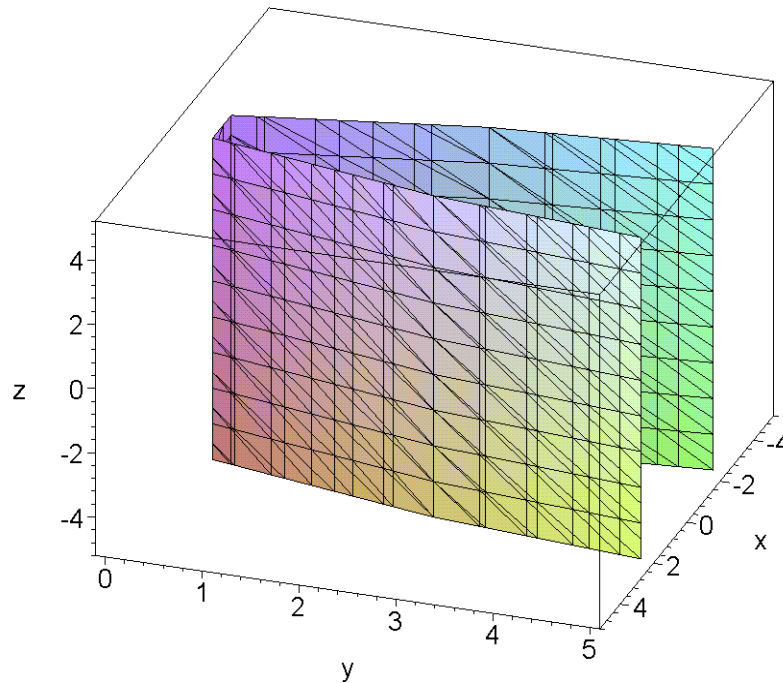


```
> restart:with(plots):with(student):  
Warning, the name changecoords has been redefined
```

Maple worksheet for p. 890

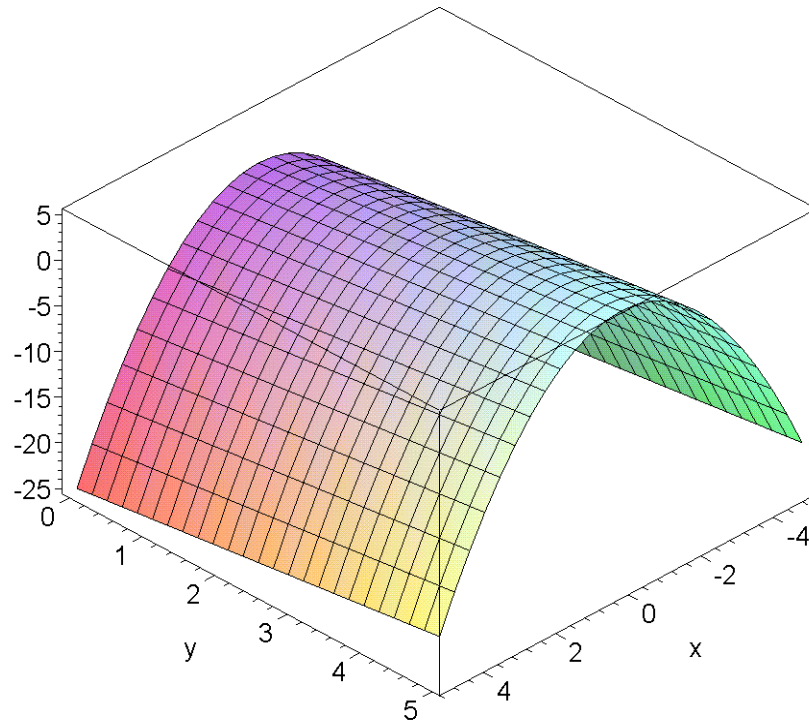
p.890 ex. 1

```
> implicitplot3d(y-x^2=0,x=-5..5,y=0..5,z=-5 .. 5,axes = boxed);
```

