

Physics 262: Problem Set #6

These problems are due by the end of the day on Monday, Feb. 13. (But why not get them done on Friday as usual?!)

NOTE: For each problem, your solution should begin with a brief statement of the problem, i.e. a description of the setup, including a list of the inputs and the goal.

1. There is a worksheet to do and hand; we'll walk through it in class.
2. Morin 7.13 (Intersecting orbits) p. 299
3. Morin 8.61 (Perpendicular deflection) p. 345
4. Morin 9.6 (Rotating square) p. 415
5. Morin 9.10 (Rotating stick) p. 416
6. Morin 9.38 (Striking a triangle) p 423
7. Morin 9.42 (Pivot and string) p. 424
8. (BONUS) Morin 9.53 (Sliding lollipop) p. 427