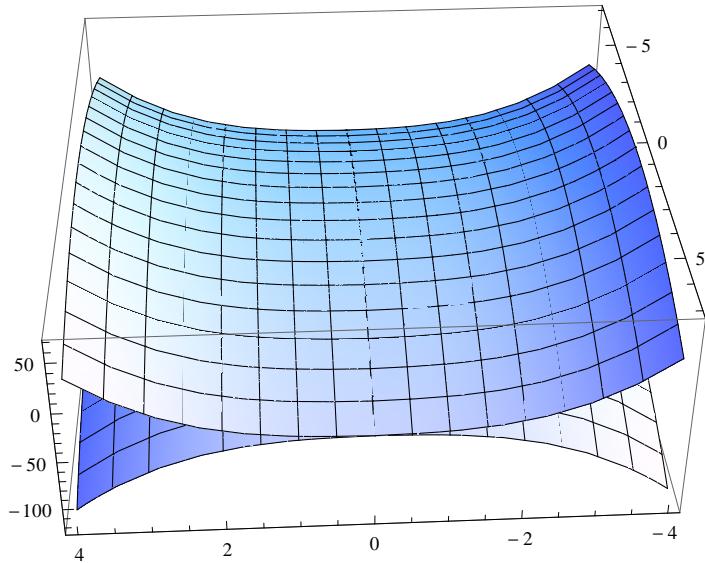


```
f[x_, y_] := x^3 - y^2 + x + y
```

```
Plot3D[{f[-x, y], f[x, y]}, {x, -4, 4}, {y, -7, 7}]
```



```
Solve[Det[{D[f[x, y], {{x, y}}], D[f[-x, y], {{x, y}}]}] == 0]
```

$$\left\{ \left\{ x \rightarrow -\frac{\frac{1}{i}}{\sqrt{3}} \right\}, \left\{ x \rightarrow \frac{\frac{1}{i}}{\sqrt{3}} \right\}, \left\{ Y \rightarrow \frac{1}{2} \right\} \right\}$$

```
Solve[f[x, y] == c && f[-x, y] == c]
```

$$\left\{ \left\{ c \rightarrow Y - Y^2, x \rightarrow 0 \right\}, \left\{ c \rightarrow Y - Y^2, x \rightarrow -\frac{1}{i} \right\}, \left\{ c \rightarrow Y - Y^2, x \rightarrow \frac{1}{i} \right\} \right\}$$

```
Plot[f[0, y, {y, -4, 4}]
```

