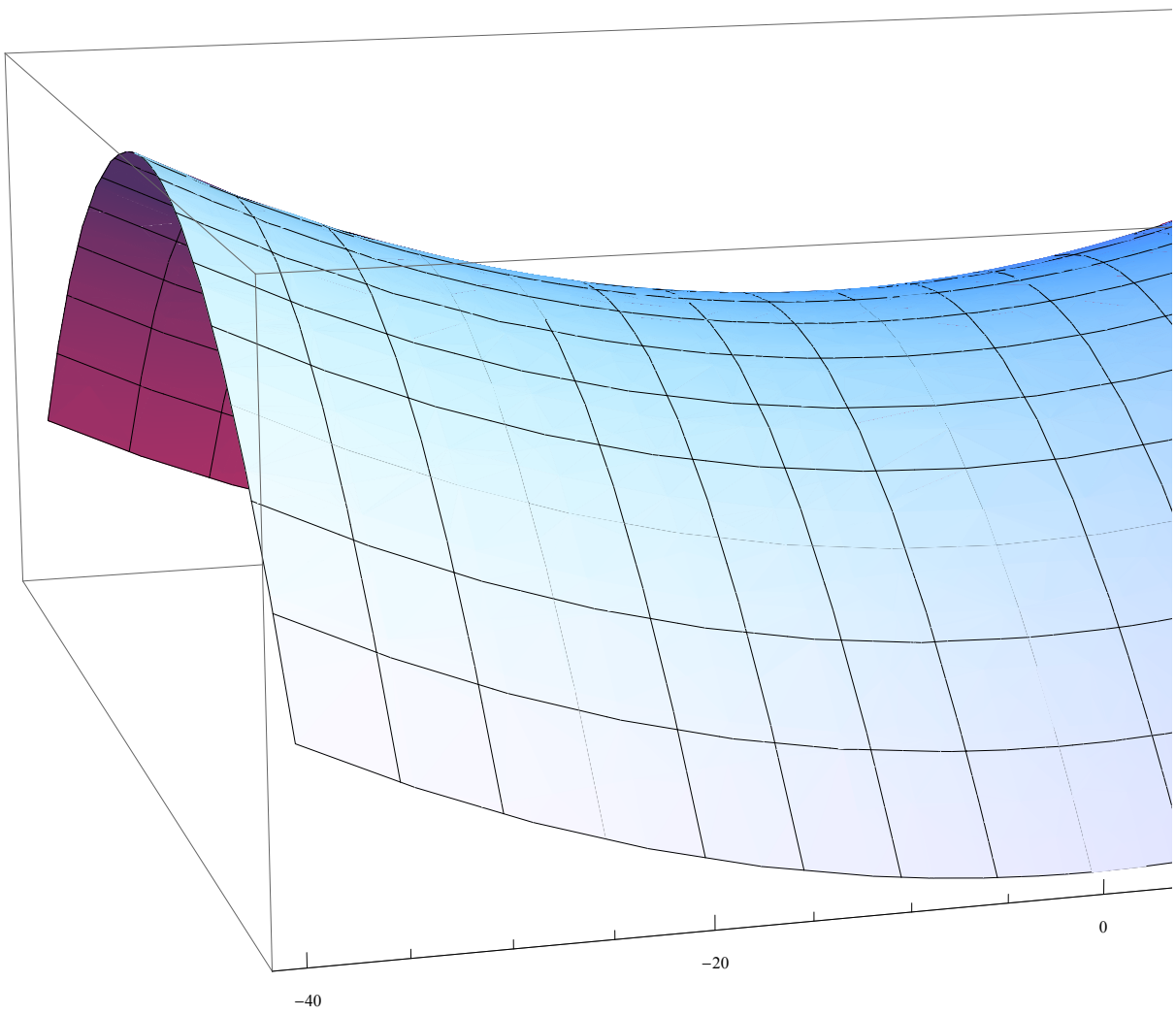
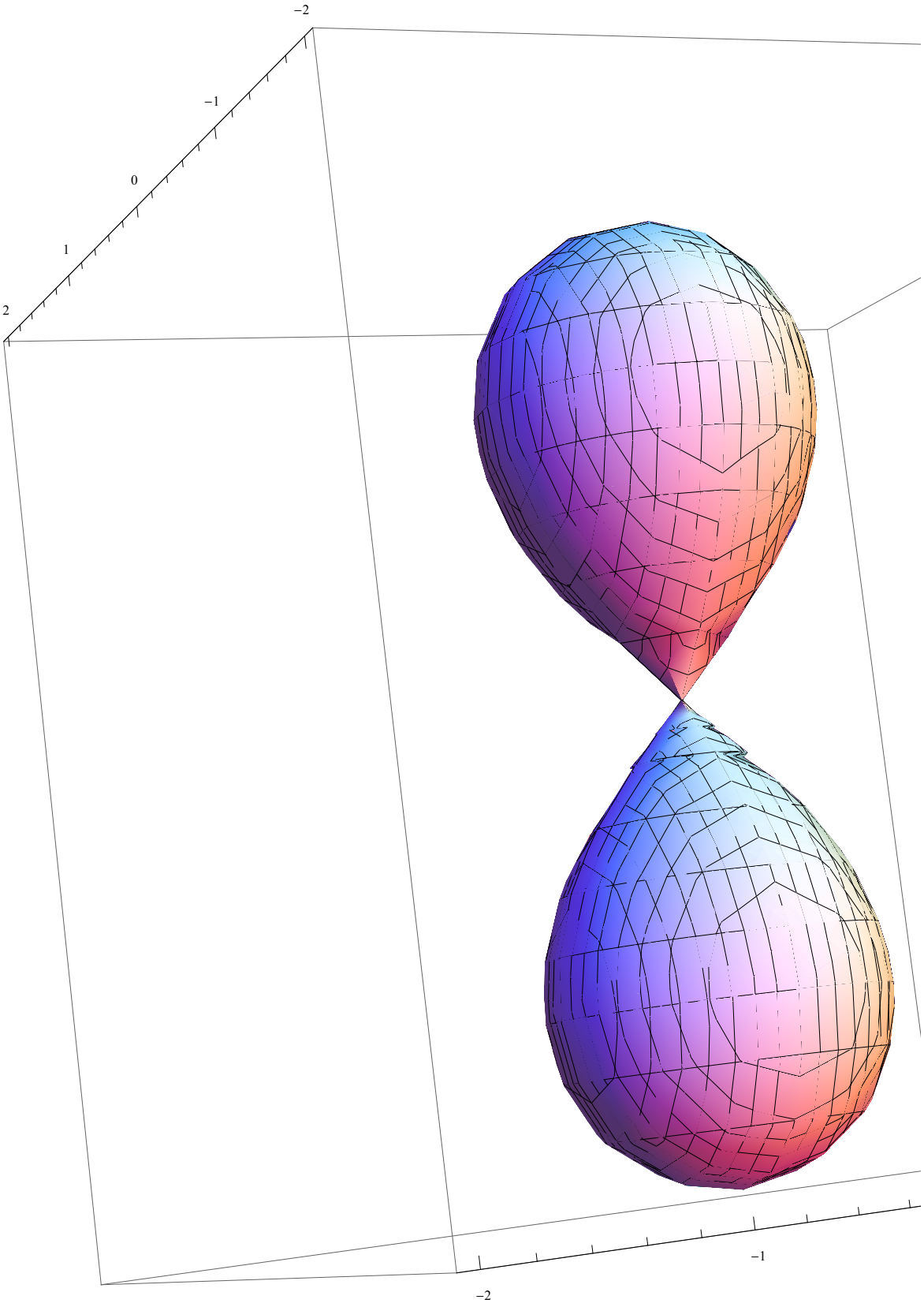
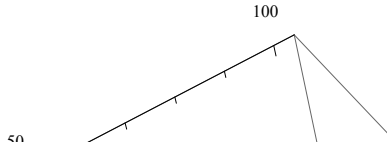
