ASSIGNMENT 2 DESIGN DOCUMENT

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About:

The purpose of this program is to create a small numerical library alongside a test harness. The program will contain the implementation of sin, cos, arcsin, arccos and arctan without using any of the math functions within the C library.

Design Progress:

Sin Function:

This is a function that performs an operation similar to that of Sine.

Cos Function

This is a function that performs an operation similar to that of Cosine.

Arcsin Function

This is a function that performs an operation similar to that of Arcsine.

Arcos Function

This is a function that performs an operation similar to that of Arccosine.

Arctan Function

This is a function that performs an operation similar to that of Arctan.

Log Function

This function runs my version of a Log function.

Mathlib Tests

The math lib tests are a program that tests that all the math functions are functional.