

Computational Physics Problem Set 1

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1 Experience, Goals and Future Plans

My experience in coding is limited to a MATLAB course as an undergrad, and this summer I took a course in C through Harvard's online CS50 program. I'm looking forward to this course for its application towards my current research into plasma physics and the optimization of magnetic field equilibria in stellarators. In the future, I'll be getting a PhD with the intention to conduct theoretical and computational fusion energy research, though I have yet to decide on a specialization (equilibrium, wave propagation, instabilities, turbulence, etc.).

2 Gaussian Plot

Github Account: [TheVoidWhichBinds](#)

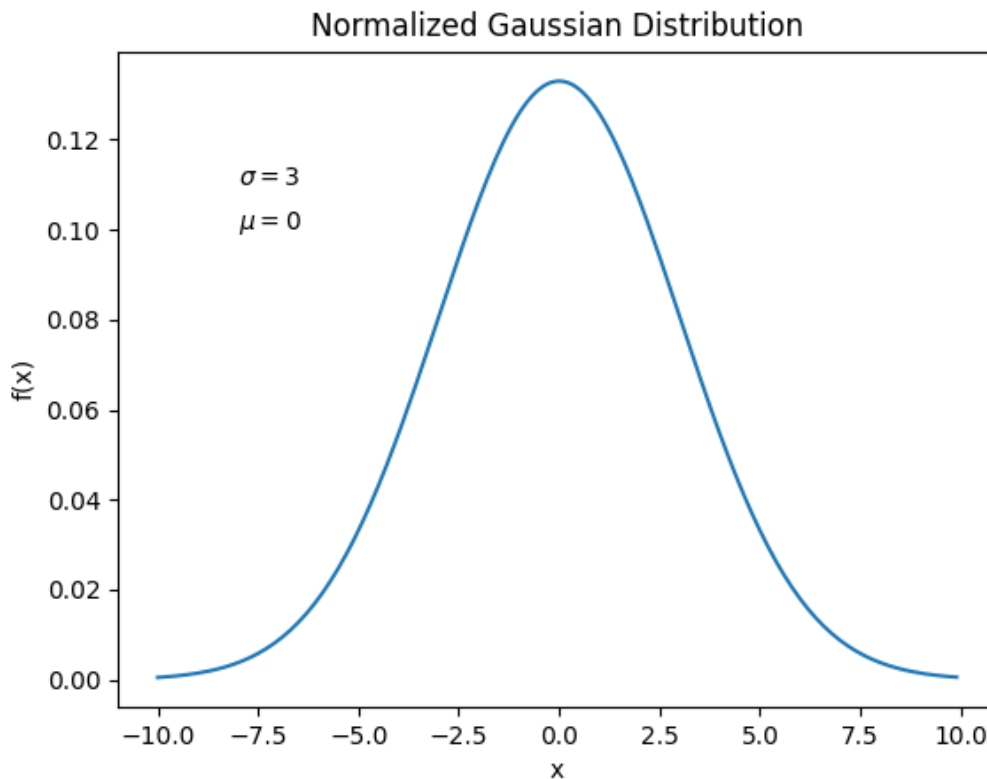


Figure 1: A Gaussian plot, normalized with a standard deviation of 3, centered at $x = 0$.