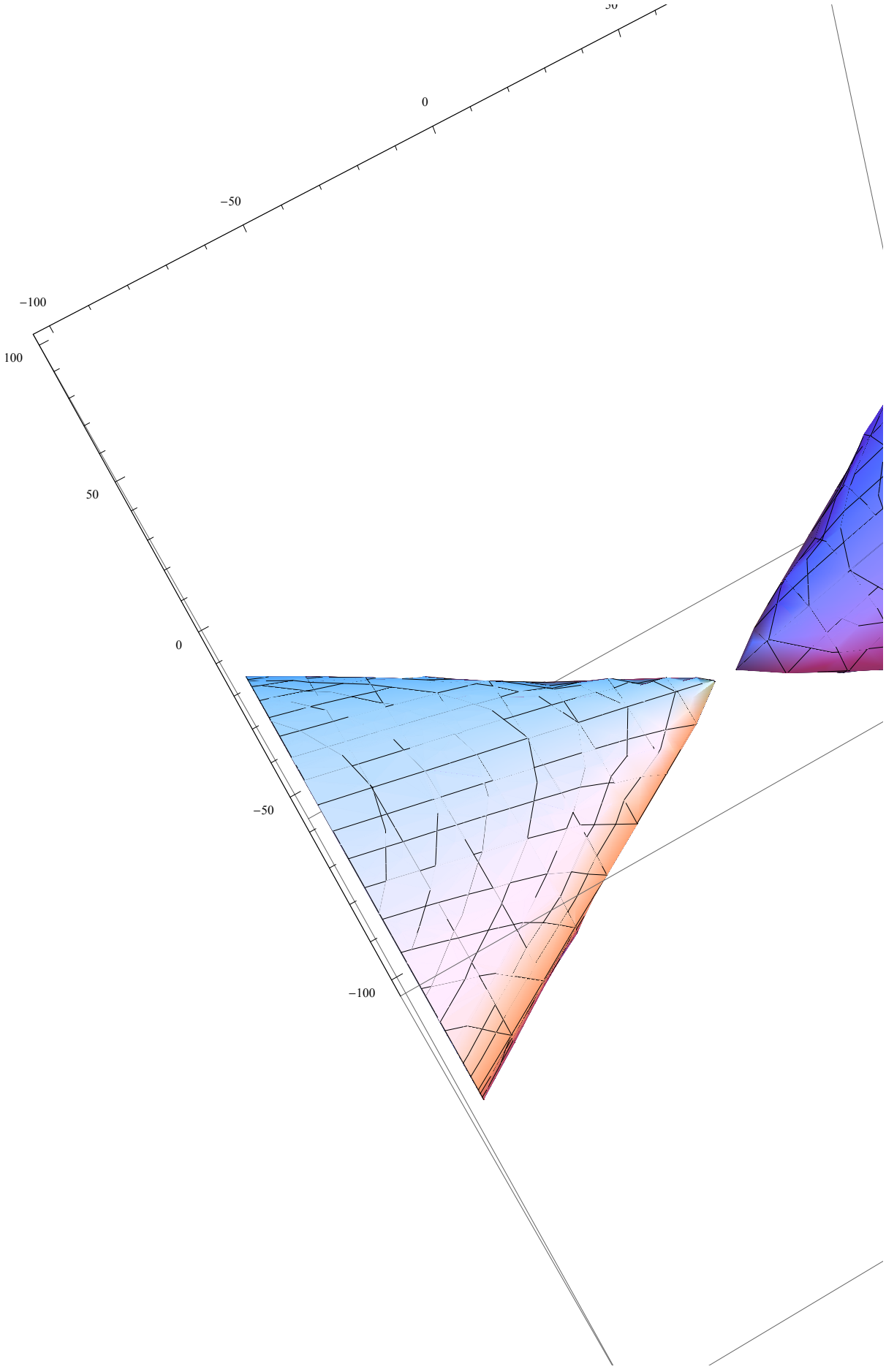
```
Plot3D[x^2 / 9 - y^2 / 4, {x, -40, 40}, {y, -40, 40}]
```



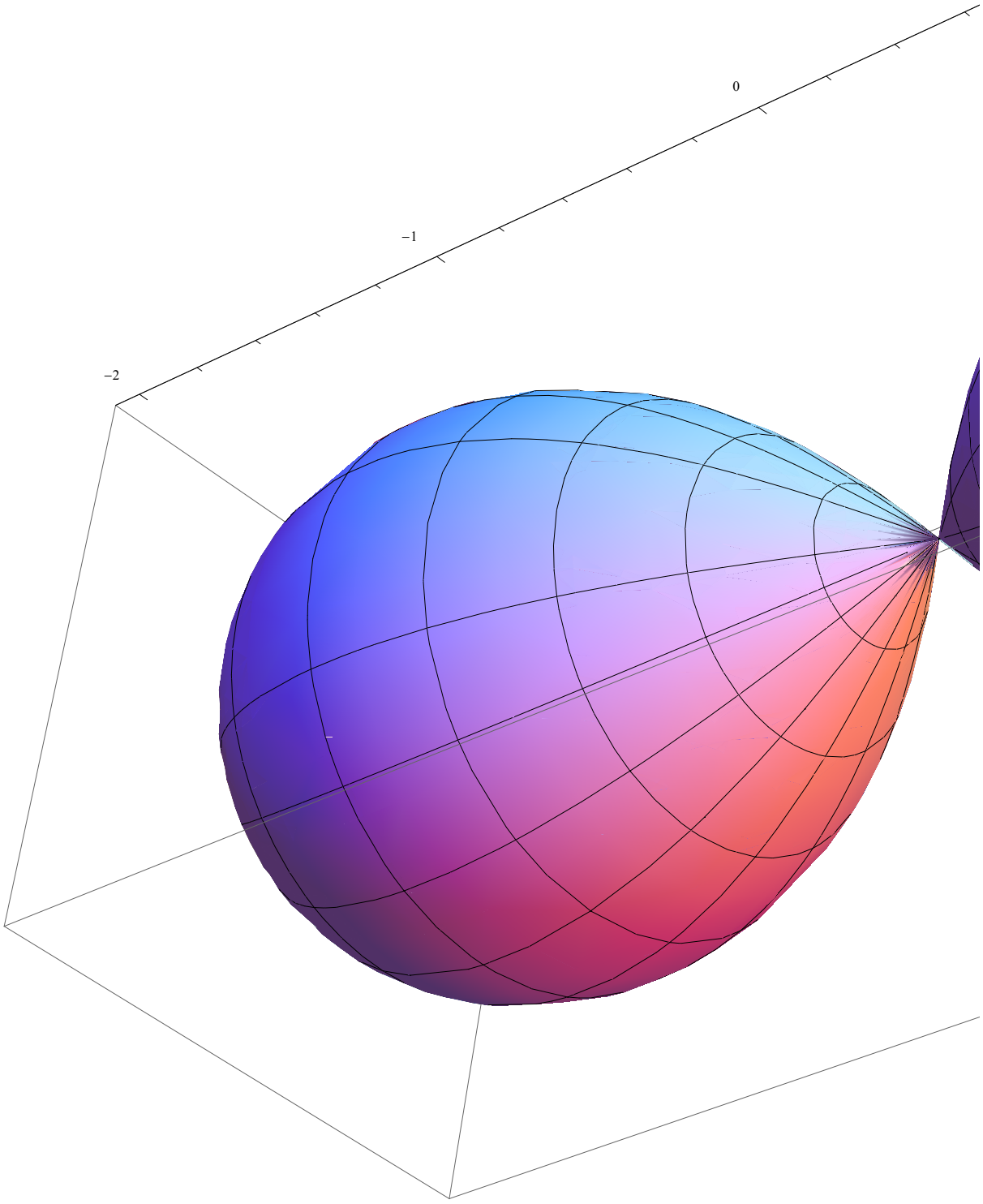

