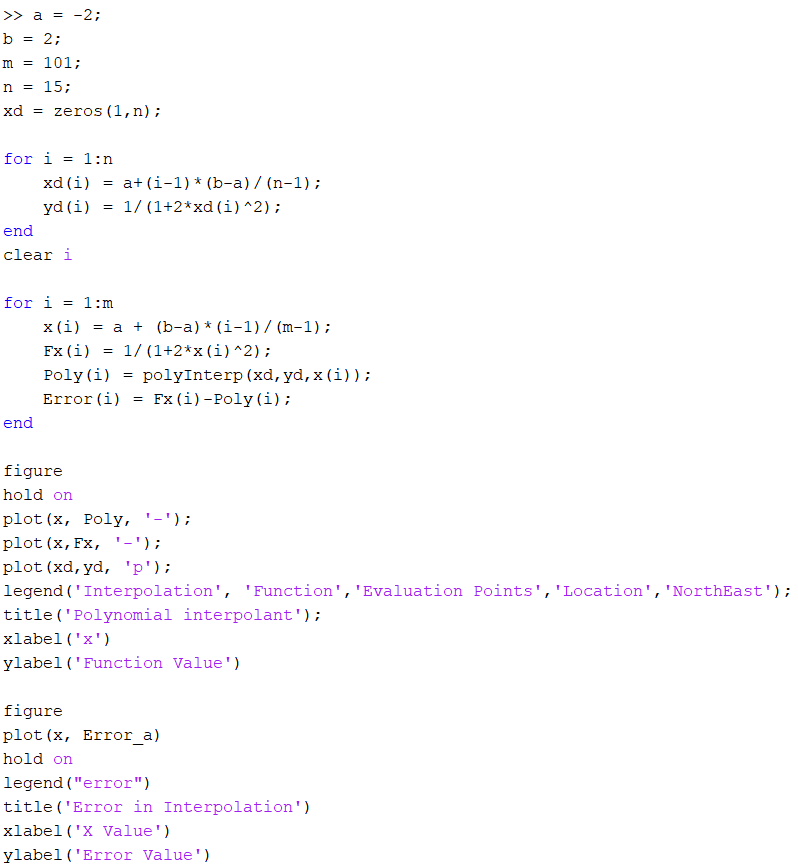
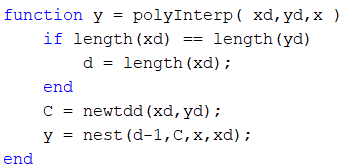
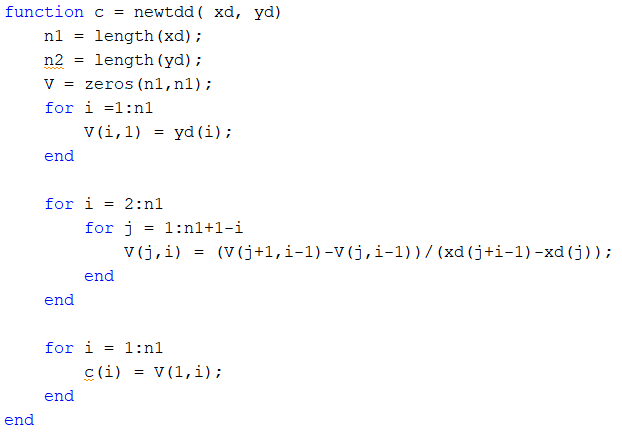
3

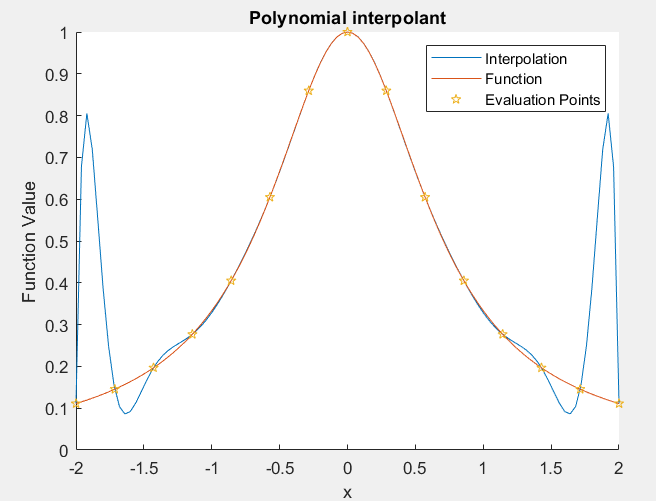
1. Input code:

