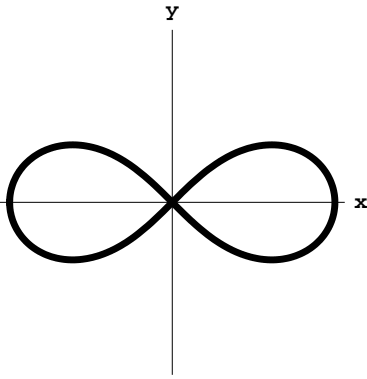


Bernoulliho lemniskáta

$$(x^2 + y^2)^2 = 2a^2(x^2 - y^2)$$

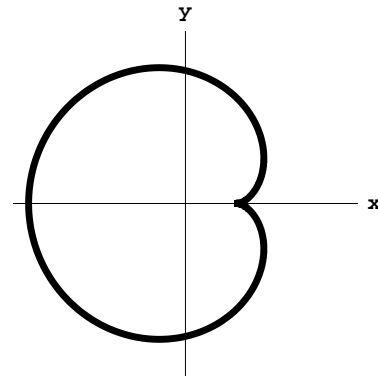
$$\begin{cases} x = a\sqrt{2 \cos 2t} \cos t, \\ y = a\sqrt{2 \cos 2t} \sin t, \end{cases}$$

$$t \in \langle -\frac{\pi}{4}, \frac{\pi}{4} \rangle \cup \langle \frac{3\pi}{4}, \frac{5\pi}{4} \rangle$$

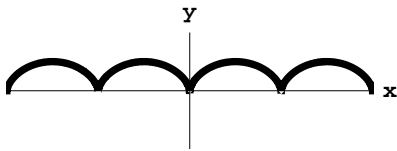
**kardioida**

$$(y^2 + x^2 - a^2)^2 = 4a^2(y^2 + (x - a)^2)$$

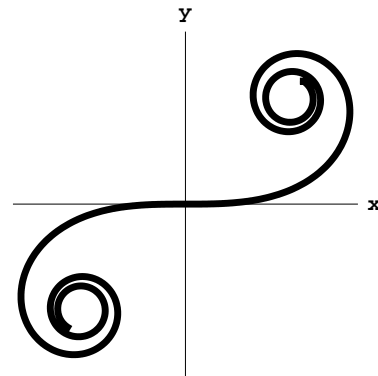
$$\begin{cases} x = a(2 \cos t - \cos 2t), \\ y = a(2 \sin t - \sin 2t), \end{cases} \quad t \in \langle 0, 2\pi \rangle$$

**cykloida**

$$\begin{cases} x = a(t - \sin t), \\ y = a(1 - \cos t), \end{cases} \quad t \in \mathbb{R}$$

**klotoida**

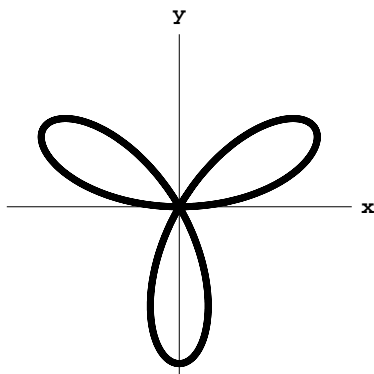
$$\begin{cases} x = \int_0^t \cos \frac{as^2}{2} ds, \\ y = \int_0^t \sin \frac{as^2}{2} ds, \end{cases} \quad t \in \mathbb{R}$$

**třílístá růže**

$$r = a \sin 3\varphi$$

$$\begin{cases} x = a(4 \cos^2 t - 1) \sin t \cos t, \\ y = a(4 \cos^2 t - 1) \sin^2 t, \end{cases}$$

$$t \in \langle 0, 2\pi \rangle$$

**čtyřlístek**

$$r = a |\sin 2\varphi|$$

$$\begin{cases} x = a \cos t |\sin 2t|, \\ y = a \sin t |\sin 2t|, \end{cases} \quad t \in \langle 0, 2\pi \rangle$$

