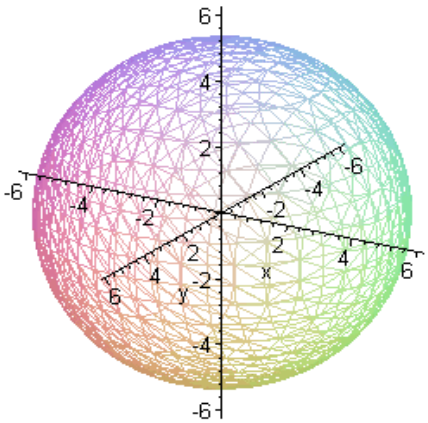
Ukázka některých ploch

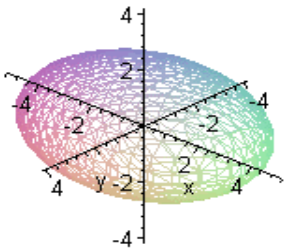
Kulová plocha:

$$x^2+y^2+z^2-r^2=0$$



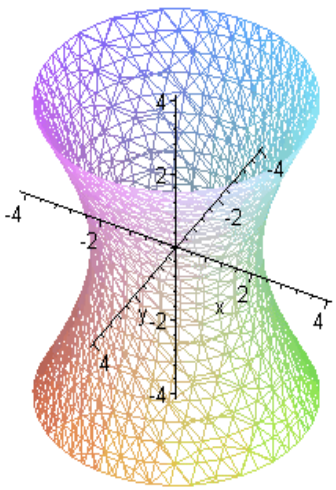
Trojosý elipsoid:

$$\frac{x^2}{a^2}+\frac{y^2}{b^2}+\frac{z^2}{c^2}-1=0$$



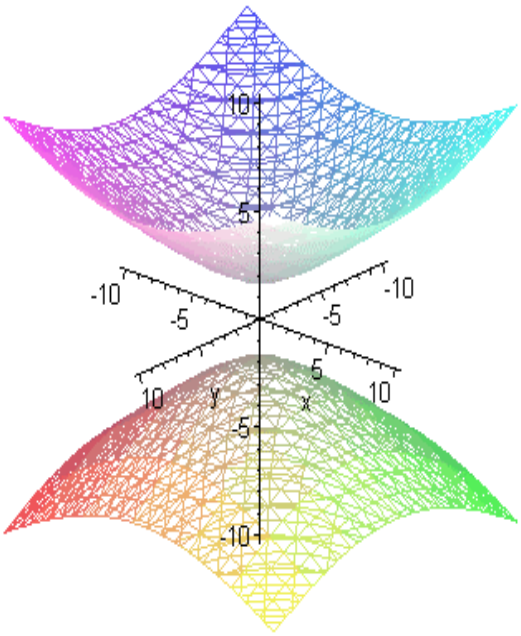
Jednodílný hyperboloid:

$$\frac{x^2}{a^2}+\frac{y^2}{b^2}-\frac{z^2}{c^2}-1=0$$



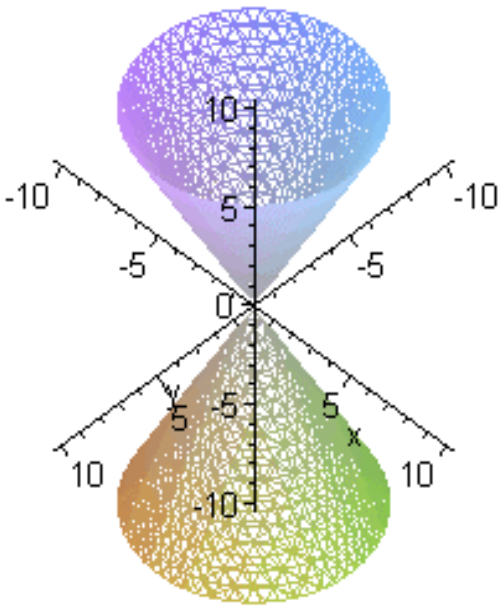
Dvojdílný hyperboloid:

$$\frac{x^2}{a^2}+\frac{y^2}{b^2}-\frac{z^2}{c^2}+1=0$$



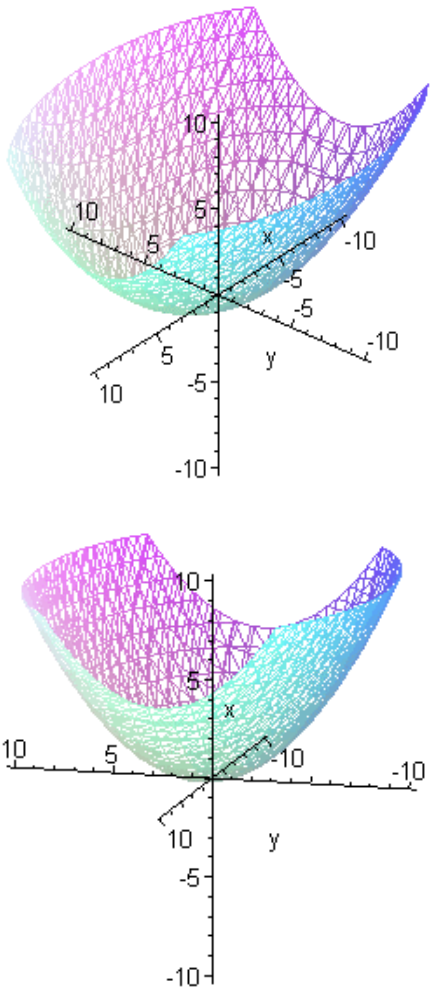
Kužel:

