

```

[ >
[ > 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);

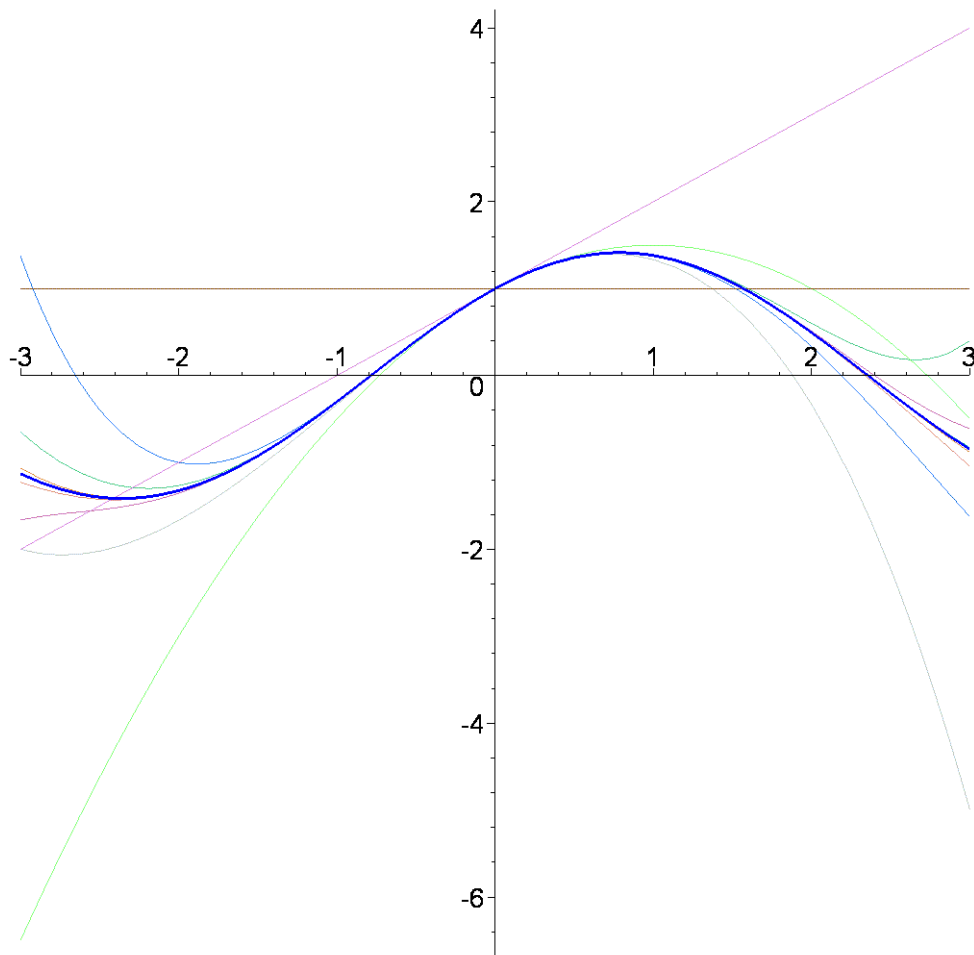
$$v := 1 + x - \frac{1}{2}x^2 - \frac{1}{6}x^3 + \frac{1}{24}x^4$$

[ > unapply(v,x);

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

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

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>
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>
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