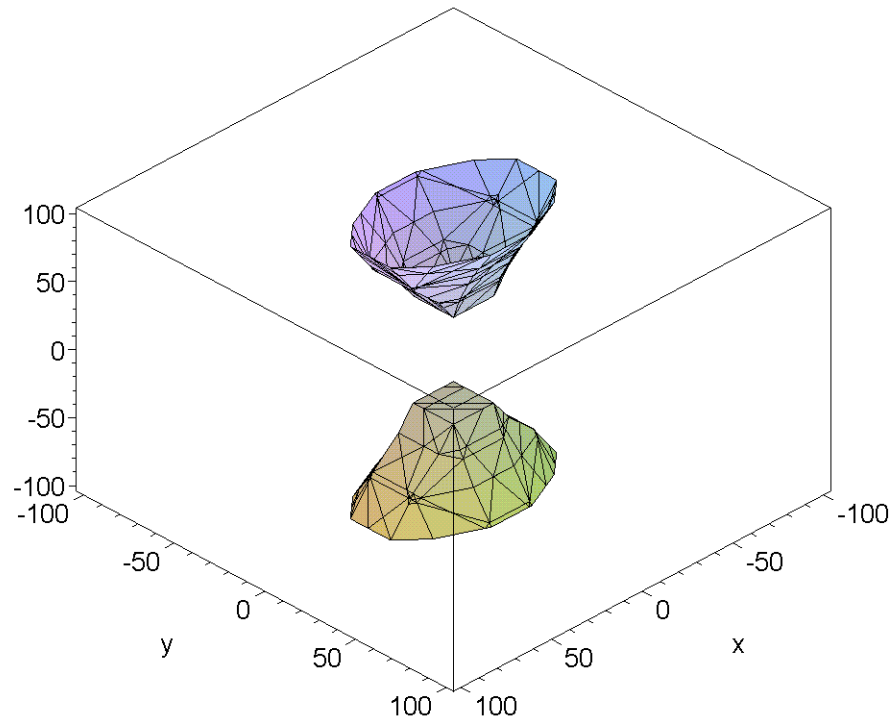


```
> restart;with(plots):with(student):  
Warning, the name changecoords has been redefined
```

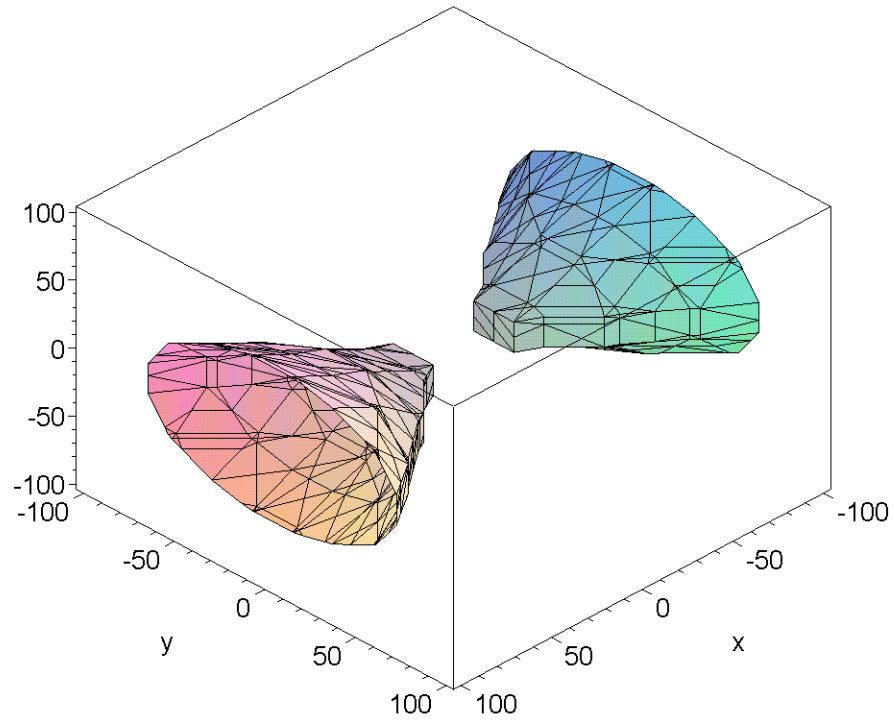
p. 874 ex29

```
> implicitplot3d(-4*x^2 -9*y^2+ z^2 = 36,x=-100..100,y=-100..100, z=  
-100 .. 100, axes=boxed);
```



