

9. References.

1. The Axiomatic Translation Principle for Modal Logic. (2007) Schmidt, R. and Hustadt, U. Transactions on Computational Logic, 8(4).
2. C Programming: A Modern Approach. (1996) King, K. Norton & Co.
3. JavaScript and Ajax. (2006) Negrino, T. and Smith, D. Peachpit Press.
4. Beginning C: From Novice to Professional. (2006) Horton, I. Apress Press.
5. The Essence of Logic. (1996) Kelly, J. Prentice Hall (Essence of Computing Series).
6. Lecture Notes in Automated Reasoning. (2006/7 MSc. session, COMP6012) Williams, A. and Schmidt, R. Computer Science Department, University of Manchester, UK.
7. Lecture Notes in Knowledge Representation and Reasoning. (2006/7 MSc. session, COMP6016) Schmidt, R. Computer Science Department, University of Manchester, UK.
8. Term Rewriting and All That. (1999) Baader, F. and Nipkow, T. Cambridge University Press.
9. Logic in Computer Science: Modeling and Reasoning About Systems. (2004) Huth, M. and Ryan, M. Cambridge University Press.
10. A New Introduction to Modal Logic. (1996) Hughes, G. and Cresswell, M. Routledge Group.
11. Mathematical Logic for Computer Science. (2001) Ben-Ari, M. Springer Verlag.
12. First Order Logic and Automated Theorem Proving. (1996) Fitting, M. Springer Verlag.
13. Discrete Mathematics and Its Applications. (2002) Rosen, K. McGraw-Hill.
14. Essence of Discrete Mathematics. (1996) Dean, N. Prentice Hall (Essence of Computing Series).
15. An Introduction to Modal Logic. (1977) Lemmon, E. and Scott, D., Blackwell, and Completeness and Correspondence in First and Second Order Semantics for Modal Logic. (1975) Sahlqvist, H. *in* Kanger, S. (editor) Proc. Third Scandinavian Logic Symp., 110-143.
16. SPASS: An Automated Theorem Prover for First Order Logic with Equality. (2007) <http://spass.mpi-sb.mpg.de/>, Max Planck Institut für Informatik.
17. SPASS Input Syntax Version 3.0 and SPASS: Tutorial; The SPASS Handbook. (2007) Weidenbach, C. and Schmidt, R. , Max Planck Institut für Informatik at <http://spass.mpi-inf.mpg.de/download/sources/spass30.tgz>
18. Command Line Options: SPASS - An automated theorem prover for full first-order logic with equality. (2007) <http://spass.mpi->

inf.mpg.de/webpass/help/options.html, Max Planck für Institut Informatik.

- 19.** SCAN: Quantifier Elimination for Second Order Predicate Logic. (2007) Ohlbach, H., Engel, T., Schmidt, R., and Gabbay, D.
<http://www.mpi-inf.mpg.de/departments/d2/software/SCAN/>, Max Planck Institut für Informatik; and
SCAN is complete for all Sahlqvist formulae. (2004) Goranko, V., Hustadt, U., Vakarelov, D., Schmidt, R., *in* Relational and Kleene Algebraic Methods in Computer Science, Berghammer, R., Möller, B., Struth, G. (editors) (RelMiCS 7) Lecture Notes in Computer Science Vol. 3051, 149-162, Springer.
- 20.** Regular expressions simplify pattern-matching code: Discover the elegance of regular expressions in text-processing scenarios that involve pattern-matching. (2003) Friesen, J., <http://www.javaworld.com/javaworld/jw-02-2003/jw-0207-java101.html>.
- 21.** When Runtime.exec() won't: Navigate yourself around pitfalls related to the Runtime.exec() method. (2000) Daconta, M.
<http://www.javaworld.com/javaworld/jw-12-2000/jw-1229-traps.html>.
- 22.** Issues of Decidability for Description Logics in the Framework of Resolution. (2000) Hustadt, U. and Schmidt, R., *in* Automated Deduction in Classical and Non Classical Logic, Caferra, R. and Salzer, G. (editors), Lecture Notes in Artificial Intelligence, 1761, 191-205, Springer.
- 23.** Deciding the guarded fragment by resolution. (2003) de Nivelle, H. and de Rijke, M. *Journal of Symbolic Computation*, 35(1), 21-58; and
A superposition decision procedure for the guarded fragment with equality. (1999) Ganzinger, H. and de Nivelle, H., Proc. LICS'99, IEEE Computer Society, 295-303.
- 24.** Semantic analysis of modal logic - normal propositional calculi. (1963) Kripke, S., *Zeitschrift für mathematische Logik and Grundlagen der Mathematik* 9, 67-96.
- 25.** System Description: SPASS Version 3.0 (2007) Weidenbach, C., Schmidt, R., Hillenbrand, T., and Rusev, R. *in* Pfenning, F. (editors) Topic In Automated Deduction CADE21, Lecture Notes in Artificial Intelligence, 4603, 514-520. Springer.
- 26.** Second-Order Quantifier Elimination: Foundations, Computational Aspects and Applications. (2008) Gabbay, M., Schmidt, R. and Szalas, A. (Studies in Logic: Mathematical Logic and Foundations). College Publications. (Seen in pre-publication form).

