

Available online at www.sciencedirect.com

Electronic Notes in Theoretical Computer Science

Electronic Notes in Theoretical Computer Science

www.elsevier.com/locate/entcs

Typed Logical Variables in Haskell

Claessen Koen and Peter Ljunglöf

Abstract

We describe how to embed a simple typed functional logic programming language in Haskell. The embedding is a natural extension of the Prolog embedding by Seres and Spivey [16]. To get full static typing we need to use the Haskell extensions of quantified types and the ST-monad.