



- Wavevector: $\mathbf{k}_2 = \nu_2 \frac{\omega}{c} (\sin \theta_2 \hat{x} - \cos \theta_2 \hat{y} + 0 \hat{z})$ $k_2 = |\mathbf{k}_2| = \nu_2 \frac{\omega}{c}$
- Electric field: $\mathbf{E}^{(2)} = \mathbf{A} \exp(i \mathbf{k}_2 \cdot \mathbf{r}) = \mathbf{A} \exp(i k_2 (x \sin \theta_2 - y \cos \theta_2))$