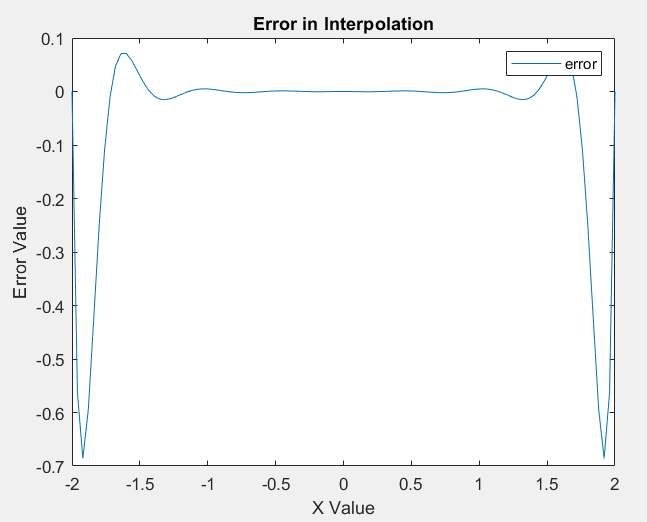
Function code:





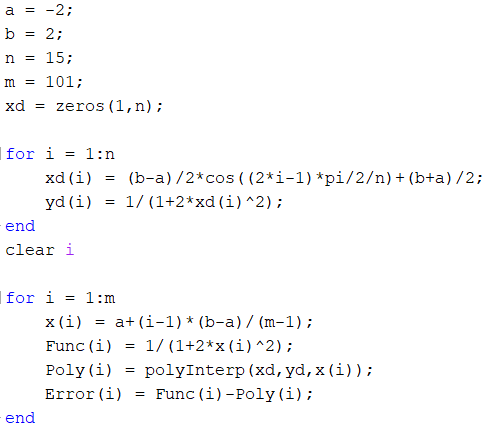
Graph:

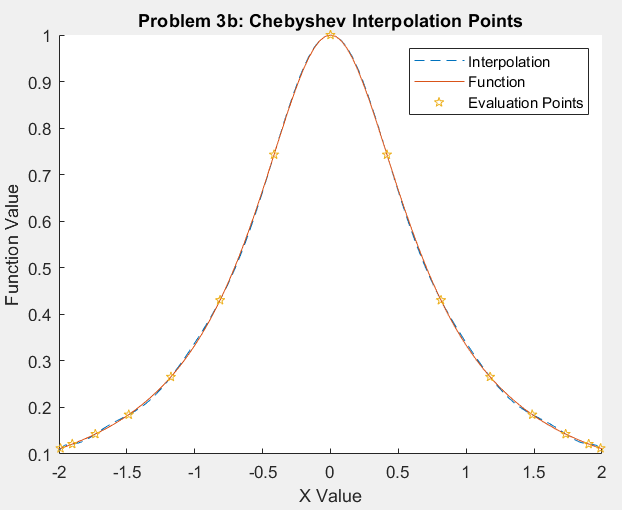
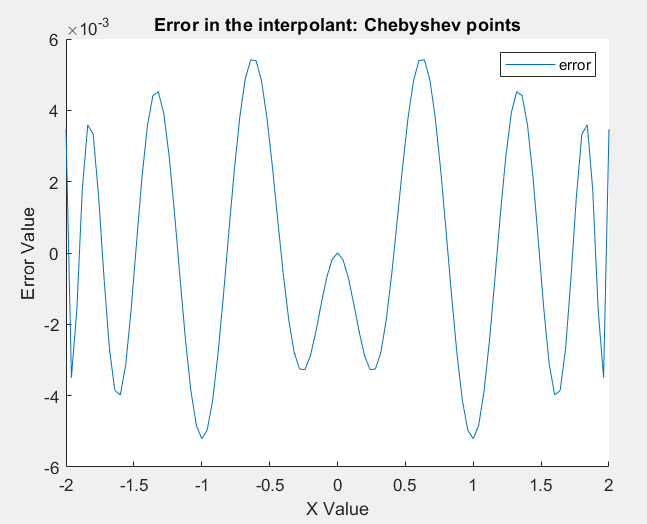