$$\frac{x^2}{a^2}+\frac{y^2}{b^2}-\frac{z^2}{c^2}=0$$



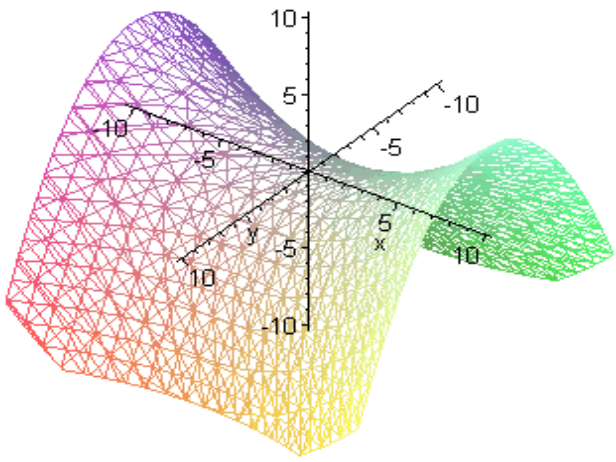
Eliptický paraboloid:

$$\frac{x^2}{p^2}+\frac{y^2}{q^2}-2z=0$$



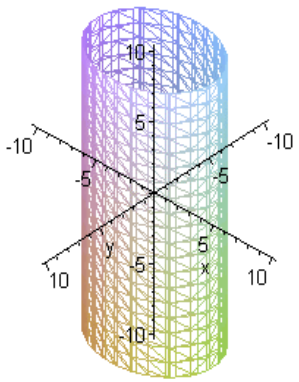
Hyperbolický paraboloid:

$$\frac{x^2}{p^2}-\frac{y^2}{q^2}+2z=0$$



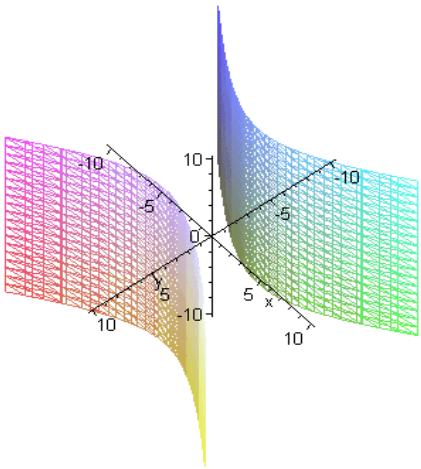
Eliptická válcová plocha:

$$\frac{x^2}{a^2}+\frac{y^2}{b^2}-1=0$$



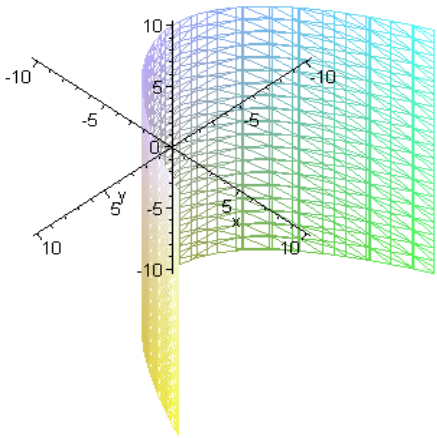
Hyperbolická válcová plocha:

$$\frac{x^2}{a^2}-\frac{y^2}{b^2}-1=0$$



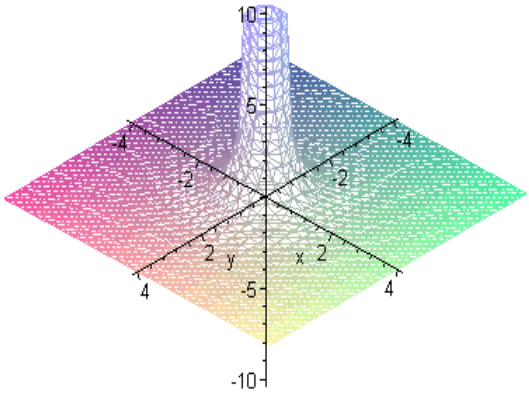
Parabolická válcová plocha:

$$\frac{x^2}{a^2}-y=0$$



Plocha 10

$$\frac{1}{x^2+y^2}-z=0$$



Pátek, 13.2.2004