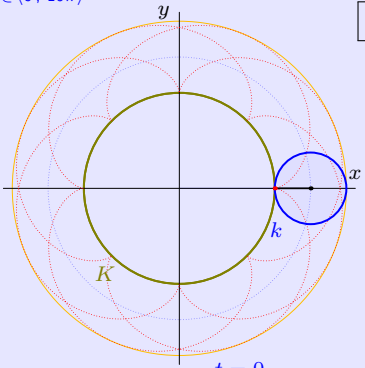
$x=(R+r)\cos\frac{rt}{R}-c\cos\frac{(R+r)t}{R},\ y=(R+r)\sin\frac{rt}{R}-c\sin\frac{(R+r)t}{R},\ t\in R.$

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

$x=\frac{11r}{3}\cos\frac{3t}{8}-r\cos\frac{11t}{8},\ y=\frac{11r}{3}\sin\frac{3t}{8}-r\sin\frac{11t}{8}$

$t\in\langle 0\,;\,16\pi\rangle$

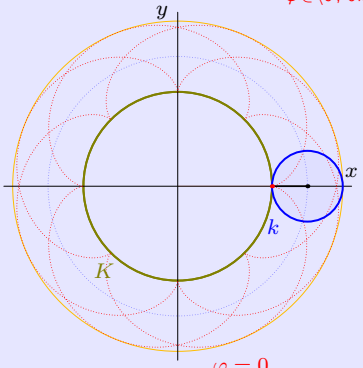
$R=\frac{8r}{3},\ c=r$



$t=0$

$x=\frac{11r}{3}\cos\varphi-r\cos\frac{11\varphi}{3},\ y=\frac{11r}{3}\sin\varphi-r\sin\frac{11\varphi}{3}$

$\varphi\in\langle 0\,;\,6\pi\rangle$



$\varphi=0$