, Estonia (August 21-23, 1993), 24-33.

[Hor 93-96] [Horváth](#) Zoltán: *Párhuzamos programozás alapjai*. Jegyzet. Előkészületben. <ftp://augusta.inf.elte.hu/pub/parh>, 1993–1996.

[Hor 95] [Horváth](#) Zoltán: Parallel asynchronous computation of the values of an associative function. *[Acta Cybernetica](#)*, **12** 1 (1995) 83–94.

[Hor 95a] [Horváth](#) Zoltán: The formal specification of a problem solved by a parallel program – a relational model. In: László Varga (ed.) *Proceedings of the Fourth Symposium on Programming Languages and Software Tools*, Visegrád, Hungary, June 9–10, 1995 (1995) 165-179. és *Annales Univ. Sci. Budapest. de R. Eötvös Nom., Sectio [Computatorica](#)*, **17** (1996) 173–191.

[Hor Koz 94] [Horváth](#) Zoltán, [Közma](#) László: Parallel Programming Methodology. In: *Workshop on Parallel Processing. Technology and Applications* (ed by J. Bogdany, G. Vesztergombi). Budapest, Hungary, 10–11 February, 1994, KFKI-94- 09/M,N Report (1994) 57–65.

[Ivá 03] [Iványi](#) Antal: *Párhuzamos algoritmusok*. ELTE Eötvös Kiadó, 2003.

[Jär 92] H.-M. Järvinen: The Design of a Specification Language for Reactive Systems. Thesis for the degree of Doctor of Technology, [Tampere](#) University of Technology, Publications 95, Tampere, 1992.

[Jut Kna Rao 89] C. S. Jutla, E. Knapp, J. R. Rao: A Predicate Transformer Approach to Semantics

of Parallel Programs. In: *Proc. 8th Ann. ACM SIGACT/SIGOPS Symposium on Principles of Distributed Computing*, Edmonton, Alberta, Canada, August 14–16, 1989 (1989) 249–263.

[Kna 90] E. Knapp: A predicate transformer for progress. *Information Processing Letters* **33** (1989/90) 323–330.

[Kna 92] E. Knapp: Derivation of concurrent programs: two examples. *Science of Computer Programming* **19** (Oct. 1992) 1–23.

[Koz 94] [Kozma](#) László: Synthesizing Methods of Parallel Systems. An Overview. In: *Proceedings of $\mu P'94$* , [Technical](#) University Budapest, Hungary (1994) 586–586.

[Koz Var 03] [Kozma](#) László, Varga László: *A szoftvertechnológia elméleti kérdései*. ELTE Eötvös Kiadó, 2003.

[Krö 87] F. Kröger: *Temporal Logic of Programs*. [Springer](#), 1987.

[Lam 77] Leslie [Lamport](#): Proving the correctness of multiprocess programs, *IEEE Transactions on Software Engineering* **SE-3** 2 (March 1977) 125–143.

[Lam 90] Leslie [Lamport](#): Win and sin: predicate transformers for concurrency. *ACM Transactions on Programming Languages and Systems* **12** 3 (July 1990) 396–428.

[Lam 91] Leslie [Lamport](#): The Temporal Logic of Actions. Technical Report SRC Research Number TR79, Digital Equipment Corporation, Systems Research Center, Palo Alto, CA, <ftp://gatekeeper.dec.com/pub/DEC/SRC/researchreports> (December 1991).

[Lam Lyn 90] Leslie [Lamport](#), Nancy Ann [Lynch](#): Distributed computing models and methods. In: van Leeuwen (ed.) *Handbook of Computer Science, Vol. B*. [Elsevier](#), Amsterdam, 1990, 1157–1199.

[Lam Sin 79] van Lamsweerde, A., Sintzoff, M.: Formal Derivation of Strongly Correct Concurrent Programs. *Acta Informatica*, **12** No. 1 (1979) 1–31.

[Lav 78] Laventhal, M.: Synthesis of synchronization code for data abstractions. Ph.D. Thesis. [MIT](#), 1978.

[Loy Vor 90] Loyens, L.D.J.C.-van de Vorst, J.G.G.: Two Small Parallel Programming Exercises. *Science of Computer Programming*, **15** (1990) 159–169.

[Luk Sne 92] J. Lukkien, J. L. A. van de Snepscheut: Weakest preconditions for progress. *Formal Aspects of Computing* **4** (1992) 195–236.

