Comp Phys ps-1

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Abstract

This document contains the solutions to the first problem set for computational physics 2023.

1 The Prompt

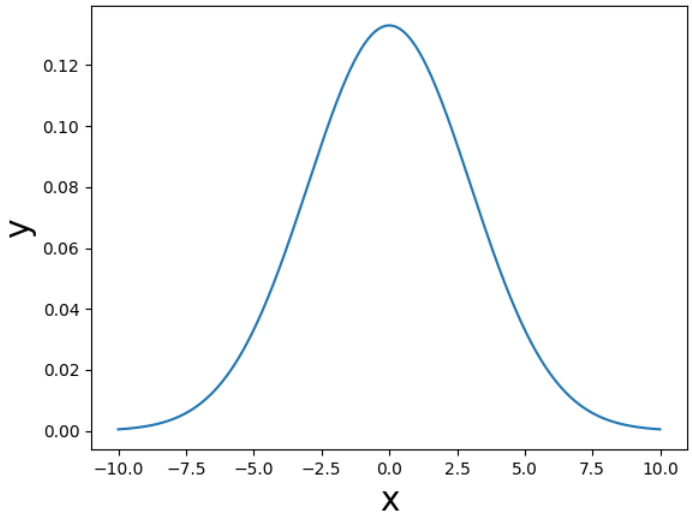
Write down a your goals for this course, your background in programming and/or numerics, and (to the extent you know them) your plans after your degree is finished (grad school? industry? law school? etc.). Write just one paragraph! If you write more than a page, you have written way too much. You won't be graded on the content of this, just whether you do it!! It will also help me understand what you want out of the class. In addition, you should include a figure with the PNG figure from part (2) above; include a caption for the figure. Finally, include the name of your GitHub account. Put the PDF with the document into the ps-1 folder and push it to GitHub.

2 My Paragraph

I'm interested in this course to get a better grasp of data science tools in Python. I'm especially curious about using FFT, because I have never successfully gotten that to work. I'm a decent coder, but I prefer hardware. Some of my projects are here. I want to get an engineering job after I graduate.

3 My Gaussian PNG

My Gaussian is as follows:



4 My GitHub

My GitHub username is andredubovski and my repo is here: https://github.com/andredubovski/phys-ua210