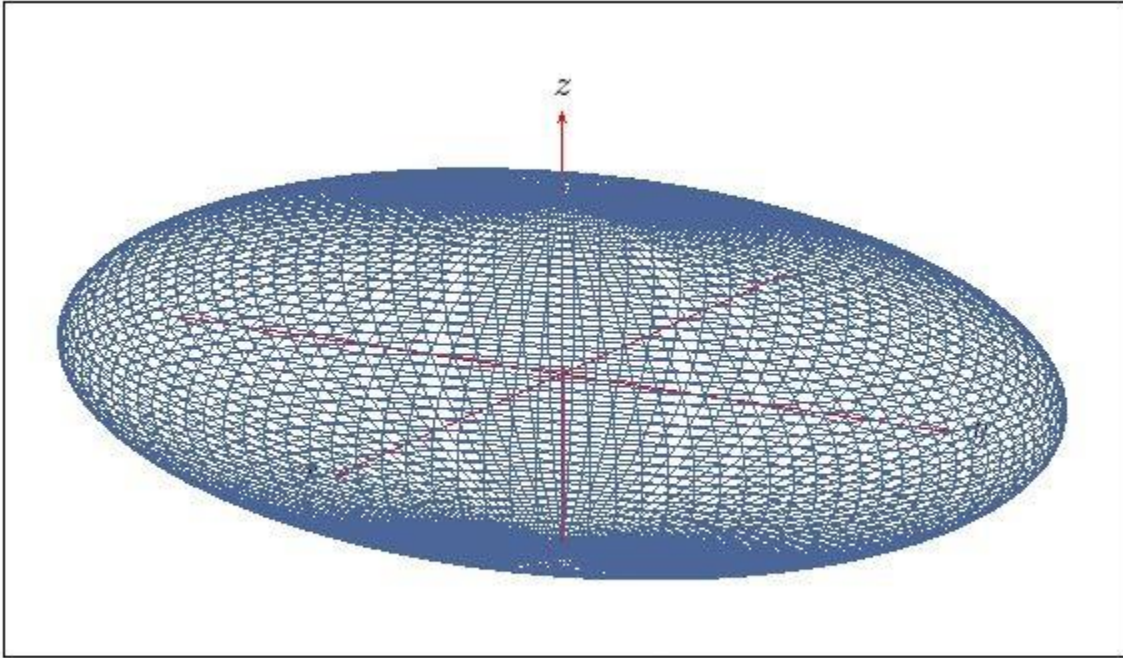


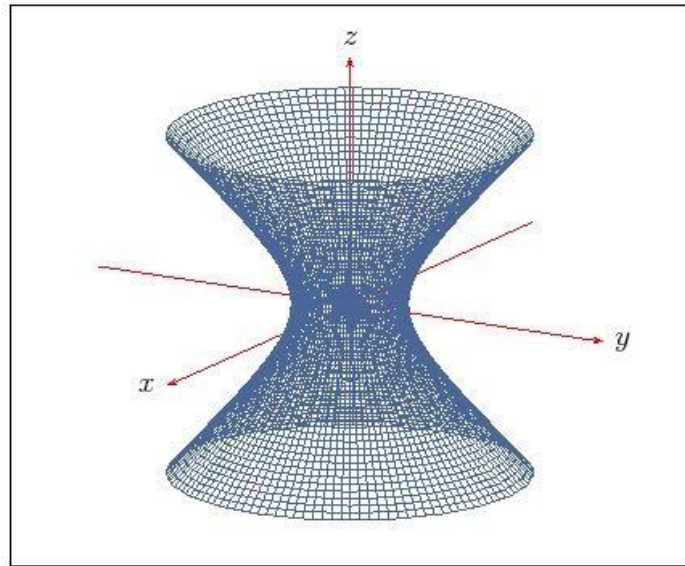
Επιφάνειες 2ου βαθμού (τετραγωνικές) στον R^3

