

Computational Physics / PHYS-UA 210 / Problem Set #4
Due October 3, 2023

You *must* label all axes of all plots, including giving the *units*!!

1. Exercise 5.6 in Newman.
2. Exercise 5.10 in Newman.
3. Exercise 5.13 in Newman. Then: (d) Perform the calculation using Gauss-Hermite quadrature (`scipy` can give you the right roots and weights to use). Can you make an exact evaluation (meaning zero approximation error) of the integral?