Consider the following two linearly polarized waves:

$$E(\vec{r}, t)_1 = \vec{E}_{01} \cos(\vec{k}_1 \cdot \vec{r} - \omega t + \epsilon_1)$$

$$E(\vec{r}, t)_2 = \vec{E}_{01} \cos(\vec{k}_1 \cdot \vec{r} - \omega t + \epsilon_1)$$