

with(*plots*) :

$$eqn := 2 \cdot (x^2 + y^2)^2 = 81 \cdot (x^2 - y^2)$$

$$eqn := 2 (x^2 + y^2)^2 = 81 x^2 - 81 y^2$$

(1)

implicitplot $\left(\left[eqn, x^2 + y^2 = \frac{81}{4} \right], x = -10 .. 10, y = -4 .. 4, scaling = constrained \right)$

