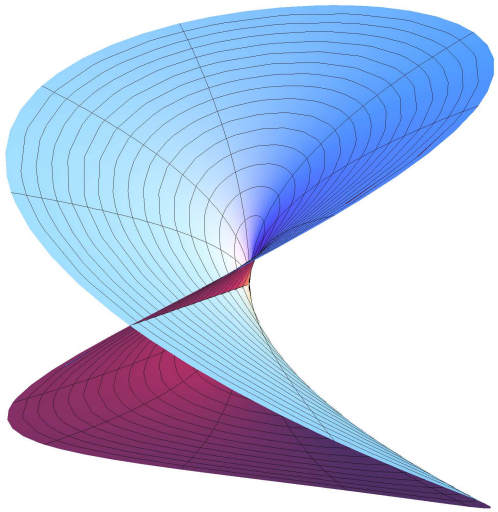
In[1]:=
```
Clear["Global`*"];
viewRootSurface[n_Integer, resolution_Integer] :=
  ParametricPlot3D[{r * Cos[θ], r * Sin[θ], r^(1/n) * Cos[θ / n]}, {r, 0, 2}, {θ, 0, 2 * n * π},
   PlotPoints → {resolution, resolution * n}, Boxed → False, Axes → False, AspectRatio → 1, ViewPoint → {-4, -2, 0.5}];
```

In[3]:=
```
viewRootSurface[2, 20]
```

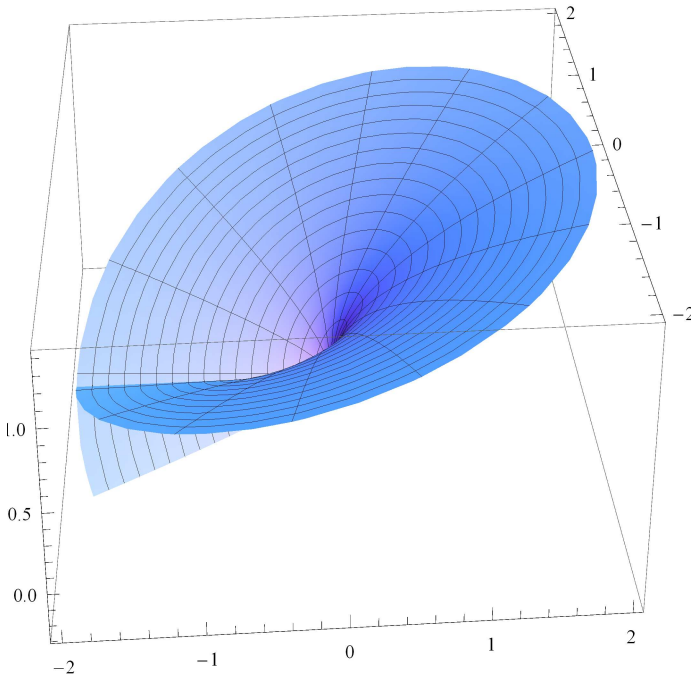
Out[3]=



In[4]:=
```
viewRootSurface4[n_Integer, resolution_Integer, θmin_, θmax_] :=
  ParametricPlot3D[{r * Cos[θ], r * Sin[θ], r^(1/n) * Cos[θ / n]}, {r, 0, 2}, {θ, θmin, θmax}, PlotPoints → {resolution, resolution * n},
   (*Boxed→False,Axes→False,*)AspectRatio → 1, ViewPoint -> {-0.196, -2.967, 1.615}];
```

