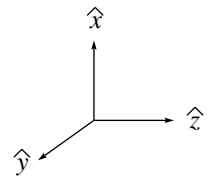


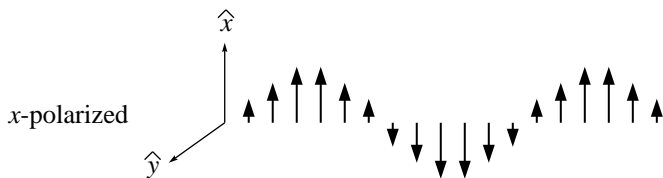
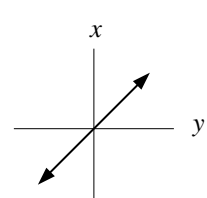
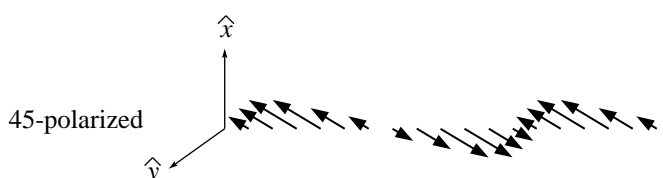
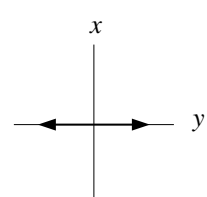
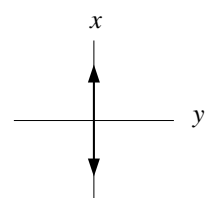
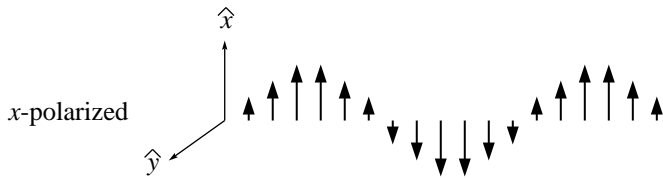
Polarization of Light



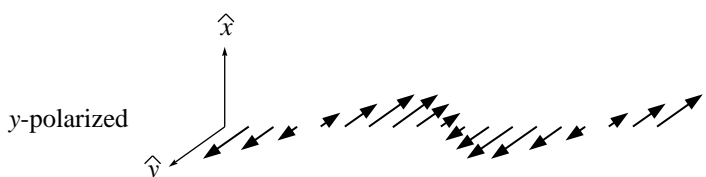
The light moves in the \hat{z} direction
 The length shown here is much shorter than the coherence length
 The vector shown is \vec{E}

SIDE VIEW
 (snapshot)

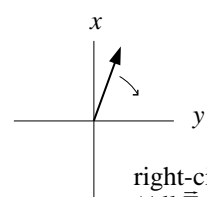
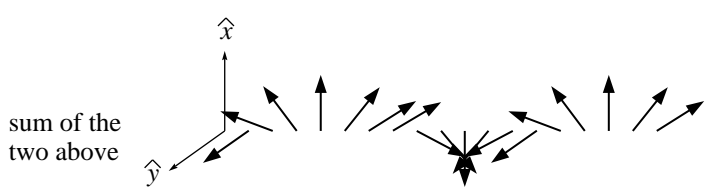
END VIEW
 (in \hat{z} direction at a given value of z)



$$E_m \hat{x} \sin(kz)$$



$$E_m \hat{y} \cos(kz)$$



right-circularly polarized!
 (All \vec{E} vectors are the same length.
 Tips of vectors form a left-handed spiral
 wrapping around the axis.)