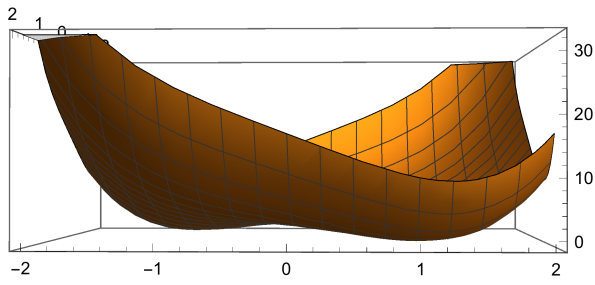
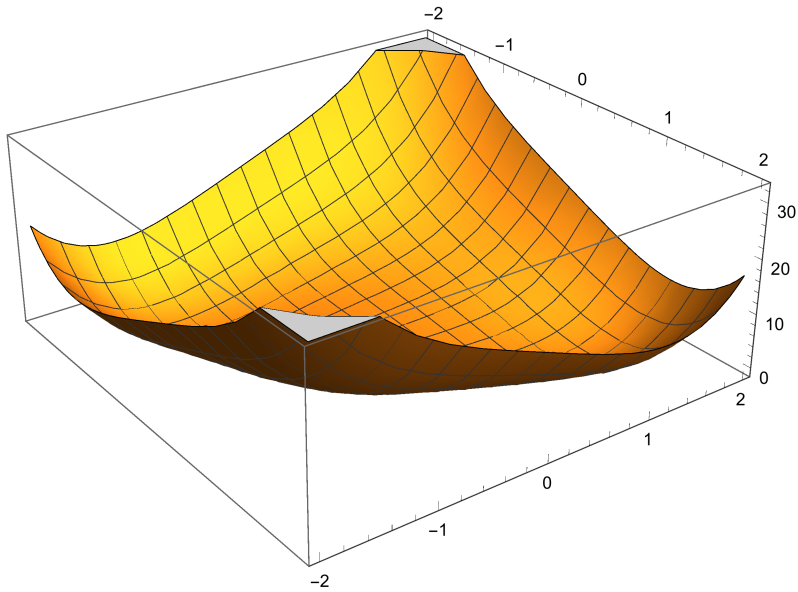


```
Plot3D[x^4+y^4-4xy+1, {x, -2, 2}, {y, -2, 2}]
```

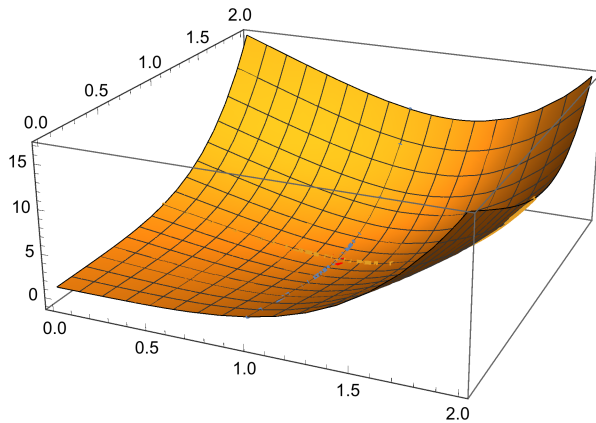


```
Show[
```

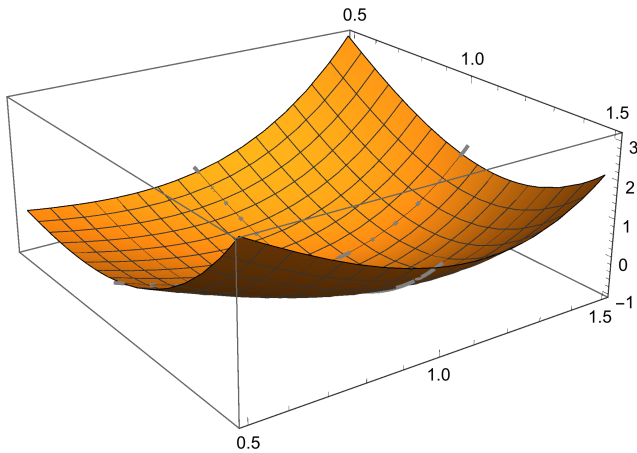
```
Plot3D[x^4+y^4-4xy+1, {x, -2, 2}, {y, -2, 2}], ListPointPlot3D[  
  {{-1, -1, 1+1-4+1}, {1, 1, 1+1-4+1}, {0, 0, 1}}, Filling -> Bottom,  
  PlotStyle -> PointSize[Large], ColorFunction -> Function[{x, y, z}, Hue[z/3]]]  
]
```



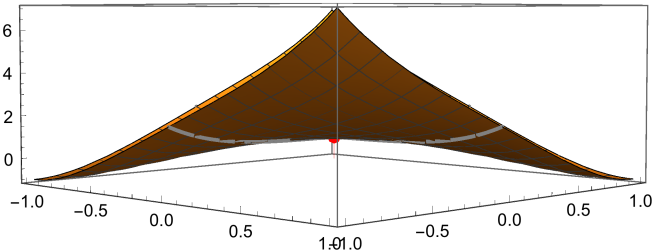
```
Show[
  Plot3D[x^4+y^4-4xy+1, {x, 0, 2}, {y, 0, 2}],
  ListPointPlot3D[{{1, 1, 1+1-4+1}}, Filling -> Bottom,
    PlotStyle -> PointSize[Large], ColorFunction -> Function[{x, y, z}, Hue[z/3]]],
  ParametricPlot3D[{{1, 1+t, 1+(1+t)^4-4(1+t)+1},
    {1+t, 1, 1+(1+t)^4-4(1+t)+1}}, {t, -1, 1}]
]
```



```
Show[
  Plot3D[x^4+y^4-4xy+1, {x, .5, 1.5}, {y, .5, 1.5}],
  ListPointPlot3D[{{1, 1, 1+1-4+1}}, Filling -> Bottom,
    PlotStyle -> PointSize[Large], ColorFunction -> Function[{x, y, z}, Hue[z/3]]],
  ParametricPlot3D[{{1, 1+t, 1+(1+t)^4-4(1+t)+1},
    {1+t, 1, 1+(1+t)^4-4(1+t)+1}}, {t, -1, 1}, ColorFunction -> Function[{x, y, z}, .5]]
]
```



```
Show[
  Plot3D[x^4+y^4-4xy+1, {x, -1, 1}, {y, -1, 1}],
  ListPointPlot3D[{{0, 0, 1}}, Filling -> Bottom,
    PlotStyle -> PointSize[Large], ColorFunction -> Function[{x, y, z}, Hue[z/3]]],
  ParametricPlot3D[{{0, t, (t)^4+1}, {t, 0, (t)^4+1}},
    {t, -1, 1}, ColorFunction -> Function[{x, y, z}, .5]]
]
```



```
Show[
  Plot3D[x^4+y^4-4xy+1, {x, -1, 1}, {y, -1, 1}],
  ListPointPlot3D[{{0, 0, 1}}, Filling -> Bottom,
    PlotStyle -> PointSize[Large], ColorFunction -> Function[{x, y, z}, Hue[z/3]]],
  ParametricPlot3D[{{0, t, (t)^4+1}, {t, 0, (t)^4+1}},
    {t, -1, 1}, ColorFunction -> Function[{x, y, z}, .5]],
  ParametricPlot3D[{t, t, t^4 + (t)^4 - 4t^2 + 1}, {t, -1, 1},
    ColorFunction -> Function[{x, y, z}, .1]]
]
```

