

# Bibliography

- [1] Sergio Antoy, Bernd Brassel, and Michael Hanus. Conditional narrowing without conditions. In *PPDP*, pages 20–31, 2003.
- [2] Franz Baader and Tobias Nipkow. *Term rewriting and all that*. Cambridge University Press, New York, NY, USA, 1998.
- [3] Leo Bachmair, Ta Chen, I. V. Ramakrishnan, Siva Anantharaman, and Jacques Chabin. Experiments with associative-commutative discrimination nets. In *IJCAI*, pages 348–355, 1995.
- [4] Jean-Pierre Banâtre and Daniel Le Métayer. The GAMMA model and its discipline of programming. *Science of Computer Programming*, 15(1):55–77, 1990.
- [5] Jan Bergstra and J. V. Tucker. Equational specifications, complete term rewriting systems, and computable and semicomputable algebras. *Journal of the Association for Computing Machinery*, 42(6):1194–1230, 1995.
- [6] Gérard Berry and Gérard Boudol. The chemical abstract machine. *Theoretical Computer Science*, 96(1):217–248, 1992.
- [7] Peter Borovanský, Claude Kirchner, Hélène Kirchner, Pierre-Etienne Moreau, and Christophe Ringeissen. An overview of ELAN. *ENTCS*, 15, 1998.
- [8] Fabricio Chalub and Christiano Braga. Maude MSOS tool. In Grit Denker and Carolyn Talcott, editors, *Proceedings of the Sixth International Workshop on Rewriting Logic and its Applications (WRLA 2006)*, volume 176(4) of *Electronic Notes in Theoretical Computer Science*, pages 133–146. Elsevier, 2007.
- [9] Alonzo Church. A formulation of the simple theory of types. *J. Symb. Log.*, 5(2):56–68, 1940.
- [10] M. Clavel, F. Durán, S. Eker, J. Meseguer, P. Lincoln, N. Martí-Oliet, and C. Talcott. *All About Maude, A High-Performance Logical Framework*, volume 4350 of *Lecture Notes in Computer Science*. Springer, 2007.
- [11] Oliver Danvy and Lasse R. Nielsen. Refocusing in reduction semantics. Technical Report BRICS RS-04-26, University of Aarhus, November 2004.
- [12] Olivier Danvy and Lasse R. Nielsen. Syntactic theories in practice. In *Second International Workshop on Rule-Based Programming (RULE2001)*, volume 59(4) of *ENTCS*, 2001.
- [13] Hartmut Ehrig. Introduction to the algebraic theory of graph grammars (a survey). In *Graph-Grammars and Their Application to Computer Science and Biology*, pages 1–69, 1978.

- [14] Azadeh Farzan, Feng Chen, José Meseguer, and Grigore Rosu. Formal analysis of Java programs in JavaFAN. In Rajeev Alur and Doron Peled, editors, *Computer Aided Verification, 16th International Conference, CAV 2004, Boston, MA, USA, July 13-17, 2004, Proceedings*, volume 3114 of *Lecture Notes in Computer Science*, pages 501–505. Springer, 2004.
- [15] Matthias Felleisen, Robert Bruce Findler, and Matthew Flatt. *Semantics Engineering with PLT Redex*. MIT Press, 2009.
- [16] Matthias Felleisen and Robert Hieb. A revised report on the syntactic theories of sequential control and state. *Theoretical Computer Science*, 103(2):235–271, 1992.
- [17] Joseph Goguen and José Meseguer. Completeness of many-sorted equational logic. *Houston Journal of Mathematics*, 11(3):307–334, 1985. Preliminary versions have appeared in: *SIGPLAN Notices*, July 1981, Volume 16, Number 7, pages 24–37; SRI Computer Science Lab, Report CSL-135, May 1982; and Report CSLI-84-15, Center for the Study of Language and Information, Stanford University, September 1984.
- [18] Joseph Goguen, Timothy Winkler, José Meseguer, Kokichi Futatsugi, and Jean-Pierre Jouanaud. Introducing OBJ. In *Software Engineering with OBJ: algebraic specification in action*. Kluwer, 2000.
- [19] Yuri Gurevich. Evolving algebras 1993: Lipari guide. In *Specification and validation methods*, pages 9–36. Oxford University Press, Inc., New York, NY, USA, 1995.
- [20] Gilles Kahn. Natural semantics. In Franz-Josef Brandenburg, Guy Vidal-Naquet, and Martin Wirsing, editors, *STACS 87, 4th Annual Symposium on Theoretical Aspects of Computer Science, Passau, Germany, February 19-21, 1987, Proceedings*, volume 247 of *Lecture Notes in Computer Science*, pages 22–39. Springer, 1987.
- [21] Massimo Marchiori. On deterministic conditional rewriting. Computation Structures Group, Memo 405, MIT Laboratory for Computer Science, 1997.
- [22] Narciso Martí-Oliet and José Meseguer. Rewriting logic: roadmap and bibliography. *Theoretical Computer Science*, 285:121–154, 2002.
- [23] Jacob Matthews, Robert Bruce Findler, Matthew Flatt, and Matthias Felleisen. A visual environment for developing context-sensitive term rewriting systems. In *Proceedings of 15th International Conference on Rewriting Techniques and Applications, (RTA '04)*, volume 3091 of *Lecture Notes in Computer Science*, pages 301–311, 2004.
- [24] Jacob Matthews, Robert Bruce Findler, Matthew Flatt, and Matthias Felleisen. A visual environment for developing context-sensitive term rewriting systems. In Vincent van Oostrom, editor, *RTA*, volume 3091 of *Lecture Notes in Computer Science*, pages 301–311. Springer, 2004.
- [25] José Meseguer. Conditional rewriting logic as a unified model of concurrency. *Theoretical Computer Science*, 96(1):73–155, 1992.
- [26] José Meseguer and Christiano Braga. Modular rewriting semantics of programming languages. In Charles Rattray, Savi Maharaj, and Carron Shankland, editors, *Algebraic Methodology and*

