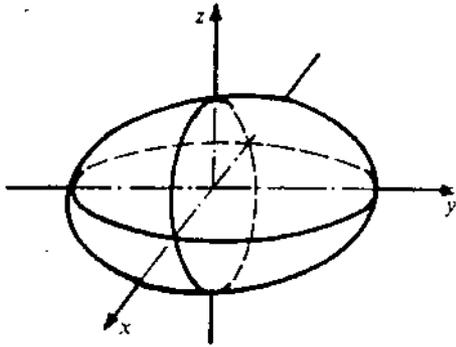
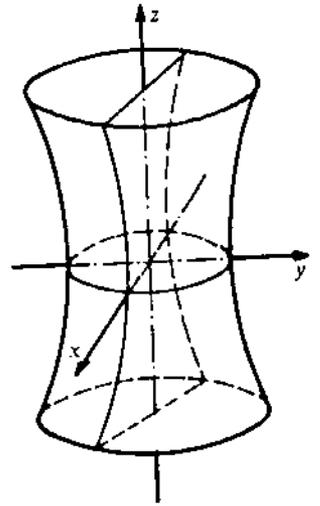


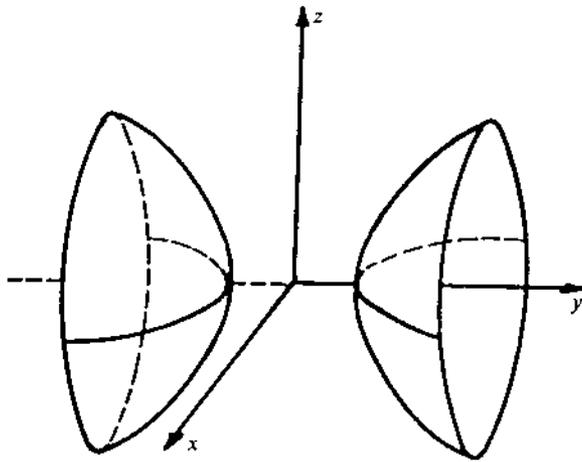
CUADRICAS CON CENTRO
NO CILINDRICAS



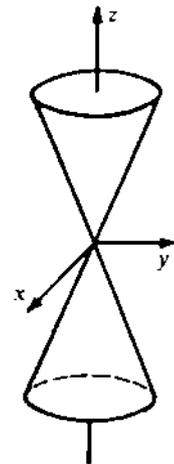
ELIPSOIDE



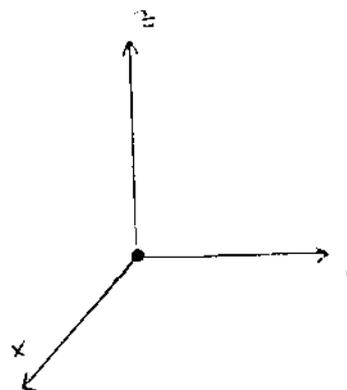
HIPERBOLOIDE REGLADO
O DE UNA HOJA



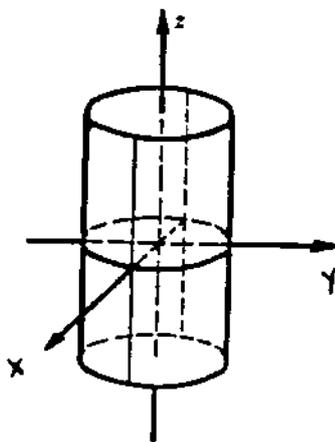
HIPERBOLOIDE DE DOS HOJAS



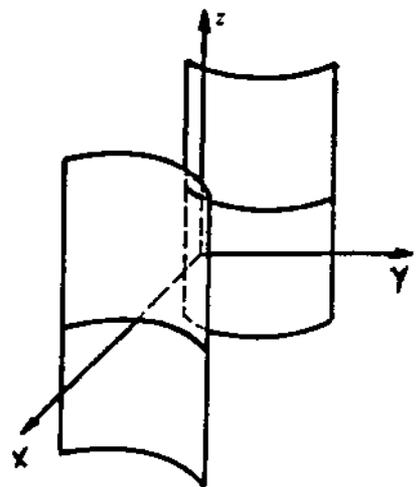
CONO ELIPTICO



