

- 1) The average intensity of solar radiation is 0.12 W/m^2 . What is the amplitude of the electric field of sunlight? If sunlight was monochromatic at 550 nm what photo flux would correspond to this intensity? (Btw., what color would that be?)
- 2) The dipole moment of a collection of charges is independent of origin under a certain condition. What is this condition? Is it satisfied by all molecules? Can you prove this?