

Readings in Intensionality

COMP 9330, Session 1, 2000

Ammar Alammar

April 19, 2000

The readings listed below have been designed to cover the gamut of research in intensional programming and intensional versioning. Some of the work is highly technical, either mathematical or in terms of high-level systems work, while others are of a much more conceptual/intuitive nature.

The final deliverable from this set of readings will be a set of clearly specified open problems, which can be transformed into Ph.D. proposals. Presumably one of these problems will be used by the student for his Ph.D. proposal.

- S. Abramsky and A. Jung. Domain Theory. In *Handbook of Logic in Computer Science*, Vol. III, Clarendon Press, 1994.
- E. A. Ashcroft, A. A. Faustini, R. Jagannathan and W. W. Wadge. *Multidimensional Programming*. Oxford University Press, New York Oxford, 1995.
- D. R. Dowty, R. E. Wall and S. Peters. *Introduction to Montague Semantics*. D. Reidel, Dordrecht, 1981.
- R. Jagannathan and C. Dodd. *GLU Programmer's Guide, Version 1.0*. Computer Science Laboratory, SRI International, Menlo Park, California. n.d.
- S. A. Kripke. *Naming and Necessity*. Harvard University Press, Cambridge, Massachusetts, 1980.
- M. A. Orgun and W. Du. Multidimensional logic programming: Theoretical foundations. *Theoretical Computer Science* 185(2):319–345, 1997.
- J. Paquet. *Intensional Scientific Programming*. Ph.D. Thesis, Laval University, Québec, Canada, 1999.
- J. Plaice. Multidimensional Lucid: Design, Semantics, Implementation. In P. Kropf, G. Babin, J. Plaice and H. Unger, editors, *Distributed Communities on the Web*, Lecture Notes in Computer Science 1830, Springer-Verlag, Berlin New York, 2000.

- J. Plaice and P. Kropf. Intensional communities. In P. Rondogiannis and M. Gergatsoulis, editors, *Intensional Programming II*, World-Scientific, Singapore, 2000.
- J. Plaice and W. W. Wadge. A new approach to version control. *IEEE Transactions on Software Engineering* 19(3):268–276, March 1993.
- P. Rondogiannis and W. W. Wadge. First-order functional languages and intensional logic. *Journal of Functional Programming* 7(1):73–101, January 1997.
- P. Rondogiannis and W. W. Wadge. Higher-order functional languages and intensional logic. *Journal of Functional Programming* 9(5):527–564, September 1999.
- m. c. schraefel, B. Mancilla and J. Plaice. Intensional hypertext. In P. Rondogiannis and M. Gergatsoulis, editors, *Intensional Programming II*, World-Scientific, Singapore, 2000.
- D. Scott. Advice on modal logic. In K. Lambert, editor, *Philosophical Problems in Logic*, D. Reidel, Dordrecht, 1969.
- P. Swoboda. Practical languages for intensional programming. Master’s thesis, University of Victoria, Canada, 1999.
- W. W. Wadge. Intensional logic in context. In P. Rondogiannis and M. Gergatsoulis, editors, *Intensional Programming II*, World-Scientific, Singapore, 2000.
- W. W. Wadge and E. A. Ashcroft. *Lucid, the Dataflow Programming Language*. Academic Press, London, 1985.