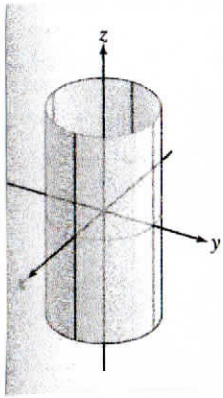
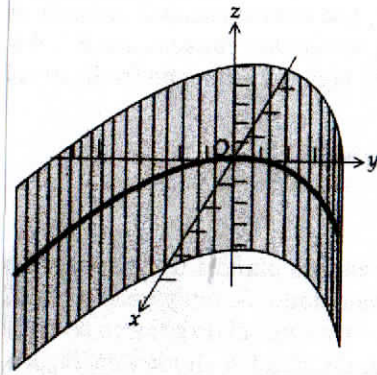


SUPERFÍCIES: CILÍNDRICAS E QUÁDRICAS.



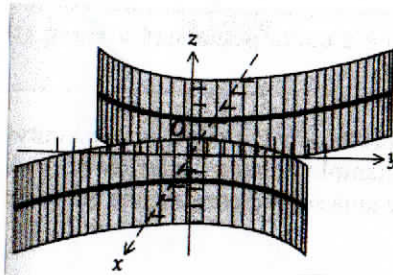
$$x^2 + y^2 = a^2; z \in \mathbb{R};$$

Cilindro circular;



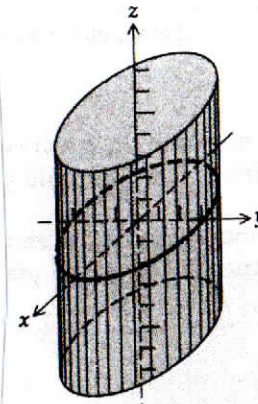
$$x^2 = 4py, p > 0; z \in \mathbb{R};$$

Cilindro parabólico;



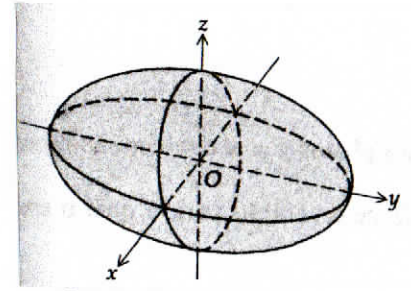
$$\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1; z \in \mathbb{R};$$

Cilindro hiperbólico;



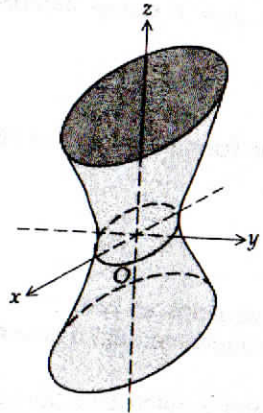
$$\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1; z \in \mathbb{R};$$

Cilindro Elíptico;



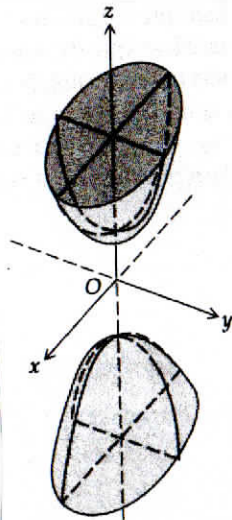
$$\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} = 1;$$

Elipsóide;



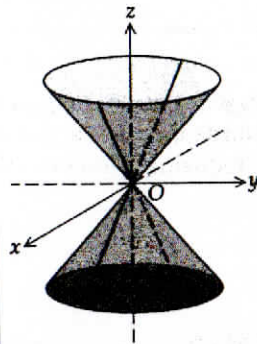
$$\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = 1;$$

Hiperbolóide de uma Folha;



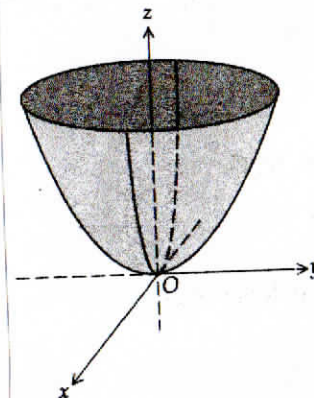
$$-\frac{x^2}{a^2} - \frac{y^2}{b^2} + \frac{z^2}{c^2} = 1;$$

Hiperbolóide de duas Folhas;



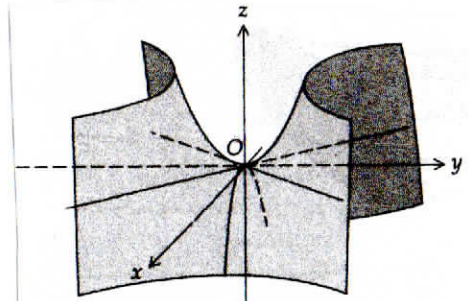
$$\frac{z^2}{c^2} = \frac{x^2}{a^2} + \frac{y^2}{b^2};$$

Cone elíptico de duas Folhas;



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

Parabolóide elíptico;



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

Parabolóide Hiperbólico;