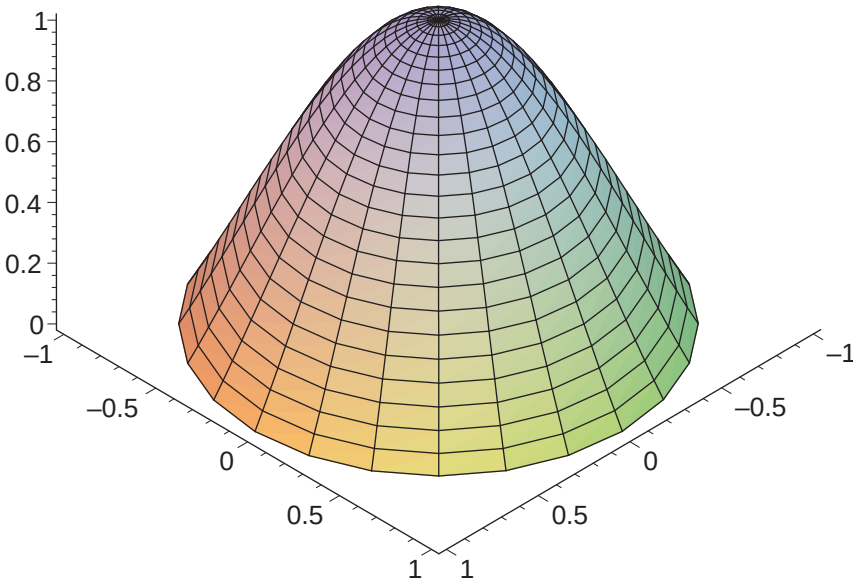
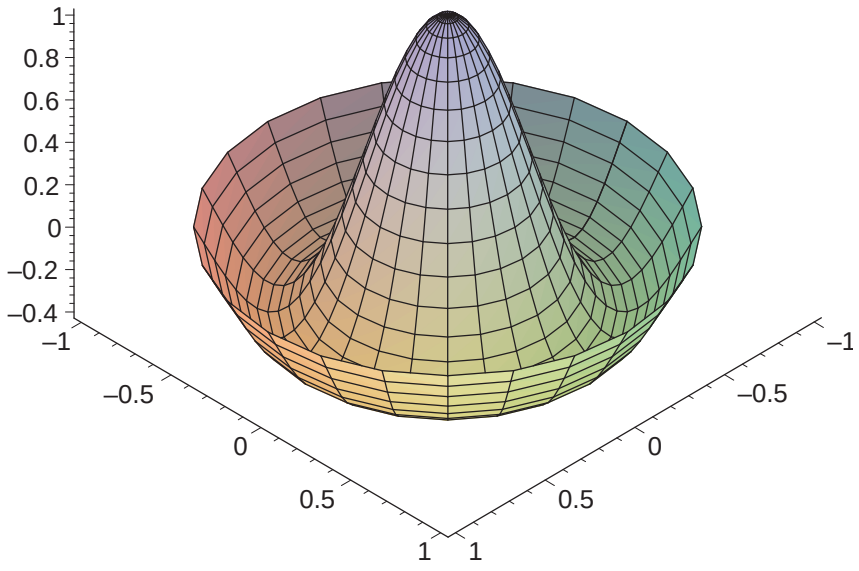
figures MAPLE

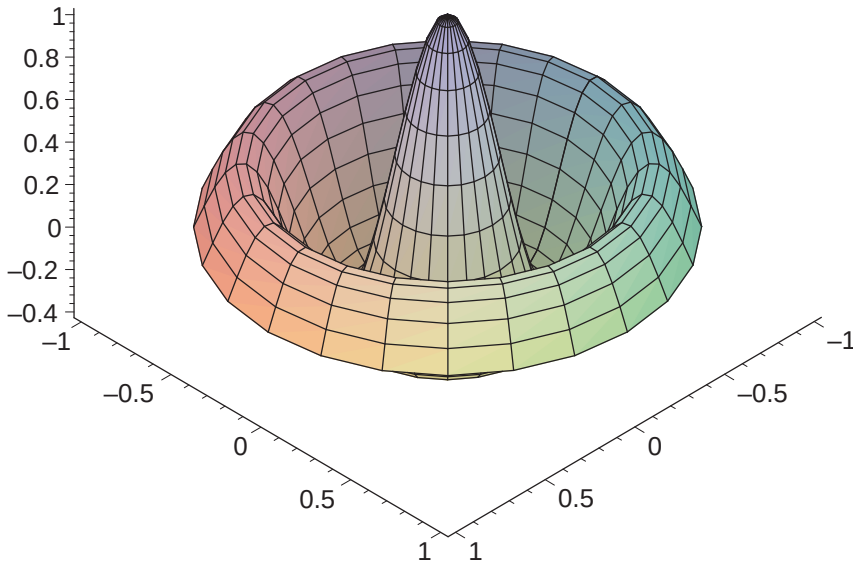
```
> alpha1:=BesselJZeros(0,1);
  v:=(r,t)→BesselJ(0,alpha1*r)*cos(alpha1*t);
  plot3d([r,theta,v(r,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,axes=frame);
```



