

Frank Richter:
Negative Polarity Items

Basic Notions of Logic

The books listed below are introductory textbooks to logic, the lambda calculus and to the use of logic in natural language semantics. These books comprise everything we will need in this seminar.

[Dowty et al., 1981] is the classical introduction to Montague semantics. [Chierchia and McConnell-Ginet, 2000] is a more recent textbook on Montague semantics which takes later developments into account. An appendix contains an informal but sufficiently precise overview of the most essential notions in set theory (sets, Cartesian products, relations, functions).

[Ebbinghaus et al., 1992] is a very good introduction to mathematical logic with an emphasis on first order predicate logic (FOL). It discusses the most important results on FOL and its relationship to higher order logics. The two volumes by Gamut [Gamut, 1991a, Gamut, 1991b] provide a comprehensive introduction to logic as used in model-theoretic approaches to the meaning of natural languages. [Hindley and Seldin, 1986] is a standard textbook on the lambda calculus.

References

- [Chierchia and McConnell-Ginet, 2000] Chierchia, Gennaro and McConnell-Ginet, Sally 2000. *Meaning and Grammar*. The MIT Press, 2nd edition.
- [Dowty et al., 1981] Dowty, David R., Wall, Robert E., and Peters, Stanley 1981. *Introduction to Montague Semantics*. D. Reidel Publishing Company.
- [Ebbinghaus et al., 1992] Ebbinghaus, Heinz-Dieter, Flum, Jörg, and Thomas, Wolfgang 1992. *Einführung in die mathematische Logik*. B.I.-Wissenschaftsverlag, 3rd edition.
- [Gamut, 1991a] Gamut, L. T. F. 1991a. *Logic, Language, and Meaning. Volume I. Introduction to Logic*. The University of Chicago Press.
- [Gamut, 1991b] Gamut, L. T. F. 1991b. *Logic, Language, and Meaning. Volume II. Intensional Logic and Logical Grammar*. The University of Chicago Press.
- [Hindley and Seldin, 1986] Hindley, J. Roger and Seldin, Jonathan P. 1986. *Introduction to Combinators and the lambda-Calculus*. Cambridge University Press.