

Chord of Contact.

If PQ and PR be the tangents through point $P(x_1, y_1)$ to the ellipse

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1, \text{ then the equation of the chord of contact QR is } \frac{xx_1}{a^2} + \frac{yy_1}{b^2} = 1$$

or $T = 0$ at (x_1, y_1)