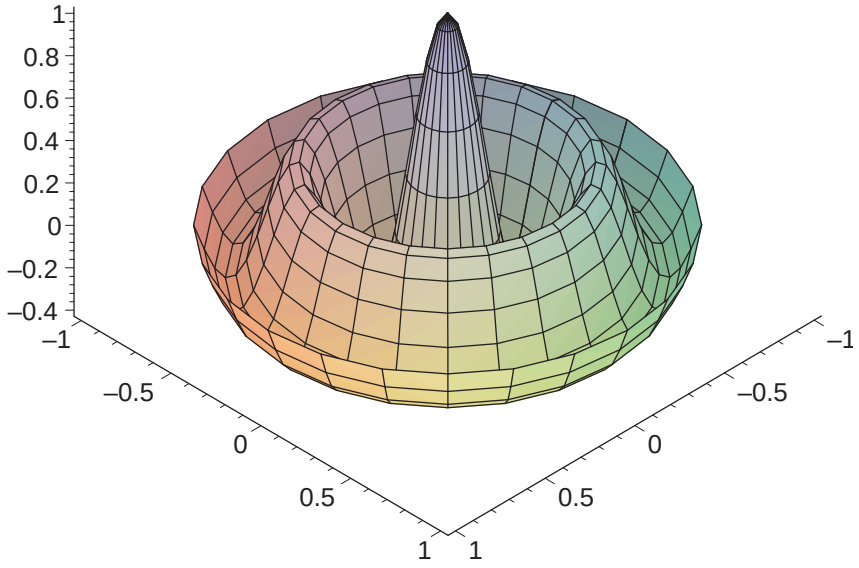

```
> alpha2:=BesselJZeros(0,2);
  v:=(r,t)→BesselJ(0,alpha2*r)*cos(alpha2*t);
  plot3d([r,theta,v(r,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,axes=frame);
```



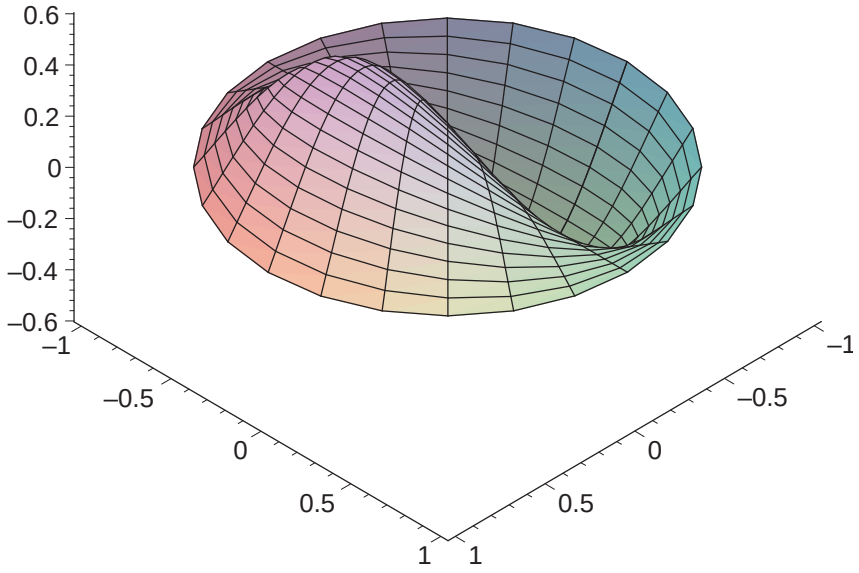

```
> alpha3:=BesselJZeros(0,3);
  v:=(r,t)→BesselJ(0,alpha3*r)*cos(alpha3*t);
  plot3d([r,theta,v(r,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,axes=frame);
```



