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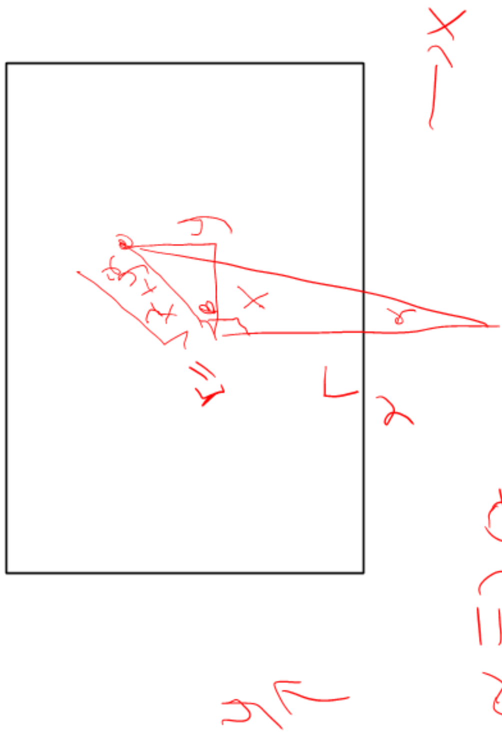

$$\alpha = 2\theta$$

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

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

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

$$Q_x = Q\cos\beta$$

$$Q_y = Q\sin\beta$$