

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

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

$$x = 6r \cos \frac{t}{5} - \frac{r}{4} \cos \frac{6t}{5}, y = 6r \sin \frac{t}{5} - \frac{r}{4} \sin \frac{6t}{5}$$

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

$$x = 6r \cos \varphi - \frac{r}{4} \cos 6\varphi, y = 6r \sin \varphi - \frac{r}{4} \sin 6\varphi$$

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

$$R = 5r, c = \frac{r}{4}$$