

Numerical Analysis Homework 3

Margaret Dorsey

November 11, 2016

Problem 1

Computation

Verifying Correctness

Problem 2

5 Point Stencils

Simpson's Rule

Problem 3

Trapezoid Method

Simpson's Rule

Cubic Spline Approximation

Problem 4

Median Photon Energy

Mean Photon Energy

Standard Deviation in Wavelength

Problem 5

a.)

b.)

c.)

d.)

Problem 6