

Homework 1: M-Files

1. Write a function m-file, fun01.m, which defines $y = \sin(x^2) + x$ where x is a vector-valued input. Evaluate m-file using the vector $x = [0 : 0.5 : 3]$.
2. Write a script m-file, plotfun01.m which plots fun01.m over the interval $[0,3]$ with a step of 0.2. The script m-file should also give the plot an appropriate title and labels for the x and y axis.