

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

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

$$x = 8r \cos \frac{t}{7} - \frac{3r}{4} \cos \frac{8t}{7}, y = 8r \sin \frac{t}{7} - \frac{3r}{4} \sin \frac{8t}{7}$$

$$t \in \langle 0; 14\pi \rangle$$

$$x = 8r \cos \varphi - \frac{3r}{4} \cos 8\varphi, y = 8r \sin \varphi - \frac{3r}{4} \sin 8\varphi$$

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

$$R = 7r, c = \frac{3r}{4}$$