

Physics, Preparation for Friday, Nov. 10

Read N5 from *Six Ideas*

Office Hours

I have added office hours starting at 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. *I still remain available at most other times.*

Presentations

N3 Presentations Carried Forward from Nov. 7

- 3. Rebecca & Jack, N3R.2, p. 52, a graphical solution and an algebraic solution are both possible
 - 4. Theory Presentation, Derivation of the Fundamental Theorem of Calculus
 - 5. Theory Presentation, Uniform Circular Motion, Kepler's Third Law, and Newton's Universal Theory of Gravitation
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For Problem Set #9

- 1. N4M.2, p. 68, A good statics problem which I swapped in for N4M.5, because N4M.5 was too much like the next problem N4R.1
- 2. N4R.1, p. 69, A torque balancing problem
- 3. N5B.7, p. 83, A basic plug-in for a frictionless cart on an inclined plane
- 4. N5M.1, p. 83, Requires use of the concept of the coefficient of static friction, quite a bit like Example N5.4, but first you have to estimate what fraction of the car's weight is on its rear wheels (usually about 40% for front-engine cars)