Last time: polarization

- Components of $E_0$
  - $E_{0x} = E_{0y} e^{j\phi}$
    - $E_{0x} \oplus E_{0y}$ and $\phi = \pm n\pi \Rightarrow$ linearly polarized
    - $E_{0x} = E_{0y}$ and $\phi = \pm n\pi/2 \Rightarrow$ circularly polarized
    - $E_{0x} \ominus E_{0y}$ and $\phi \ominus \pm n\pi/2 \Rightarrow$ elliptically polarized

- Energy carried by EM waves
  - Intensity $\Rightarrow$ Poynting vector
Polarizers, waveplates and all that

Radiation pressure

- Energy density

- Flux

- Momentum

Radiation from accelerating charges

- Dipole approximation