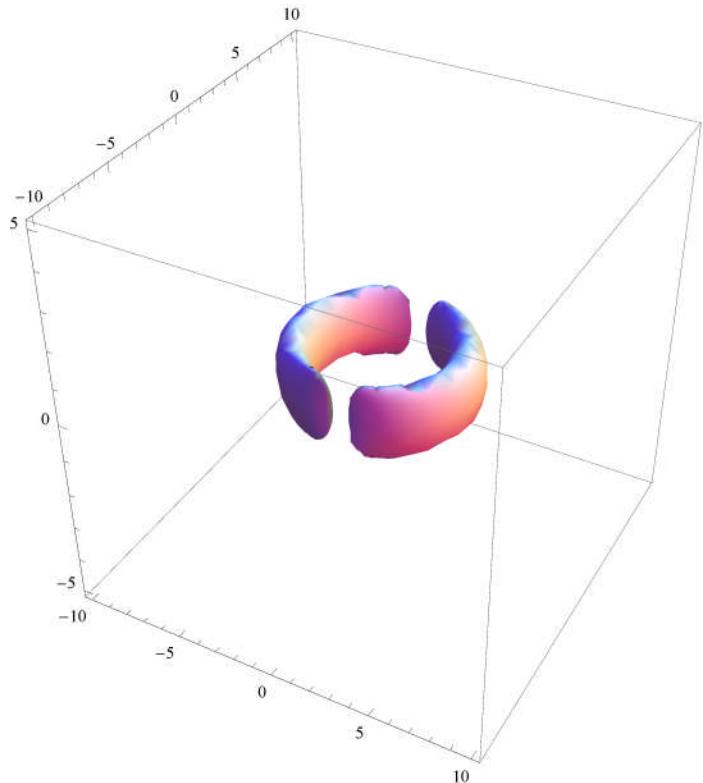


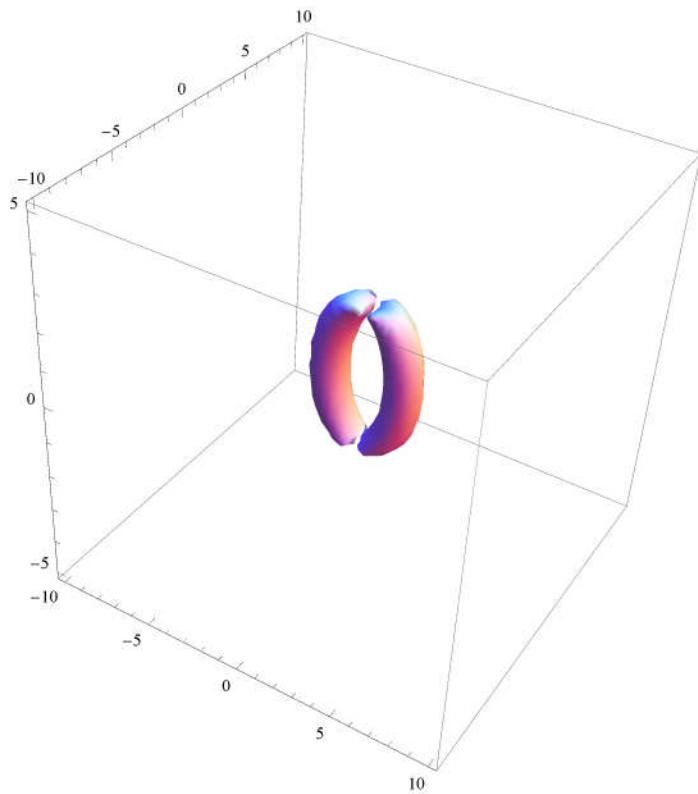
トーラスもどき

```
torusm[x_, y_, z_, r0_, r1_] := (x^2 - y^2 + z^2 + r1^2 - r0^2)^2 - 4 x^2 (r1^2 - y^2)
```

