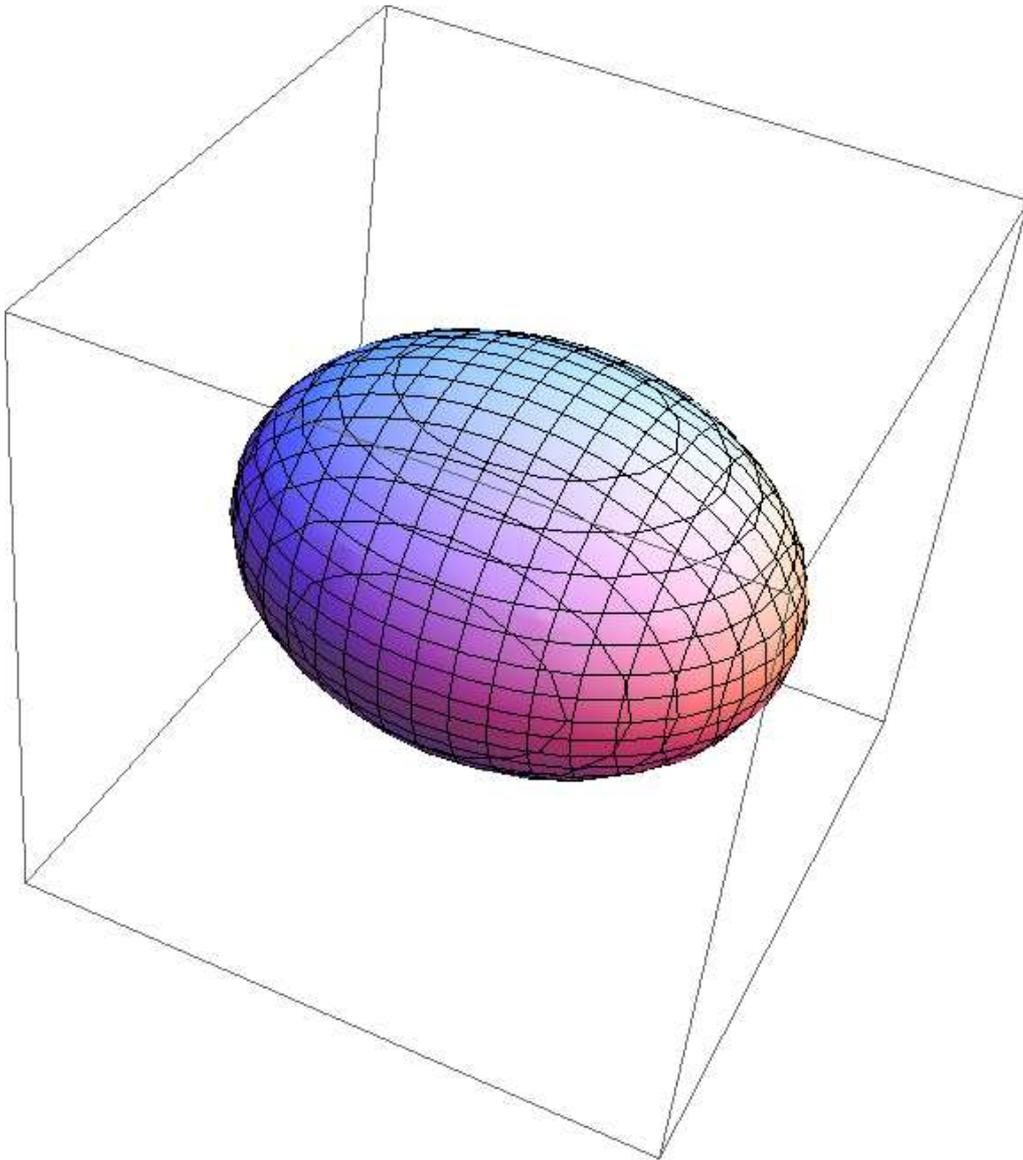
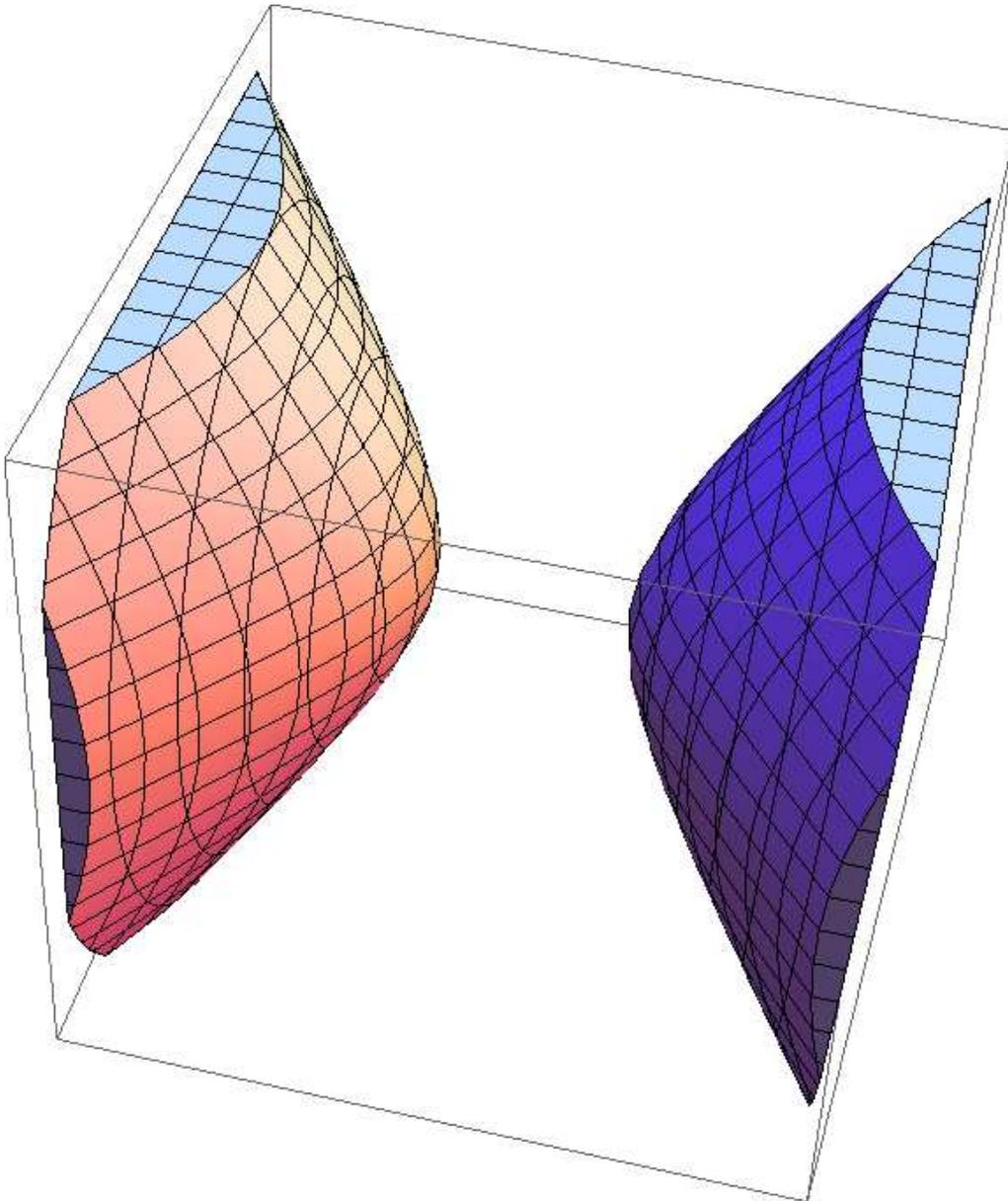


Flächen zweiter Ordnung

