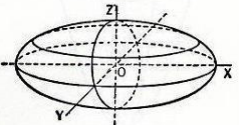
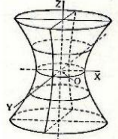
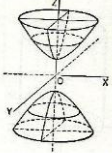
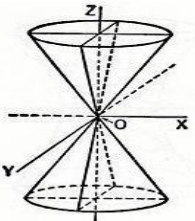
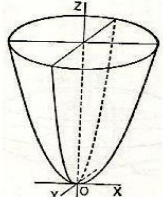
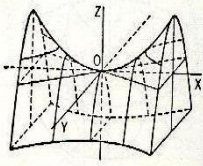


| Elipsoide | Hiperboloide de una hoja | Hiperboloide de dos hojas |
|--|--|---|
| Todos los coeficientes positivos | Un coeficiente negativo | Dos coeficientes negativos |
| $\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} = 1$ | $\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = 1$ | $\frac{x^2}{a^2} - \frac{y^2}{b^2} - \frac{z^2}{c^2} = 1$ |
|  <p data-bbox="316 477 396 495">Elipsoide</p> $\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} = 1$ |  <p data-bbox="653 471 826 489">Hiperboloide de Una Hoja</p> $\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = 1$ |  <p data-bbox="981 481 1141 499">Hiperboloide de Dos Hojas</p> $\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = -1$ |
| Cono elíptico | Paraboloide elíptico | Paraboloide hiperbólico |
| No tiene termino lineal | Un término lineal, dos términos cuadráticos de mismo signo | Termino lineal, 2 términos cuadráticos de signos opuestos |
| $\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = 0$ | $z - \frac{x^2}{a^2} - \frac{y^2}{b^2} = 0$ | $z + \frac{x^2}{a^2} - \frac{y^2}{b^2} = 0$ |
|  <p data-bbox="278 1157 446 1175">Cono Elíptico</p> $\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = 0$ |  <p data-bbox="639 1122 832 1140">Paraboloide Elíptico</p> $\frac{x^2}{a^2} + \frac{y^2}{b^2} = cz$ |  <p data-bbox="954 1094 1141 1112">Paraboloide Hiperbólico</p> $\frac{x^2}{a^2} - \frac{y^2}{b^2} = cz$ |