Design and Implementation of the **NUMEX** Interpreter

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Technical Report

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1.1 **Introduction**

Racket is a powerful functional programming language. In this language, the focus is mainly on the functional programming but, it’s not pure functional. There are also imperative features. The language is used in a variety of contexts such as scripting, general-purpose programming, computer science education, and research. This project has to do with NUMEX (Number-Expression Programming Language). NUMEX programs are written directly in Racket by using the constructors defined by the structs defined at the beginning of numexLang.rkt in the source code directory.

1.2 **Racket Syntax**