



Modules and Records in Agda

Ulf Norell

MLPA, Edinburgh 2010



Introduction

- Modules
 - name space management
 - no first class modules or module types
- Records
 - nothing more than Σ -types
- Question:
 - How far can we get with such primitive tools?
- To answer that: Let's do some Agda!

Future work

- Improve syntax for record values
 - allow fields to be defined as recursive functions
- ML-style sharing / record subtyping / type classes
 - requires actual work

Conclusions

- Modules
 - name space management
 - parameterization
- Records
 - Σ -types
- How far do we get?
 - Surprisingly far!