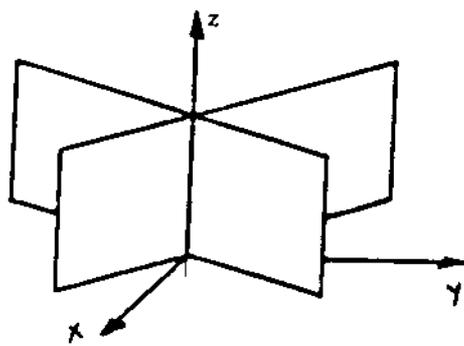
PUNTO (Degenerada)



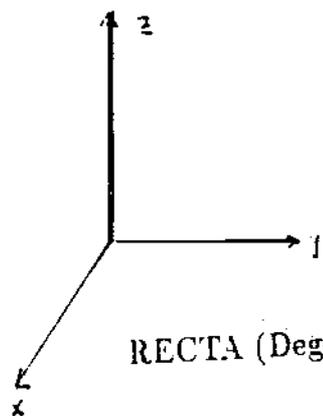
CILINDRO ELIPTICO



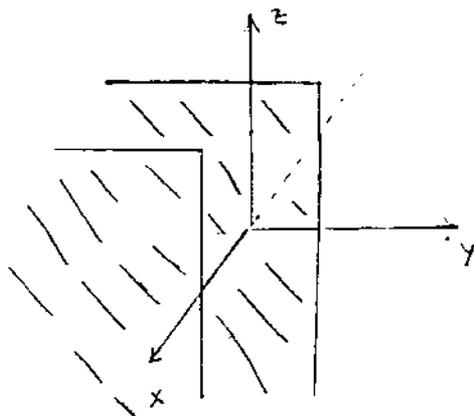
CILINDRO HIPERBÓLICO



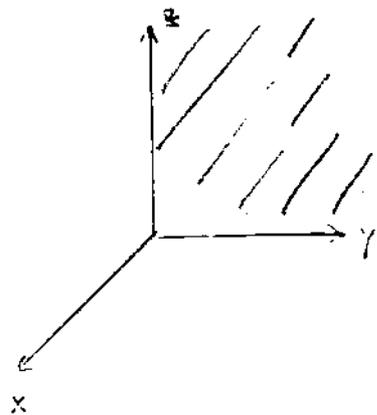
DOS PLANOS QUE SE CORTAN (Degenerada)



RECTA (Degenerada)

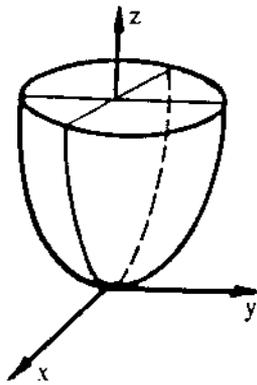


DOS PLANOS PARALELOS (Degenerada)

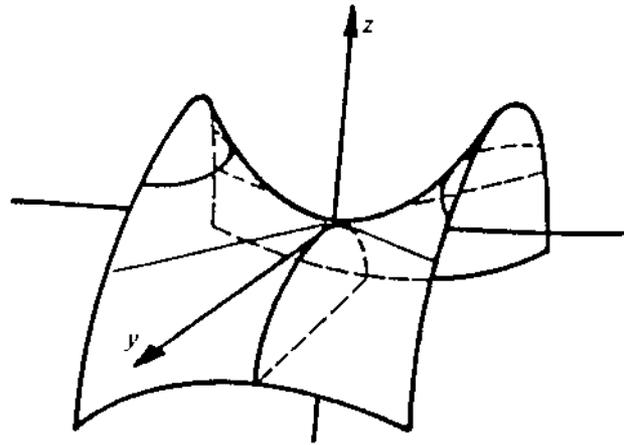


PLANO (Degenerada)

