

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

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

$$x = (1+e)r \cos \frac{t}{e} - 3r \cos \frac{(1+e)t}{e}$$

$$y = (1+e)r \sin \frac{t}{e} - 3r \sin \frac{(1+e)t}{e}$$

$$t \in \langle 0; 16.8533\pi \rangle$$

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

$$x = (1+e)r \cos \varphi - 3r \cos (1+e)\varphi$$

$$y = (1+e)r \sin \varphi - 3r \sin (1+e)\varphi$$

$$\varphi \in \langle 0; 6.2\pi \rangle$$