

Prep guide – Scattering

Big picture goal – To discover the extent to which matter scatters radiation of different frequencies.

1) How is a scattering cross section defined? What special unit name do we give to 10^{-28} m^2 ?

2) How does the scattering cross section of typical media depend on frequency at low frequencies? What about at high frequencies?

3) Why is the noon sky blue, and the sunset reddish?