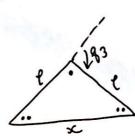


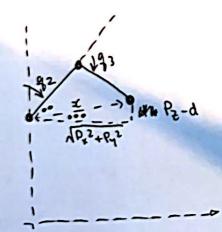
$$q_1 = \tan^{-1}\left(\frac{P_Y}{P_X}\right)$$



$$\# \pi - q_3 = -\cos\left(\frac{x^2 - 2t^2}{2t^2}\right)$$

$$\frac{193}{283} = \pi + \omega S \left(\frac{x^2 - 2t^2}{2t^2} \right)$$

$$\frac{7}{23} = \pi - \omega S \left(\frac{2t^2 - x^2}{2t^2} \right)$$



$$\chi^{2} = P_{x}^{2} + P_{y}^{2} + (P_{z} - d)^{2}$$

$$\chi = \sqrt{P_{x}^{2} + P_{y}^{2} + (P_{z} - d)^{2}}$$

$$\therefore q_{3} = \pi - \omega s \left(\frac{2e^{2} - P_{x}^{2} - P_{y}^{2} - (P_{z} - d)^{2}}{2e^{2}}\right)$$

$$q_2 = \frac{\pi}{2} - \frac{1}{\alpha_1} \frac{1}{\alpha_2}$$

$$q_1 = -\cos^{-1}\left(\frac{\ell^2 - \ell^2 - \chi^2}{2\ell\chi}\right) = \omega^{\frac{1}{2}\left(\frac{\chi^2}{2\ell\chi}\right)}$$

$$q_2 = \tan^{-1}\left(\frac{P_2 - d}{\sqrt{P_{\chi^2} - P_{\eta}^2}}\right)$$

$$=\omega \left(\frac{x^2}{2\ell x}\right)$$