



$$\alpha \equiv 2\theta$$

$$\tan \alpha = \frac{\sqrt{x^2 + y^2}}{L_2}$$

$$\tan \beta = \frac{y}{x}$$

$$Q = \frac{4\pi}{1} \sin \frac{\alpha}{2}$$

$$Q_x = Q \cos \beta$$

$$Q_y = Q \sin \beta$$