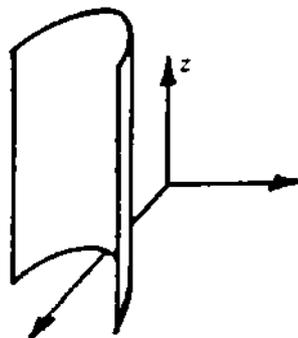
CUADRICAS SIN CENTRO



PARABOLOIDE ELIPTICO



PARABOLOIDE HIPERBÓLICO



CILINDRO PARABÓLICO

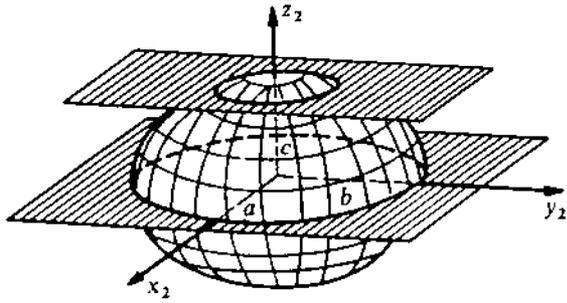


Figura 1. Elipsoide

$$\frac{X^2}{a^2} + \frac{Y^2}{b^2} + \frac{Z^2}{c^2} = 1$$

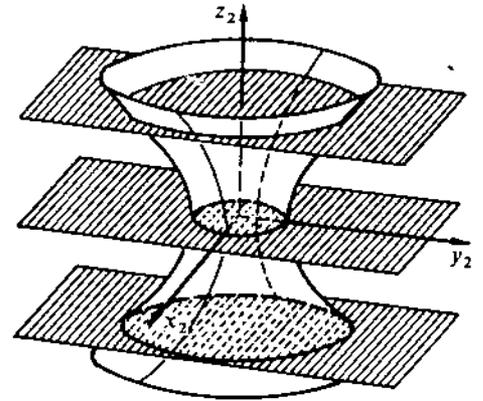


Figura 2. Hiperboloide de una hoja

$$\frac{X^2}{a^2} + \frac{Y^2}{b^2} - \frac{Z^2}{c^2} = 1$$

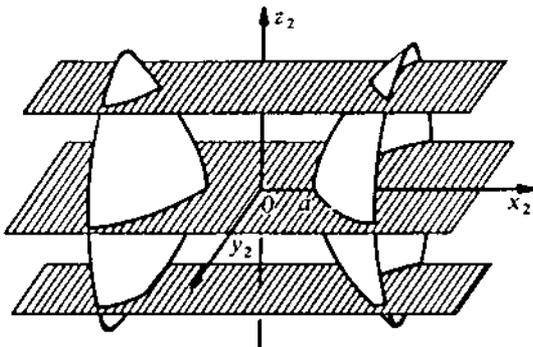


Figura 3. Hiperboloide de dos hojas.

$$\frac{X^2}{a^2} - \frac{Y^2}{b^2} - \frac{Z^2}{c^2} = 1$$

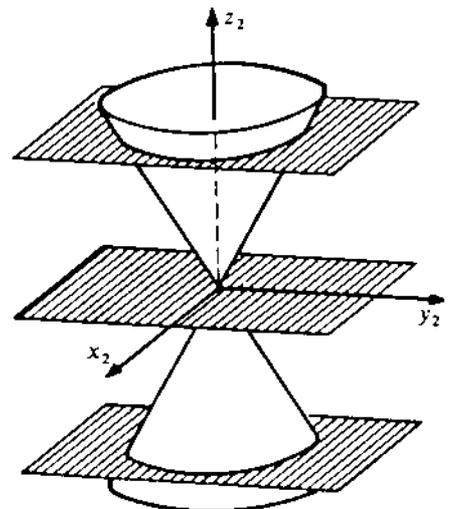


Figura 4. Cono elíptico.

