Assignment 1 Report

# Question 1: Hybrid

In this question we were asked to design a function that used both the bisection method as well as newton iteration to determine the roots of a given function for a given interval. The bisection method uses a process of shortening intervals by determining if the product of the value of the function at a given input can contain a root. If the product is evaluated to be negative then at most one interval produces a negative value for the function while the other produces a positive value. This process is repeated to a desired accuracy.

## File Descriptions

* hybrid.m:
* findIntervals.m:
* hybridTest.m:

## Methodology

## Results

## Conclusion

# Question 2: NewtonD

## File Descriptions

* newtond.m:
* newtondTest.m:

## Methodology

## Results

## Conclusion