



Fractions with Maple

Factorising



In Maple terms can be factorised by the command factor

```
factor(x2 - y2);  
(x - y)(x + y)
```

The terms can be combined by the command normal

```
normal(x/(x+y) + y/(x-y));  
(x2 + y2)/(x - y)(x + y)
```

Factors: Example



```
br1:=a/(b2*c) + c/(a*b2) - 2/b2;
```

$$\frac{a}{b^2 c} + \frac{c}{a b^2} - \frac{2}{b^2}$$

```
normal(br1);
```

$$\frac{a^2 + c^2 - 2 a c}{a b^2 c}$$

```
factor(br1);
```

$$\frac{(a - c)^2}{a b^2 c}$$