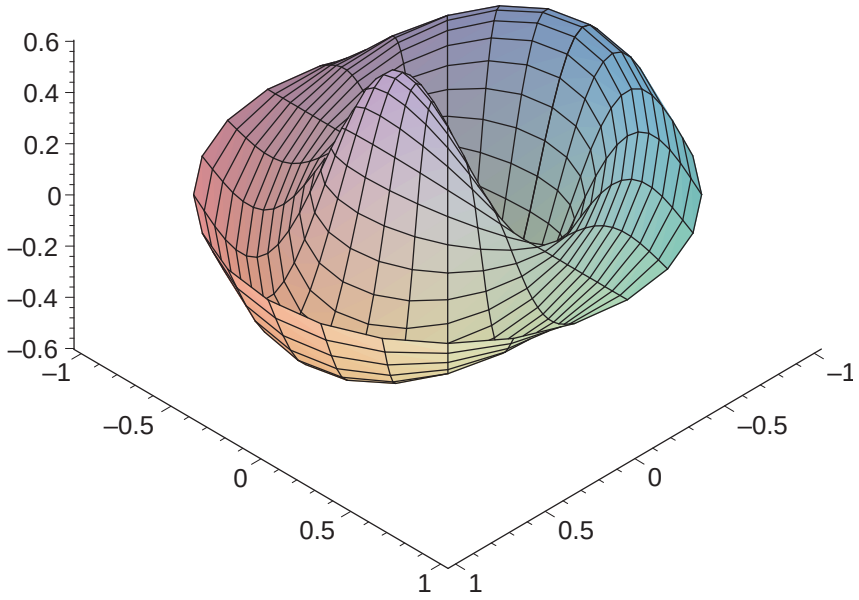

```
► alpha4:=BesselJZeros(0,4);
  v:=(r,t)→BesselJ(0,alpha4*r)*cos(alpha4*t);
  plot3d([r,theta,v(r,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,axes=frame);
```



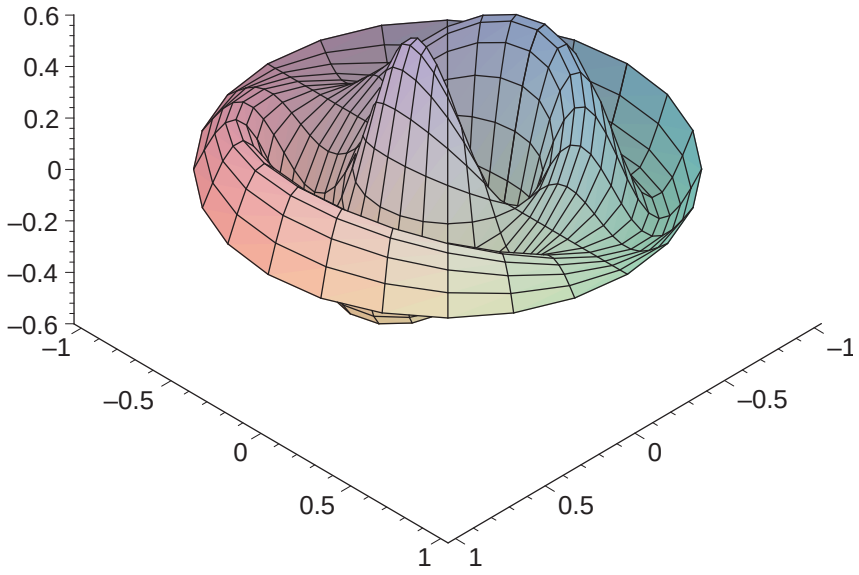

```
► alpha[1,1]:=BesselJZeros(1,1);
  u:=(r,theta,t)→BesselJ(1,alpha[1,1]*r)*cos(theta)*cos(alpha[1,1]*t);
  plot3d([r,theta,u(r,theta,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,
    axes=frame);
```



