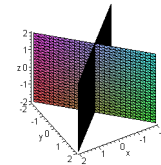


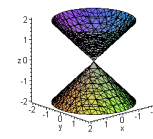
Liste der nicht-leeren Quadriken eines n-dimensionalen \mathbf{R} -Vektorraumes mit $n \leq 3$

n=1	x^2	Punkt	
	x^2-1	2 Punkte	
n=2	I	x^2-y^2	Paar sich schneidender Geraden
		x^2+y^2	Punkt
		x^2-1	zwei parallele Geraden
	II	x^2-y^2-1	Hyperbel
		x^2+y^2-1	Ellipse
	III	x^2+2y	Parabel
n=3	x^2	Ebene	

x^2-y^2 Paar sich schneidender Ebenen



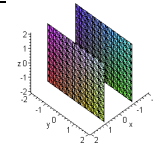
I x^2+y^2 Gerade



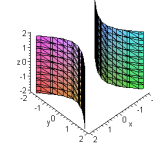
$x^2+y^2-z^2$ Kegel

$x^2+y^2+z^2$ Punkt

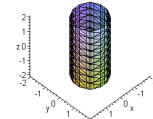
x^2-1 Paar paralleler Ebenen



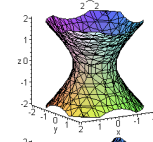
x^2-y^2-1 hyperbolischer Zylinder



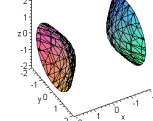
II x^2+y^2-1 elliptischer Zylinder



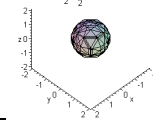
$x^2+y^2-z^2-1$ einschaliges Hyperboloid



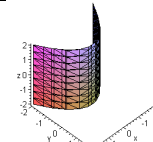
$x^2-y^2-z^2-1$ zweischaliges Hyperboloid



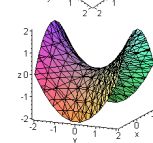
$x^2+y^2+z^2-1$ Ellipsoid



x^2+2y parabolischer Zylinder



III x^2-y^2+2z hyperbolisches Paraboloid



x^2+y^2+2z elliptisches Paraboloid