$$\frac{X^2}{a^2} + \frac{Y^2}{b^2} - \frac{Z^2}{c^2} = 0$$

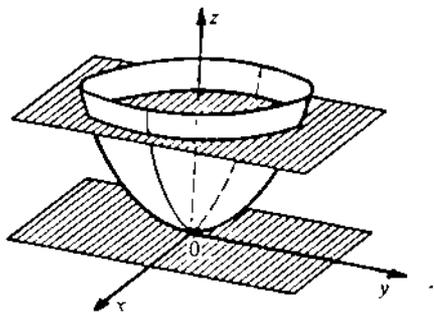


Figura 5. Paraboloides elíptico.

$$\frac{X^2}{a^2} - \frac{Y^2}{b^2} - qZ = 0$$

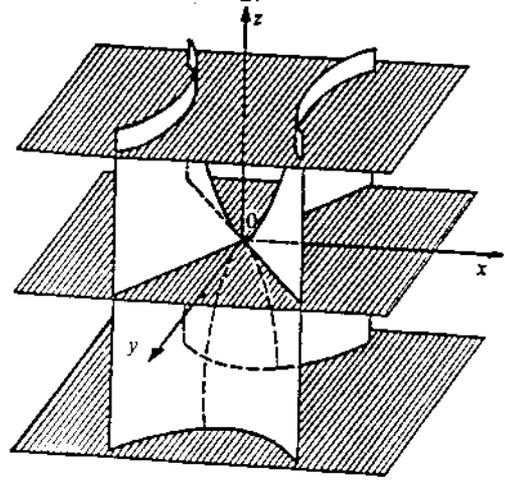
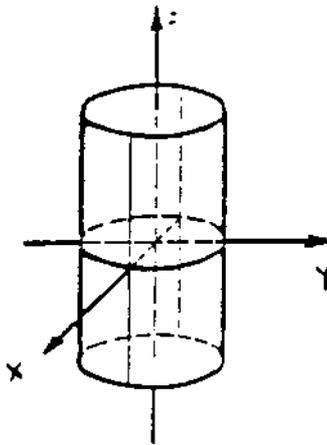


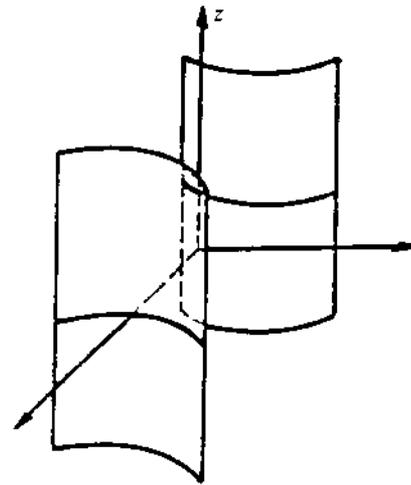
Figura 6. Paraboloides hiperbólico.

$$\frac{X^2}{a^2} - \frac{Y^2}{b^2} + qZ = 0$$



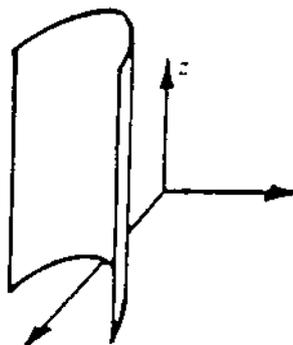
CILINDRO ELÍPTICO

$$\frac{X^2}{a^2} - \frac{Y^2}{b^2} - q^2 = 0$$



CILINDRO HIPERBÓLICO

$$\frac{X^2}{a^2} - \frac{Y^2}{b^2} + q = 0$$



CILINDRO PARABOLICO

$$X^2 - qY = 0$$

$$\frac{X^2}{a^2} + \frac{Y^2}{b^2} + \frac{Z^2}{c^2} = 0$$

PUNTO

$$\frac{X^2}{a^2} - \frac{Y^2}{b^2} = 0$$

RECTA

$$\frac{X^2}{a^2} - \frac{Y^2}{b^2} = 0$$

PAR DE PLANOS QUE SE CORTAN

$$X^2 - q^2 = 0$$

PAR DE PLANOS PARALELOS

$$X^2 = 0$$

PLANO