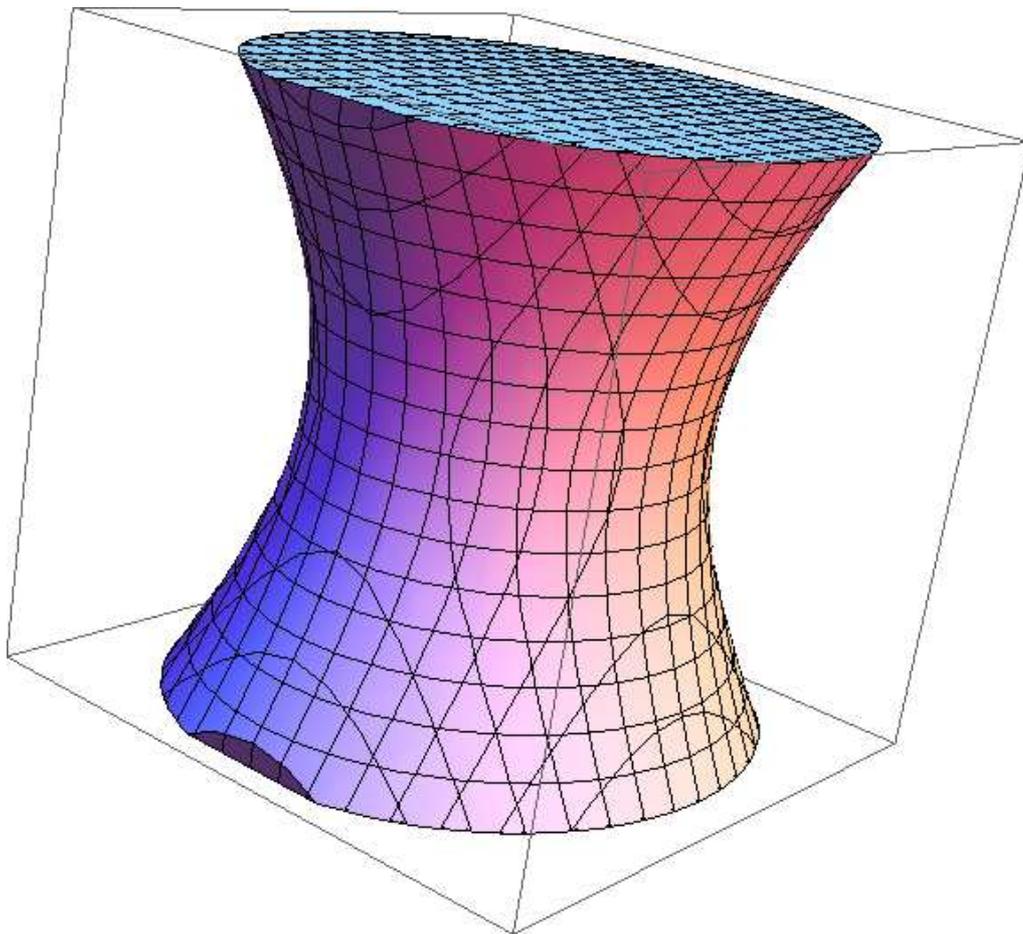
Ellipsoid: $x_1^2 + x_2^2 + x_3^2 - 1 = 0$.



