FLOPS 2016 Agda Tutorial

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Agda Features (✓ this tutorial)

✓ Dependent function types
✓ Curry-Howard
✓ Indexed data types
✓ Dependent pattern matching
✓ Interactive programming
✓ Unicode and mixfix operators
✗ Modules (parameterized)
✗ Records
✗ Universe polymorphism
✗ Standard library
✗ Compilation
✗ Coinduction, copatterns
✗ Sized types
✗ Without-K
✗ Rewriting
Getting Agda

- Source distribution for GHC 7.6, 7.8, 7.10
- Haskell platform + latest alex, happy, cpphs
- Latest release: 2.4.2.5
  - cabal install Agda
- Development version: 2.5.0
  - git clone https://github.com/agda/agda.git
  - cd agda
  - make
- You might end up in cabal hell...