Ελλειψοειδές



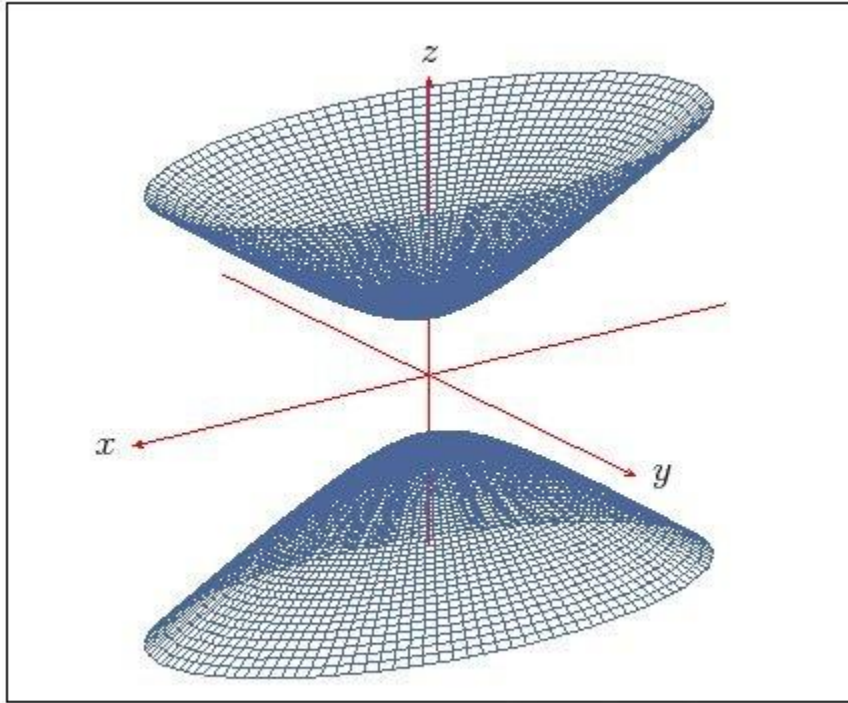
$$\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} = 1$$

Μονόχωνο Υπερβολοειδές



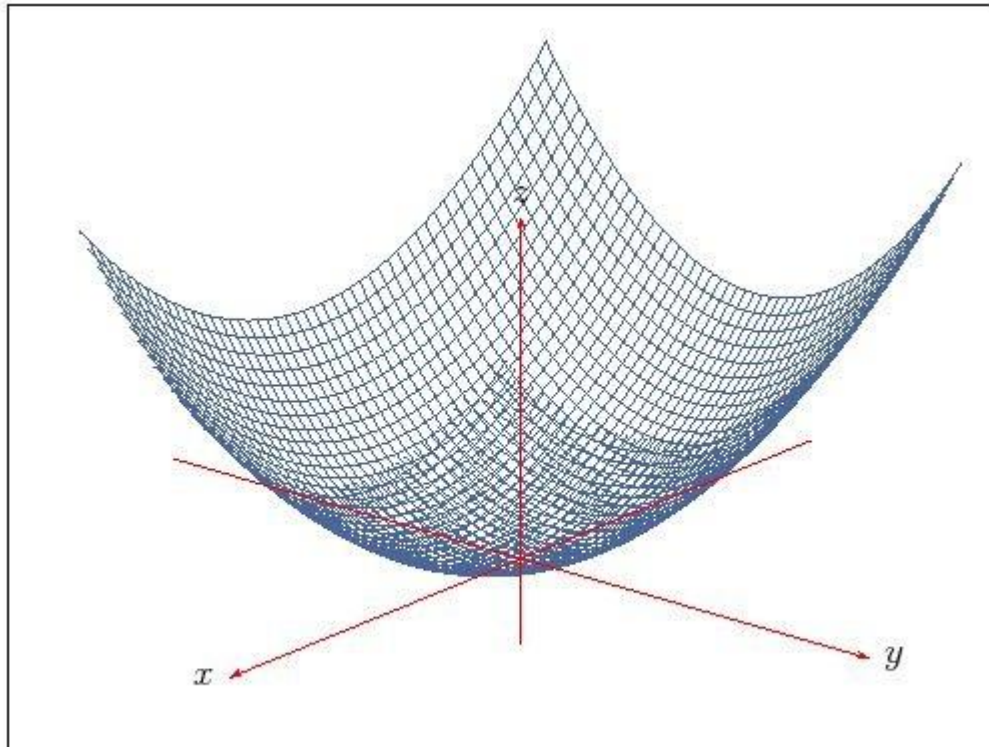
$$\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = 1$$