```
ContourPlot3D[(x^2 + y^2 + z^2)^2 - 4 (z^2 - x^2 - y^2) == 0,
 {x, -2, 2}, {y, -2, 2}, {z, -2, 2}]
```


−2
−1
0
1
2
−2
−1

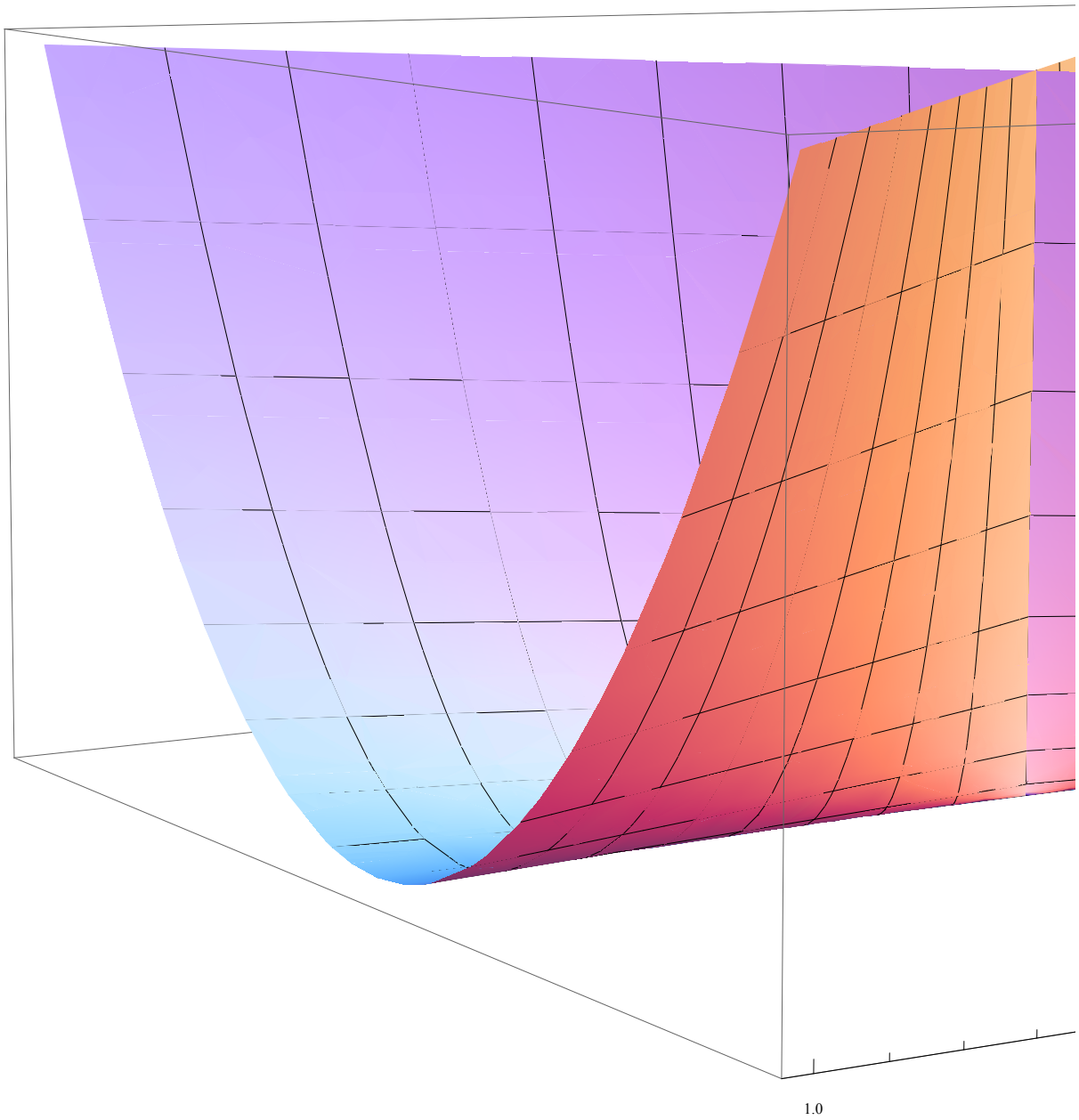

100
50


0
−50
−100
100
50
0
−50
−100

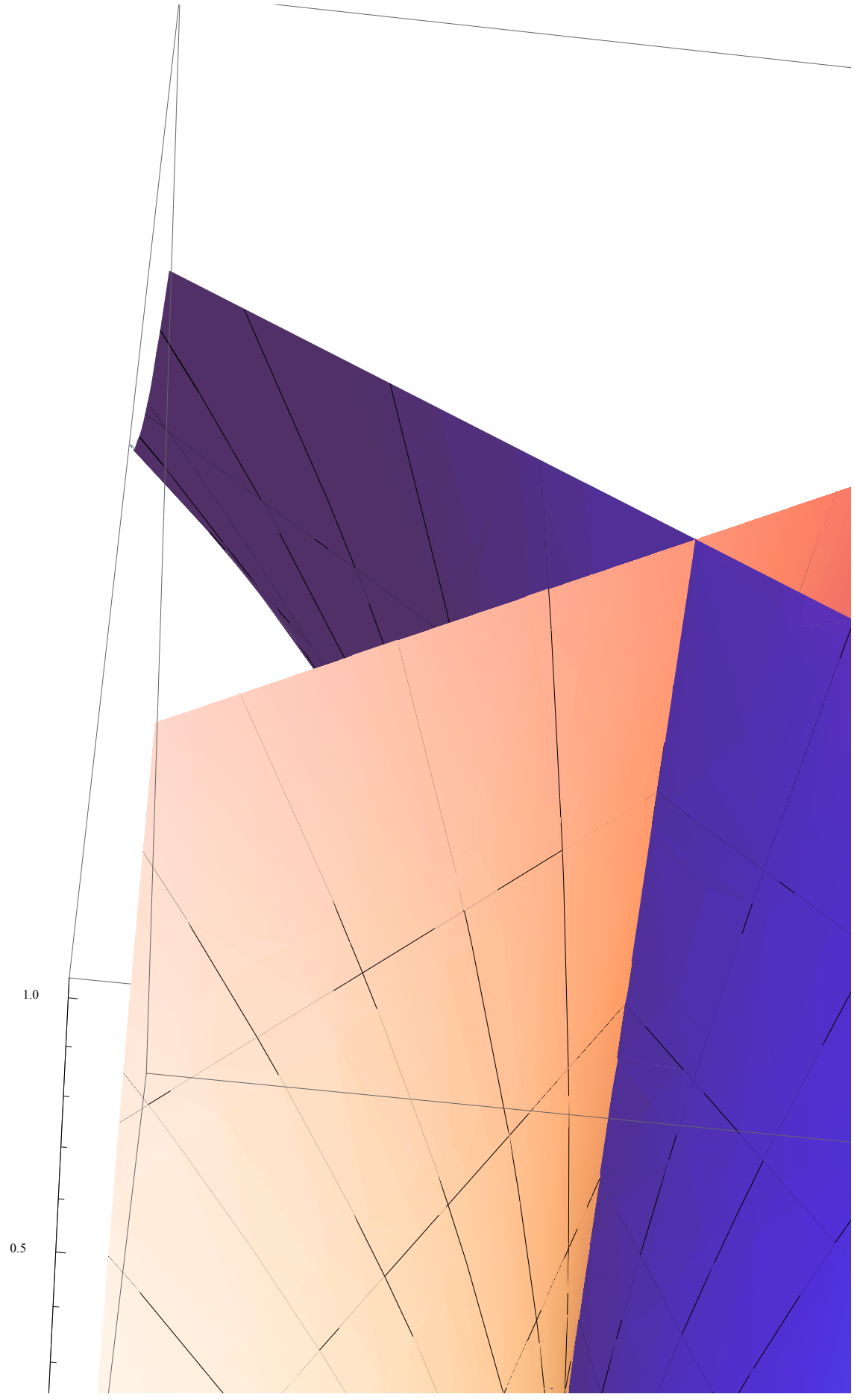
```
