Thesis

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1 Abstract

2 Introduction

3 Theoretical Basis

As stated before the measure employed to analyze the time invariance of lambda calculus, or, said differently, its universality, is the number of transitions in a turing machine. If the implementation introduced in **Beta reduction invariance Paper citation** – is correct, then by means of the Linear Substitution Calculus, it is possible to represent even size-exploding terms in Turing machines. The proof will be dividied into two sections, and this paper will focus on the implementation of the first in Haskell.

3.1 High-Level Implementation