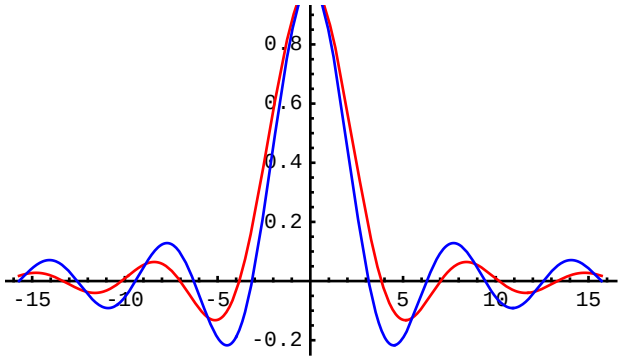
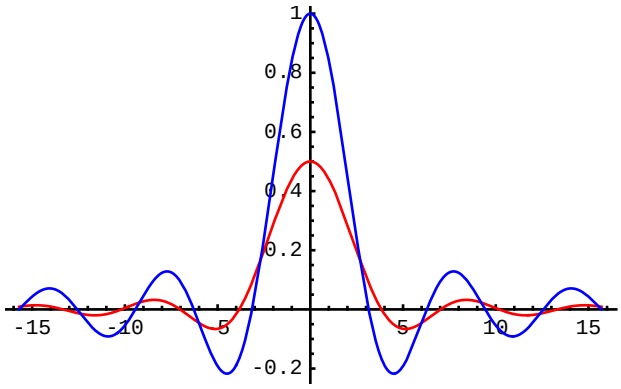
```
Plot[{2 BesselJ[1, x]/x, Sin[x]/x}, {x, -5 π, 5 π},
 PlotRange → All, PlotStyle → {RGBColor[1, 0, 0], RGBColor[0, 0, 1]}]
```



- Graphics -

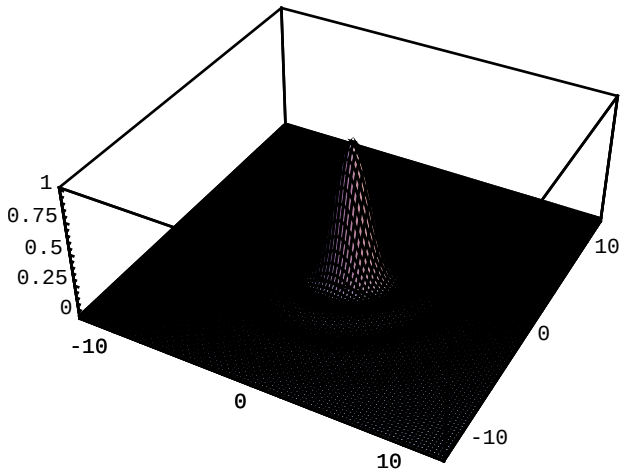
```
Plot[{BesselJ[1, x]/x, Sin[x]/x}, {x, -5 π, 5 π},
 PlotRange → All, PlotStyle → {RGBColor[1, 0, 0], RGBColor[0, 0, 1]}]
```



- Graphics -

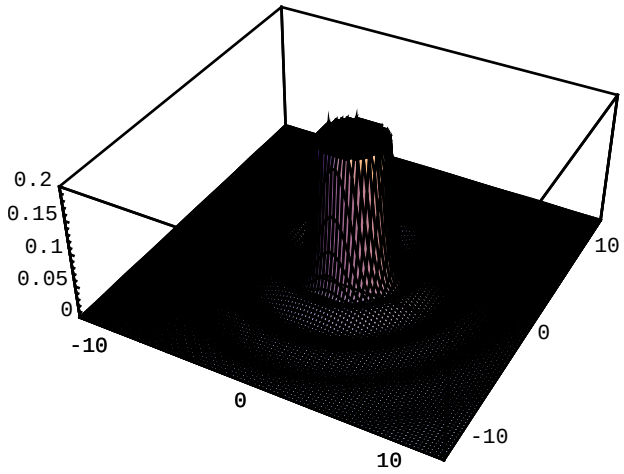
Now look at the Airy disk or Airy Pattern:

```
Plot3D[(2 BesselJ[1, Sqrt[x^2 + y^2]] / Sqrt[x^2 + y^2])^2,
 {x, -4 π, 4 π}, {y, -4 π, 4 π}, PlotPoints → 100, PlotRange → All]
```



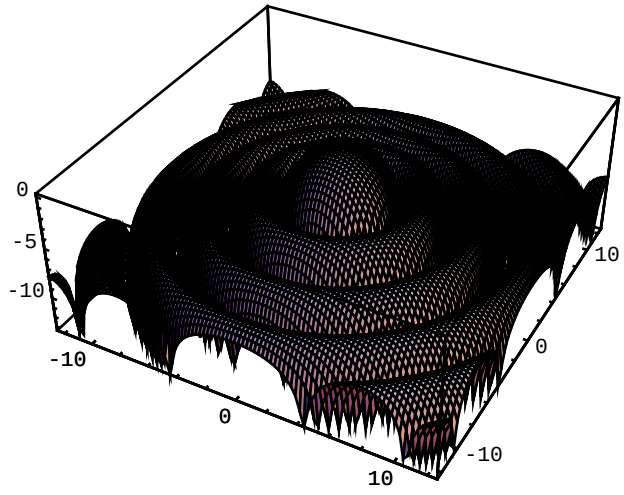
- SurfaceGraphics -

```
Plot3D[(2 BesselJ[1, Sqrt[x^2 + y^2]] / Sqrt[x^2 + y^2])^2,
 {x, -4 π, 4 π}, {y, -4 π, 4 π}, PlotPoints → 100, PlotRange → {0, 0.2}]
```



- SurfaceGraphics -

```
Plot3D[Log[(2 BesselJ[1, Sqrt[x^2 + y^2]] / Sqrt[x^2 + y^2])^2],
 {x, -4 π, 4 π}, {y, -4 π, 4 π}, PlotPoints → 100]
```



- SurfaceGraphics -