

MATH 371-02 (192)
MATLAB # 3
Due Feb. 25, 2020

Write a MATLAB code to implement Algorithm 3.2 in your textbook. Use it to construct interpolating polynomial of degree three for the following data:

$$f(-0.5) = 1.93750, \quad f(-0.25) = 1.33203, \quad f(0.25) = 0.800781, \quad f(0.5) = 0.687500.$$

Plot the polynomial over a suitable interval