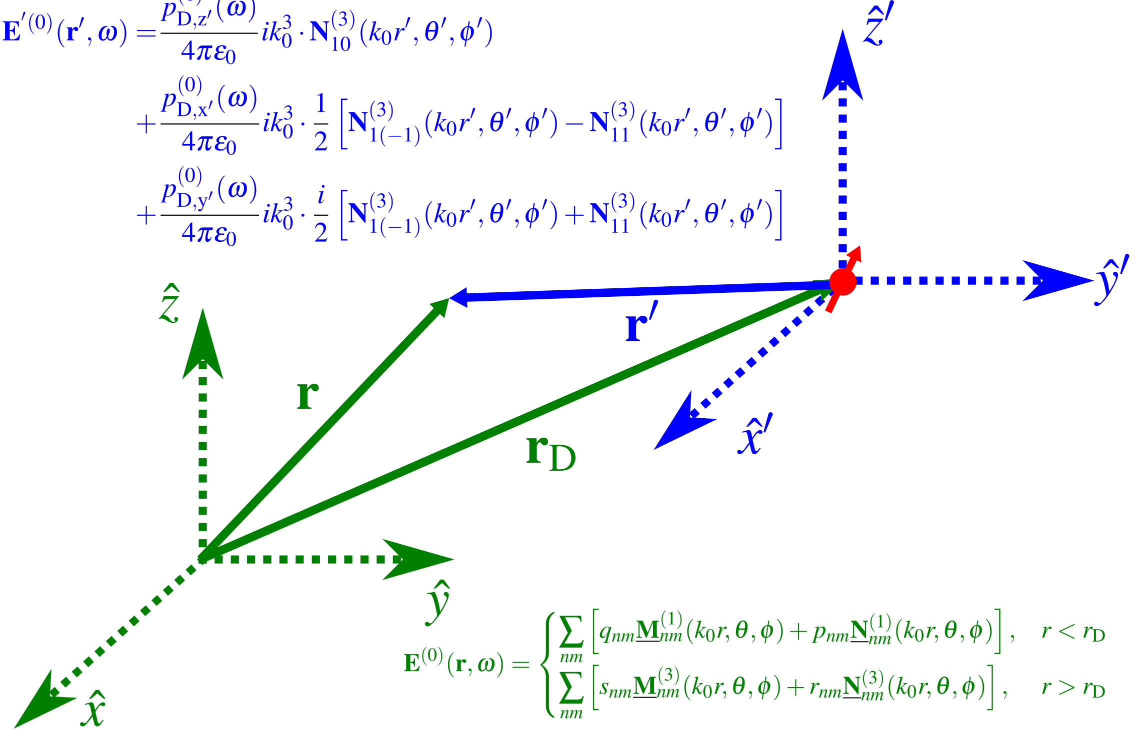
$$
\begin{aligned}
\mathbf{E}'^{(0)}(\mathbf{r}',\omega) = {} & \frac{p^{(0)}_{\mathrm{D},z'}(\omega)}{4\pi\varepsilon_0} ik_0^3 \cdot \mathbf{N}^{(3)}_{10}(k_0 r',\theta',\phi') \\
& + \frac{p^{(0)}_{\mathrm{D},x'}(\omega)}{4\pi\varepsilon_0} ik_0^3 \cdot \frac{1}{2}\left[\mathbf{N}^{(3)}_{1(-1)}(k_0 r',\theta',\phi') - \mathbf{N}^{(3)}_{11}(k_0 r',\theta',\phi')\right] \\
& + \frac{p^{(0)}_{\mathrm{D},y'}(\omega)}{4\pi\varepsilon_0} ik_0^3 \cdot \frac{i}{2}\left[\mathbf{N}^{(3)}_{1(-1)}(k_0 r',\theta',\phi') + \mathbf{N}^{(3)}_{11}(k_0 r',\theta',\phi')\right]
\end{aligned}
$$



$$
\mathbf{E}^{(0)}(\mathbf{r},\omega) = \begin{cases} \sum_{nm}\left[q_{nm}\underline{\mathbf{M}}^{(1)}_{nm}(k_0 r,\theta,\phi) + p_{nm}\underline{\mathbf{N}}^{(1)}_{nm}(k_0 r,\theta,\phi)\right], & r < r_\mathrm{D} \\ \sum_{nm}\left[s_{nm}\underline{\mathbf{M}}^{(3)}_{nm}(k_0 r,\theta,\phi) + r_{nm}\underline{\mathbf{N}}^{(3)}_{nm}(k_0 r,\theta,\phi)\right], & r > r_\mathrm{D} \end{cases}
$$