1. Use previous code to test non-equally spaced Chebyshew points

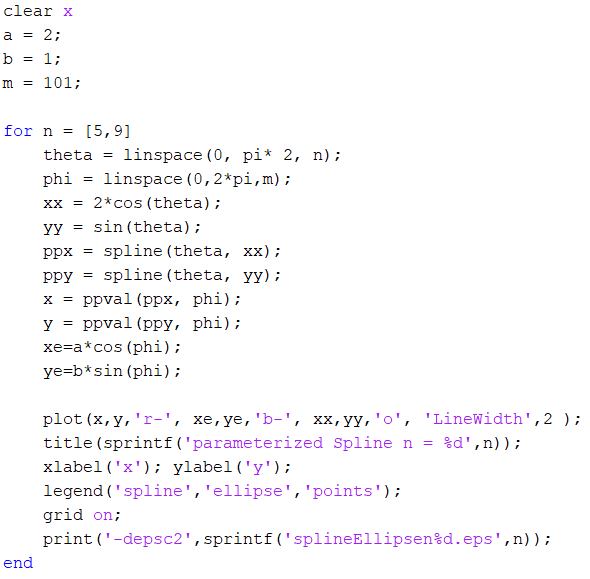
Input code:

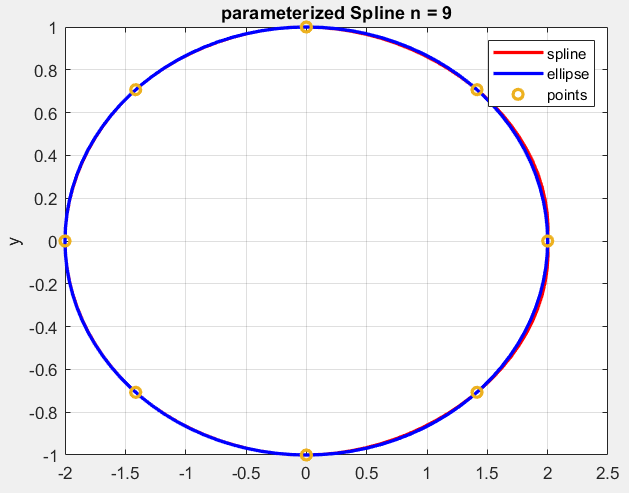
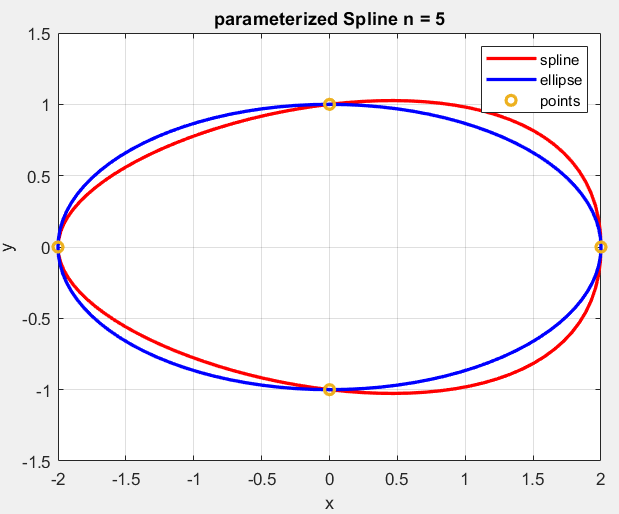


Graph:

4.

