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*Problem statement for Master's thesis*

## Title: **Similarity evaluation of Abstract Syntax Trees**

With this Master's thesis the author aims to develop a performant application to analyse and measure different types of similarities between pairs of mathematical expressions in the form of Abstract Syntax Trees (AST) with quantitative and qualitative methods of comparison.

Each method will be tested and evaluated. The evaluation criteria will be decided during the initial phase of the MSc thesis project.

The application will be developed with the use of functional programming (Scala) for what concerns ASTs comparison and imperative programming (Java) where needed.