Phys 410  
Fall 2014  
Homework #2  
Due Thursday, 18 September, 2014

All problems are from Taylor, *Classical Mechanics*.

1) Problem 2.52  Circular motion  
2) Problem 2.53  Charge in an electric and magnetic field  
3) Problem 3.2  Conservation of linear momentum  
4) Problem 3.8  Hovering  
5) Problem 3.12  Multistage rockets  
6) Problem 3.15  Center of mass  
7) Problem 3.25  Angular momentum  
8) Problem 3.30  Moment of inertia  
9) Problem 3.35  A disk rolling down an inclined plane

Extra Credit

1) Problem 2.55  The charged particle velocity selector