[Lyn 02] Nancy Ann [Lynch](#): *Distributed Algorithms*. [Morgan](#) Kaufmann Publishers, San Francisco, 1996. magyarul: *Osztott algoritmusok*. [Kiskapu](#) Kiadó, 2002.

[Mak Ver 91] R. H. Mak, T. Verhoeff: Classification of models, Lecture Notes on Process Models, TU [Eindhoven](#), manuscript, 1991.

[Maz 89] A. [Mazurkiewicz](#): Basic notions of trace theory. In: *Linear Time, Branching Time and Partial Order in Logics and Models for Concurrency*, *Lecture Notes in Computer Science*, **354**. [Springer](#), Berlin, 1989, 285–362.

[Mel 87] P. M. Melliar-Smyth: Extending interval logic to real time systems. *Lecture Notes in Computer Science*, **398**. [Springer](#), Berlin, (1987) 224–242.

[Mil 89] R. Milner: Communication and Concurrency. [Prentice](#) Hall, 1989.

[UN 88-93] J. Misra et al.: Notes on UNITY, 1988-1993., The University of [Texas](#), Austin, <ftp://ftp.cs.utexas.edu>.

[Mis 01] J. Misra: *A Discipline of Multiprogramming - Programming Theory for Distributed Applications*, [Springer](#), New York, 2001.

[Mor 87] J. M. Morris: A theoretical basis for stepwise refinement and the programming calculus. *Science of Computer Programming*, **9** (1987) 287–306.

[Mor 90] J. M. Morris: Temporal predicate transformers and fair termination. *Acta Informatica* **26** (1990) 287–313.

[Owi Gri 76] S. S. Owiczki, David [Gries](#): An axiomatic proof technique for parallel programs. *Acta Informatica* **6** (1976) 319–340.

[Pac 92] J. Pacht: A simple proof of a completeness result for leads-to in the UNITY logic. *Information Processing Letters* **41** (1992) 35–38.

[Par 79] D. Park: On the semantics of fair parallelism. *Lecture Notes in Computer Science* **86**, 504–526. [Springer](#), Berlin, 1980.

[Pász 93] Pásztorné Varga K.: *Logikai alapozás alkalmazásokhoz. Matematikai logika - számítástudomány*. Egyetemi jegyzet. ELTE TTK, Budapest, 1992.

[Pra 94] I. S. W. B. Prasetya: Error in the UNITY Substitution Rule for Subscribed Operators. *Formal Aspects of Computing* **6** (1994) 466–470.

[Pra 86] V. Pratt: Modeling concurrency with partial orders. *International Journal of Parallel Programming* **15** 1 (1986) 33–71.

[Qui 87] M. J. Quinn: *Designing Efficient Algorithms for Parallel Computers*. [McGraw-Hill](#), Inc., 1987.

[Rác 92] Rác Éva: A Temporal Logic Specification of a Transaction Manager. Ph.D. Thesis, ELTE TTK, 1992 (in Hungarian).

[Rao 95] J. R. Rao: Extensions of the UNITY Methodology, *Lecture Notes in Computer Science* **908**. [Springer](#), 1995.

[San 91] B. A. Sanders: Eliminating the substitution axiom from the UNITY logic. *Formal Aspects of Computing* **3** (1991) 189–205.

[Sin 91] A. K. Singh: Specification of concurrent objects using auxiliary variables. *Science of Computer Programming* **16** (1991) 49–88.

[Tan Ste 02] Andrew S. [Tanenbaum](#), Maarten [van Steen](#): *Distributed Systems – Principles and Paradigms*. [Prentice Hall](#), 2002. Magyarul: *Elosztott rendszerek*. Panem, Budapest, 2004.

[Var 81] Varga László: *Programok analízise és szintézise*. [Akadémiai](#) Kiadó, Budapest, 1981.

[WRMP 95] Workgroup on Relational Models of Programming (Fóthi Ákos, Fekete István, [Gregorics](#) Tibor, [Horváth](#) Zoltán, Koncz-Nagy Márta, Kozics Sándor, Nyéky-Gaizler Judit, [Sike](#) Sándor, [Steingart](#) Ferenc, Tőke Pál, Vargyas Miklós, Venczel Tibor): Some concepts of a relational model of programming. In: László Varga (ed.) *Proceedings of the Fourth Symposium on Programming Languages and Software Tools*, Visegrád, Hungary, June 8–14, 1995, 434–446.