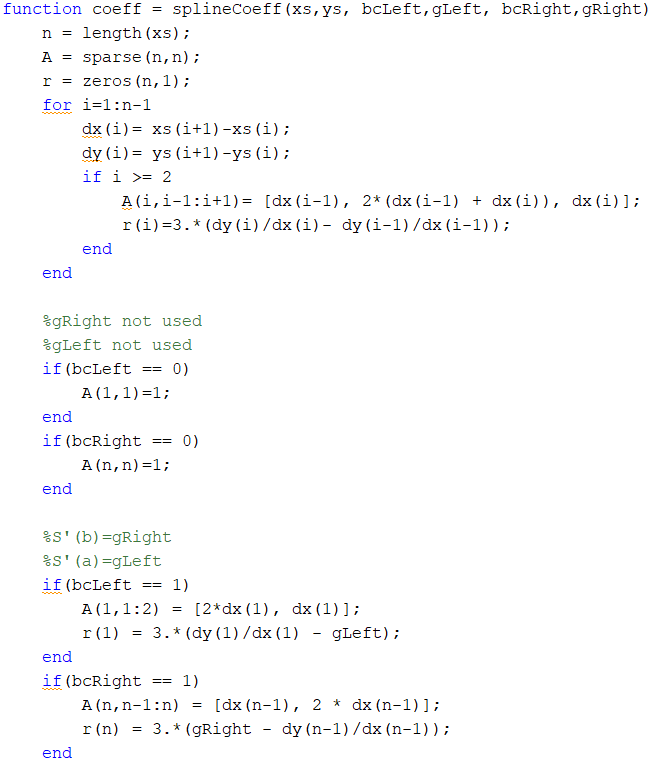
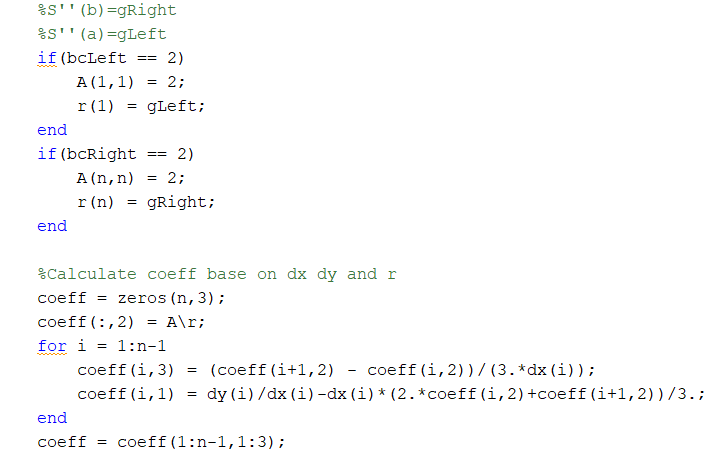
(c) code for graphing:



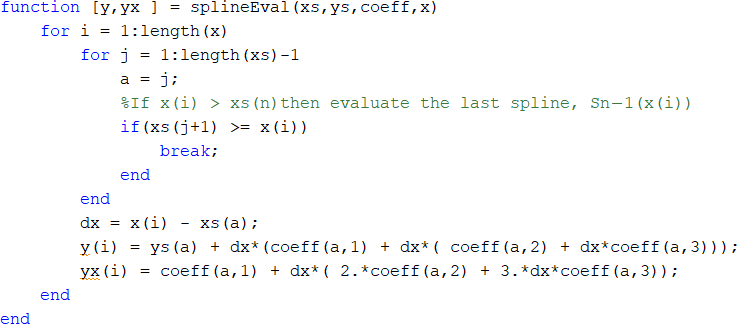
graph:

5

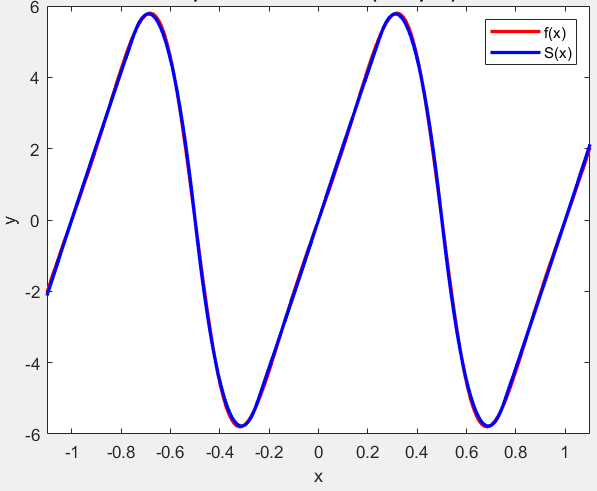
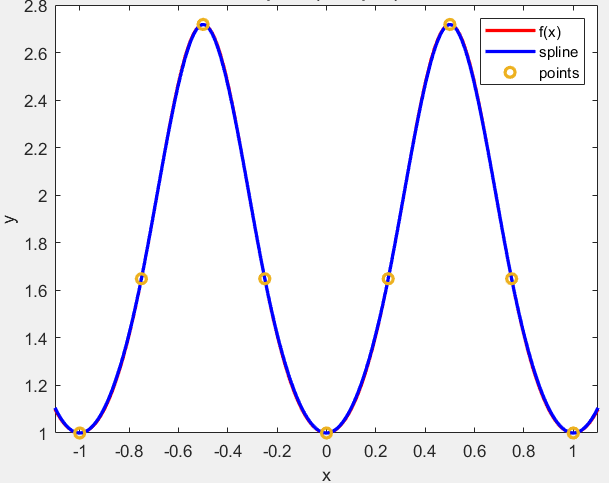
Code for coeff, code is written based on textbook:

