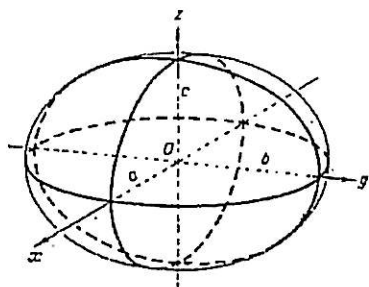


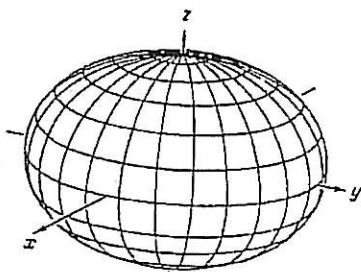
Plochy druhého stupňa (kanonický tvar rovníc)



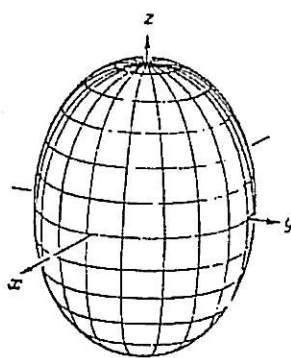
Obr. 212

Elipsoid (obr. 212)

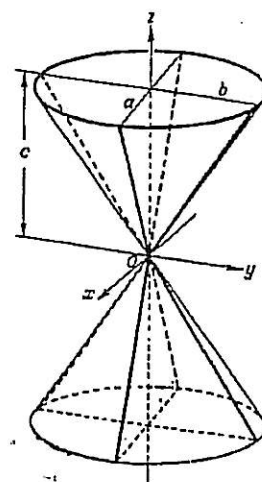
$$\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} = 1$$



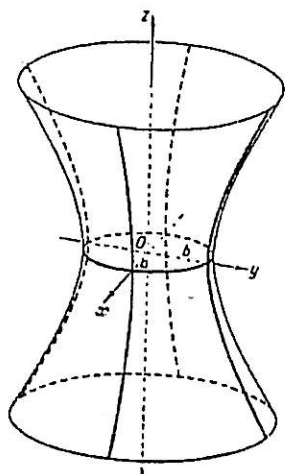
Obr. 213



Obr. 214

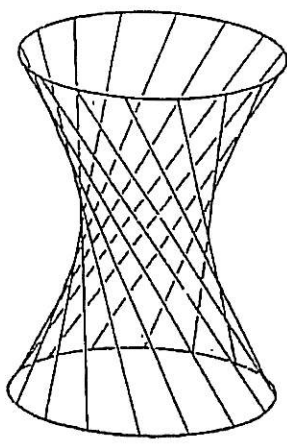


$$\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = 0$$



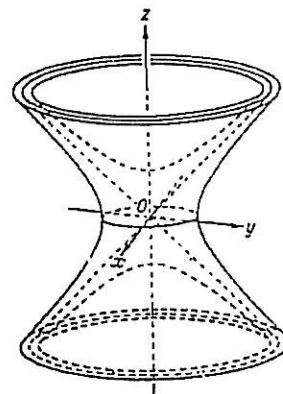
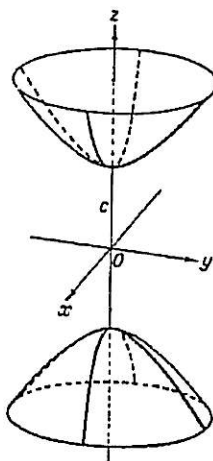
Jednolistný hyperboloid (obr. 215)

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

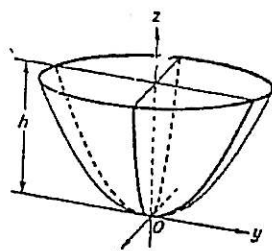


Dvojlistný hyperboloid (obr. 216)

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

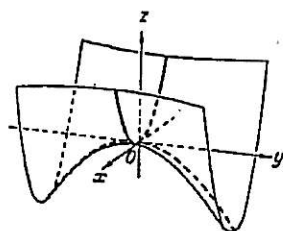


$$\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = \pm 1$$

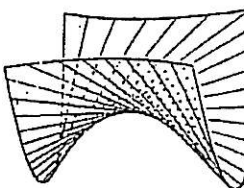


Eliptický paraboloid (obr. 219)

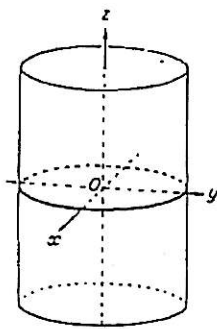
$$z = \frac{x^2}{a^2} + \frac{y^2}{b^2}$$



Hyperbolický paraboloid (obr. 220)

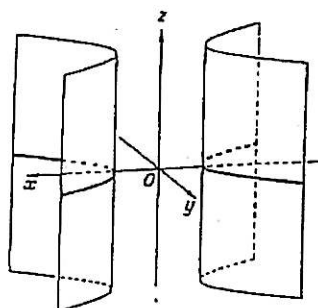


$$z = \frac{x^2}{a^2} - \frac{y^2}{b^2}$$



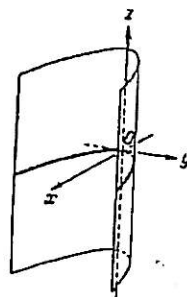
Valce: eliptický (obr. 223)

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



hyperbolický (obr. 224)

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



parabolický (obr. 225)

$$y^2 = 2px$$