

PHYS 391, Homework #2

Key Concepts

- Mean, Standard Deviation
- Standard Deviation of the Mean
- Gaussian Distribution

Reading: Taylor Chapters 4-5

Homework Problems: Note, you may use any spreadsheet or python or any language to solve problems where there are data values to average...etc. You must also show scripts or equations used.

1. Problem 4.12
2. Problem 4.18
3. Problem 4.22
4. Problem 4.26
5. Problem 5.12
6. Problem 5.21 Either use the tables in the back of the book, or use the Python `erf(x)` function.
7. Problem 5.25
8. Problem 5.28