

## Problem Set 2 (due Oct 12, 2015)

1. **Single particle lagrangians** Jackson Problem 12.1 [Pg. 617]
2.  **$\mathbf{E} \perp \mathbf{B}$  motion** Jackson Problem 12.5 [Pg. 617]
3.  **$\mathbf{E} \angle \mathbf{B}$  motion** Jackson Problem 12.5 [Pg. 618]
4. **Momentum conservation** Jackson Problem 12.8 [Pg. 618]
5. **Particle motion** Jackson Problem 12.9 [Pg. 619]
6. **Particle motion** Jackson Problem 12.10 [Pg. 619]
7. **Stress tensors** Jackson Problem 12.16 [Pg. 621]