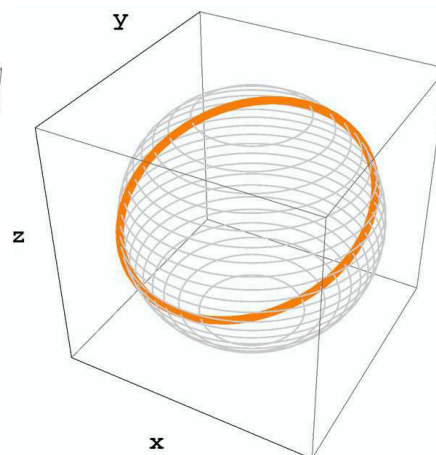
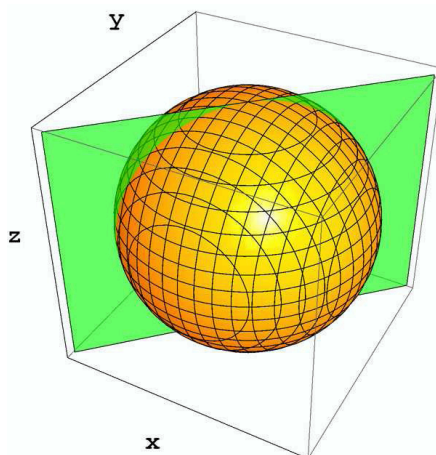


kružnice

$$\begin{cases} x^2 + y^2 + z^2 = r^2, \\ y = x. \end{cases}$$

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

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

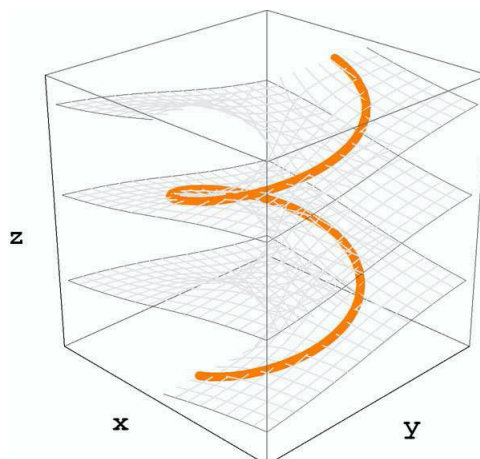
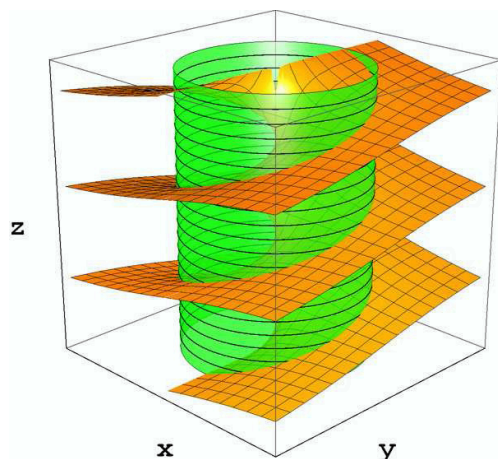


šroubovice

$$\begin{cases} x^2 + y^2 = a^2, \\ z = b \operatorname{arctg} \frac{y}{x}. \end{cases}$$

$$\begin{cases} x = a \cos t, \\ y = a \sin t, \\ z = bt, \end{cases}$$

$$t \in \mathbb{R}.$$



Vivianiho křivka

$$\begin{cases} x^2 + y^2 + z^2 = r^2, \\ x^2 + y^2 = rx. \end{cases}$$

$$\begin{cases} x = r \cos^2 \frac{t}{2}, \\ y = r \sin \frac{t}{2} \cos \frac{t}{2}, \\ z = r \sin \frac{t}{2}, \end{cases}$$

$$t \in \langle -2\pi, 2\pi \rangle.$$

