

Bibliography: about Strategies in Rewriting

Warning: this bibliography is by no means exhaustive. It just reflects different aspects of strategies that are addressed in the Advanced Track lecture on Strategies given at the International School on Rewriting ISR 2014, August 25-29, Valparaiso, Chile.

Strategy Languages

[9, 7, 28, 11, 1, 4]

Term Rewriting Strategies

[20, 21, 13, 26, 15, 14, 12, 16]

Strategy Semantics

[6, 22, 23, 24, 8, 10, 17, 2, 3, 18, 25]

Surveys and Books

[5, 27, 29, 19]

References

- [1] Oana Andrei, Maribel Fernández, Hélène Kirchner, Guy Melançon, Olivier Namet & Brunp Pinaud (2011): *PORGY: Strategy-Driven Interactive Transformation of Graphs*. In: Rachid Echahed, editor: *6th International Workshop on Computing with Terms and Graphs (TERMGRAPH 2011), Saarbrücken, April 2011*, 48. Electronic Proceedings In Theoretical Computer Science (EPTCS), pp. 54–68. Available at <http://hal.inria.fr/inria-00563249/en>.
- [2] Oana Andrei & Hélène Kirchner (2009): *A Higher-Order Graph Calculus for Autonomic Computing*. In: *Graph Theory, Computational Intelligence and Thought. Golumbic Festschrift, Lecture Notes in Computer Science 5420*. Springer, pp. 15–26.
- [3] Oana Andrei & Hélène Kirchner (2009): *A Port Graph Calculus for Autonomic Computing and Invariant Verification*. *Electronic Notes In Theoretical Computer Science* 253(4), pp. 17–38.
- [4] Emilie Balland, Pierre-Etienne Moreau & Antoine Reilles (2012): *Effective strategic programming for Java developers. Software: Practice and Experience* .
- [5] E. Barendsen, I. Bethke, J. Heering, R. Kennaway, P. Klint, V. van Oostrom, F. van Raamsdonk, F-J. de Vries & H. Zantema (2003): *Term Rewriting Systems*. Cambridge Tracts in Theoretical Computer Science. Cambridge University Press.

- [6] Peter Borovanský, Claude Kirchner, H el ene Kirchner & Pierre-Etienne Moreau (2002): *ELAN from a rewriting logic point of view*. *Theoretical Computer Science* 2(285), pp. 155–185.
- [7] Peter Borovanský, Claude Kirchner, H el ene Kirchner, Pierre-Etienne Moreau & Christophe Ringeisen (1998): *An overview of ELAN*. *Electr. Notes Theor. Comput. Sci.* 15, pp. 55–70. Available at [http://dx.doi.org/10.1016/S1571-0661\(05\)82552-6](http://dx.doi.org/10.1016/S1571-0661(05)82552-6).
- [8] Tony Bourdier, Horatiu Cirstea, Daniel J. Dougherty & H el ene Kirchner (2009): *Extensional and Intensional Strategies*. In: *Proceedings Ninth International Workshop on Reduction Strategies in Rewriting and Programming, Electronic Proceedings In Theoretical Computer Science* 15. pp. 1–19.
- [9] Martin Bravenboer, Karl Trygve Kalleberg, Rob Vermaas & Eelco Visser (2008): *Stratego/XT 0.17. A Language and Toolset for Program Transformation*. *Science of Computer Programming Special issue on Experimental Systems and Tools*.
- [10] Horatiu Cirstea & Claude Kirchner (2001): *The rewriting calculus — Part I and II*. *Logic Journal of the Interest Group in Pure and Applied Logics* 9(3), pp. 427–498.
- [11] Manuel Clavel, Francisco Dur an, Steven Eker, Patrick Lincoln, Narciso Mart ı-Oliet, Jos e Meseguer & Carolyn Talcott (2007): *All About Maude - A High-Performance Logical Framework, How to Specify, Program and Verify Systems in Rewriting Logic*, 4350. Springer.
- [12] Olivier Fissore, Isabelle Gnaedig & H el ene Kirchner (2003): *Simplification and Termination of Strategies in Rule-Based Languages*. In: *Proceedings of the Fifth International Conference on Principles and Practice of Declarative Programming*. ACM Press, Uppsala (Sweden), pp. 124–135.
- [13] J. Giesl & A Middeldorp (2003): *Innermost Termination of Context-Sensitive Rewriting*. In: *Proceedings of the 6th International Conference on Developments in Language Theory (DLT 2002)*, LNCS 2450. Springer, Kyoto, Japan, pp. 231–244.
- [14] J urgen Giesl, Matthias Raffelsieper, Peter Schneider-Kamp, Stephan Swiderski & Ren e Thiemann (2011): *Automated termination proofs for Haskell by term rewriting*. *ACM Trans. Program. Lang. Syst.* 33(2), pp. 7:1–7:39.
- [15] J urgen Giesl, Stephan Swiderski, Peter Schneider-Kamp & Ren e Thiemann (2006): *Automated Termination Analysis for Haskell: From Term Rewriting to Programming Languages*. In: *Proceedings of the 17th International Conference on Rewriting Techniques and Applications, Lecture Notes in Computer Science* 4098. Springer, pp. 297–312.
- [16] Isabelle Gnaedig & H el ene Kirchner (2009): *Termination of rewriting under strategies*. *ACM Trans. Comput. Logic* 10(2), pp. 1–52.
- [17] Claude Kirchner, Florent Kirchner & H el ene Kirchner (2008): *Strategic Computations and Deductions*. In: Christoph Benzm uller, Chad E. Brown, J org Siekmann & Richard Statman, editors: *Reasoning in Simple Type Theory. Festschrift in Honour of Peter B. Andrews on His 70th Birthday*, *Studies in Logic and the Foundations of Mathematics* 17. College Publications, pp. 339–364.
- [18] Claude Kirchner, Florent Kirchner & H el ene Kirchner (2010): *Constraint Based Strategies*. In: *Proceedings 18th International Workshop on Functional and (Constraint) Logic Programming (WFLP 2009)*, Brasilia, LNCS 5979. pp. 13–26.
- [19] H el ene Kirchner (2010): *A rewriting point of view on strategies*. In: *Electronic Proceedings in Theoretical Computer Science*, EPTCS 112. pp. 99–105.
- [20] Salvador Lucas (1998): *Context-sensitive computations in functional and functional logic programs*. *Journal of Functional and Logic Programming* 1, pp. 1–61.

