Collapsing Heterogeneous Towers of Interpreters

Michael Buch – mb2244

University of Cambridge

May 24, 2019

Overview

Table of Contents

Motivating Example

Table of Contents

Table of Contents

Type-Directed Partial Evaluation

$\lambda_{\uparrow\downarrow}$

Table of Contents

Ingredients

- Multi-level Language
- Stage Polymorphism
- TDPE-style Lift

Table of Contents

Table of Contents

Table of Contents

Conclusions

Future Work

mb2244