

Assignment 1

Scientific Computing with MATLAB
due: Sep 24, 2019

1. Newton's Method for Square Root

Write a MATLAB script to estimate the square root of any number using [Newton's method](#). Write it so that the number whose square root is to be taken, and the number of iterations are both parameters (variables) that can be set by the user or the programmer. You can choose the initial guess on your own, use whatever you like. I suggest the number 10.0 as in the Wikipedia example.

Find the square root of 612 using 5 iterations. Try it again using 10 iterations.