

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

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

$$x = \frac{7r}{3} \cos \frac{3t}{4} - 2r \cos \frac{7t}{4}, y = \frac{7r}{3} \sin \frac{3t}{4} - 2r \sin \frac{7t}{4}$$

$$t \in (0; 8\pi)$$

$$x = \frac{7r}{3} \cos \varphi - 2r \cos \frac{7\varphi}{3}, y = \frac{7r}{3} \sin \varphi - 2r \sin \frac{7\varphi}{3}$$

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

$$R = \frac{4r}{3}, c = 2r$$