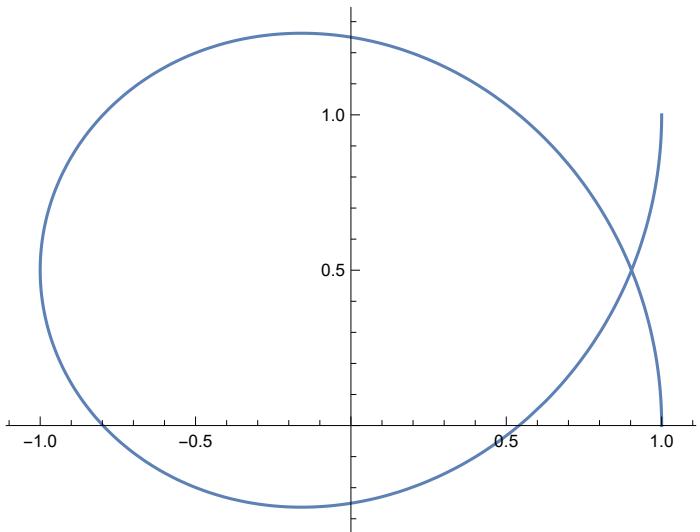


Sin[x]&Sin[y]

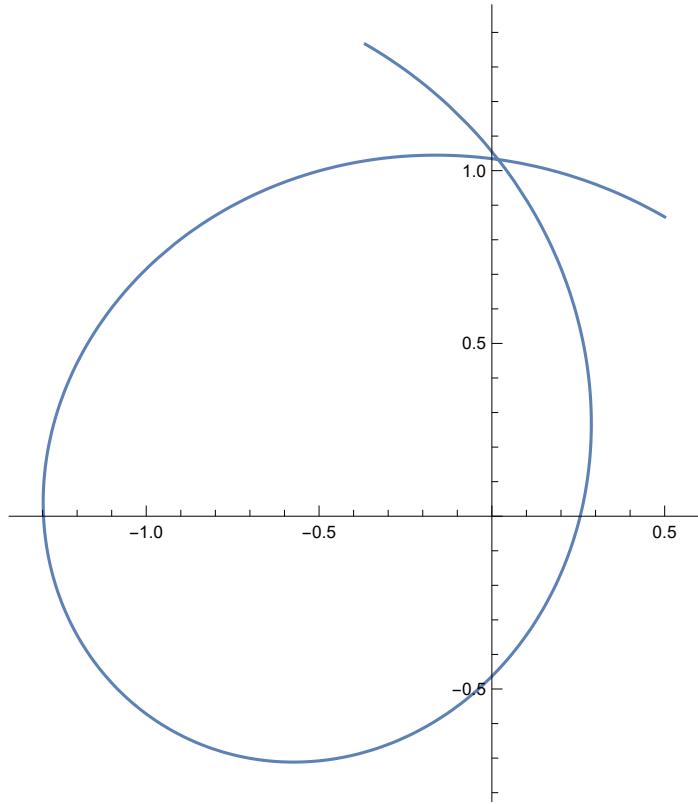
```
In[]:= Clear[x, y]
          |清除
x[v_] := Cos[v]
          |余弦
y[v_] := Sin[v] + v / (2 * Pi)
          |正弦
          |圆周率
ParametricPlot[{x[v], y[v]}, {v, 0, 2 \u03c0}]
          |绘制参数图
```

Out[]:=



In[2]:= **ParametricPlot**[($x[v] + I y[v]$) $E^{I \pi/3}$ // **ReIm**, { v , 0, 2π }]
 |绘制参数图 |虚数单位 |实部虚部列表