- Software Technology, 10th International Conference, AMAST 2004, Stirling, Scotland, UK, July 12-16, 2004, Proceedings*, volume 3116 of *Lecture Notes in Computer Science*, pages 364–378. Springer, 2004.
- [27] José Meseguer and Grigore Rosu. Rewriting logic semantics: From language specifications to formal analysis tools. In *IJCAR '04*, pages 1–44, 2004.
- [28] José Meseguer and Grigore Rosu. Rewriting logic semantics: From language specifications to formal analysis tools. In David A. Basin and Michaël Rusinowitch, editors, *Automated Reasoning - Second International Joint Conference, IJCAR 2004, Cork, Ireland, July 4-8, 2004, Proceedings*, volume 3097 of *Lecture Notes in Computer Science*, pages 1–44. Springer, 2004.
- [29] José Meseguer and Grigore Rosu. The rewriting logic semantics project. *J. TCS*, 373(3):213–237, 2007. Also appeared in *SOS '05*, volume 156(1) of *ENTCS*, pages 27–56, 2006.
- [30] José Meseguer and Grigore Rosu. The rewriting logic semantics project. *Theoretical Computer Science*, 373(3):213–237, 2007.
- [31] Robin Milner. A theory of type polymorphism in programming. *J. Comput. Syst. Sci.*, 17(3):348–375, 1978.
- [32] Robin Milner. *Communication and Concurrency*. Prentice-Hall International, Englewood Cliffs, 1989.
- [33] Robin Milner. Functions as processes. In Mike Paterson, editor, *ICALP*, volume 443 of *Lecture Notes in Computer Science*, pages 167–180. Springer, 1990.
- [34] Robin Milner, Mads Tofte, Robert Harper, and David Macqueen. *The Definition of Standard ML (Revised)*. MIT Press, Cambridge, MA, USA, 1997.
- [35] Peter D. Mosses. Foundations of modular sos. In Mirosław Kutylowski, Leszek Pacholski, and Tomasz Wierzbicki, editors, *MFCSS*, volume 1672 of *Lecture Notes in Computer Science*, pages 70–80. Springer, 1999.
- [36] Peter D. Mosses. Pragmatics of modular SOS. In Hélène Kirchner and Christophe Ringeissen, editors, *Algebraic Methodology and Software Technology, 9th International Conference, AMAST 2002, Saint-Gilles-les-Bains, Reunion Island, France, September 9-13, 2002, Proceedings*, volume 2422 of *Lecture Notes in Computer Science*, pages 21–40. Springer, 2002.
- [37] Peter D. Mosses. Modular structural operational semantics. *Journal of Logic and Algebraic Programming*, 60-61:195–228, 2004.
- [38] Peter D. Mosses and Mark J. New. Implicit propagation in structural operational semantics. *Electronic Notes in Theoretical Computer Science*, 229(4):49–66, 2009.
- [39] Enno Ohlebusch. Transforming conditional rewrite systems with extra variables into unconditional systems. In *LPAR'99*, pages 111–130, 1999.
- [40] Gheorghe Paun. Computing with membranes. *Journal of Computer and System Sciences*, 61:108–143, 2000.

