Homework assignment 9

9-1 (a) Plot $\frac{dP}{d\Omega}$ versus Θ, for $\beta = 0$, 0.5, and 0.9, if $\dot{\vec{v}}$ is parallel to $\vec{v}$.

(b) Plot $\frac{dP}{d\Omega}$ versus Θ, for $\Phi = 0$, for $\beta = 0$, 0.5, and 0.9, if $\dot{\vec{v}}$ is perpendicular to $\vec{v}$

9-2 Write a paragraph that explains how a synchrotron light source works. Include the essential equation from theory, and include some quantitative information.

9-3 Exercise 11.8.3

9-4 Exercise 11.9.1

9-5 Exercise 11.9.2

9-6 Exercise 11.9.3