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Automatic Graph Tracking in Dynamic Probabilistic Programs via Source Transformations

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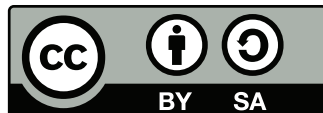
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The \LaTeX source of this document is available at
<https://github.com/philpsgabler/master-thesis>
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ABSTRACT

Alles sehr abstract hier.

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1 Introduction

1.1 PROBLEM DESCRIPTION

1.2 RELATED WORK

2 Background

Some introduction here. sdf sd sld fslkdjf sldkj
sldk sldkfs dfslkd flsdkjf lskdfj

2.1 BAYESIAN INFERENCE AND PROBABILISTIC PROGRAMMING

2.2 COMPUTATION GRAPHS AND AUTOMATIC DIFFERENTIATION

2.3 METAPROGRAMMING AND COMPILATION IN JULIA

3 Implementation of Dynamic Graph Tracking in Julia

3.1 AUTOMATIC GRAPH TRACKING AND EXTENDED WENGERT LISTS

3.2 APPLICATIONS

3.2.1 Dependency Analysis in Dynamic Models

3.2.2 JAGS-Style Automatic Calculation of Gibbs Conditionals

4 Evaluation

5 Discussion

5.1 FUTURE WORK

COLOPHON

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