ParametricPlot3D[{2 Sin[u] * Cos[u] * Cos[v] / (1 + (Sin[u]) ^ 2),
  2 Sin[u] * Cos[u] * Sin[v] / (1 + (Sin[u]) ^ 2),
  2 Cos[u] / (1 + (Sin[u]) ^ 2)}, {u, 0, Pi}, {v, 0, 2 Pi}]
```

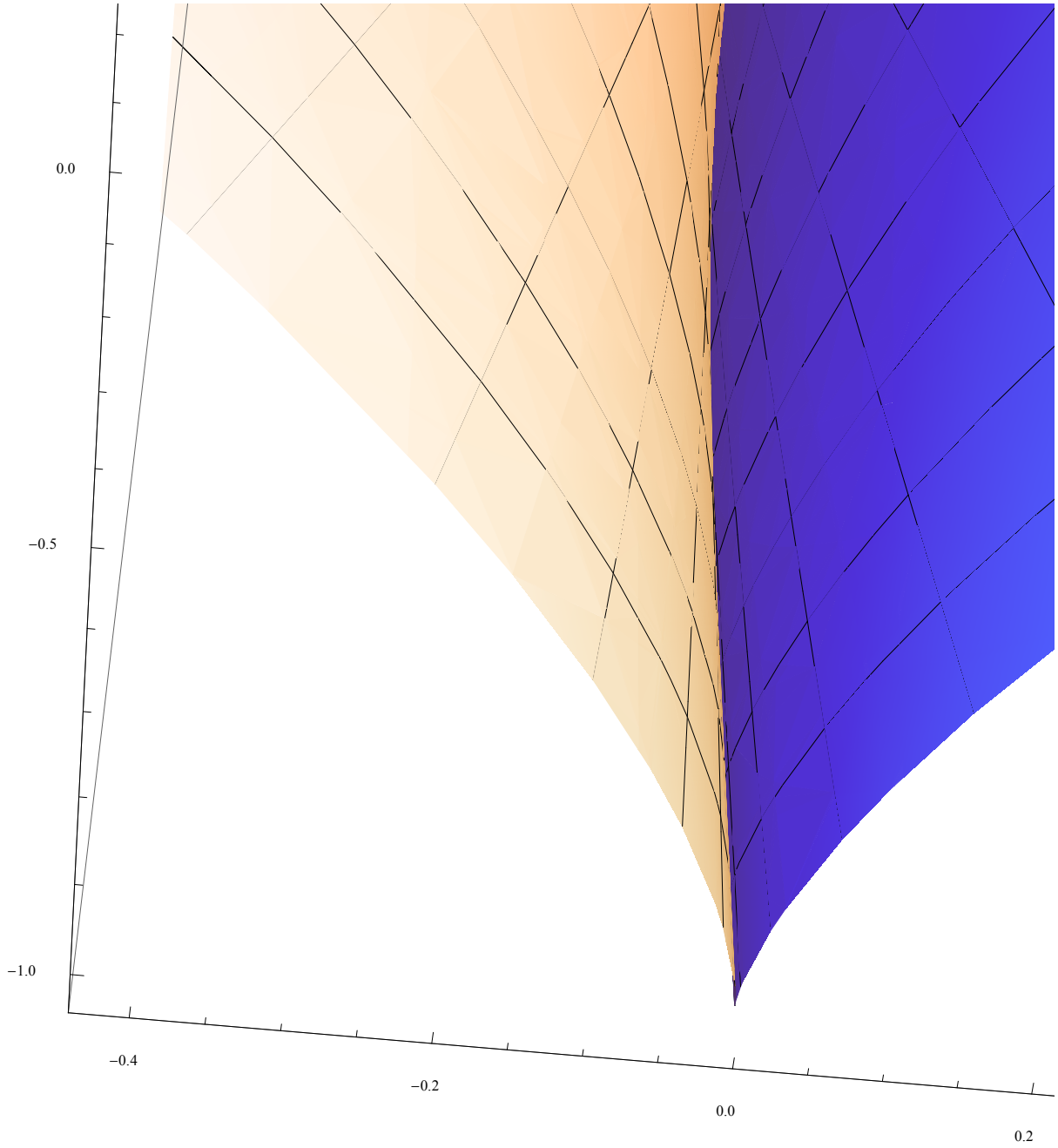

0
−1
−2

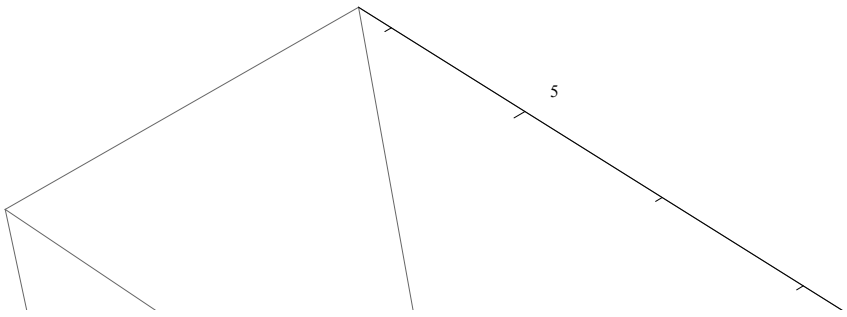