Out[2]=



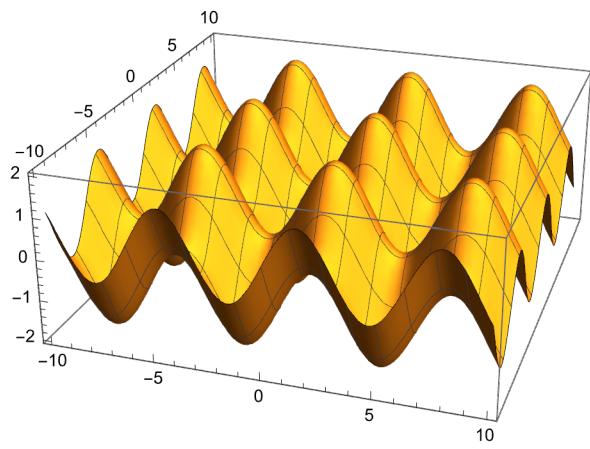
In[3]:= $\forall v, 0 < v < 2\pi \exists v_2, 0 < v_2 < 2\pi \& v \neq v_2 x[v] = x[v_2] \& y[v] + y[v_2] = 1$

Out[3]=

$$\forall v, 0 < v < 2\pi \exists v_2, 0 < v_2 < 2\pi \& v \neq v_2 \cos[v] = \cos[v_2] \& \frac{v}{2\pi} + \frac{v_2}{2\pi} + \sin[v] + \sin[v_2] = 1$$

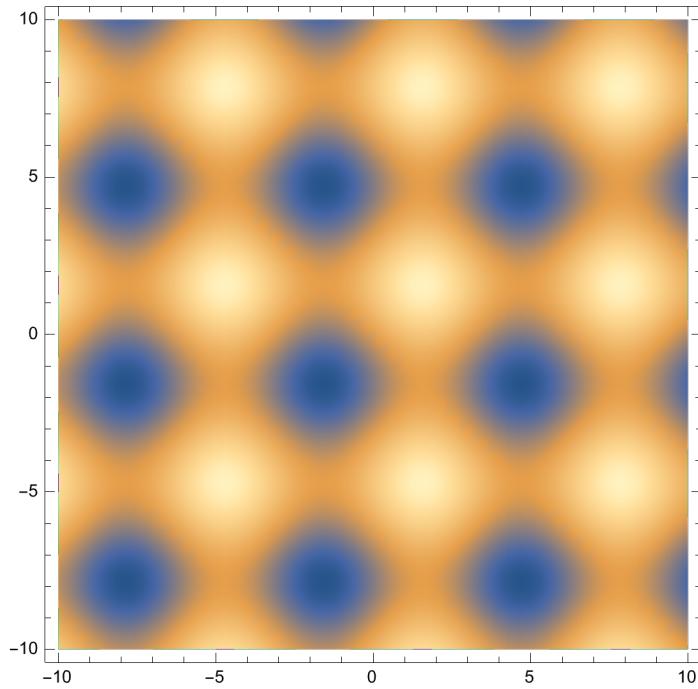
In[4]:= **Plot3D**[$\sin[x] + \sin[y]$, { x , -10, 10},
 |绘制… |正弦 |正弦
 { y , -10, 10}, **PlotPoints** \rightarrow 50, **PlotLegends** \rightarrow "Expressions"]
 |绘图点 |绘图的图例

