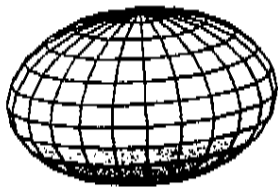
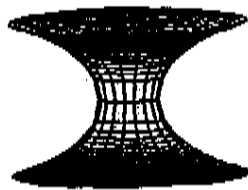


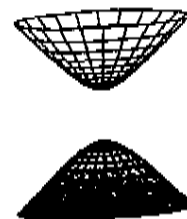
- (1) Ellipsoid: $\frac{x_1^2}{a^2} + \frac{x_2^2}{b^2} + \frac{x_3^2}{c^2} = 1$
- (2) Hyperboloid (einschalig): $\frac{x_1^2}{a^2} + \frac{x_2^2}{b^2} - \frac{x_3^2}{c^2} = 1$
- (3) Hyperboloid (zweischalig): $\frac{x_1^2}{a^2} - \frac{x_2^2}{b^2} - \frac{x_3^2}{c^2} = 1$
- (4) Elliptisches Paraboloid: $\frac{x_1^2}{a^2} + \frac{x_2^2}{b^2} - x_3 = 0$
- (5) Hyperbolisches Paraboloid: $\frac{x_1^2}{a^2} - \frac{x_2^2}{b^2} - x_3 = 0$
- (6) Kegel: $\frac{x_1^2}{a^2} + \frac{x_2^2}{b^2} - \frac{x_3^2}{c^2} = 0, (x_1, x_2, x_3) \neq (0, 0, 0)$



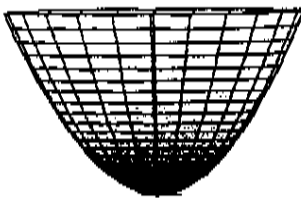
(1)



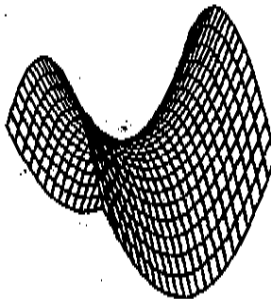
(2)



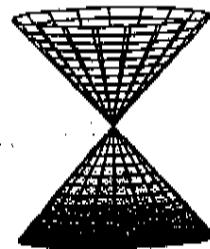
(3)



(4)



(5)



(6)