Synopsis

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1 Title

"Programmer tools based on static semantic analysis of SML programs, with special emphasis on semi-automatic rewriting of declarations to predefined forms."

2 Motivation

Today functional programming languages are not very widespread outside academic circles. A reason for this is that not many programmer assisting tools exist for functional programming languages compared to certain imperative languages.

Functional programming languages has a wide variety of advantages that make them specially suited for quick and correct statical analysis.

We wish to make functional programming, specifically in SML, easier to approach for the beginner as well as more advantageous for the veteran. The means by which we hope to accomplish this task is the development of a framework for implementing programmer assisting tools, and one or more actual tools.

3 Elaboration

4 Primary goals

5 Secondary goals

6 Limitation

7 Tasks and timeline