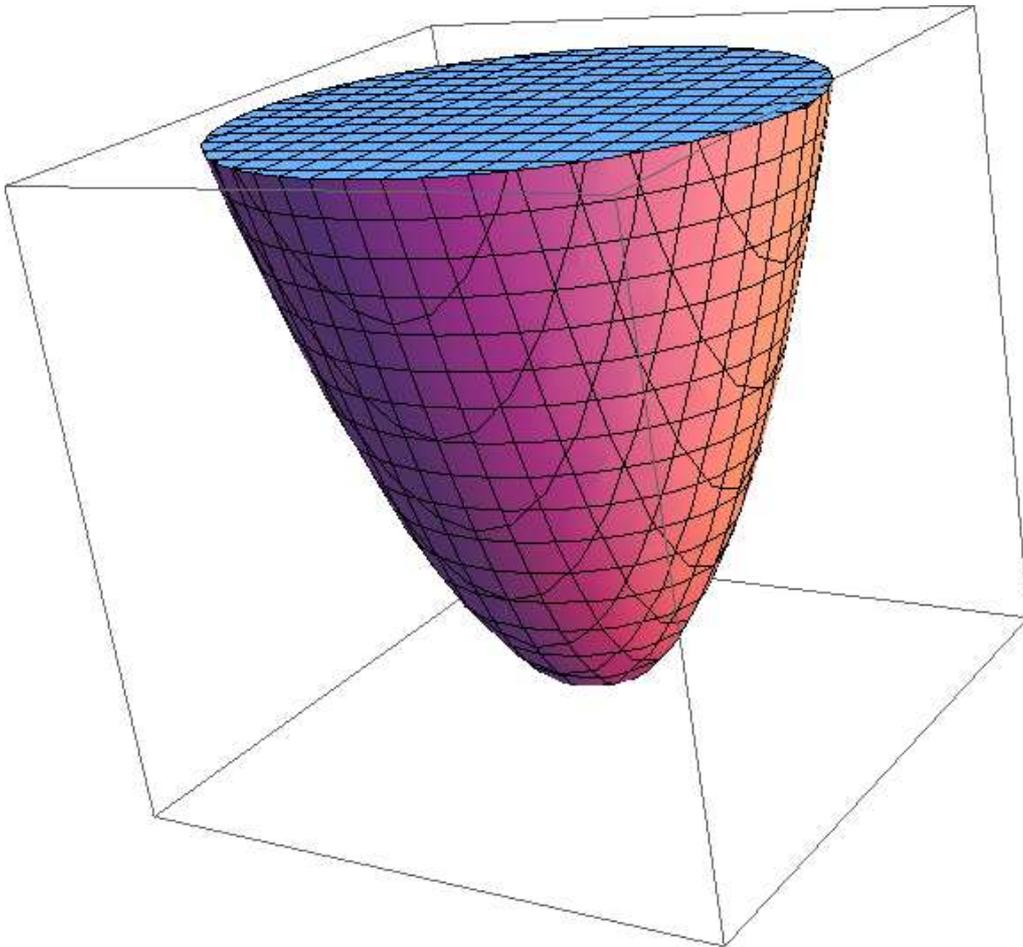
Zweischaliges Hyperboloid: $x_1^2 + x_2^2 - x_3^2 + 1 = 0$.



