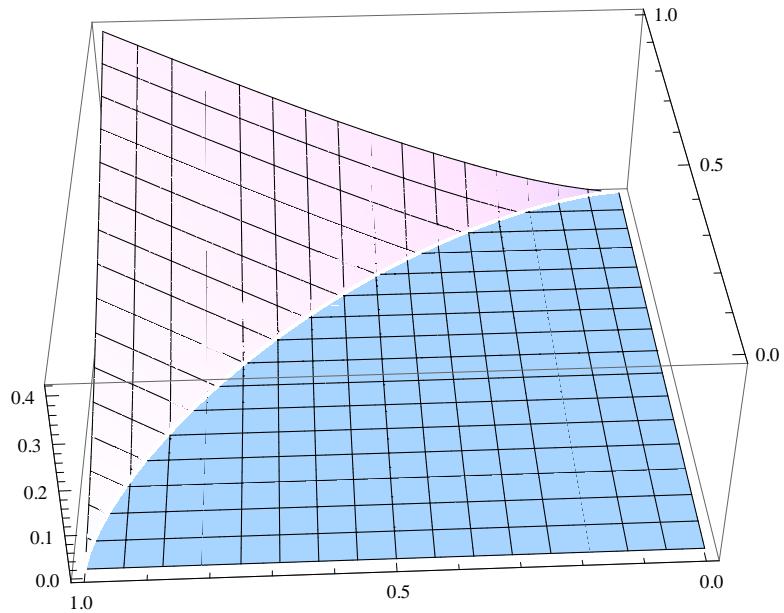


```
Plot3D[Max[0, Sqrt[(x^1.5 + y^1.5)] - 1], {x, 0, 1}, {y, 0, 1}, PlotRange -> All]
```



```
a = Table[D[Max[0, Sqrt[(x^1.5 + y^1.5)] - 1], {x, i}, {y, j}], {i, 2}, {j, 2}];  
f[b_, c_] := Simplify[Det[a]] /. x -> b /. y -> c  
Plot3D[f[x, y], {x, 0, 1}, {y, 0, 1}, PlotRange -> All]
```

