

$$x = (R-r) \cos \frac{rt}{R} + c \cos \frac{(R-r)t}{R}, y = (R-r) \sin \frac{rt}{R} - c \sin \frac{(R-r)t}{R}, t \in R.$$

$$x = (R-r) \cos \varphi + c \cos \frac{(R-r)\varphi}{r}, y = (R-r) \sin \varphi - c \sin \frac{(R-r)\varphi}{r}, \varphi \in R.$$

$$x = 2r \cos \frac{t}{3} + r \cos \frac{2t}{3}, y = 2r \sin \frac{t}{3} - r \sin \frac{2t}{3}$$

$t \in (0; 6\pi)$

$$x = 2r \cos \varphi + r \cos 2\varphi, y = 2r \sin \varphi - r \sin 2\varphi$$

$\varphi \in (0; 2\pi)$

$$R = 3r, c = r$$