## Final Exam

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## Abstract

The Final exam solution of exercise XX. An implementation of Arctangent and Arccotangent using complementary and mutual recursion methods for a more efficient algoritm by solving their generating differential equation.

## Problem description

## Implementation and Solution

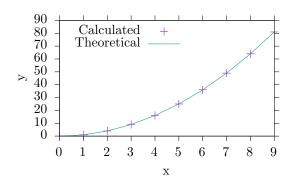


Figure 1: Comparison between the calculated arctangent function using the differential equation found in "myarctan.c" and the arctangent function from the math.h library.

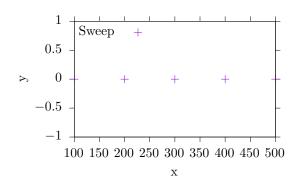


Figure 2: Examination of the computing time as a function of....

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