

Computation Physics Problem Set 1

Vedhasya Muvva

September 9, 2024

1 My Goals

My goal for this class is to better understand the field of Computational Physics. While I have experience with coding and have taken several courses on how the field of computation has grown to make code more efficient in both memory storage and computation time, I would like more experience in coding projects to understand simulations and common physics computation tools better. I have previously taken a numerical methods course and have a decent understanding of how computers make various computations, but I'm hoping the project and assignments will help deepen my understanding. After this physics master's program, I am hoping to go into industry. Honestly, I am not sure exactly what kind of job I will be looking for, but I am hoping that my many years of computer science background will be helpful.

2 Results from Question 2

The resulting image from the Gaussian Plot is displayed on the next page(1).

3 GitHub Account

My Github Account is VM2708 and all assignments for this class can be found at <https://github.com/VM2708/phys-ga2000>.

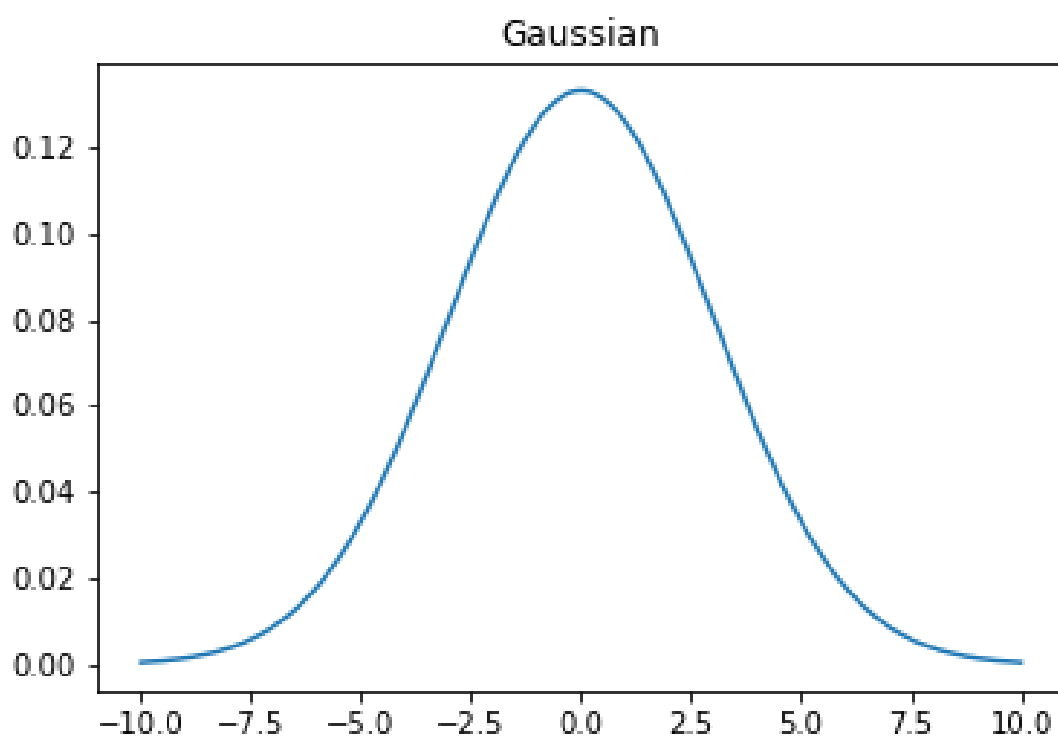


Figure 1: A plot of a Gaussian distribution with a mean of 0 and a standard deviation of 3