

WXMAXIMA, VEŽBA, RAZVOJ U RED, SLAJD 33

```
(%i1) f0: sin(x);
```

```
(%o1) sin(x)
```

```
(%i2) f1: taylor(f0,x,0,1);
```

```
(%o2) x + ...
```

```
(%i3) f2: taylor(f0,x,0,3);
```

```
(%o3)  $x - \frac{x^3}{6} + \dots$ 
```

```
(%i4) f3: taylor(f0,x,0,5);
```

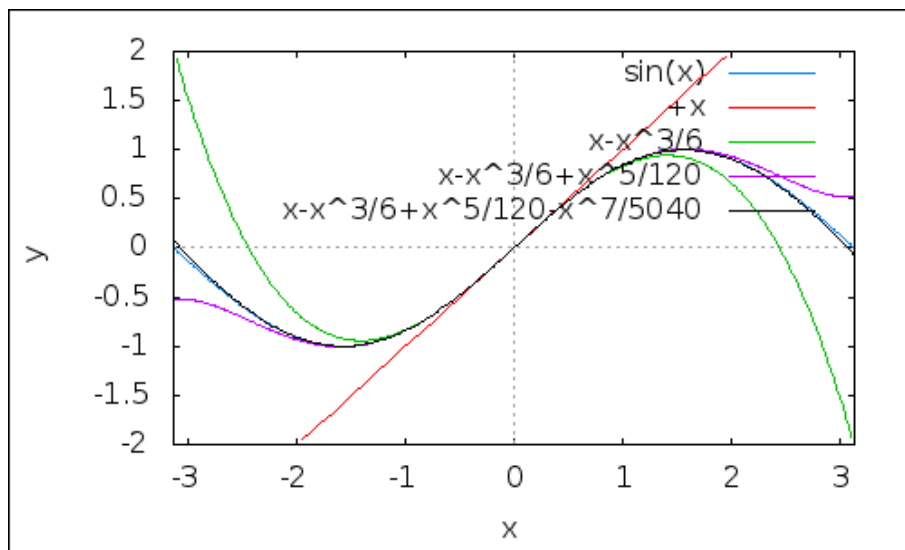
```
(%o4)  $x - \frac{x^3}{6} + \frac{x^5}{120} + \dots$ 
```

```
(%i5) f4: taylor(f0,x,0,7);
```

```
(%o5)  $x - \frac{x^3}{6} + \frac{x^5}{120} - \frac{x^7}{5040} + \dots$ 
```

```
(%i6) wxplot2d([f0,f1,f2,f3,f4],[x,-%pi,%pi],[y,-2,2]);
```

plot2d : some values were clipped. plot2d : some values were clipped.



```
(%t6)
```

```
(%o6)
```