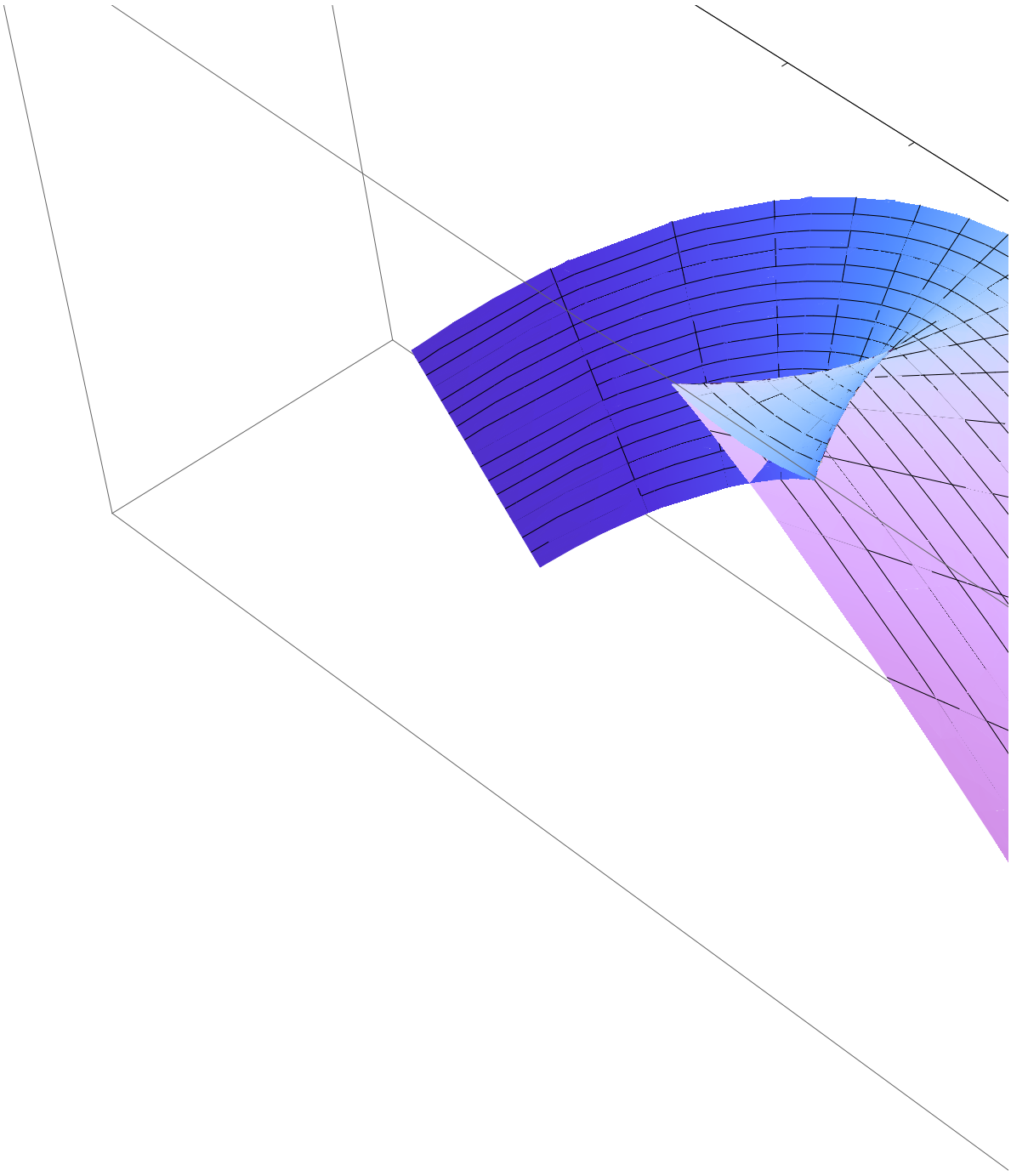
```
ParametricPlot3D[{u^2, u * v, v}, {u, -1, 1}, {v, -1, 1}]
```




```
ParametricPlot3D[{u, v^2, u * v^3}, {u, -1, 1}, {v, -1, 1}]
```


1.0
0.5




```
ParametricPlot3D[{3 u^4 + u^2 * v, 4 u^3 + 2 * u * v, v}, {u, -1, 1}, {v, -1, 1}]
```