

Due Apr. 23, Thursday

Problem 1 (10 points) Problem 9.8 (circular polarization)

Problem 2 (10 points) Problem 9.10 (pressure from sunlight)

Problem 3 (10 points; Extra credit) In the previous problem, estimate the number of photons hitting per m^2 per sec.

Problem 4 (10 points) Problem 9.13 (Maxwell stress tensor, momentum flux)

Problem 5 (10 points) Problem 9.34 (Pressure by light)

Problem 6 (10 points) Problem 9.35 (Spherical wave)

Problem 7 (10 points; Extra credit) Problem 9.7 (Mechanical wave in resistive medium)