

基于：线性角谱 Theory

$$(\nabla^2 + k_1^2) E_1(\mathbf{r}) = 0$$

$$\mathcal{F}^{-1} \left[\mathcal{F} [E_{10}(x, y)] \Big|_{\substack{x, y \\ k_x, k_y}} e^{i\sqrt{k_1^2 - k_x^2 - k_y^2} z} \right] \Big|_{\substack{k_x, k_y \\ x, y}}$$

拓展：非线性角谱 Theory

$$(\nabla^2 + k_3^2) E_3(\mathbf{r}) = -\frac{k_3^2}{\varepsilon_3^{(1)}} P_3^{(2)}(\mathbf{r})$$