

```
> restart;
```

```
> f:=sin(x+y)-2*x+2*y;
```

$$f := \sin(x + y) - 2x + 2y$$

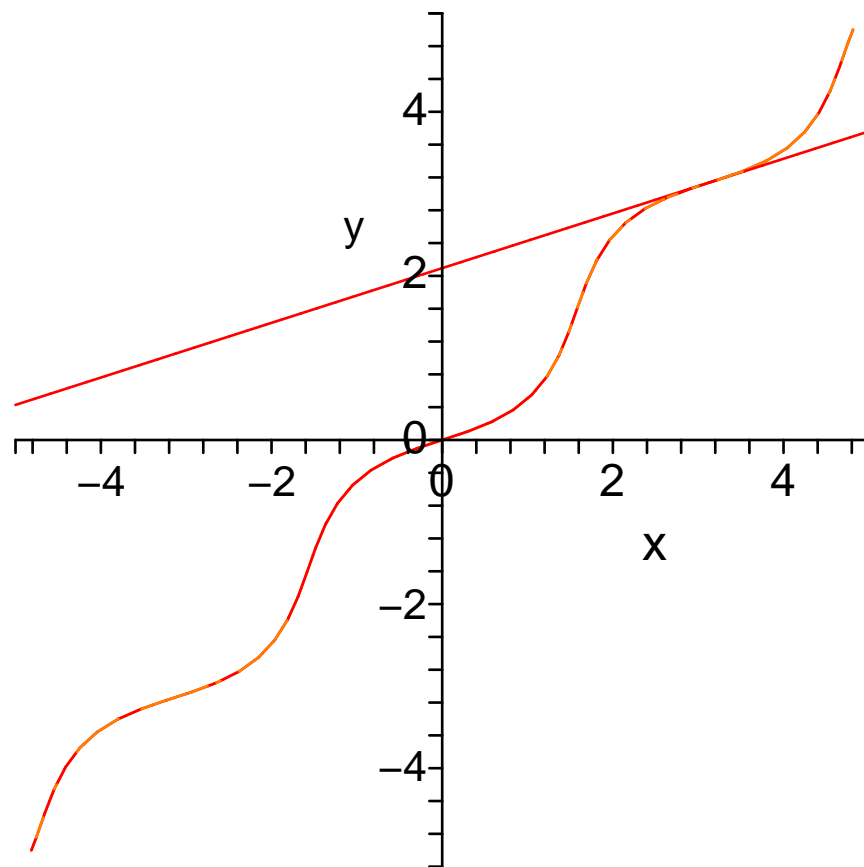
```
> with(plots):
```

Warning, the name changecoords has been redefined

```
> P1:=contourplot(f,x=-5..5,y=-5..5,contours=[0,0]):
```

```
> P2:=plot(Pi+1/3*(x-Pi),x=-5..5):
```

```
> display(P1,P2);
```



```
> g:=arctan(x)/(1+x^2);
```

$$g := \frac{\arctan(x)}{1 + x^2}$$

```
> diff(g,x);
```

$$\frac{1}{(1+x^2)^2} - \frac{2 \arctan(x) x}{(1+x^2)^2}$$