Out[4]=



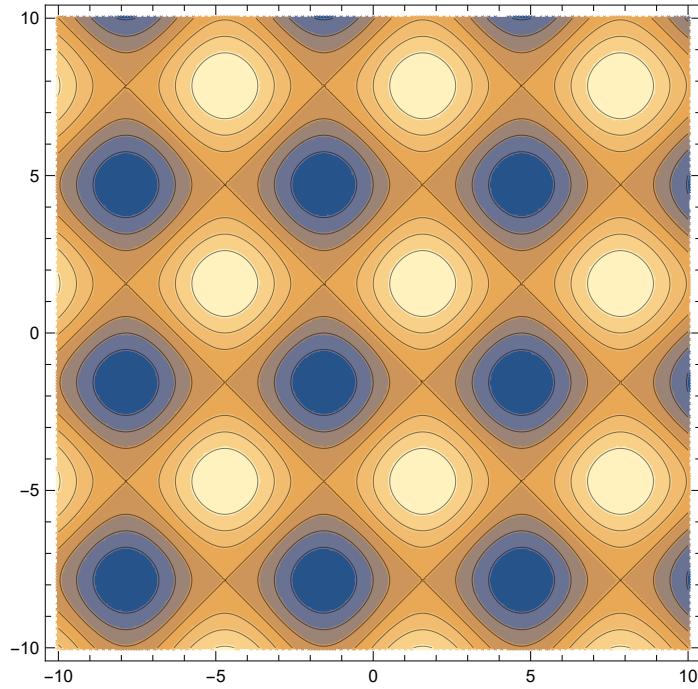
In[6]:= **DensityPlot**[Sin[x] + Sin[y], {x, -10, 10}, {y, -10, 10}, PlotPoints → 50]
 |密度图 |正弦 |正弦 |绘图点

Out[6]=

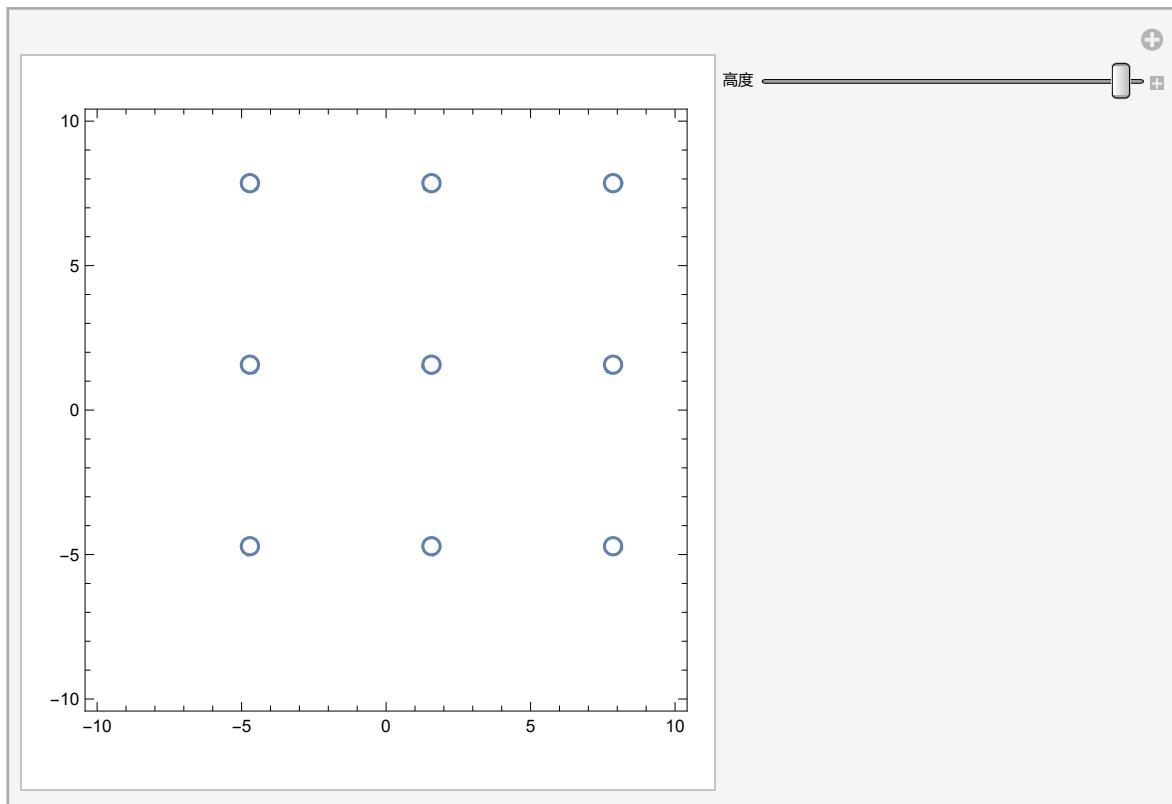


In[7]:= **ContourPlot**[Sin[x] + Sin[y], {x, -10, 10}, {y, -10, 10}, PlotPoints → 50]
 |绘制等高线 |正弦 |正弦 |绘图点

