Math 3890, Machine Problem 2: Due 2/4/2021

1) The $n+1$-st degree Tchebycheff polynomial is defined on $[-1,1]$ and has zeros at the points $z_i = \cos(\frac{2i-1}{2n+2}\pi)$, $i = 1, \ldots, n+1$.

2) Repeat MP1 by replacing the equally spaced interpolation points in $[-5,5]$ by properly scaled versions of the points $z_1, \ldots, z_{n+1}$.

3) As with MP1 you will be submitting 3 plots annotated with max error values.