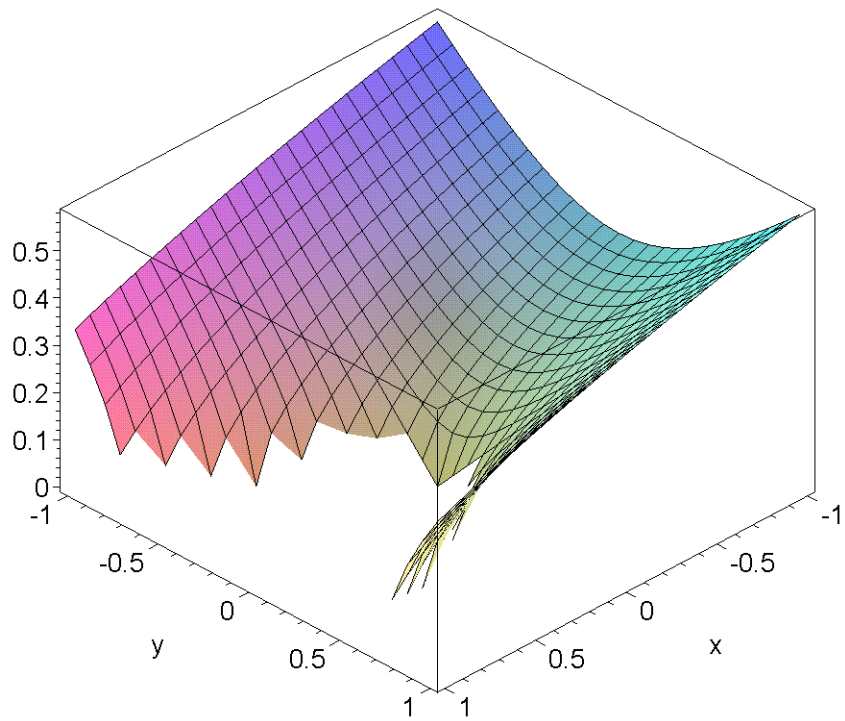
p. 874 ex30

```
> implicitplot3d(x^2 -2*y^2-3*z^2 = 0,x=-100..100,y=-100..100, z=  
-100 .. 100, axes=boxed);
```



