Assignment #8
Fields of Moving Charges
Lorentz force, Magnetic Field, Biot-Savart
Ampere's Law, Vector Potential

Reading Purcell: Chapter 5 and 6.

Problem Set #8
Work on all problems. Not all problems receive equal points. Total points for this set is 100.

- (15 points) [3] Purcell Problem 5.18 (p.204): Lorentz transformation of line charges and currents.
- (15 points) [5] Purcell Problem 6.3 (p.245): Field of current rings.
- (10 points) [6] Purcell Problem 6.4 (p.246): Field of current hairpin.
- (15 points) [7] Purcell Problem 6.31 (p.251): Field of moving charges.

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