Assignment 2

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1 Running mathlib-test

Here is an example of runnig my tests:

2 Calculation of PI

These three methods converge really quickly to desired value

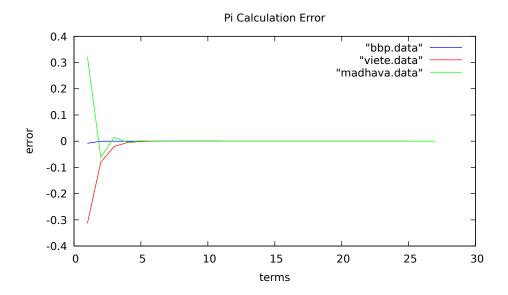


Figure 1: This is Viete BBp and Madhava Pi Calculation Error

But Euler Pi calculation converges really slowely

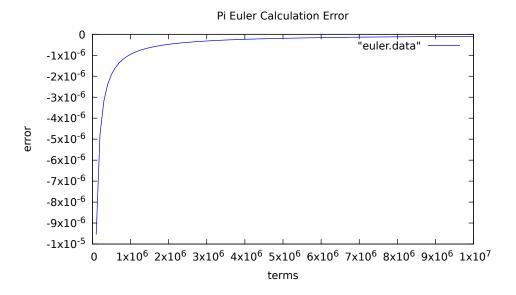


Figure 2: This is Euler Pi Calculation Error

3 Calculation of E

Shows the error clauclation of e()

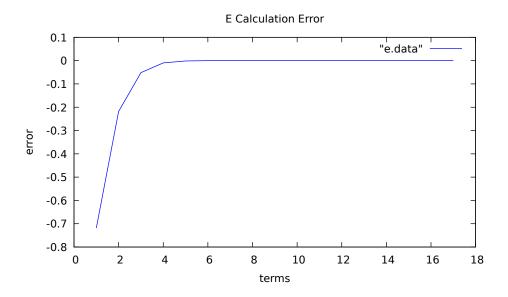


Figure 3: This is Euler E Calculation Error

4 Calculation of Square Root of Two

Shows the error clauclation of Sqrt 2

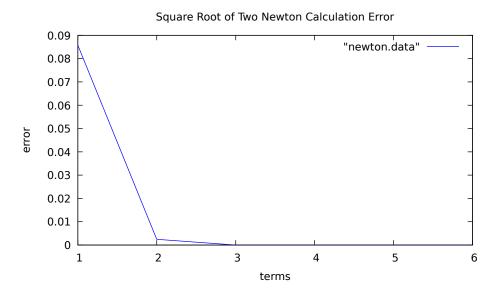


Figure 4: This is Square Root of Two Newton Calculation Error