
Lecture 1: Q

Dimensions

1. Why is an angle dimensionless?
2. Why is $\int_{-\infty}^{\infty} e^{-3x^2} dx$ dimensionless? What about $\int e^{-\omega t} dt$?
3. Why is it bad to write h feet?
4. How can we insert dimensions into something dimensionless?
5. What is the significance of a dimensionless integral?

Not Dimensions

1. Can I learn to use these techniques effectively?
2. Will this class help with 18.02? *Div, Grad, Curl, and All That* by H. M. Schey will.
3. What is a transcendental number?
4. Is there a textbook?