$$\frac{P_{0}}{P_{0}} \begin{cases} P_{0} \end{cases} \qquad \Theta_{1} = O_{0} \left(\frac{P_{0}}{r} \right) \\ P_{0} \end{cases} \qquad \Theta_{1} = O_{0} \left(\frac{P_{0}}{r} \right)$$

$$\frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \qquad \Theta_{2} = O_{0} \left(\frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \right)$$

$$\frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \qquad \Theta_{3} = O_{0} \left(\frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \right)$$

$$\frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \qquad \Theta_{3} = O_{0} \left(\frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \right)$$

$$\frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \qquad \Theta_{3} = O_{0} \left(\frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \right)$$

$$\frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \qquad \frac{P_{0}}{P_{0}^{2} + P_{0}^{2}} \qquad \frac{P_{0}}{P_$$

نىزال ادل

$$Z = \alpha_{1}^{2} + \alpha_{2}^{2} - 2\alpha_{1}\alpha_{3} \cos(\overline{\Pi} - \theta_{3})$$

$$K^{2} = \rho_{2}^{2} + \rho_{3}^{2} + \rho_{3}^{2}$$

$$Z = \alpha_{1}^{2} + \alpha_{2}^{2} - 2\alpha_{1}\alpha_{3} \cos(\overline{\Pi} - \theta_{3})$$

$$\left. \begin{array}{c} \rho_{x}^{2} \\ \rho_{3} \cdot G_{5}^{-1} \left(\frac{\rho_{x}^{2} + \rho_{y}^{2} - a_{x}^{2} - a_{x}^{2}}{2 a_{x} a_{x}} \right) \end{array} \right|$$

$$\frac{\theta_{1} = tau^{-1}(\frac{p_{x}}{p_{y}}) - \theta_{4} }{\theta_{2} \cdot \theta_{2} \cdot \theta_{1} \cdot \theta_{2}} = tau^{-1}(\frac{p_{x}}{p_{y}}) - tau^{-1}(\frac{a_{1} \sin \theta_{3}}{a_{12} + a_{2} \cos \theta_{3}})$$

$$T_1 = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 0 & 1 \\ 0 & -1 & 0 \end{bmatrix}$$

$$\begin{bmatrix} \dot{q} \\ \dot{g} \\ \dot{\theta} \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 \end{bmatrix} = \begin{bmatrix} \cos \theta & 0 \\ \sin \theta & 0 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Tan
$$\theta_i$$
, $\frac{L}{R-\frac{1}{2}}$

$$2R = \frac{L}{\tan \theta_i} + \frac{L}{\tan \theta_i} \Rightarrow \frac{R}{L} \cdot \frac{1}{2} \left(\frac{1}{\tan \theta_i} + \frac{-1}{\tan \theta_o} \right)$$

$$R = \frac{1}{2}$$

$$\tan \theta = \frac{L}{R} = \frac{2}{1 + \frac{1}{2}}$$

$$\tan \theta_i = \frac{L}{\tan \theta_i} = \frac{1}{\tan \theta_i}$$

سلاچام

موال ينج