

LAB 3

Redo lab 2 using Matlab

1. Product of an Array and a constant

Write a Matlab program that multiplies an array with a constant and displays the result

2. Matrix Multiplication

Write a Matlab program to multiply two Matrices.

Use $A=1,2,3$ and $B=4,5,6$

Test this program with 4 other matrices of various dimensions

3. Array Dot Product

Write a Matlab program which multiplies two arrays and displays the dot product result

Use the same matrices used in part 2.

4. Random number generator

a) Write a matlab program to generate 50 random numbers between 0-1 from a uniform distribution and display it graphically.

b) Add a loop to have this run for 10 times and then plot the 500 numbers.