- [21] Salvador Lucas (2001): *Termination of Rewriting With Strategy Annotations*. In: A. Voronkov & R. Nieuwenhuis, editors: *Proceedings of the 8th International Conference on Logic for Programming, Artificial Intelligence and Reasoning, LPAR'01, Lecture Notes in Artificial Intelligence 2250*. Springer-Verlag, Berlin, La Habana, Cuba, pp. 669–684.
- [22] Narciso Martí-Oliet & José Meseguer (2000): *Rewriting logic as a logical and semantic framework*. In: J. Meseguer, editor: *Electronic Notes in Theoretical Computer Science*, 4. Elsevier Science Publishers.
- [23] Narciso Martí-Oliet, José Meseguer & Alberto Verdejo (2005): *Towards a Strategy Language for Maude*. *Electr. Notes Theor. Comput. Sci.* 117, pp. 417–441. Available at <http://dx.doi.org/10.1016/j.entcs.2004.06.020>.
- [24] Narciso Martí-Oliet, José Meseguer & Alberto Verdejo (2008): *A rewriting semantics for Maude strategies*. *Electronic Notes in Theoretical Computer Science* 238(3), pp. 227–247.
- [25] Fabio Mogavero, Aniello Murano & Moshe Vardi (2010): *Reasoning About Strategies*. In: *Proceedings of IARCS Int. Conf. on Foundations of Software Technology and Theoretical Computer Science FSTTCS, LIPICS*. pp. 133–144.
- [26] Koji Okamoto, Masahiko Sakai, Naoki Nishida & Toshiki Sakabe (2005): *Weakly-Innermost Strategy and its Completeness on Terminating Right-Linear TRSs*. In: *Proceedings 5th International Workshop on Reduction Strategies in Rewriting and Programming April 22, 2005, Nara, Japan, ENTCS*.
- [27] Vincent van Oostrom & Roel de Vrijer (2003): *Term Rewriting Systems*, *Cambridge Tracts in Theoretical Computer Science* 2, chapter 9: Strategies. Cambridge University Press.
- [28] Eelco Visser (2001): *Stratego: A Language for Program Transformation based on Rewriting Strategies. System Description of Stratego 0.5*. In: A. Middeldorp, editor: *Rewriting Techniques and Applications (RTA'01), Lecture Notes in Computer Science* 2051. Springer, pp. 357–361.
- [29] Eelco Visser (2005): *A survey of strategies in rule-based program transformation systems*. *J. Symb. Comput.* 40(1), pp. 831–873. Available at <http://dx.doi.org/10.1016/j.jsc.2004.12.011>.