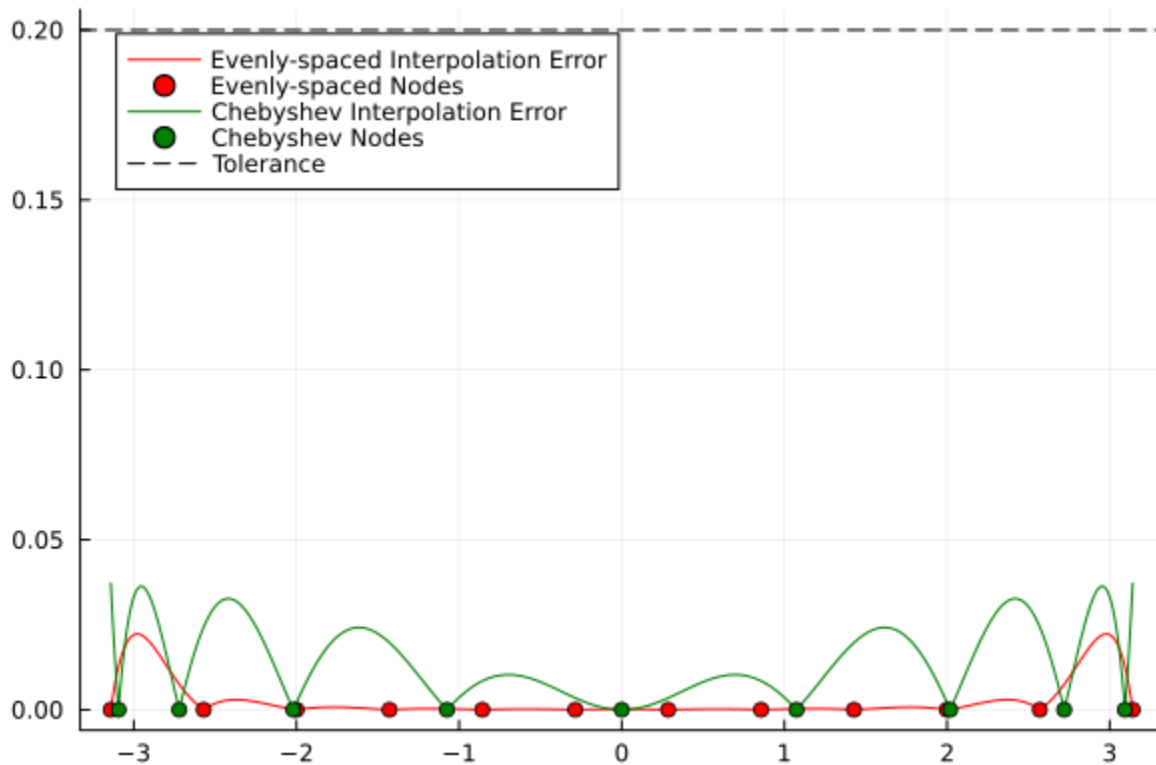


Q5)



From the plot and calculations of the two methods, both of the methods satisfy the error bound as shown in the plot. Evenly spaced it had used 12 points and Chebyshev Nodes used 9 points. Even though evenly spaced had less error than Chebyshev's method but Chebyshev's method uses less points. If we had used more points for Chebyshev, it would give more accurate values just like evenly spaced method too. Chebyshev node's distribution the points are more concentrated on the edge/bounds. As we increase the number of points (n value) the distribution of the node is more concentrated near the endpoints (a , b) and have a larger spacing as it get closer to the centre of the plot.