

# Dependent Typing in Agda

(talk with Andrew Wadsworth)



Agda

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This material in this talk is based on our paper:

Axioms for Modelling Cubical  
Type Theory in a Topos, CSL 2016

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- ▶ Translating this into Agda
- ▶ Our axiomatisation

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- ▶ The internal type theory of a topos
- ▶ Translating this into Agda
- ▶ Our axiomatisation
- ▶ Why this is a good approach