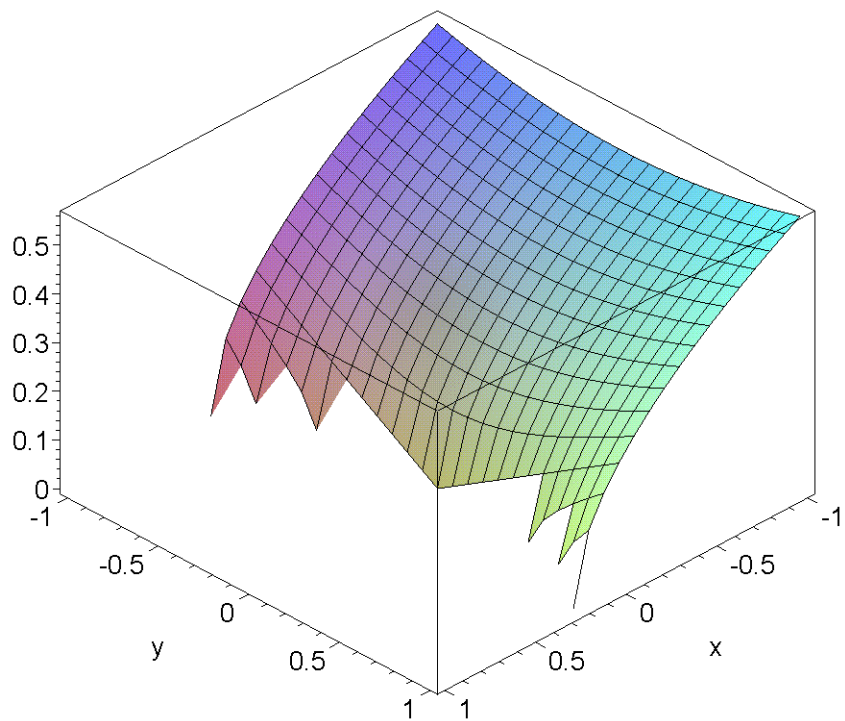
p. 874 ex31

```
> plot3d((sqrt(2*y^2-x))/3,x=-1..1,y=-1..1,axes = boxed);
```



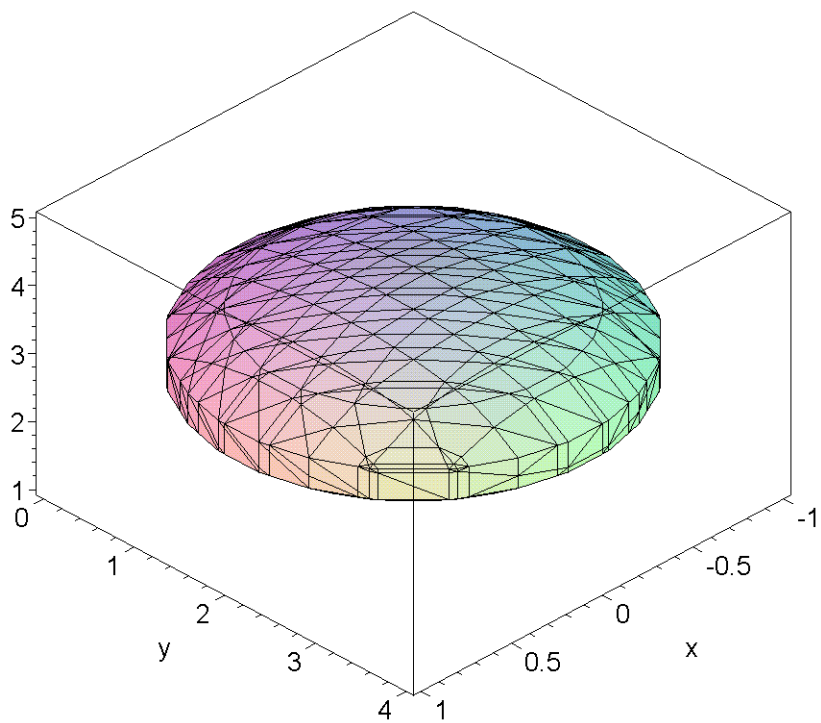
p. 874 ex32

```
> plot3d((sqrt(y^2-4*x))/4,x=-1..1,y=-1..1,axes = boxed);
```



