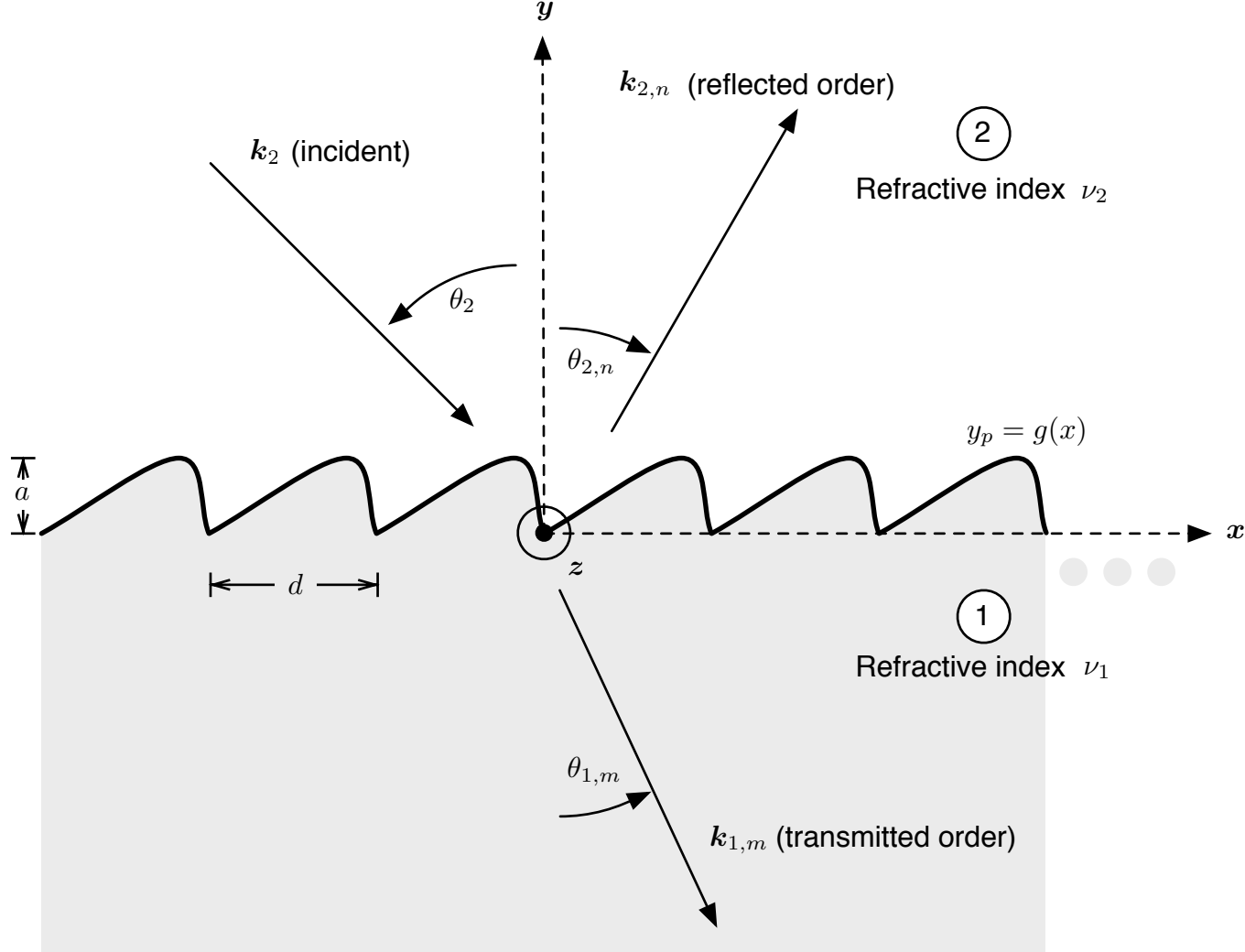

Wavevector: $\boldsymbol{k}_2 = \nu_2 \frac{\omega}{c} (\sin\theta_2 \, \hat{\boldsymbol{x}} - \cos\theta_2 \, \hat{\boldsymbol{y}} + 0 \, \hat{\boldsymbol{z}})$ $\qquad k_2 = |\boldsymbol{k}_2| = \nu_2 \frac{\omega}{c}$

Electric field: $\boldsymbol{E}^{(2)} = \boldsymbol{A} \exp(i \boldsymbol{k}_2 \cdot \boldsymbol{r}) = \boldsymbol{A} \exp(i \, k_2 \, (x \sin\theta_2 - y \cos\theta_2))$