

Indexed Containers

Thorsten Altenkirch Neil Ghani Peter Hancock
Conor McBride Morris

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Abstract

Blah

1 Introduction

2 Background

2.1 Type Theory

$B @ > l < @ 3 @ > l < @ 5 @ > l < @ E @ > l < @ [B] \mathbf{record} \ IFunc \ \{ I : Set \} :$
 $Set \ \mathbf{where} [E]$
 $[B] \ \ [3] \ [3] \mathbf{field} [E]$
 $[3] \ \ [5] \ [5] \mathit{obj} : (A : I \rightarrow Set) \rightarrow Set[E]$
 $[3] \ \ [5] \ [5] \mathit{mor} : \{ A \ B : I \rightarrow Set \} \rightarrow (A ==> B) \rightarrow \mathit{obj} \ A \rightarrow \mathit{obj} \ B[E]$

2.2 Containers

3 Indexed Functors

4 Indexed containers

5 Initial Algebras of Indexed Containers

6 Strictly Positive Types

7 Conclusions