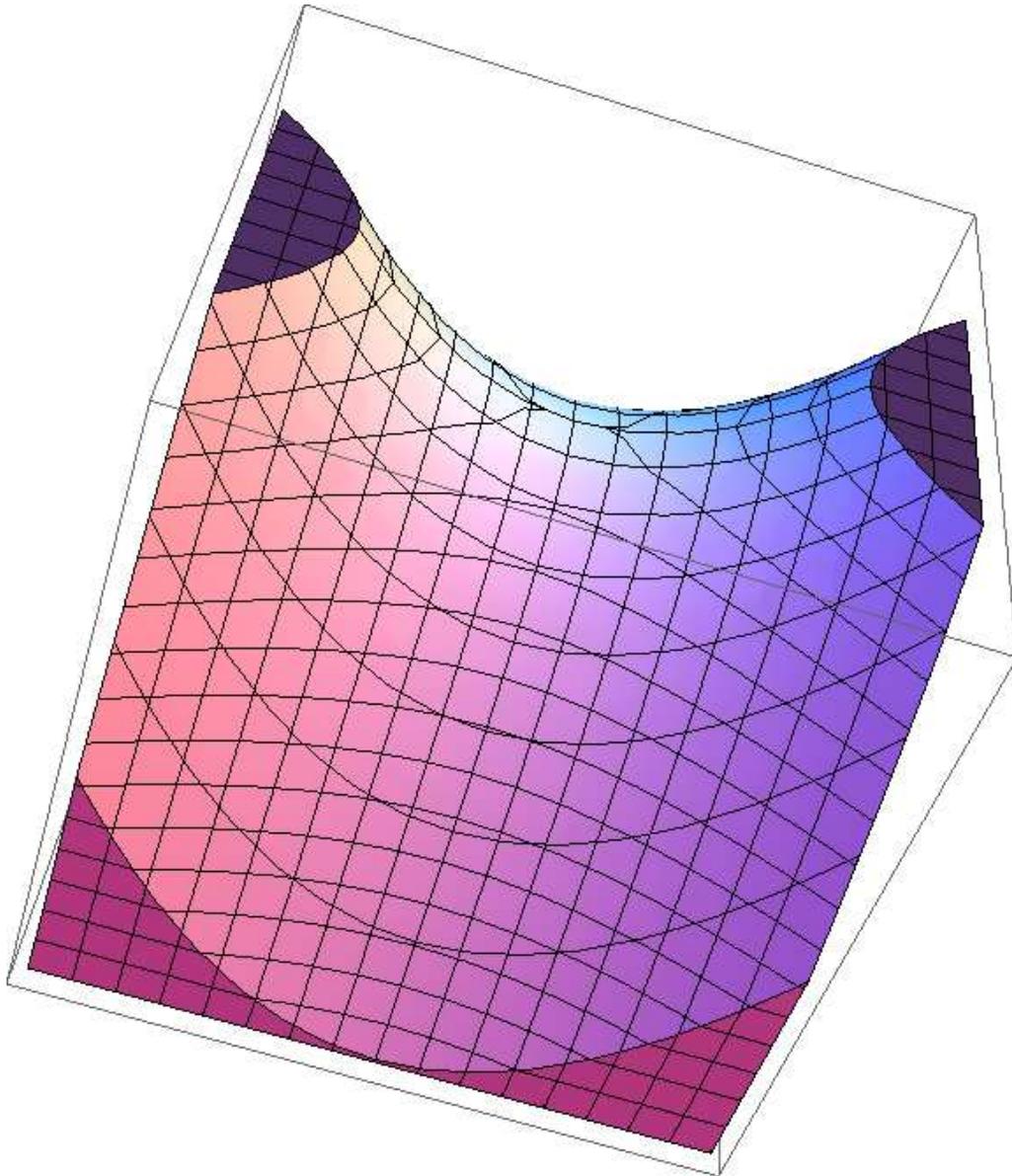
Einschaliges Hyperboloid: $x_1^2 + x_2^2 - x_3^2 - 1 = 0$.



