```
(* ----------------------------
                Code for Generation of STL file corresponding to z = 1/r surface,
for 3D printing the same.

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We welcome all constructive suggestions/feedback. Please feel free
 to reach us at orbitalmechanics3dprintinggroup_mh@googlegroups.com
                                        ----------------------------------------
                                ---------------------------------------------- *)
```
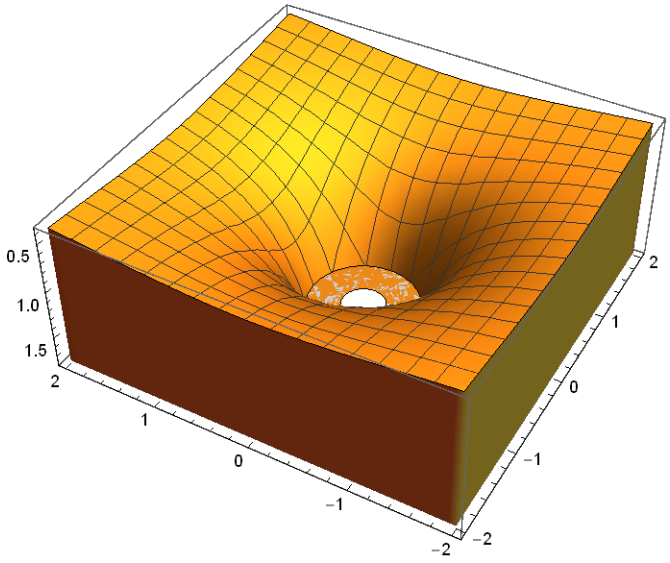

```
Obj3D = Plot3D[1 / (x^2 + y^2) ^ {1 / 2}, {x, -2, 2},
  {y, -2, 2}, RegionFunction → Function[{x, y, z}, x^2 + y^2 > 0.05],
  Filling → {1 → {Top, ColorData[97][2]}}]
```

Out[1]=



In[2]:=

```
Export["Obj3D.stl", Obj3D]
```

Out[2]= Obj3D.stl