Homework 0 Report

Anthony Falcon

In this assignment we wrote a program called *piappx.f90* which is designed to approximate pi to a differing number of decimal places. Those decimal places are 4, 8, 12, and 16. Below is a table with the number of iterations needed to reach the decimal accuracy.

|  |  |
| --- | --- |
| Decimal Accuracy | Number of Iterations |
| 4 | 3 |
| 8 | 5 |
| 12 | 8 |
| 16 | 11 |