Pyung Lee

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.