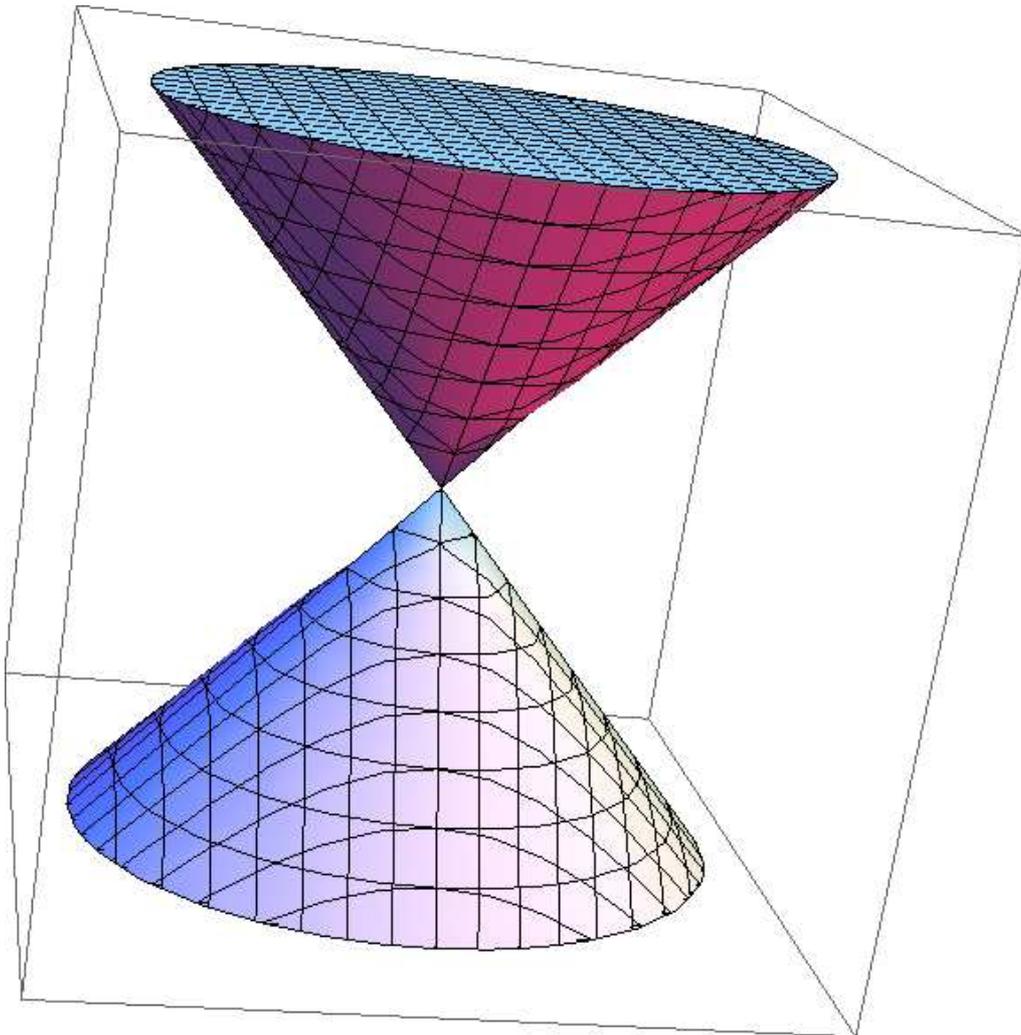
Elliptisches Paraboloid: $x_1^2 + x_2^2 - x_3 = 0$.