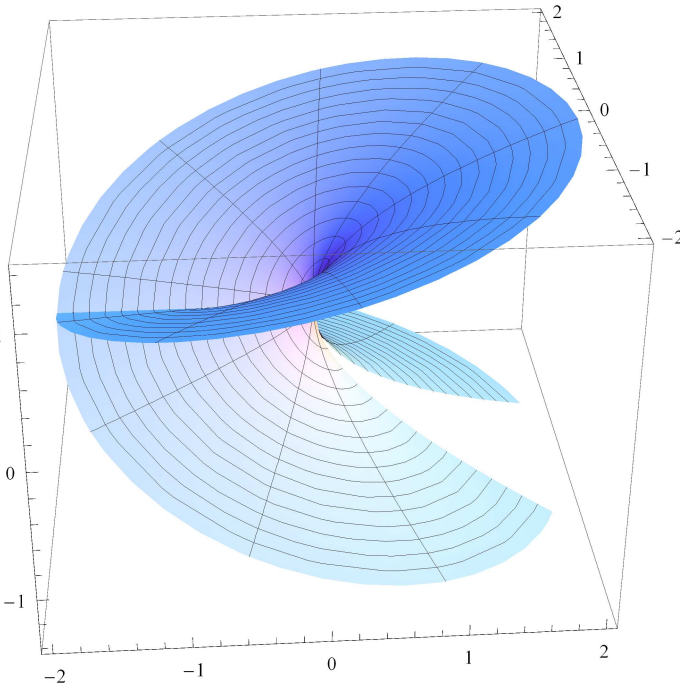
In[5]:=
```
viewRootSurface4[2, 20, -9 Pi / 8, 9 Pi / 8]
```

Out[5]=



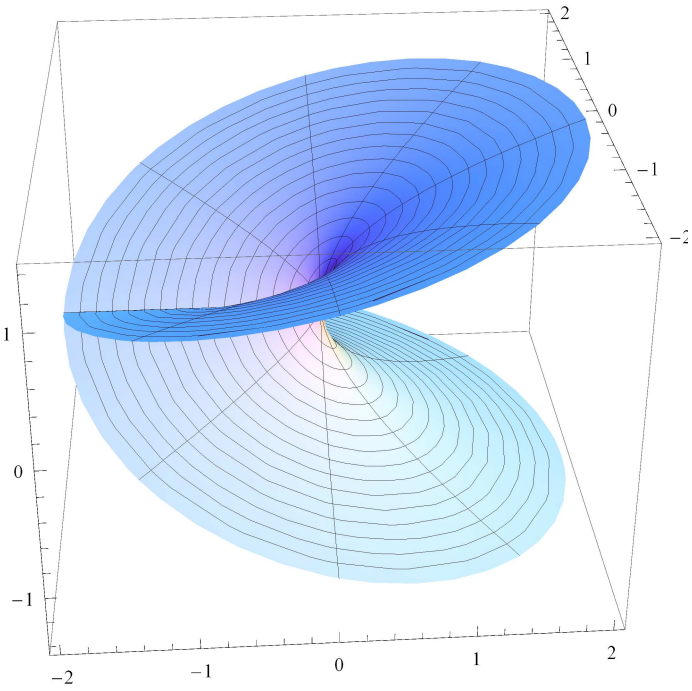
In[6]:=
```
viewRootSurface4[2, 20, -15 Pi / 8, 15 Pi / 8]
```

Out[6]=



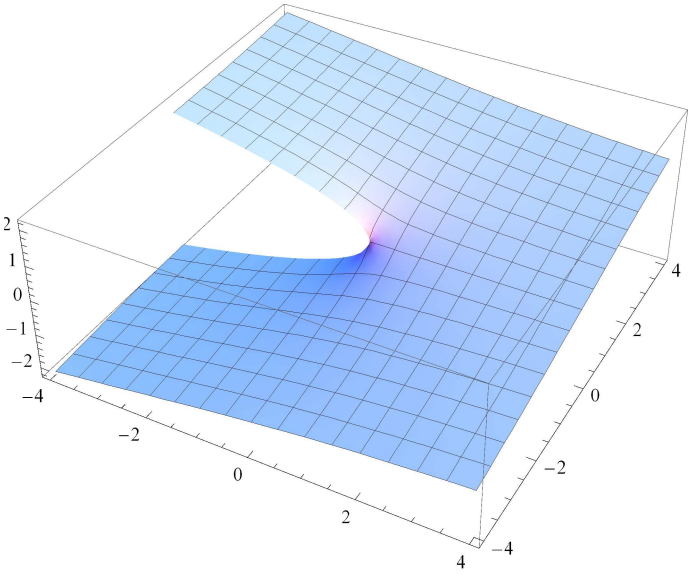
In[7]:=
```
viewRootSurface4[2, 20, -16 Pi / 8, 16 Pi / 8]
```

Out[7]=



In[8]:=
```
Plot3D[Im[Sqrt[x + I y]], {x, -4, 4}, {y, -4, 4}]
```

Out[8]=



In[9]:=
```
viewRootSurface[3, 30]
```

Out[9]=