AS

Paper Outline

Setting a GIT account: Amey

Title: An uniform framework for liveness and strictness analysis.

Abstract: AS

Introduction: Amey

Target Language: Same

Operational Semantics:

Liveness Basics and Notations

~~Analysis: Liveness and strictness~~:
AS with Prasanna

Proof of correctness

Summary of the automaton generation

Inserting eager evaluation statements

Results

Conclusions

An example which demonstrates the need for strictness analysis: Amey and Prasanna

Related work - Prasanna

Stricness analysis example on the next page

```
lgo  z  []     = z
lgo  z  (x:xs) = lgo  (f z x)  xs
```

Assume that $LF_f^1(\sigma) = LF_f^2(\sigma) = \varepsilon$

$$LF^1_{lgo}(\sigma) = \sigma \cap LF^1_f(LF^1_{lgo}(\sigma))$$

$$LF^2_{lgo}(\sigma) = \varepsilon \cup 0 \cdot \cancel{LF^2_f(LF^1_{lgo}(\sigma)) \cup \varepsilon} \cup 1 \cdot \cancel{LF^2_{lgo}(\sigma) \cup \varepsilon}$$