```
> f := x→sqrt(x^2 + y)
```

$$f := x \mapsto \sqrt{x^2 + y} \tag{1}$$

```
> diff(f(x), x)
```

$$\frac{x}{\sqrt{x^2 + y}} \tag{2}$$

```
> diff(f(x), y)
```

$$\frac{1}{2\sqrt{x^2 + y}} \tag{3}$$

```
> diff(diff(f(x), x), x)
```

$$-\frac{x^2}{(x^2 + y)^{3/2}} + \frac{1}{\sqrt{x^2 + y}} \tag{4}$$

```
> diff(diff(f(x), y), y)
```

$$-\frac{1}{4\,(x^2 + y)^{3/2}} \tag{5}$$

```
>
```