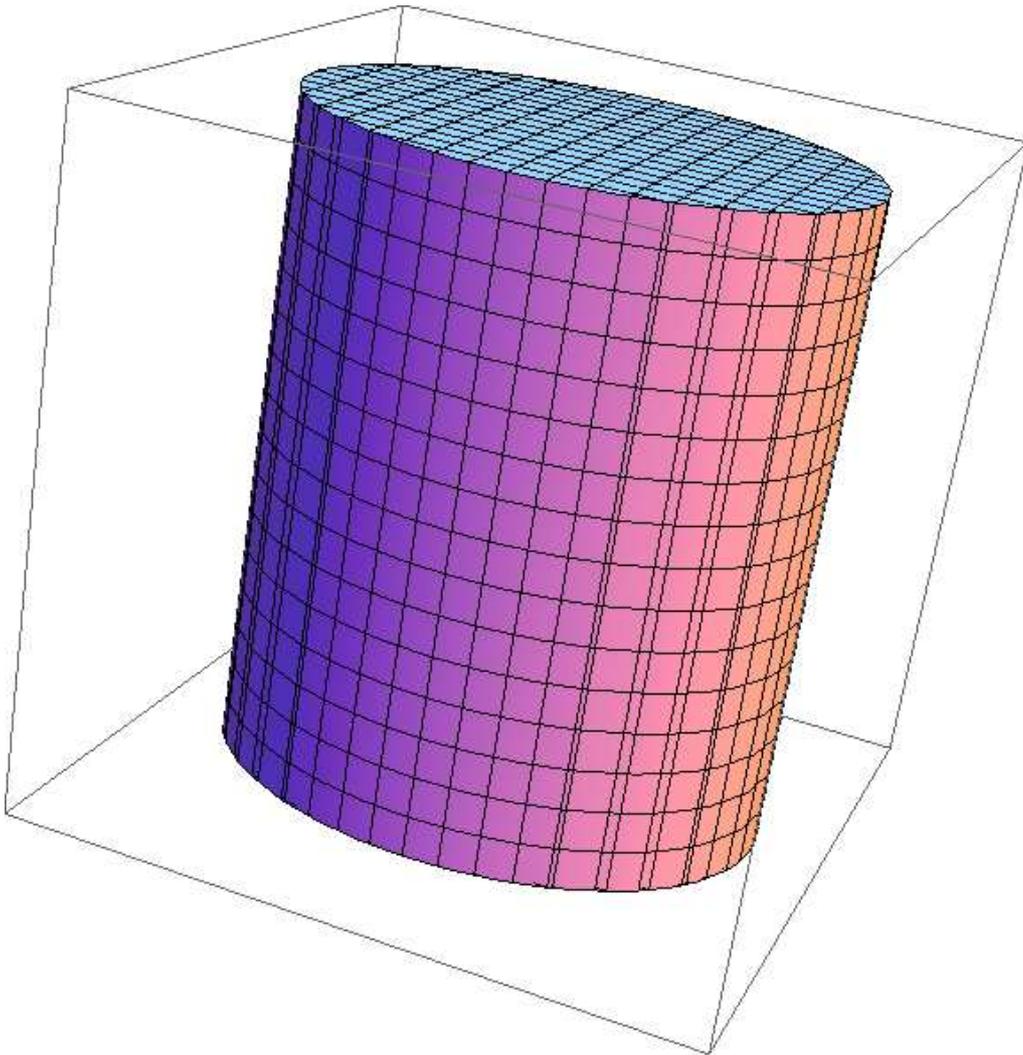
Hyperbolisches Paraboloid (Sattelfläche): $x_1^2 - x_2^2 - x_3 = 0$.



