

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

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

$$x = 4r \cos \frac{t}{5} + 3r \cos \frac{4t}{5}, y = 4r \sin \frac{t}{5} - 3r \sin \frac{4t}{5}$$

$t \in \langle 0; 10\pi \rangle$

$$x = 4r \cos \varphi + 3r \cos 4\varphi, y = 4r \sin \varphi - 3r \sin 4\varphi$$

$\varphi \in \langle 0; 2\pi \rangle$

$$R = 5r, c = 3r$$