$$\frac{2}{2} - \frac{1}{2} = \frac{\alpha \left(\left(x - x_{o} \right)^{2} + \left(y - y_{o} \right)^{2} \right)}{\alpha \left(x^{2} + y^{2} \right) + \alpha x_{o}^{2} + \alpha y_{o}^{2} + \delta_{o}} - \frac{2\alpha \left[x_{o} x + y_{o} y \right]}{2}$$

$$d = \alpha x_0$$

$$\beta = ay_0$$

$$Z = a(x^2 + y^2) - 2 \alpha \times - 2\beta y + f$$

$$X_o = \frac{d}{a}$$