```
>
> s:=taylor(sin(x) + cos(x),x=0,5);
>
```

$$s := 1 + x - \frac{1}{2}x^2 - \frac{1}{6}x^3 + \frac{1}{24}x^4 + O(x^5)$$

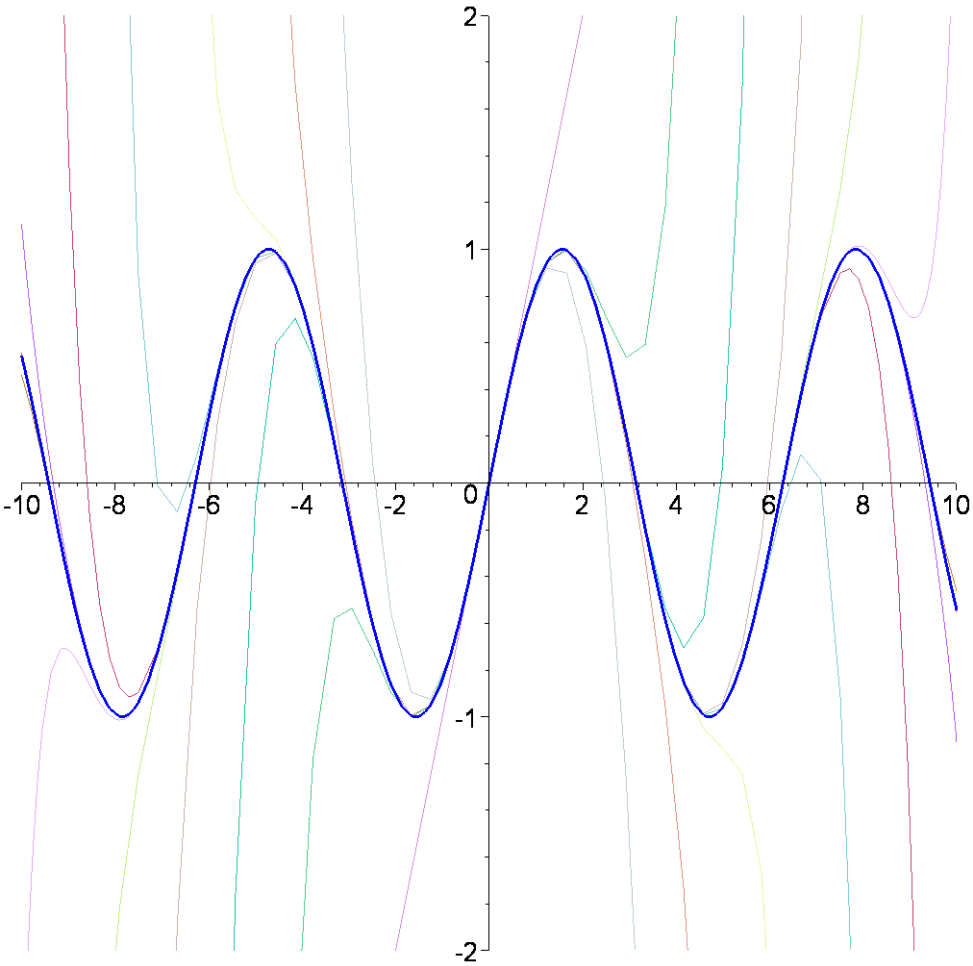
```
> v:=convert(s, polynom);
```

$$v := 1 + x - \frac{1}{2}x^2 - \frac{1}{6}x^3 + \frac{1}{24}x^4$$

```
> unapply(v,x);
```

$$x \to 1 + x - \frac{1}{2}x^2 - \frac{1}{6}x^3 + \frac{1}{24}x^4$$

```
>
>
> with(plots):
>
> f:= x-> sin(x) :
> a:=-10:
> b:=10:
> ff:=plot(f, a..b,color=blue, thickness=3):
>
> s:=seq(plot(unapply(convert(taylor(f(x),x=0,n),
  polynom),x),a..b,-2..2,color=COLOR(RGB,rand()/10^12,rand()/10^12
  ,rand()/10^12)),n=1..30):
> plots[display]([ff,s]);
```




```
> n:=1;
```

$$n := 1$$

```
> s1:=plot(unapply(convert(taylor(exp(x),x=0,n),
  polynom),x),-1..1):
> s2:=plot(unapply(convert(taylor(exp(x),x=0,2),
  polynom),x),-1..1):
>
>
```