

```
> read('bsp_VII_3_9.mws');
```

```
a := -3
```

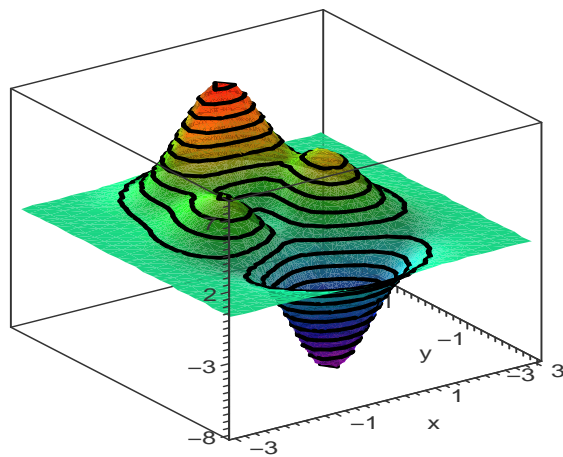
```
b := 3
```

```
c := -3
```

```
d := 3
```

```
f := 10 (x^2 + y^5 + 1/5 x) e^{-x^2-y^2}
```

Graph von f

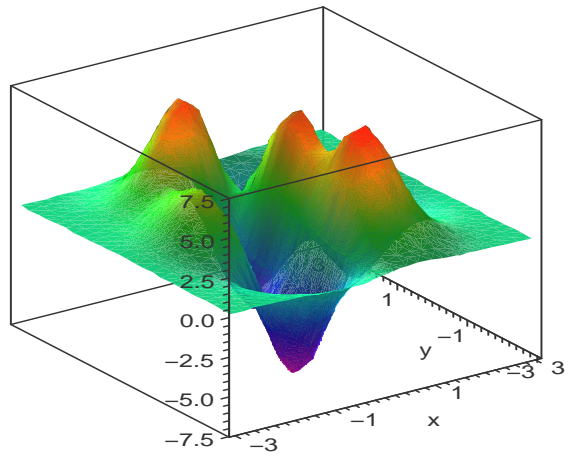


*“Die partiellen Ableitungen erster Ordnung von f”*

```
fx := -2 e^{-x^2-y^2} (-10 x - 1 + 10 x^3 + 10 x y^5 + 2 x^2)
```

```
fy := -2 y e^{-x^2-y^2} (-25 y^3 + 10 x^2 + 10 y^5 + 2 x)
```

Graph von  $f_x$



Graph von  $f_y$

