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Lab 5

Data Analysis

Feb 19, 2019

In this lab the goal was to take nine initial x-values and use the function…

To evaluate for f(x) then form and test a Newton Interpolate based on the points. The program that was designed initially found the points then determined a divided difference table (DDT). This DDT was used to evaluate the nested polynomial formed by the Newton Interpolate. The data from the assigned points is below…

Initial values: -8, -6, -4, -2, 0, 2, 4, 6, 8 tested on Xi = [-8,8] ϵ Z



List of items learned

* Divided Difference Table
* Newton Interpolate
* C++ practice
* Calculating absolute error practice