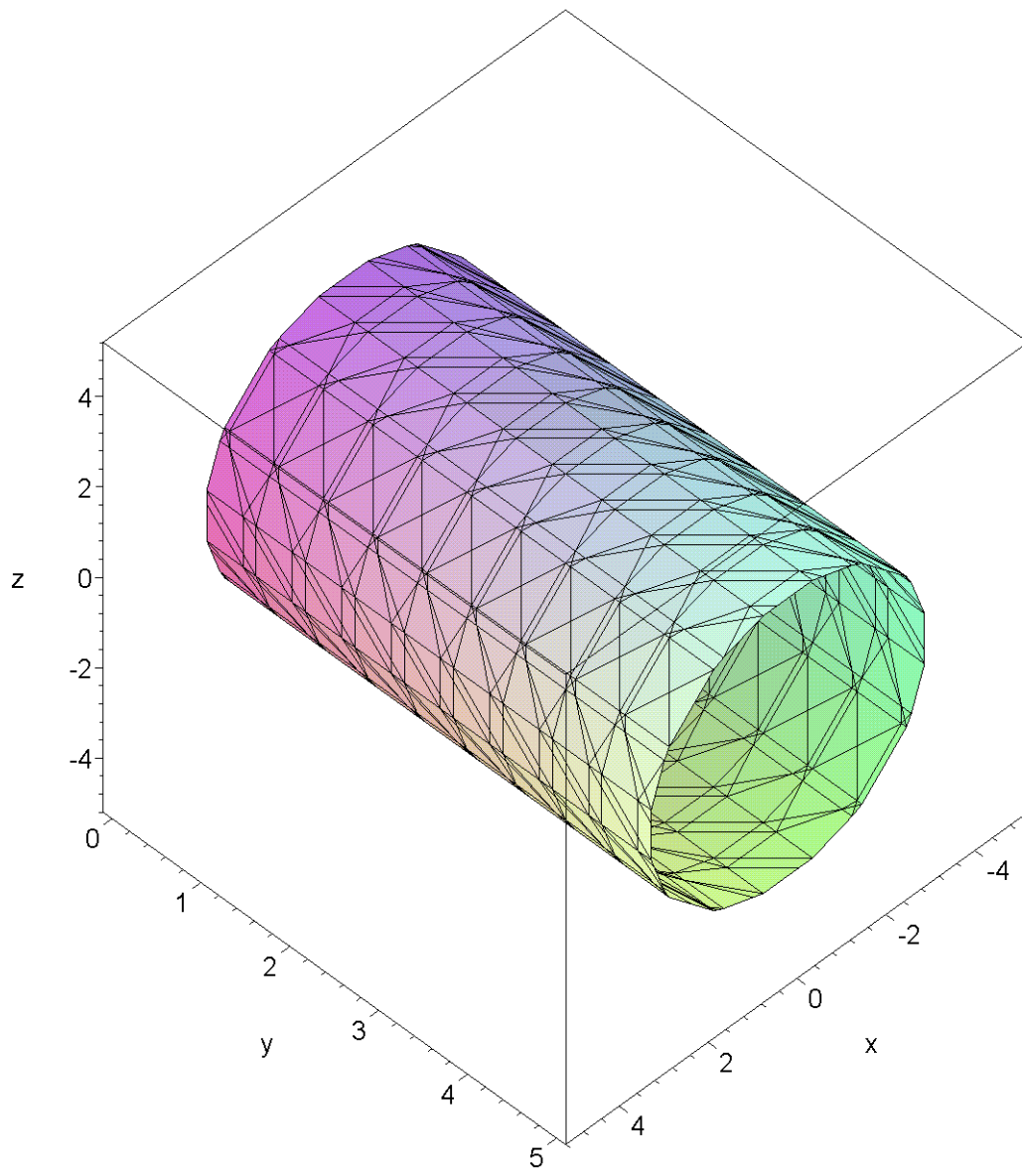


difference between

```
> plot3d(y-x^2, x= -5 .. 5,y= 0 .. 5 , style=patch,axes = boxed);
```

