

Homework 1 Dholakia

Ravi Dholakia

September 11, 2019

1 Problem 1

Familiarize yourself enough with a plotting package in Python (e.g. matplotlib) to plot a Gaussian with zero mean and a standard deviation of 3 over the range $[10, +10]$. Make sure the Gaussian is normalized correctly.

1.1 Response:

.ipynb file in repository

2 Problem 2

Create a short LaTeX document. You may use code on your laptop or you may use Overleaf or ShareLatex. For material for this describe your goals for this course, your background in programming and/or numerics, and (to the extent you know them) your plans after your degree is finished (grad school? industry? law school? etc.).

2.1 Response:

I want to learn mainly how to think of physics from a programming standpoint. I feel as if I should have taken this class earlier on in my physics curriculum. That being said, I have a good basic knowledge of Python and have used it extensively through labs and even for a small research endeavour I pursued last year with Professor Cerfon at Courant.

I am a senior graduating next May, and I don't yet know what I want to do. I'd love to get into aerospace engineering, for which I would go to grad school.