

A minimal bibliography for the course on
Strong static typing and advanced functional programming

On types and programming languages:

- B. Pierce, *Types and Programming Languages*, MIT Press, 2002.
- B. Pierce editor, *Advanced Topics in Types and Programming Languages*, MIT Press, 2004. (*)
- X. Leroy, F. Pottier, *Typage et programmation*, notes in French, available electronically from <http://cristal.inria.fr/~fpottier/mpri/dea-typage.ps.gz/>, 2002.
- F. Pottier, D. Rémy, *The Essence of ML Type Inference*, in (*).

On the Objective Caml programming language:

- The Caml language, <http://caml.inria.fr>.
- D. Rémy, *Using, Understanding, and Unravelling the OCaml Language*, notes, available electronically from <http://cristal.inria.fr/~remy/cours/appsem/>, 2001.

On module systems and Objective Caml objects:

- X. Leroy, *A modular module system*, in Journal of Functional Programming, 10(3), 2000.
- R. Harper, B. Pierce, *Design issues in advanced module systems*, in (*).
- D. Rémy, J. Vouillon, *Objective ML: an effective object-oriented extension to ML*, in Theory and Practice of Object Systems, 4(1), 1998.

On the correctness and on the complexity of ML type inference algorithm:

- O. Lee, K. Yi, *Proofs about a folklore let-polymorphic type inference algorithm*, ACM Transactions on Programming Languages and Systems, 20(4), 1998.
- P. Kanellakis, H. Mairson, J. Mitchell, *Unification and ML type reconstruction*, in Computational Logic—Essays in honour of Alan Robinson, MIT Press, 1991.

On constraint based type systems:

- M. Odersky, M. Sulzmann, M. Wehr, *Type inference with constrained types*, in Theory and Practice of Object Systems, 5(1), 1999.
- C. Skalka, F. Pottier, *Syntactic type soundness for HM(X)*, in Proc. Workshop on Types in Programming, 2002.

On the Curry-Howard correspondence:

- R. Hindley, *Basic Simple Type Theory*, Cambridge University Press, 1995.
- J.Y. Girard, Y. Lafont, P. Taylor, *Proofs and Types*, Cambridge University Press, 1989.