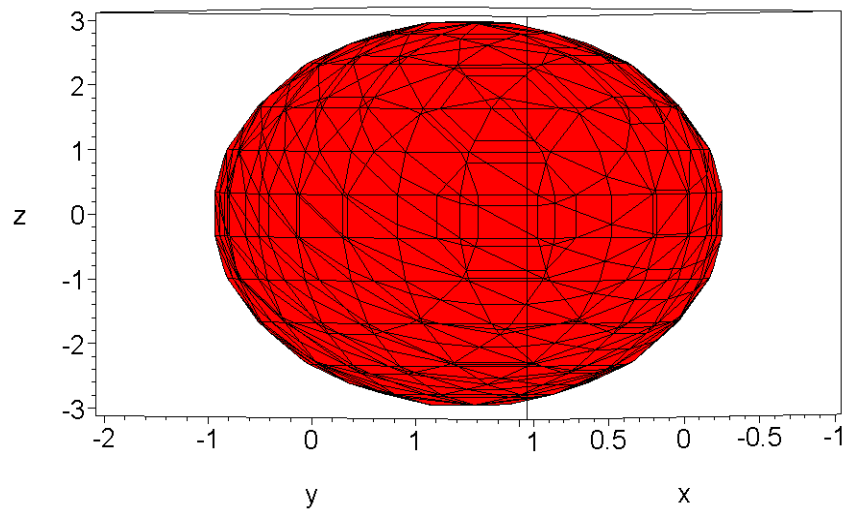


```
> implicitplot3d(z^2 + x^2=10,x=-5..5,y=0..5,z=-5 .. 5,axes = boxed);
```



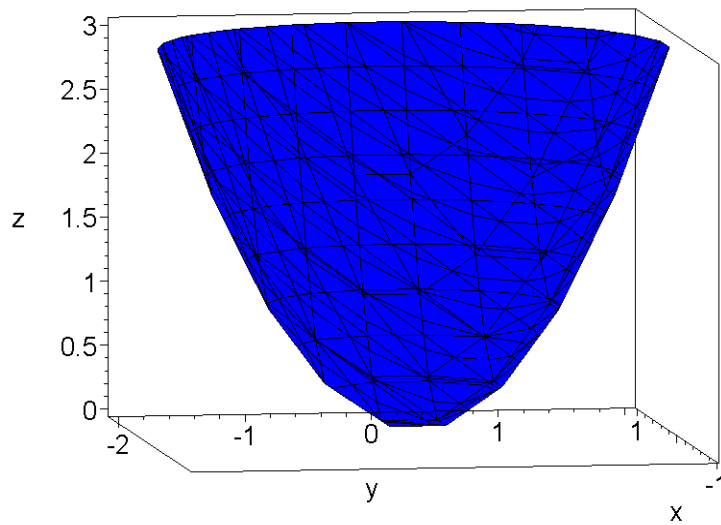
ex 2

```
> a:=1:b:=2:c:=3:  
> implicitplot3d(x^2/(a^2) + y^2/(b^2) + z^2/(c^2) = 1,  
  x=-a..a,y=-b..b,z=-c .. c,color = red, axes=boxed);
```



ex 3

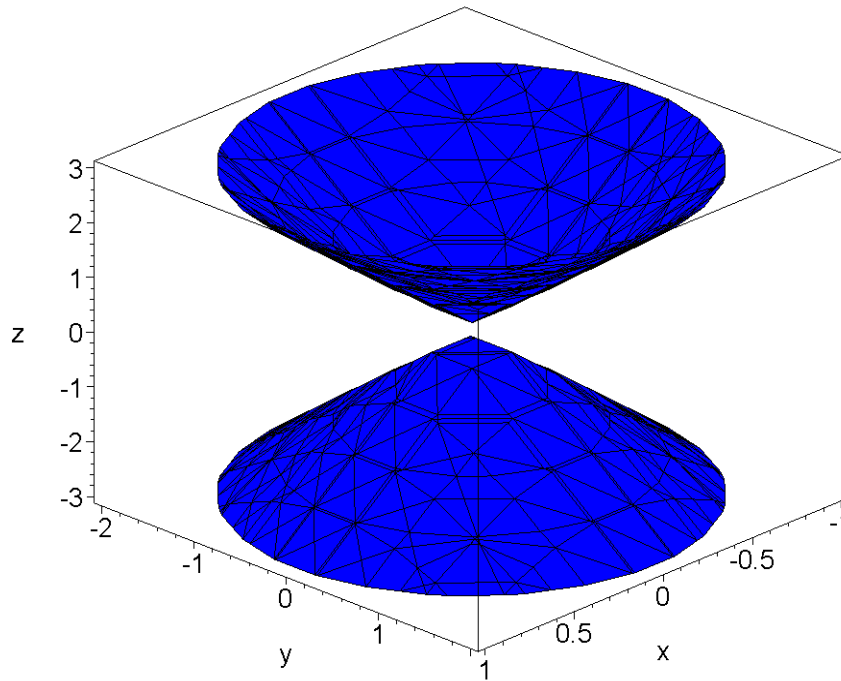
```
> implicitplot3d(x^2/(a^2) + y^2/(b^2) = z/c, x=-a..a,y=-b..b,z=0 ..
  c,color = blue, axes=boxed);
```