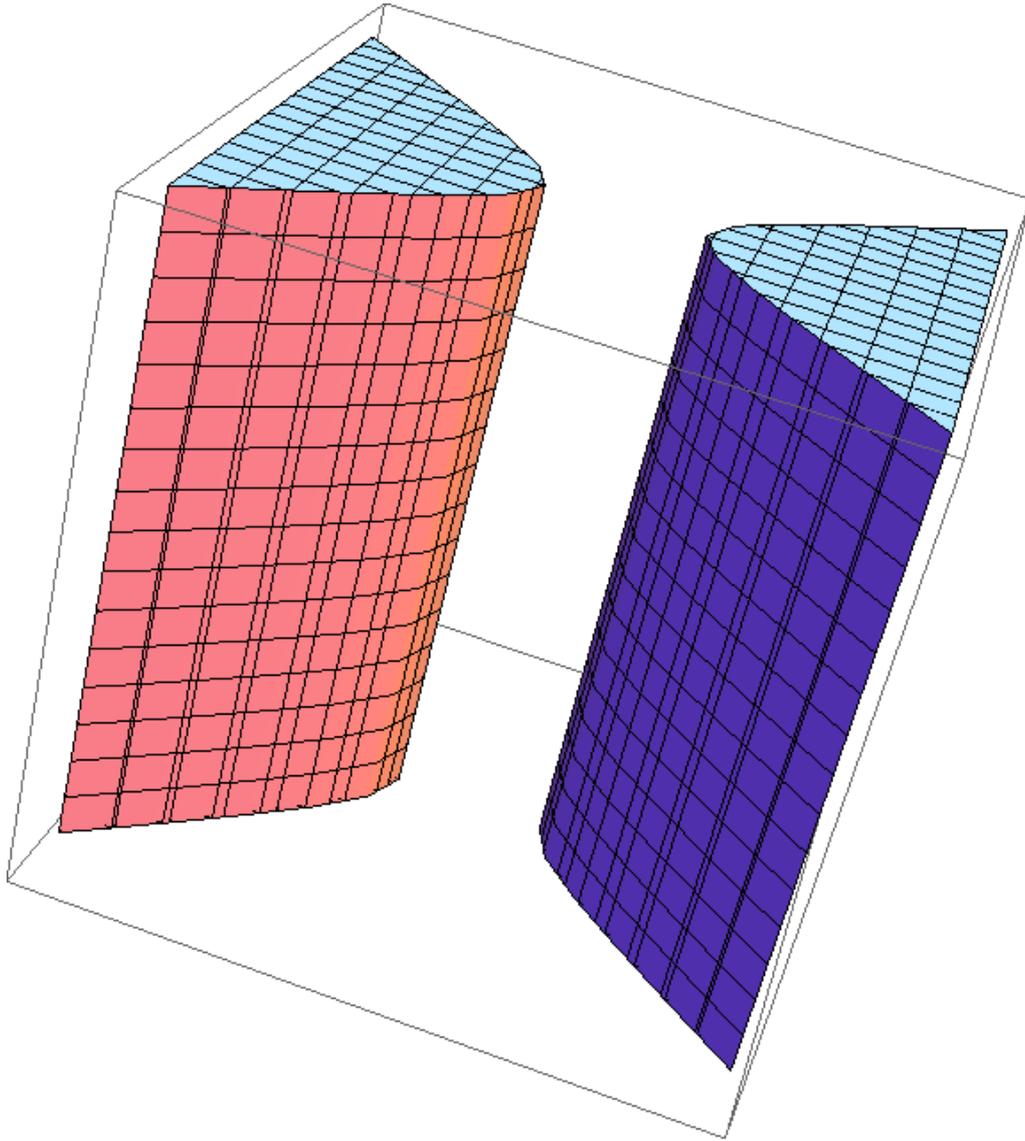
Kegel: $x_1^2 + x_2^2 - x_3^2 = 0$.



Elliptischer Zylinder: $x_1^2 + x_2^2 - 1 = 0$.



Hyperbolischer Zylinder: $x_1^2 - x_2^2 - 1 = 0$.



Parabolischer Zylinder: $x_1^2 - x_2 = 0$.

