Physics, Preparation for Tuesday, Nov. 14

Read N4 from *Six Ideas*

Office Hours

10am on Monday and Thursday till whenever people leave. If nobody shows up in the first half hour, I will likely go off and do other things. So come by between 10:00 and 10:30 and stay as long as you like. Knock loudly just in case I am in the kitchen instead of my office. Also, *I remain available at most other times!*

Presentations/Demonstrations

Angular Momentum Presentations/Demonstrations

1. We will get out the gyroscope again
2. Emma
    a. Real inertial navigation systems in airplanes, including pitch, yaw, and roll
    b. What does roll due to the front wheel of a bicycle?

N3 Presentations (some carried forward from Nov. 7)

3. Rebecca & Jack, N3R.2, p. 52, a graphical solution and an algebraic solution are both possible
4. Brian (maybe we only have time for one of these two):
    a. Theory Presentation, Derivation of the Fundamental Theorem of Calculus
    b. Theory Presentation, Uniform Circular Motion, including application to solar system orbits

N5 Presentation

5. Trey, N5M.12, p. 83, the drag coefficient

N6 Presentation

6. Will & Hexi, N6B.7, Lotsa practice making free body diagrams