- [41] Gordon D. Plotkin. A structural approach to operational semantics. *Journal of Logic and Algebraic Programming*, 60-61:17–139, 2004. Original version: University of Aarhus Technical Report DAIMI FN-19, 1981.
- [42] Grigore Rosu. Cs322, fall 2003 - programming language design: Lecture notes. Technical Report UIUCDCS-R-2003-2897, University of Illinois at Urbana-Champaign, Department of Computer Science, December 2003. Lecture notes of a course taught at UIUC.
- [43] Grigore Rosu. Equality of streams is a  $pi_2^0$ -complete problem. In *Proceedings of the 11th ACM SIGPLAN International Conference on Functional Programming (ICFP'06)*. ACM, 2006.
- [44] Grigore Rosu. K: a Rewrite-based Framework for Modular Language Design, Semantics, Analysis and Implementation. Technical Report UIUCDCS-R-2006-2802, Computer Science Department, University of Illinois at Urbana-Champaign, 2006. A previous version of this work has been published as technical report UIUCDCS-R-2005-2672 in 2005. K was first introduced in 2003, in the technical report UIUCDCS-R-2003-2897: lecture notes of CS322 (programming language design).
- [45] Hartley Rogers Jr. *Theory of Recursive Functions and Effective Computability*. MIT press, Cambridge, MA, 1987.
- [46] R. C. Sekar, R. Ramesh, and I. V. Ramakrishnan. Adaptive pattern matching. In Werner Kuich, editor, *ICALP*, volume 623 of *Lecture Notes in Computer Science*, pages 247–260. Springer, 1992.
- [47] R. C. Sekar, R. Ramesh, and I. V. Ramakrishnan. Adaptive pattern matching. *SIAM J. Comput.*, 24(6):1207–1234, 1995.
- [48] Traian Florin Serbănută and Grigore Rosu. Computationally equivalent elimination of conditions - extended abstract. In *Proceedings of Rewriting Techniques and Applications (RTA'06)*, volume 4098 of *Lecture Notes in Computer Science*, pages 19–34. Springer, 2006. also appeared as Technical Report UIUCDCS-R-2006-2693, February 2006.
- [49] Traian Florin Serbănută, Grigore Rosu, and José Meseguer. A rewriting logic approach to operational semantics. *Information and Computation*, 207:305–340, 2009.
- [50] Traian Florin Serbănută, Gheorghe Stefanescu, and Grigore Rosu. Defining and executing P systems with structured data in K. In David W. Corne, Pierluigi Frisco, Gheorghe Paun, Grzegorz Rozenberg, and Arto Salomaa, editors, *Workshop on Membrane Computing (WMC'08)*, volume 5391 of *Lecture Notes in Computer Science*, pages 374–393. Springer, 2009.
- [51] Christopher Strachey and Christopher P. Wadsworth. Continuations: A Mathematical Semantics for Handling Full Jumps. *Higher-Order and Symb. Computation*, 13(1/2):135–152, 2000.
- [52] Alan M. Turing. On computable numbers, with an application to the entscheidungsproblem. *Proceedings of the London Mathematical Society*, 2(42):230–265, 1937.
- [53] Mark G. J. van den Brand, J. Heering, P. Klint, and P. A. Olivier. Compiling language definitions: the ASF+SDF compiler. *ACM TOPLAS*, 24(4):334–368, 2002.

- [54] Eelco Visser. Program Transf. with Stratego/XT: Rules, Strategies, Tools, and Systems. In *Domain-Specific Program Generation*, pages 216–238, 2003.
- [55] Andrew K. Wright and Matthias Felleisen. A syntactic approach to type soundness. *Information and Computation*, 115(1):38–94, 1994.
- [56] Yong Xiao, Zena M. Ariola, and Michel Mauny. From syntactic theories to interpreters: A specification language and its compilation. arXiv:cs/0009030 [cs.PL].
- [57] Yong Xiao, Amr Sabry, and Zena M. Ariola. From syntactic theories to interpreters: Automating the proof of unique decomposition. *Higher Order Symbol. Comput.*, 14(4):387–409, 2001.

---

*start my comment*

---