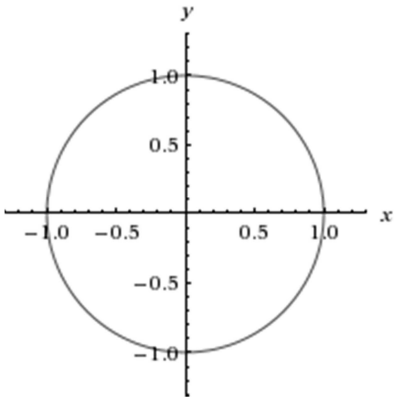
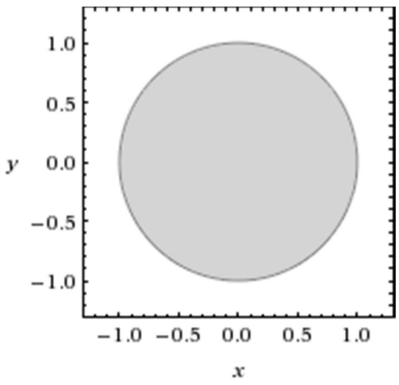
2-D.

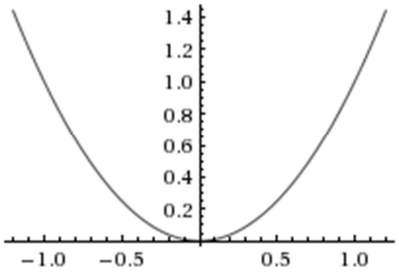
Circunferencia: $(x-x_0)^2+(y-y_0)^2=k$



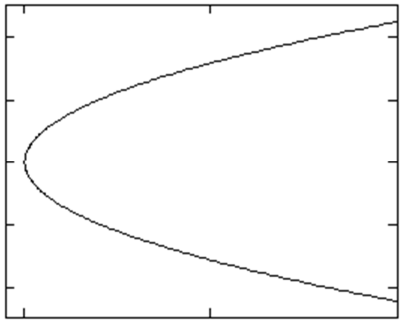
Circulo: $(x-x_0)^2+(y-y_0)^2\leq k$



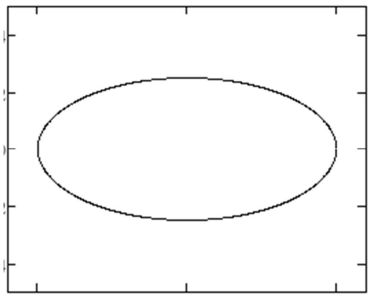
Parábola: $y-y_0=(x-x_0)^2$



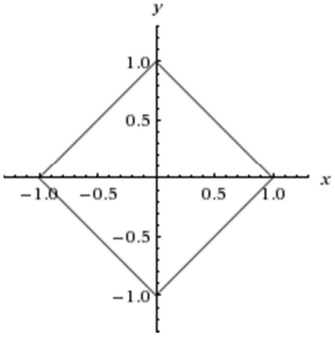
$x-x_0=(y-y_0)^2$



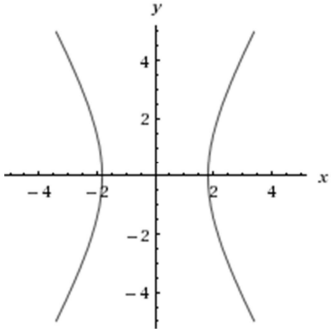
Elipse: $a(x-x_0)^2+b(y-y_0)^2=k\ \ ,\ a\neq b\ \ a,b>0$



Rombo: $|x-x_0|+|y-y_0|=k$



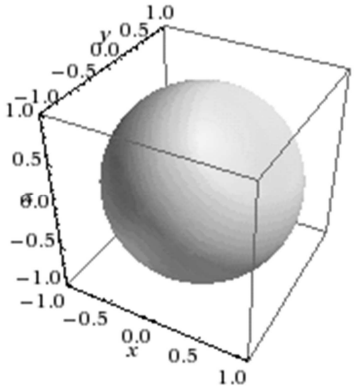
Hipérbola: $a(x-x_0)^2-b(y-y_0)^2=k$



3-D.