27. Basic Description Logics. (2002) Baader, F. and Nutt, W., *in* the Description Logic Handbook, edited by Baader, F., Calvanese, D., McGuinness, D., Nardi, D., Patel-Schneider, P. (editors), 47-100. Cambridge University Press.
28. Resolution Theorem Proving. (2001) Ganzinger, H and Bachmair, L. , *in* Handbook of Automated Reasoning, Robinson, A. and Voronkov, A. (editors), 2, 19-99. Elsevier.
29. Encoding two-valued non-classical logics in classical logic. (2001) Ohlbach, H., Nonnengart, A., de Rijke, M. and Gabbay, D., *in* Handbook of Automated Reasoning, Robinson, A. and Voronkov, A. (editors), 1403-1486. Elsevier.
30. Modal Logic in the Stanford Encyclopedia of Philosophy. (2007) Garson, J., <http://plato.stanford.edu/entries/logic-modal/>
31. A Survey of Decidable First Order Fragments and Description Logics. (2004) Schmidt, R., Hustadt, U. and Georgieva, L., Journal of Relational Methods in Computer Science 1, 251-276.
32. First Order Resolution Methods for Modal Logics. (2008) Schmidt, R. and Hustadt, U., *in* Lecture Notes in Artificial Intelligence, Podelski, A., Voronkov, A. and Wilhelm, R. (editors). Springer. (Pre-publication copy).
33. Core Java Volume II–Advanced Features. (2008) Horstmann, C and Cornell, G. Prentice Hall.
34. Resolution Based Methods for Modal Logics. (2000) de Nivelle, H., Schmidt, R. and Hustadt, U., Logic Journal of the IGPL 8(3), 265-292.
35. The decidability of the first-order theory of the Knuth-Bendix order in the case of unary signatures. (2002) Korovin, K. and Voronkov, A. FSTTCS'02. Lecture Notes in Computer Science, 2556, 230-240. Springer-Verlag. and
An AC-Compatible Knuth-Bendix Order. (2003) Korovin, K. and Voronkov, A. CADE'03. Lecture Notes in Computer Science, 2741, 47-59. Springer Verlag.
36. A machine-oriented logic based on the resolution principle. (1965) Robinson, J. J.ACM, 12, 23-41.
37. Mechanized Reasoning and Model Generation for Extended Modal Logics. (2003) Schmidt, R. and Hustadt, U. *in* de Swart, H., Orłowska, E., Schmidt, G. and Roubens, M. (editors) Theory and Applications of Relational Structures as Knowledge Instruments, Lecture Notes in Computer Science, 2929, 38-67. Springer.
38. Using Resolution for Testing Modal Satisfiability and Building Models. (2002) Hustadt, U. and Schmidt, R. Journal of Automated Reasoning 28(2) 205-232.
39. A Resolution Based Decision Procedure for Extensions of K4. (2000) Ganzinger, H., Hustadt, U., Meyer, C. and Schmidt, R. *in* Zakharyashev, M., Segerberg, K., de Rijke,

M. Wansing, H. (editors) *Advances in Modal Logic* Volume 2, 243-263. CSLI Publications, Stanford.