

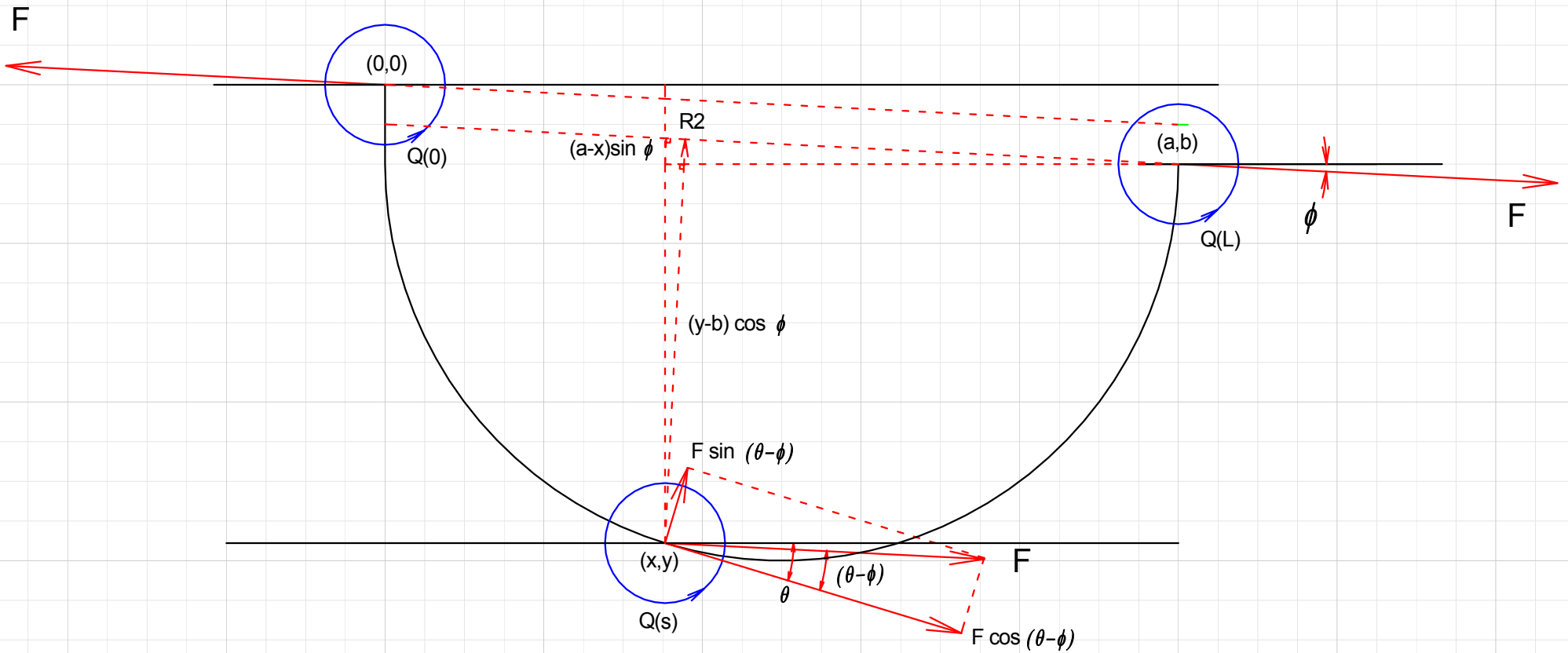
$$r = EI / Q$$

$$x_1 = x_0 + r (\cos \theta_2 - \cos \theta_1)$$

$$y_1 = y_0 + r (\sin \theta_1 - \sin \theta_2)$$

$$\delta s = L / 600$$

$$\delta \theta = \theta_2 - \theta_1 = -\delta s / r \text{ (radians)}$$



$$Q(s) = Q(L) - F \cdot R2$$

$$R2 = (y-b) \cos \phi + (a-x) \sin \phi$$