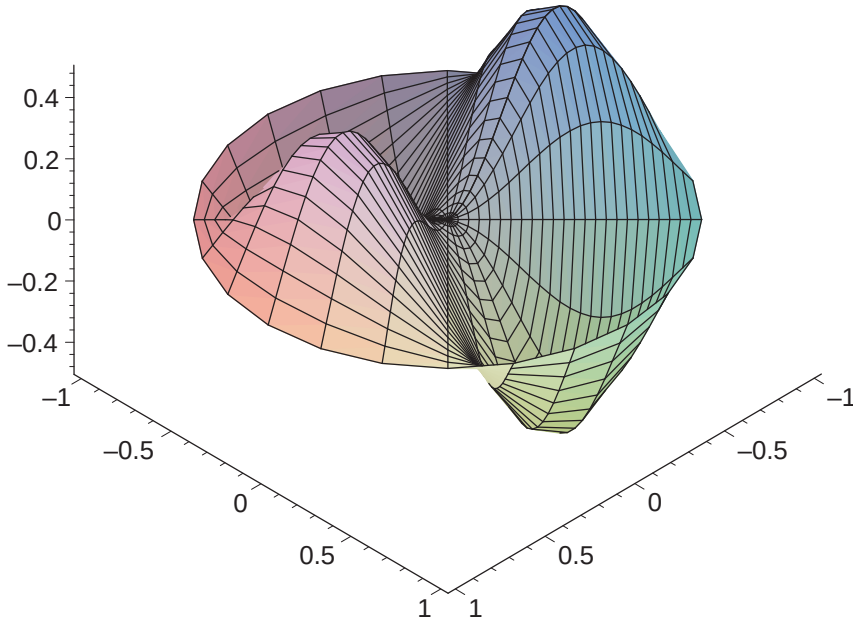

```
► alpha[1,2]:=BesselJZeros(1,2);
  u:=(r,theta,t)→BesselJ(1,alpha[1,2]*r)*cos(theta)*cos(alpha[1,2]*t);
  plot3d([r,theta,u(r,theta,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,
    axes=frame);
```



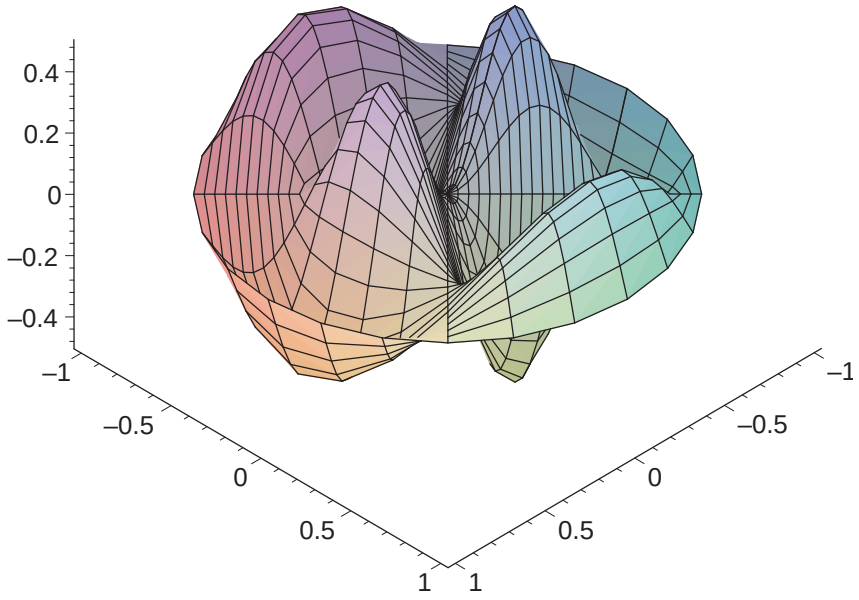

```
► alpha[1,3]:=BesselJZeros(1,3);
  u:=(r,theta,t)→BesselJ(1,alpha[1,3]*r)*cos(theta)*cos(alpha[1,3]*t);
  plot3d([r,theta,u(r,theta,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,
    axes=frame);
```




```
► alpha[2,1]:=BesselJZeros(2,1);
  u:=(r,theta,t)→BesselJ(2,alpha[2,1]*r)*cos(2*theta)*cos(alpha[2,2]*t);
  plot3d([r,theta,u(r,theta,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,
    axes=frame);
```




```
► alpha[2,2]:=BesselJZeros(2,2);
  u:=(r,theta,t)→BesselJ(2,alpha[2,2]*r)*cos(2*theta)*cos(alpha[2,2]*t);
  plot3d([r,theta,u(r,theta,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,
    axes=frame);
```




```
► alpha[2,3]:=BesselJZeros(2,3);
  u:=(r,theta,t)→BesselJ(2,alpha[2,3]*r)*cos(2*theta)*cos(alpha[2,3]*t);
  plot3d([r,theta,u(r,theta,0)],r=0..1,theta=-Pi..Pi,coords=cylindrical,
    axes=frame);
```