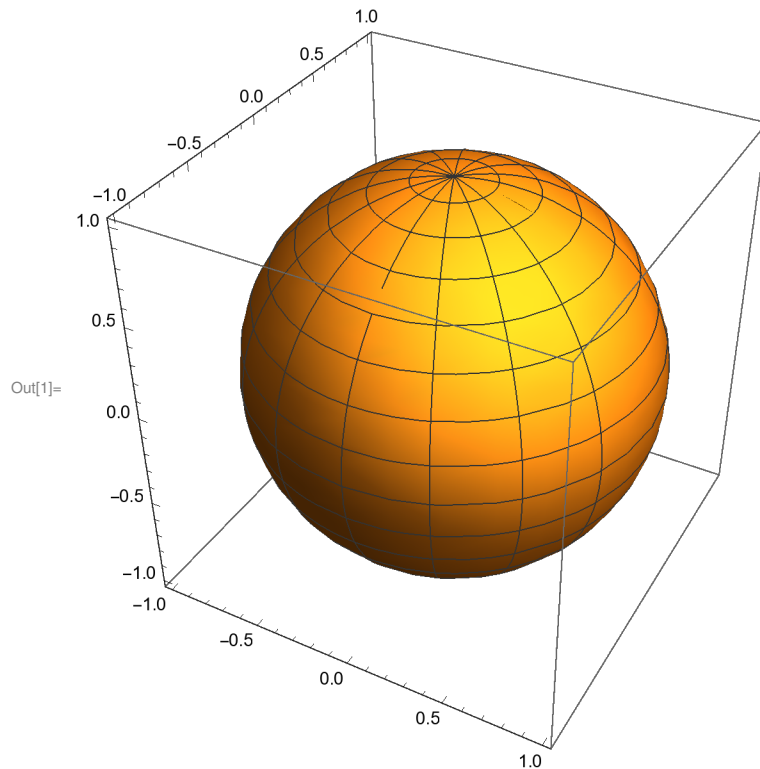


# Assignment 10

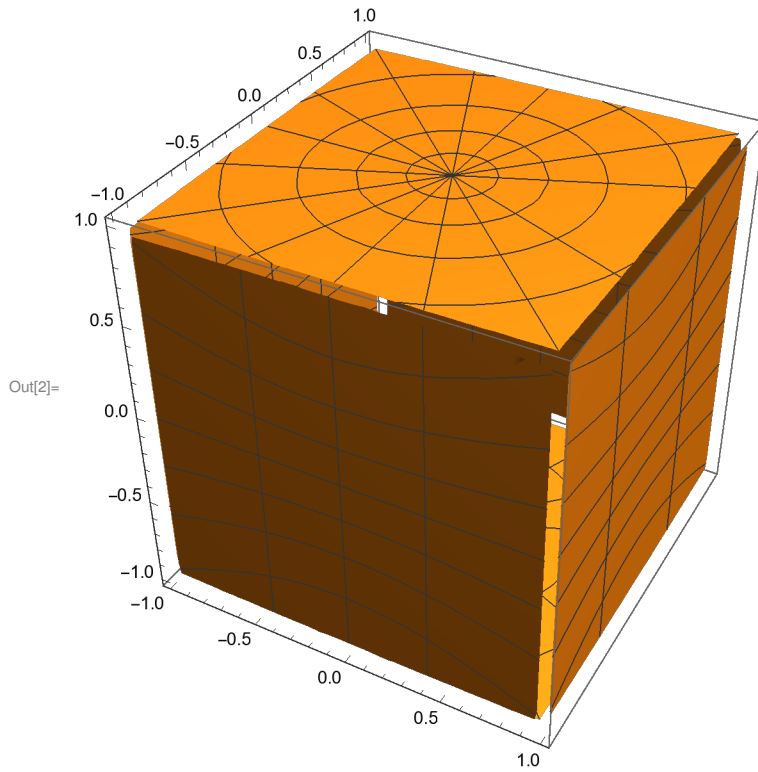
## Euclidean Ball

```
In[1]:= ParametricPlot3D[  
  {Sin[psi] Cos[t], Sin[psi] Sin[t], Cos[psi]}, {psi, 0, Pi}, {t, 0, 2 Pi}]
```



# infinity Ball

```
In[2]:= ParametricPlot3D[  
  {Sin[psi] Cos[t], Sin[psi] Sin[t], Cos[psi]} / Max[Abs[Sin[psi] Cos[t]],  
    Abs[Sin[psi] Sin[t]], Abs[Cos[psi]]], {psi, 0, Pi}, {t, 0, 2 Pi}]
```



# one ball

```
In[3]:= ParametricPlot3D[{Sin[psi] Cos[t], Sin[psi] Sin[t], Cos[psi]} /  
  (Abs[Sin[psi] Cos[t]] + Abs[Sin[psi] Sin[t]] + Abs[Cos[psi]]), {psi, 0, Pi},  
  {t, 0, 2 Pi}, Boxed -> False, Axes -> False, ViewPoint -> {1.3, 2.4, 1.}]
```

Out[3]=

