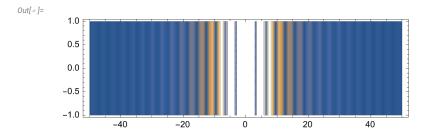
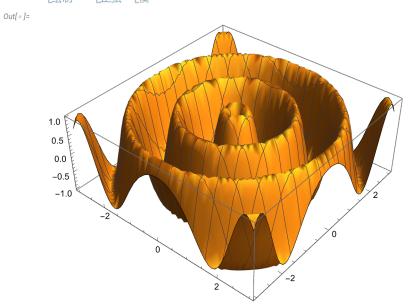
波的衍射和干涉

单缝衍射

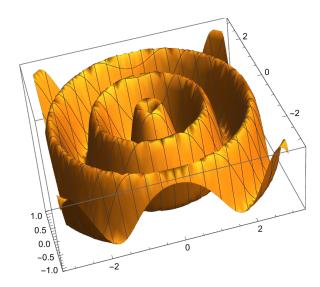
$$In[\cdot]:=$$
 DensityPlot $\left[\frac{\sin\left[u\right]^{2}}{u^{2}}$, $\{u, -50, 50\}$, $\{y, -1, 1\}$, PlotPoints \rightarrow 100, AspectRatio \rightarrow 0.3 $\left[$ 放离比



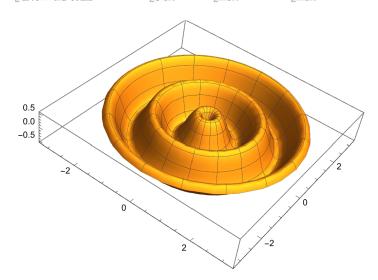
单孔衍射



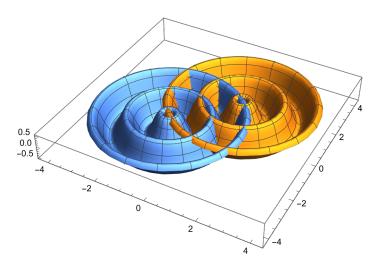
Out[•]=



Out[•]=



Out[•]=



 $\{r \cos[\theta], r \sin[\theta], 0.5 \sin[5 r]\} + \{-1, -1, 0\}\}, \{\theta, -\pi, \pi\}, \{r, 0, 3\}]$ 上弦 上弦

| DensityPlot[0.1 Sin[Norm[{x, y} - {10, 10}]] + 0.1 Sin[Norm[{x, y} - {-10, -10}] - 1], | 密度图 | 正弦 | 模

{x, -30, 30}, {y, -30, 30}, PlotPoints → 100] _绘图点

Out[•]=

