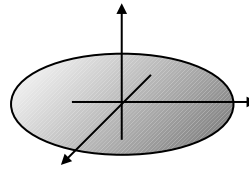


Cuádricas con centro

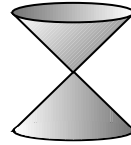
Elipsoide

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



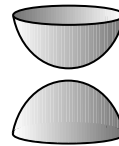
Cono elíptico
(su eje coincide con el eje z)

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



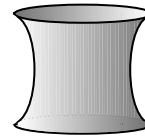
Hiperboloide de 2 hojas
o no reglado

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



Hiperboloide de 1 hoja
o reglado

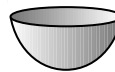
$$\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = 1$$



Cuádricas sin centro

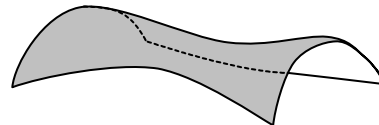
Paraboloide elíptico
o no reglado

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



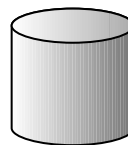
Paraboloide hiperbólico
o reglado

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



Cilindro elíptico
(su eje coincide con el eje z)

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



Cilindro hiperbólico
(su eje coincide con el eje z)

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

