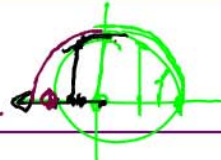


$$Y_1 = A \sin(kx - \omega t)$$

$$Y_2 = A \sin(kx + \omega t)$$

$$Y_{res} = Y_1 + Y_2 = 2A \sin kx \cos \omega t$$



$$\omega t = \frac{\pi}{2} \quad \frac{2\pi}{T} t = \frac{\pi}{2} \quad \frac{2\pi}{T} \frac{T}{4} \quad \frac{2\pi}{T} \frac{T}{4}$$

$$t = 0, Y_{res} = 2A \sin kx \quad t = T/4 \quad \cos \pi = -1$$