Out[7]=



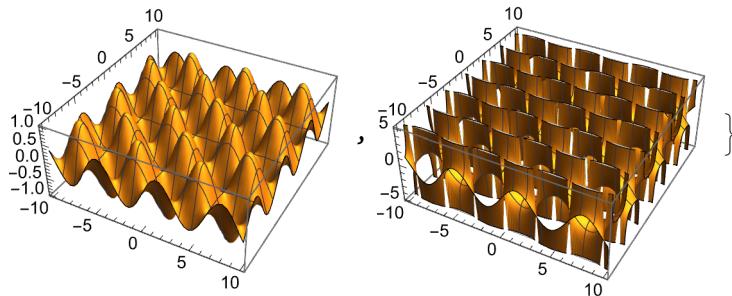
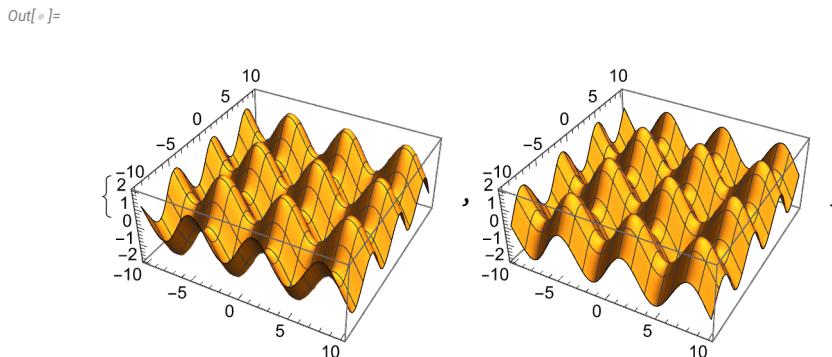
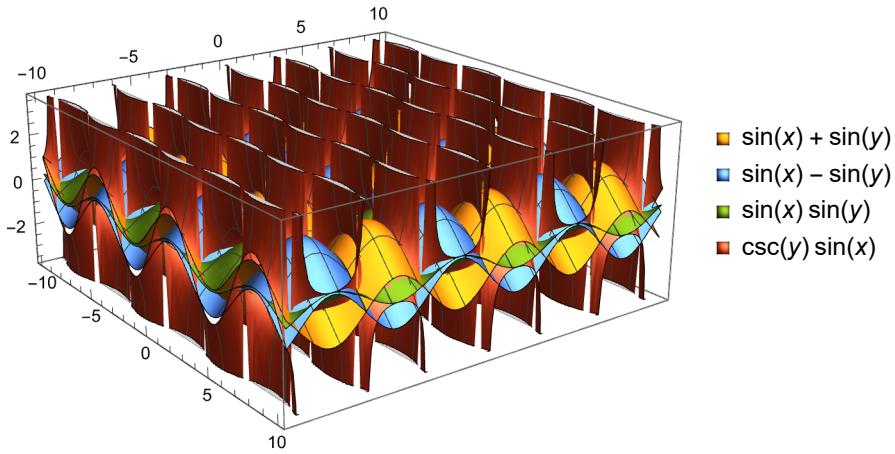
```
In[6]:= Manipulate[ContourPlot[Sin[x] + Sin[y] == v, {x, -10, 10}, {y, -10, 10}, PlotPoints → 50],  
  |交互式操作| 绘制等高线 |正弦 |正弦  
  {v, 0, "高度"}, -2, 2]  
Out[6]=
```



