



A 3D coordinate system is shown with a red dot at the origin. A blue curve, representing a paraboloid, passes through the origin and opens downwards. The curve is symmetric about the vertical axis. A thick black line, representing the horizontal plane, also passes through the origin. The equation  $x_1 = x_2 = x_3$  is written in the upper right quadrant.

$$x_1 = x_2 = x_3$$