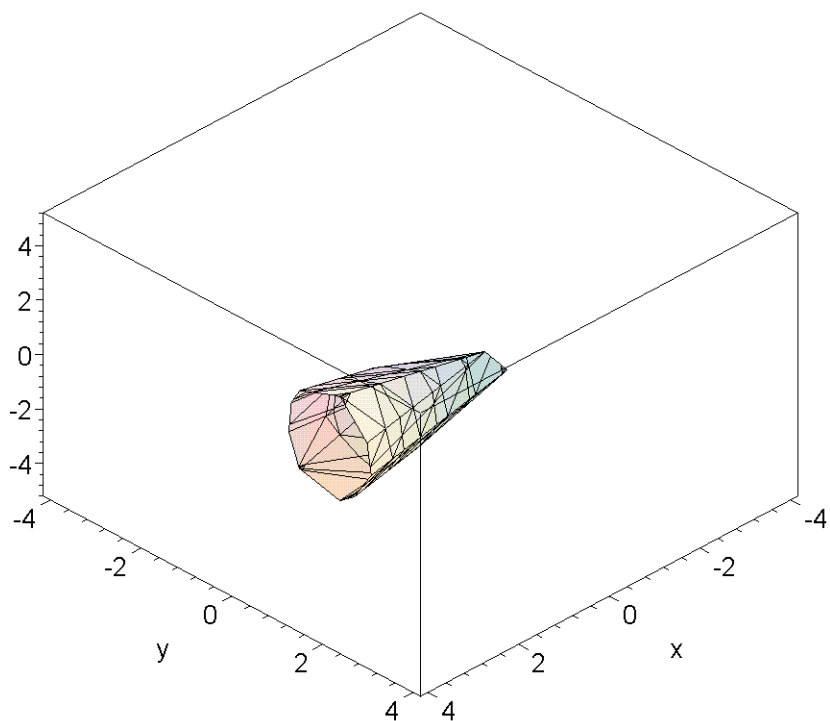
p. 874 ex33

```
> implicitplot3d(4*x^2+y^2+4*z^2-4*y -24*z+36= 0,x= -1 .. 1,y= 0 .. 4,z= 1 .. 5, axes=boxed);
```



p. 874 ex33

```
> implicitplot3d(4*y^2+z^2-x-16*y -4*z+20= 0,x= -4 .. 4,y= -4 ..  
4,z= -5 .. 5, axes=boxed);
```

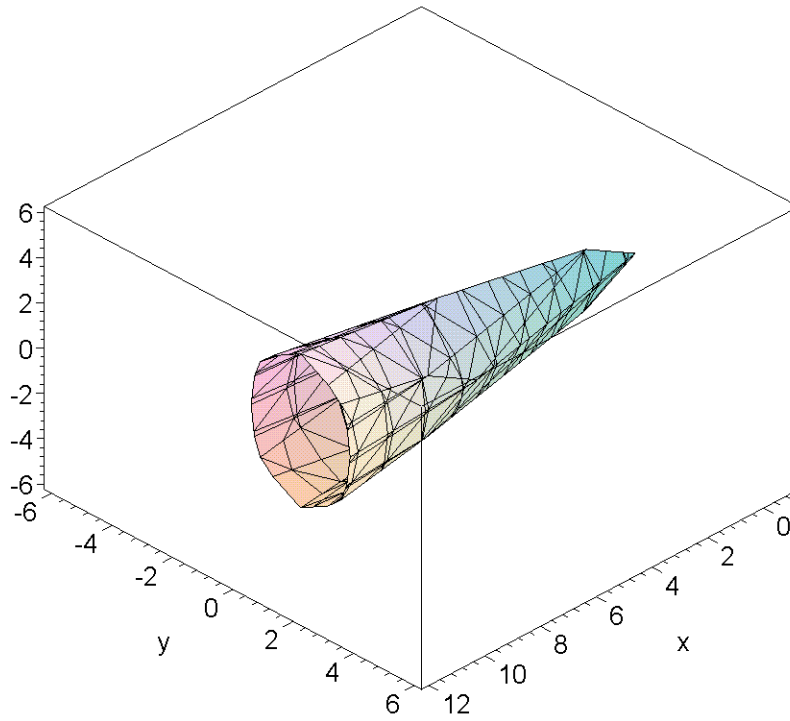


```
[ >
```

p. 874 ex 34.

```
[ >
```

```
> implicitplot3d( 4*y^2 + z^2 -x -16*y - 4*z  
+20=0,x=-1..12,y=-6..6,  
z=-6..6,axes = boxed);
```