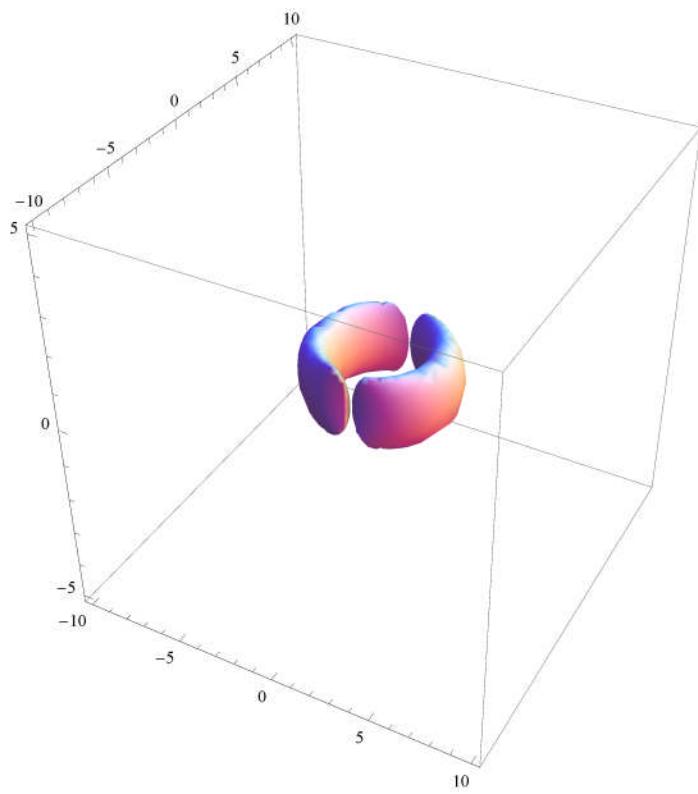
```
ContourPlot3D[{torusm[x, y, z, 1, 4] == 0}, {x, -10, 10}, {y, -10, 10}, {z, -5, 5},  
AspectRatio -> Automatic, MeshStyle -> None, WorkingPrecision -> 100]
```



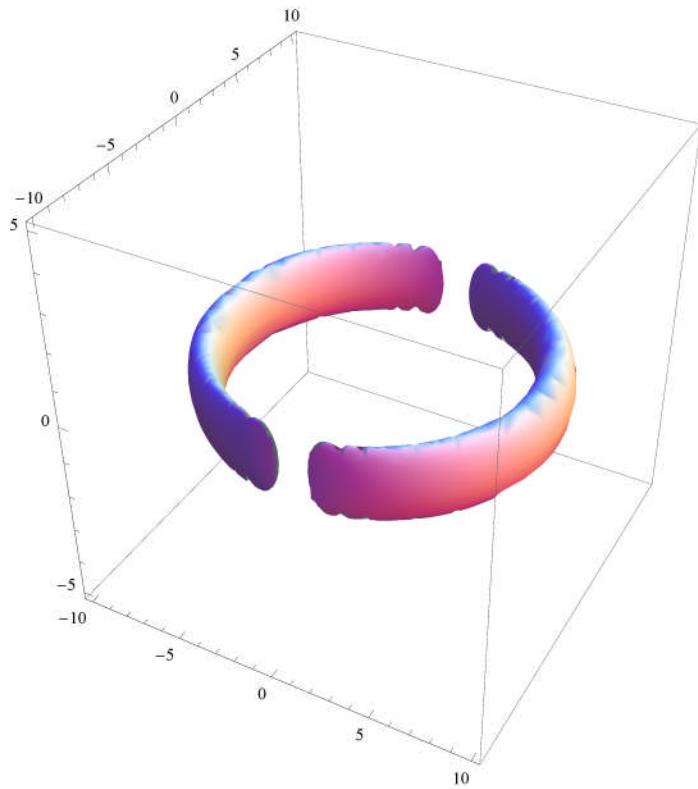
```
ContourPlot3D[{torusm[x, y, z, 2, 1] == 0}, {x, -10, 10}, {y, -10, 10}, {z, -5, 5},  
AspectRatio -> Automatic, MeshStyle -> None, WorkingPrecision -> 100]
```



```
ContourPlot3D[{torusm[x, y, z, 1, 3] == 0}, {x, -10, 10}, {y, -10, 10}, {z, -5, 5},  
AspectRatio -> Automatic, MeshStyle -> None, WorkingPrecision -> 100]
```

