

$$m = \frac{d\times_2}{d\times_1} \qquad 0 + \theta_1 + \theta_2 \frac{d\times_2}{d\times_1} = 0$$

$$m = \frac{d\times_2}{d\times_1} = \tan(90+0) \qquad \frac{d\times_2}{d\times_1} = \frac{-\theta_1}{\theta_2}$$

$$m' = tan(\theta)$$

$$m' = \frac{\partial u}{\partial t} = \frac{\partial u}{\partial t}$$

$$tan \theta = \frac{\partial u}{\partial t}$$

$$\Rightarrow 2q d line 1.$$

$$x_1 = m' \times 1$$

$$\Theta_1 \times 1 = \Theta_2 \times 1 \Rightarrow \Theta_2 \times 1 = 0$$

$$\Theta_1 \times 2 = 0 \times 1 \Rightarrow \Theta_2 \times 1 = 0$$

$$\Theta_1 \times 2 = 0 \times 1 \Rightarrow \Theta_2 \times 1 = 0$$

=> Solving Eq O & D Simultancously 4ill give!

$$C = \left(\frac{-\Theta_0\Theta_0}{\Theta_1^2 + \Theta_2^2}, \frac{-\Theta_0\Theta_2}{\Theta_1^2 + \Theta_2^2} \right)$$

$$d = \sqrt{C_1^2 + C_2^2} = \sqrt{\frac{\theta_0^2 (\theta_1^2 + \theta_2^2)}{(\theta_1^2 + \theta_2^2)^2}} = \sqrt{\frac{\theta_0^2}{(\theta_1^2 + \theta_2^2)}} = \frac{\pm \theta_0}{\sqrt{\theta_1^2 + \theta_2^2}}$$

$$d = \frac{1001}{50102}$$

$$\hat{J}_{1} = \begin{bmatrix}
-\theta_{0} & * \theta_{1} \\
\hline
J_{0}^{2} + \theta_{2}^{2}
\end{bmatrix} = \begin{bmatrix}
\mp \theta_{1} \\
\hline
J_{0}^{2} + \theta_{2}^{2}
\end{bmatrix}$$

$$-\frac{\theta_{0}}{1001} * \theta_{2}$$

$$\sqrt{\theta_{1}^{2} + \theta_{2}^{2}}$$

$$\sqrt{\theta_{1}^{2} + \theta_{2}^{2}}$$

$$A = A' + \alpha l_1$$

$$\Theta^{T}A = O + \left(Ol * I \int Ol + Ol \right)$$

$$\Rightarrow as A' lies of the line l$$

$$\Theta^{T}A = \mp \alpha \sqrt{\theta_1^2 + \theta_2^2}$$