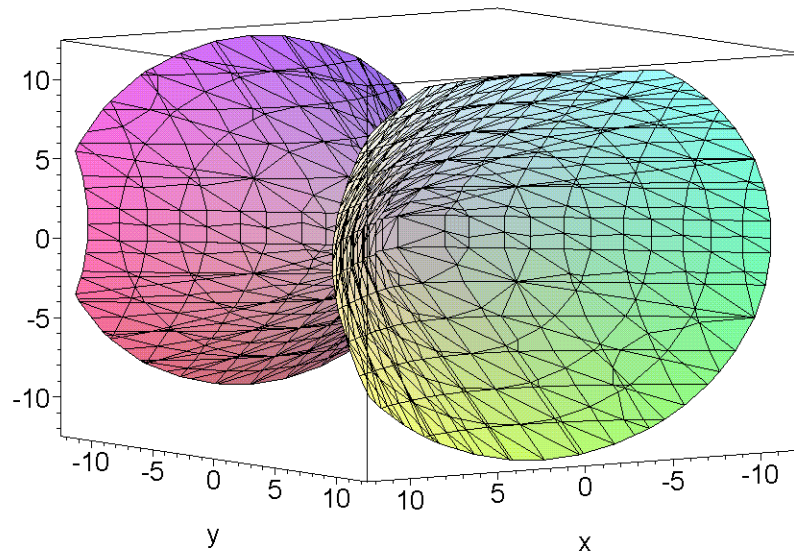


[ >

p. 874 ex 35.

[ >

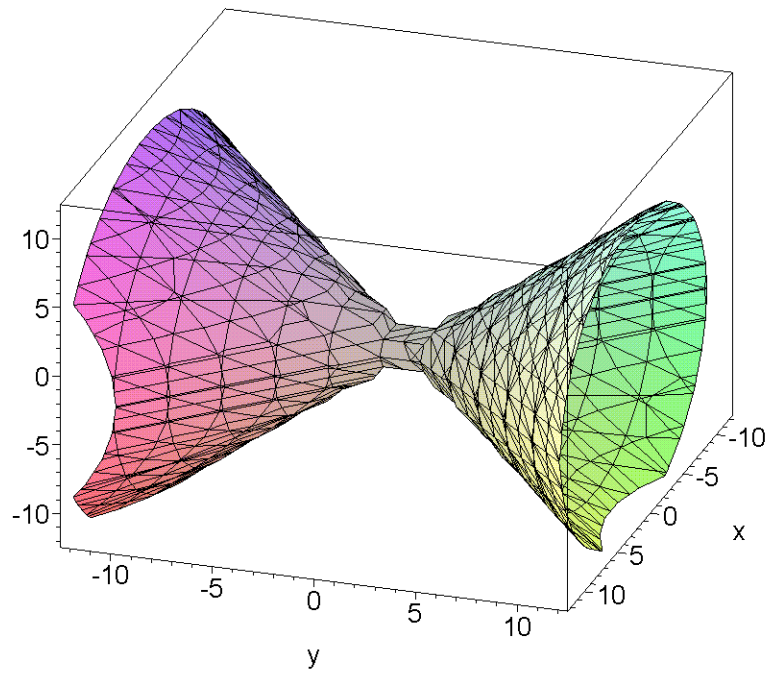
```
> implicitplot3d( x^2-y^2 + z^2 -4*x -2*y - 2*z +  
4=0,x=-12..12,y=-12..12,  
z=-12..12,grid=[13,13,13],axes = boxed);
```



p. 874 ex 36.

[ >

```
> implicitplot3d( x^2-y^2 + z^2 -2*x +2*y + 4*z  
+2=0,x=-12..12,y=-12..12,  
z=-12..12,grid=[13,13,13],axes = boxed);
```



```
[ >  
[ >
```