ex 4

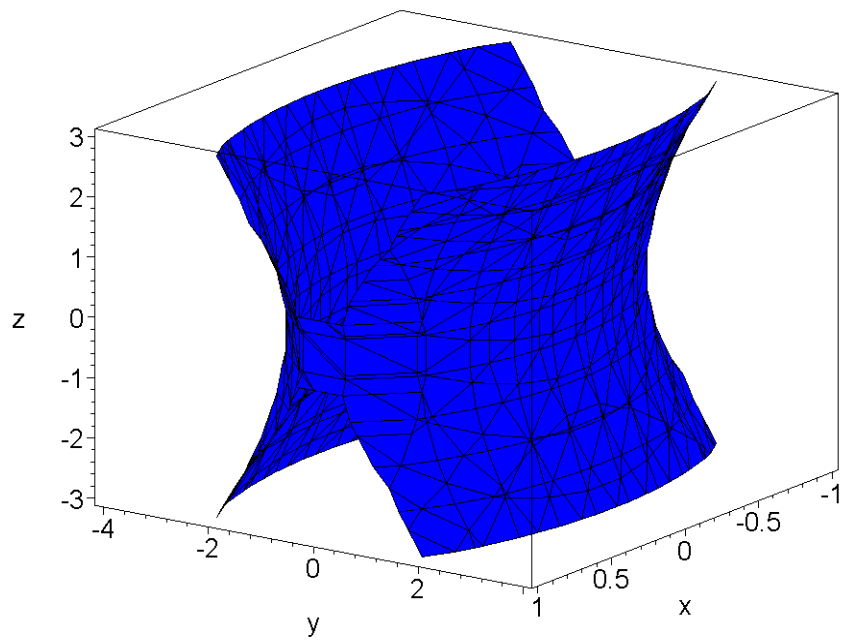
```
> implicitplot3d(x^2/(a^2) + y^2/(b^2) = z^2/c^2, x=-a..a,y=-b..b,z=-c .. c,color = blue, axes=boxed);
```

```
>
```



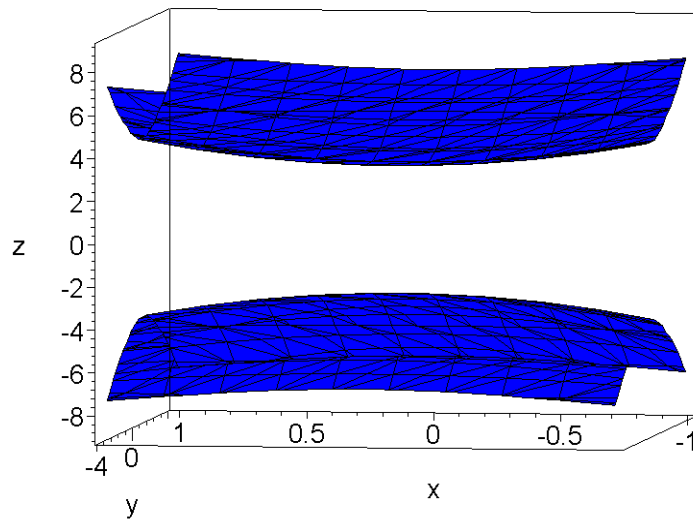
```
ex 5
```

```
> implicitplot3d(x^2/(a^2) + y^2/(b^2) - z^2/c^2 = 1, x=-a^2..a^2,y=-b^2..b^2,z= -c .. c,color = blue, axes=boxed);
```



ex 6

```
> implicitplot3d(-x^2/(a^2) - y^2/(b^2) + z^2/c^2 = 1,  
x=-a^2..a^2,y=-b^2..b^2,z= -c^2 .. c^2,color = blue, axes=boxed);
```



ex 7

>

```
> implicitplot3d(-x^2/(a^2) + y^2/(b^2) - z/c = 0,  
x=-a^2..a^2,y=-b^2..b^2,z= -c .. c,color = blue, axes=boxed);
```