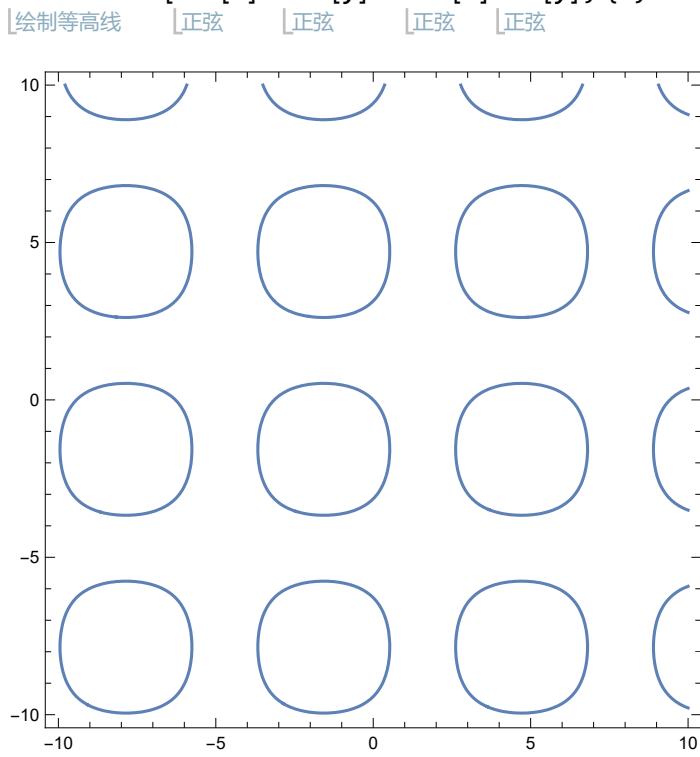
```
In[=] t = Table[Sin[x] ~s~ Sin[y], {s, {Plus, Subtract, Times, Divide}}]
          |表格|正弦|正弦|加|减|乘|除
Plot3D[t, {x, -10, 10}, {y, -10, 10}, PlotPoints → 50, PlotLegends → "Expressions"]
          |绘制三维图形|绘图点|绘图的图例
Plot3D[#, {x, -10, 10}, {y, -10, 10}, PlotPoints → 50] & /@ t
          |绘制三维图形|绘图点

Out[=]= {Sin[x] + Sin[y], Sin[x] - Sin[y], Sin[x] Sin[y], Csc[y] Sin[x]}

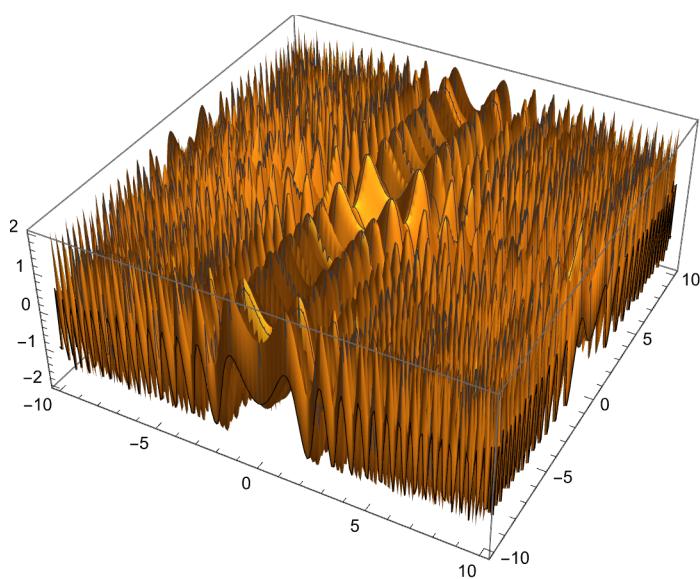
Out[=]=
```



In[6]:= `ContourPlot[Sin[x] + Sin[y] == Sin[x] Sin[y], {x, -10, 10}, {y, -10, 10}, PlotPoints → 50]`

