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Pkl4fr
HW 3
CHE2216

HW3 Text Solutions

Q2) Relative Absolute Errors:

3.97304148738315
0.622371187308916
0.0508540577644015
0.00306080340020605
1.76539256812815e-05
0
0

Q3) The range that I picked was 0.5 – 0.99. If the range is below 0.5 the R value becomes infinity, cannot be evaluated. In reality, this means nothing is leaving the reactor. While, if the range hits 1, the value of range becomes undefined because a zero appears in the denominator.

Q5) The first plot was a comparison of the function with varying alphas, using both parabolic and fminbnd functions. They both show the same data points and plot an exponential graph. In the second plot was a comparison of the function with varying width2 using both parabolic and fminbnd functions. The graph showed a linear like function.