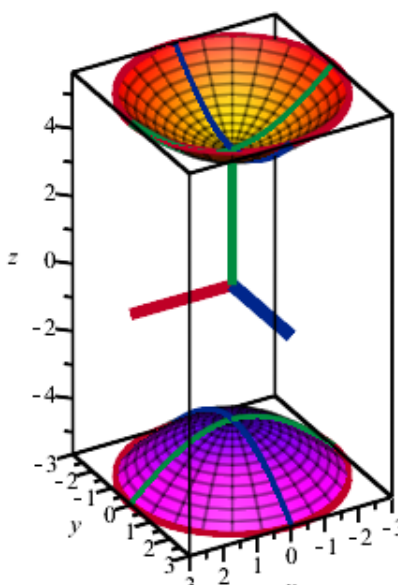
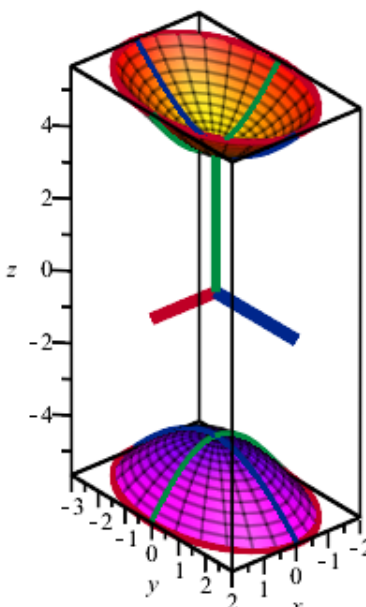
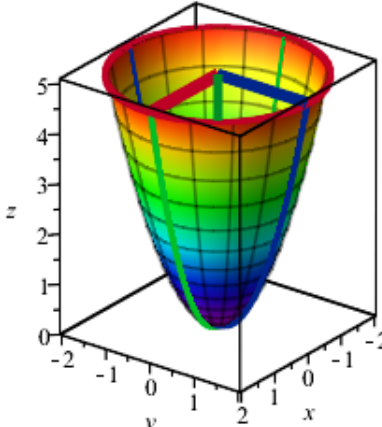
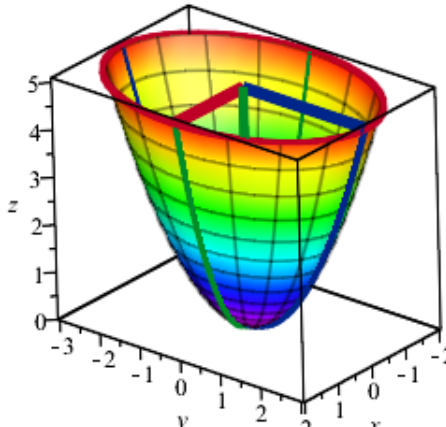


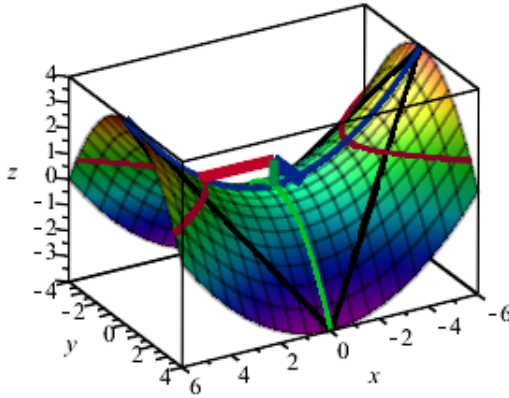
<p>Hyperboloid of revolution of two sheets, $o \parallel z$</p> $-\frac{(x-m)^2}{a^2} - \frac{(y-n)^2}{b^2} + \frac{(z-p)^2}{c^2} = 1$ <p>$\mathbf{S} = (m, n, p) = (0, 0, 0)$</p> <p>$a = b = 3, c = 4$</p> 	<p>Elliptic hyperboloid of two sheets, $o \parallel z$</p> $-\frac{(x-m)^2}{a^2} - \frac{(y-n)^2}{b^2} + \frac{(z-p)^2}{c^2} = 1$ <p>$\mathbf{S} = (m, n, p) = (0, 0, 0)$</p> <p>$a = 2, b = 3, c = 4$</p> 
<p>Paraboloid of revolution, $o \parallel +z$</p> $\frac{(x-m)^2}{a^2} + \frac{(y-n)^2}{b^2} = \frac{z-p}{c}$ <p>$\mathbf{V} = (m, n, p) = (0, 0, 0)$</p> <p>$a = b = 2, c = 5$</p> 	<p>Elliptic paraboloid, $o \parallel +z$</p> $\frac{(x-m)^2}{a^2} + \frac{(y-n)^2}{b^2} = \frac{z-p}{c}$ <p>$\mathbf{V} = (m, n, p) = (0, 0, 0)$</p> <p>$a = 2, b = 3, c = 5$</p> 

Hyperbolic paraboloid, $o \parallel +z$

$$\frac{(x - m)^2}{a^2} - \frac{(y - n)^2}{b^2} = \frac{z - p}{c}$$

$$\mathbf{V} = (m, n, p) = (0, 0, 0)$$

$$a = 3, b = 2, c = 1$$

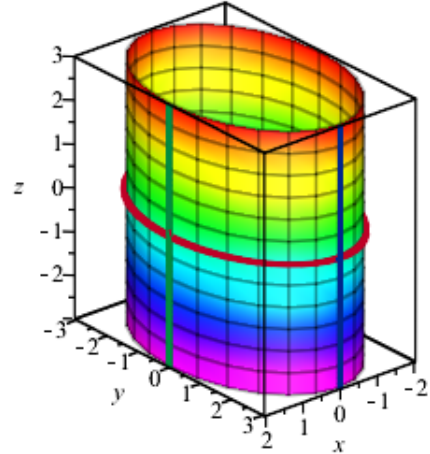


Elliptic cylinder, $o \parallel z$

$$\frac{(x - m)^2}{a^2} + \frac{(y - n)^2}{b^2} = 1$$

$$\mathbf{S} = (m, n, z) = (0, 0, z)$$

$$a = 2, b = 3$$

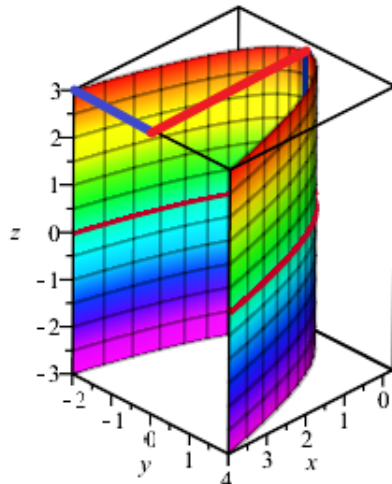


Parabolic cylinder, $o \parallel z$

$$\frac{(y - n)^2}{b^2} = \frac{x - m}{a}$$

$$\mathbf{V} = (m, n, p) = (0, 0, 0)$$

$$a = 4, b = 2$$



Hyperbolic cylinder, $o \parallel z$

$$\frac{(x - m)^2}{a^2} - \frac{(y - n)^2}{b^2} = 1$$

$$\mathbf{S} = (m, n, p) = (0, 0, 0)$$

$$a = 2, b = 3$$

