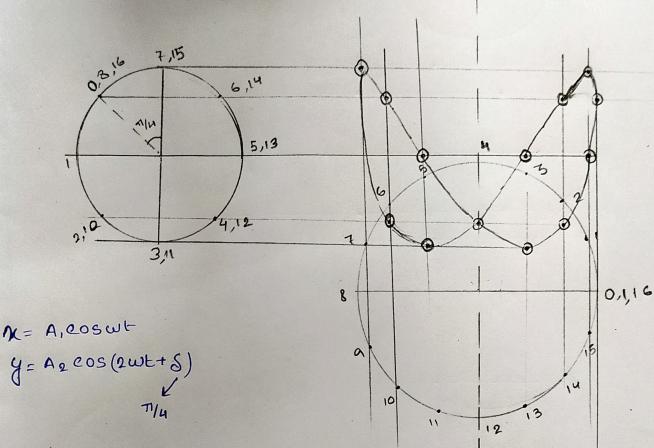
Kissajous Tiguros: cosut= 0/A, ac = A, coswt (1) (= A, cos(2w+5) ... @ Sinwt = frequency : 1:2 Coszwt coss - Sinzwt sin S = (2costwt-1) coss - 2sinwteoswt sins = (2 m2 -1) coss - 25 inwt coswt sin S = $\left(\frac{y_{A_2} + \cos s}{A_1^2} + \frac{4n^2}{A_1^2} \cdot \left(\frac{n^2}{A_1^2} - 1 - \frac{y_{A_2} \cos s}{A_2}\right) = 0 - -4\right)$ it represents closed path having two loops. <11 S = 0 $(\frac{y_{A2}+1}{A_2})^2 + \frac{4m^2}{A_1^2} \left(\frac{m^2}{A_1^2} - 1 - \frac{y_{A2}}{A_2}\right) = 0$ $(Y_{A_2} + 2Y_{A_1}^2 + 1)^2 = 0 - - - (5)$ two coincident parabola wit vertices (0,-A) $m^2 = \frac{A_1^2}{2A_2} \left(y + A_2 \right)$ Application of LF: -> Shape and nature of single wavefront can be determine - Amp of a work -> Ynvastigate vibrations of violin string



$$\sqrt{n} = A, \cos \omega t$$

$$y = A_2 \cos (8\omega t + \delta)$$

1 Comparison of frequencies: