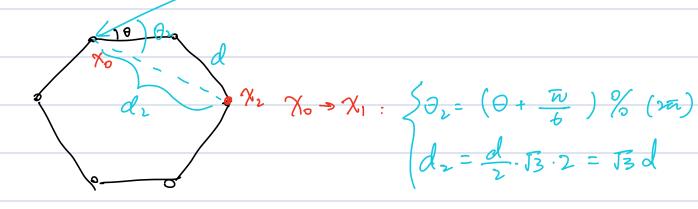
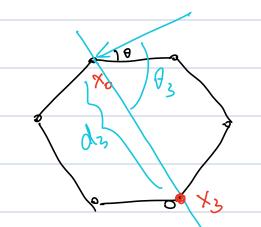


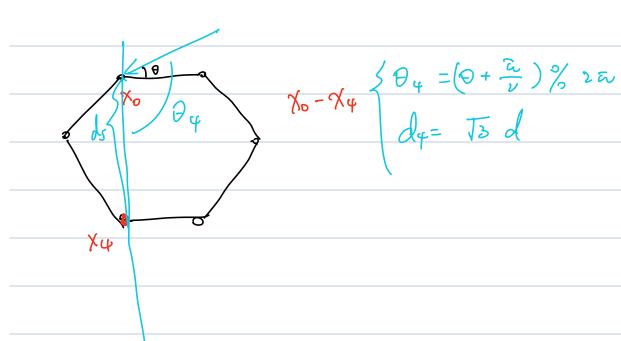
$$\gamma_0 \Rightarrow \gamma_1 : \begin{cases} \theta_1 = \theta \\ \theta_1 = d \end{cases}$$

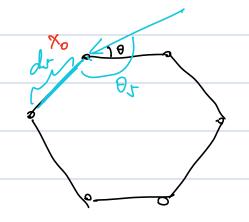




$$\chi_0 \rightarrow \chi_3 \qquad \delta \qquad \theta_3 = \left(\theta + \frac{\pi}{3}\right) \% \left(2\pi\right)$$

$$d_3 = 2d$$





$$\begin{array}{ccc} \chi_0 + \chi_5 & \begin{cases} \theta_5 = \theta + \frac{2}{3} \pi \\ \delta_5 = \delta \end{cases} \\ \end{array}$$

Ovorall, Given O, steer vector for frequency f is.

$$= \frac{\int_{0}^{1} \frac{d_{1} \cos \theta_{1}}{\lambda}}{\int_{0}^{1} \frac{d_{2} \cos \theta_{2}}{\lambda}}$$

$$= \frac{\int_{0}^{1} \frac{d_{2} \cos \theta_{2}}{\lambda}}{\int_{0}^{1} \frac{d_{3} \cos \theta_{3}}{\lambda}}$$

$$= \frac{\int_{0}^{1} \frac{d_{3} \cos \theta_{3}}{\lambda}}{\int_{0}^{1} \frac{d_{4} \cos \theta_{4}}{\lambda}}$$

$$= \int_{0}^{1} \frac{d_{5} \cos \theta_{4}}{\lambda}$$

$$= \int_{0}^{1} \frac{d_{5} \cos \theta_{4}}{\lambda}$$

where  $\lambda = \frac{ck}{L}$