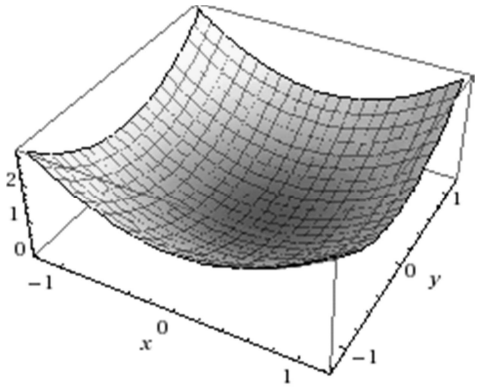
Esfera, hueca: $(x-x_0)^2+(y-y_0)^2+(z-z_0)^2=a$

Esfera, maciza: $(x-x_0)^2+(y-y_0)^2+(z-z_0)^2\leq a$



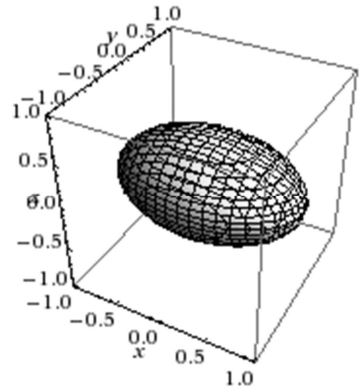
Paraboloide. (De sección CIRCULAR)

$z=x^2+y^2$; $x=z^2+y^2$; $y=x^2+z^2$



Elipsoide.

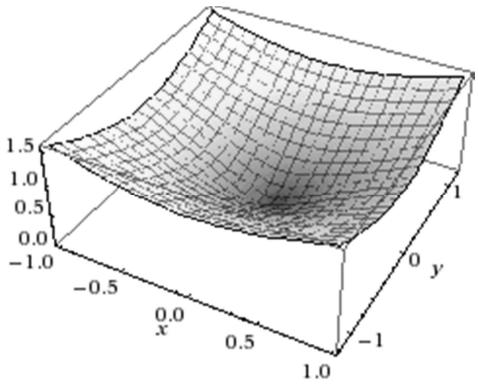
$a(x-x_0)^2+b(y-y_0)^2+c(z-z_0)^2=k$



Cono.

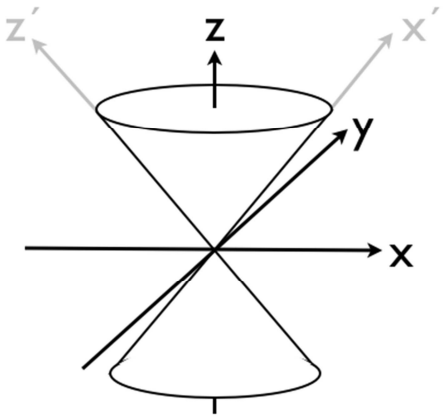
<u>Básico:</u>

$z-z_0=\sqrt{(x-x_0)^2+(y-y_0)^2}$; $y-y_0=\sqrt{(x-x_0)^2+(z-z_0)^2}$; $x-x_0=\sqrt{(y-y_0)^2+(z-z_0)^2}$



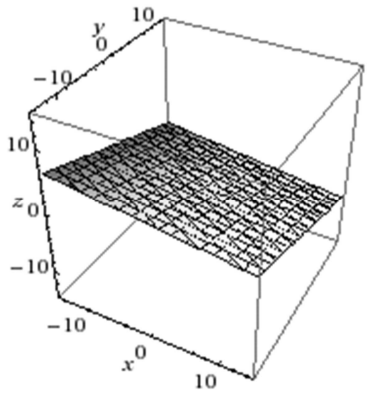
<u>Ambos lado:</u>

$$(z - z_0)^2 = (x - x_0)^2 + (y - y_0)^2$$



Plano.

$Ax + By + Cz + D = 0$



Cilindro

$$(x - x_0)^2 + (y - y_0)^2 = a \;\; ; \;\; (x - x_0)^2 + (z - z_0)^2 = a \;\; ; \;\; (y - y_0)^2 + (z - z_0)^2 = a$$