Δίχωνο Υπερβολοειδές



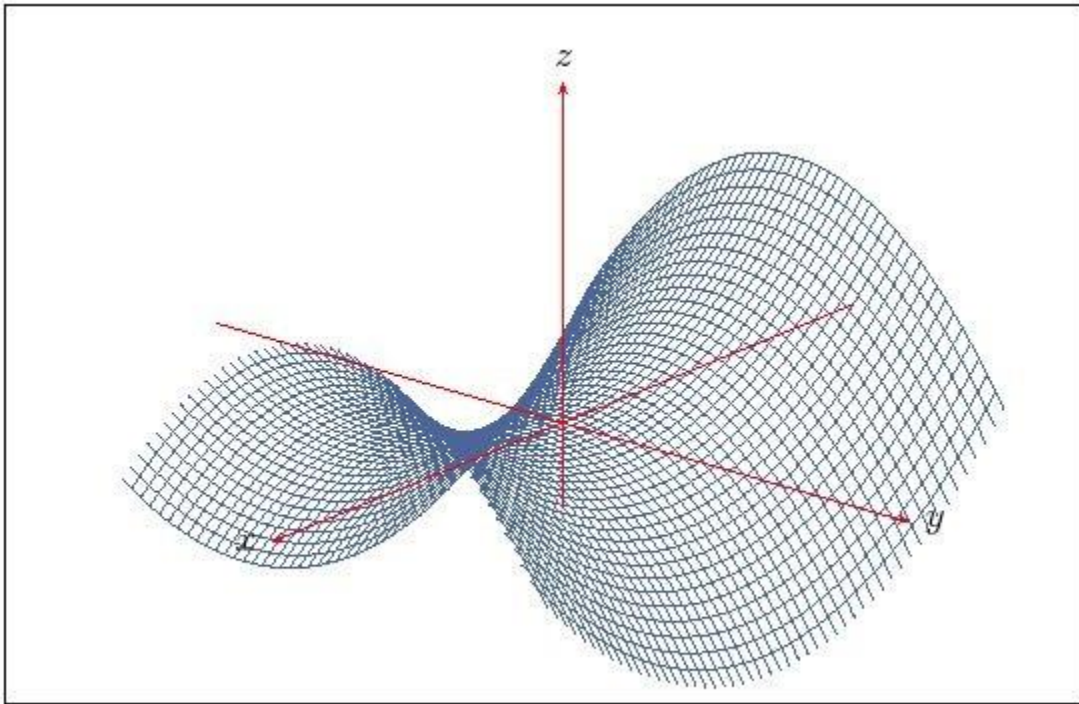
$$\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2} = -1$$

Ελλειπτικό Παραβολοειδές



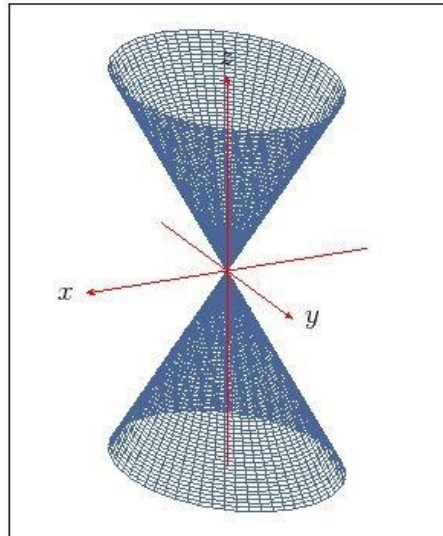
$$\frac{x^2}{a^2} + \frac{y^2}{b^2} = \frac{z}{c}$$

Υπερβολικό Παραβολοειδές



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

ΕΛΛΕΙΠΤΙΚΟΣ ΚΩΝΟΣ



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