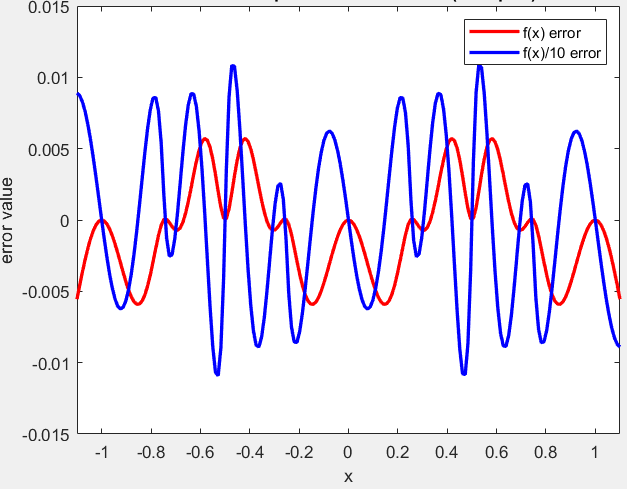


Function splineEval:

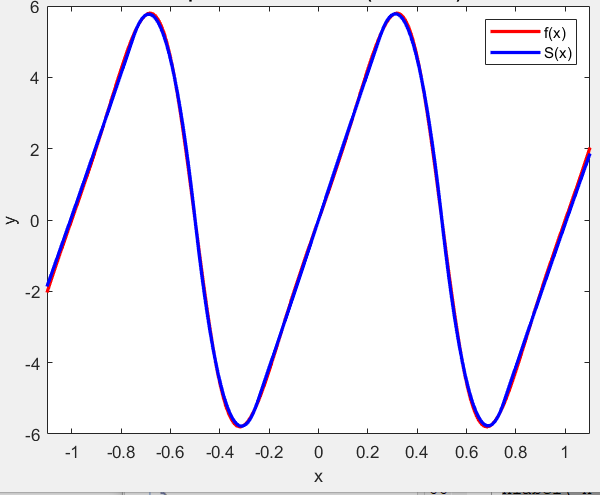
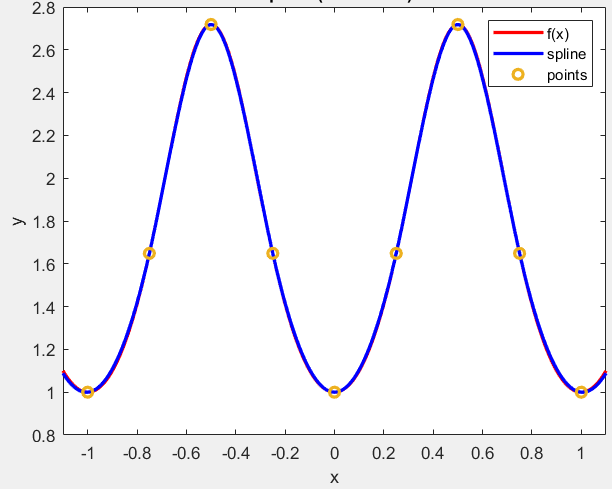
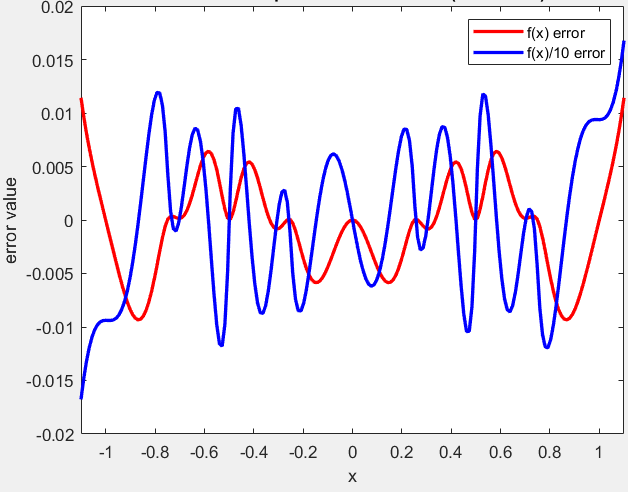


(a)





1. Curvature boundary conditions with gLeft = f’’(a) and gRight = f’’(b).



1. Natural boundary conditions.