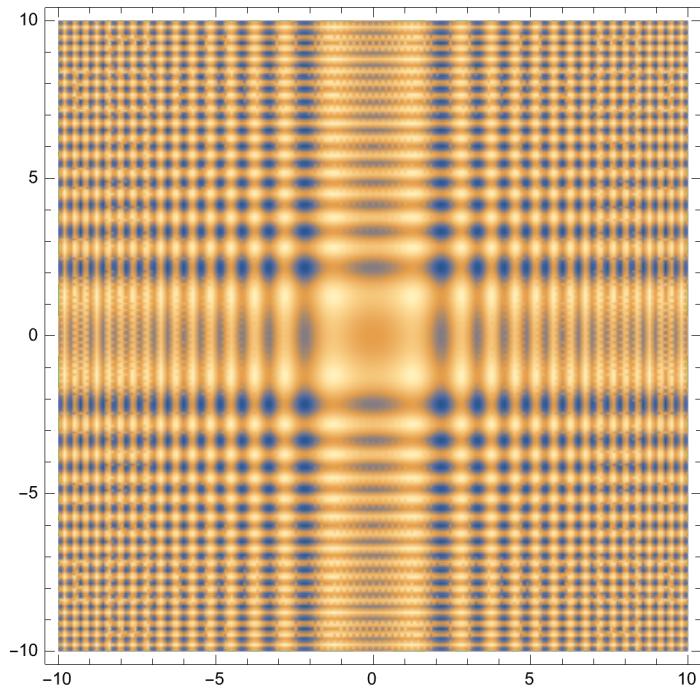


In[7]:= `Plot3D[Sin[x^2] + Sin[y^2], {x, -10, 10}, {y, -10, 10}, PlotPoints → 50]`



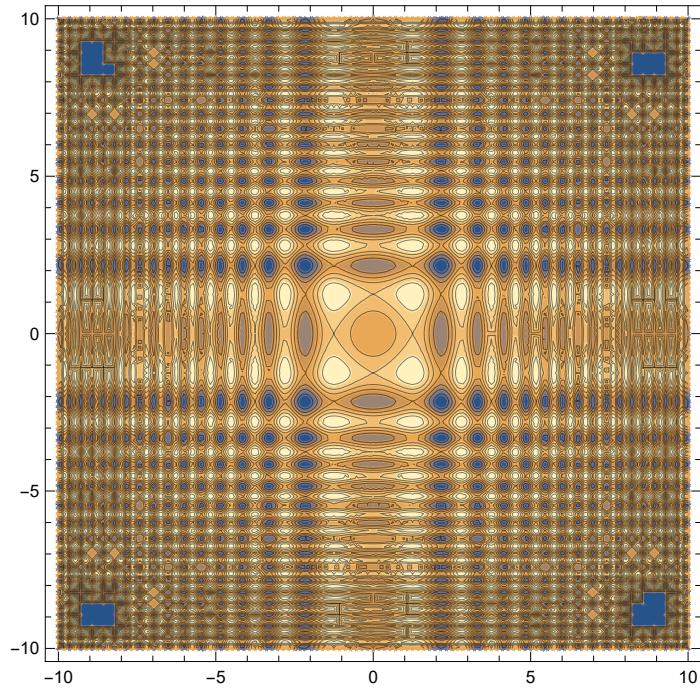
In[6]:= **DensityPlot**[$\text{Sin}[x^2] + \text{Sin}[y^2]$, {x, -10, 10}, {y, -10, 10}, PlotPoints → 50]
 密度图 正弦 正弦 绘图点

Out[6]=



In[7]:= **ContourPlot**[$\text{Sin}[x^2] + \text{Sin}[y^2]$, {x, -10, 10}, {y, -10, 10}]
 绘制等高线 正弦 正弦

Out[7]=



In[8]:= Manipulate[ContourPlot[Sin[x²] + Sin[y²] == v, {x, -10, 10}, {y, -10, 10},
交互式操作 绘制等高线 正弦 正弦
PlotPoints → 50, ContourStyle → RandomColor[]], {{v, 0, "高度"}, -2, 2}]
绘图点 等高线样式 随机颜色

Out[8]=