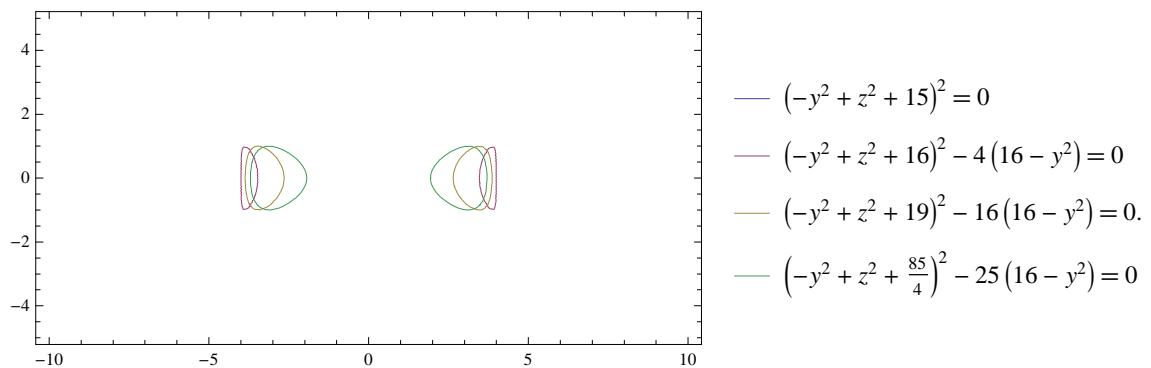


```
ContourPlot3D[{torusm[x, y, z, 1, 8] == 0}, {x, -10, 10}, {y, -10, 10}, {z, -5, 5},
AspectRatio -> Automatic, MeshStyle -> None, WorkingPrecision -> 100]
```



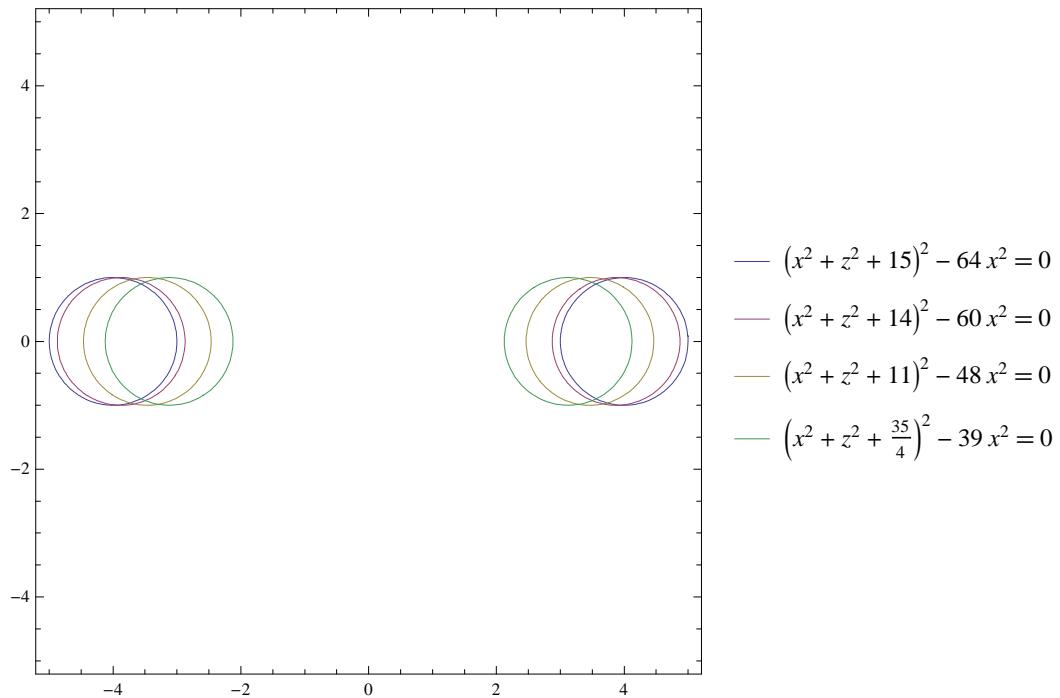
x=cによる断面図

```
ContourPlot[{torusm[0, y, z, 1, 4] == 0, torusm[-1, y, z, 1, 4] == 0,
torusm[-2, y, z, 1, 4], torusm[-5/2, y, z, 1, 4] == 0}, {y, -10, 10},
{z, -5, 5}, AspectRatio -> Automatic, PlotLegends -> "Expressions"]
```



y=cによる断面図

```
ContourPlot[{torusm[x, 0, z, 1, 4] == 0, torusm[x, -1, z, 1, 4] == 0,
  torusm[x, -2, z, 1, 4] == 0, torusm[x, -5/2, z, 1, 4] == 0}, {x, -5, 5},
  {z, -5, 5}, AspectRatio -> Automatic, PlotLegends -> "Expressions"]
```



z=0による断面図

```
ContourPlot[{torusm[x, y, 0, 1, 4] == 0}, {x, -10, 10},
  {y, -10, 10}, AspectRatio -> Automatic, PlotLegends -> "Expressions"]
```

