# mplD003R.mw

```
> restart :
> with(DEtools) :
> with(plots) :
> dyht:=diff(y(x),x)=-4*x/y(x);
```

$$dyht := \frac{d}{dx} y(x) = -\frac{4\,x}{y(x)} \tag{1.1}$$

```
> skuva:=DEplot(dyht,y(x),x=-1..1,y=-1..1,color=grey):
> y := -4/c*x
```

$$y := -\frac{4\,x}{c} \tag{1.2}$$

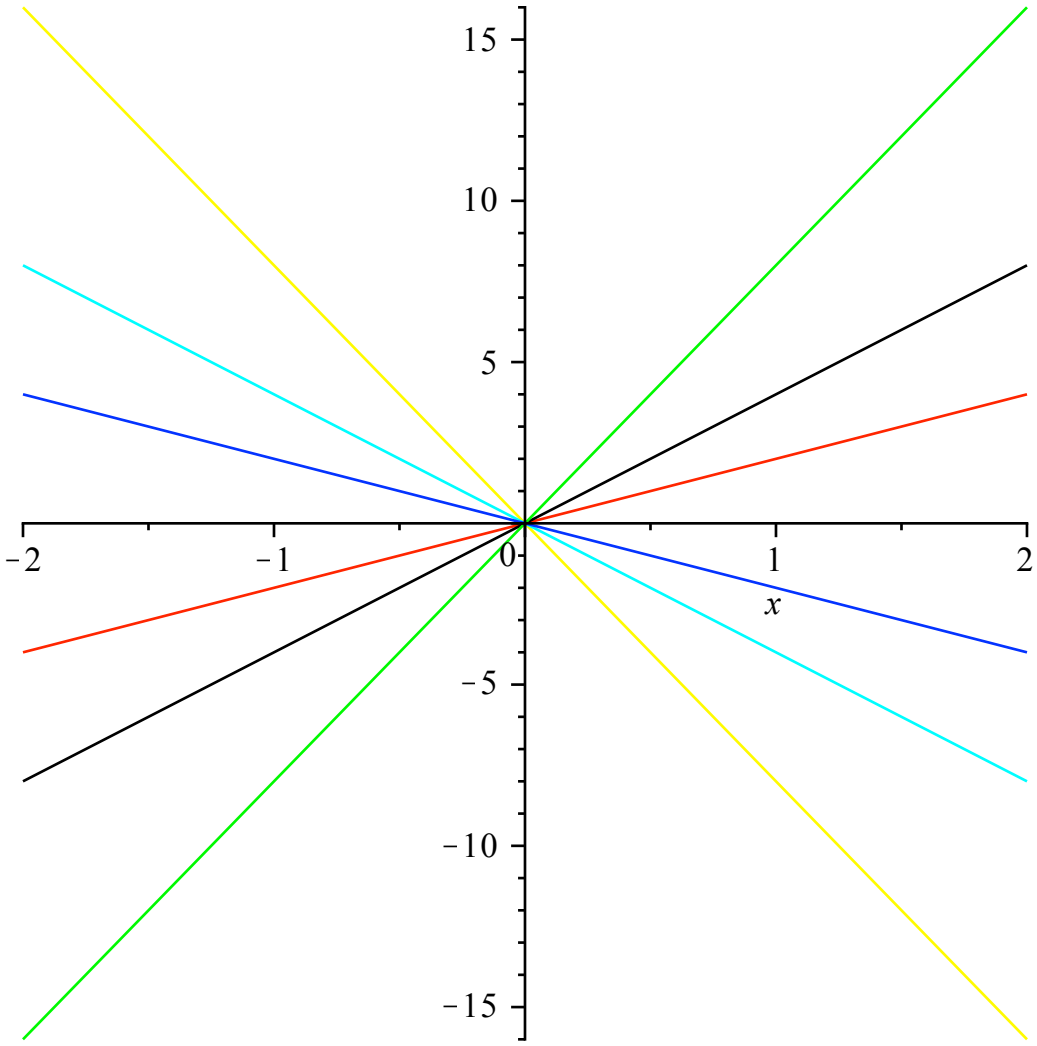
```
> yparvi := seq(y, c = [-2,-1,-.5, .5, 1, 2])
```

$$yparvi := 2\,x,\ 4\,x,\ 8.000000000\,x,\ -8.000000000\,x,\ -4\,x,\ -2\,x \tag{1.3}$$

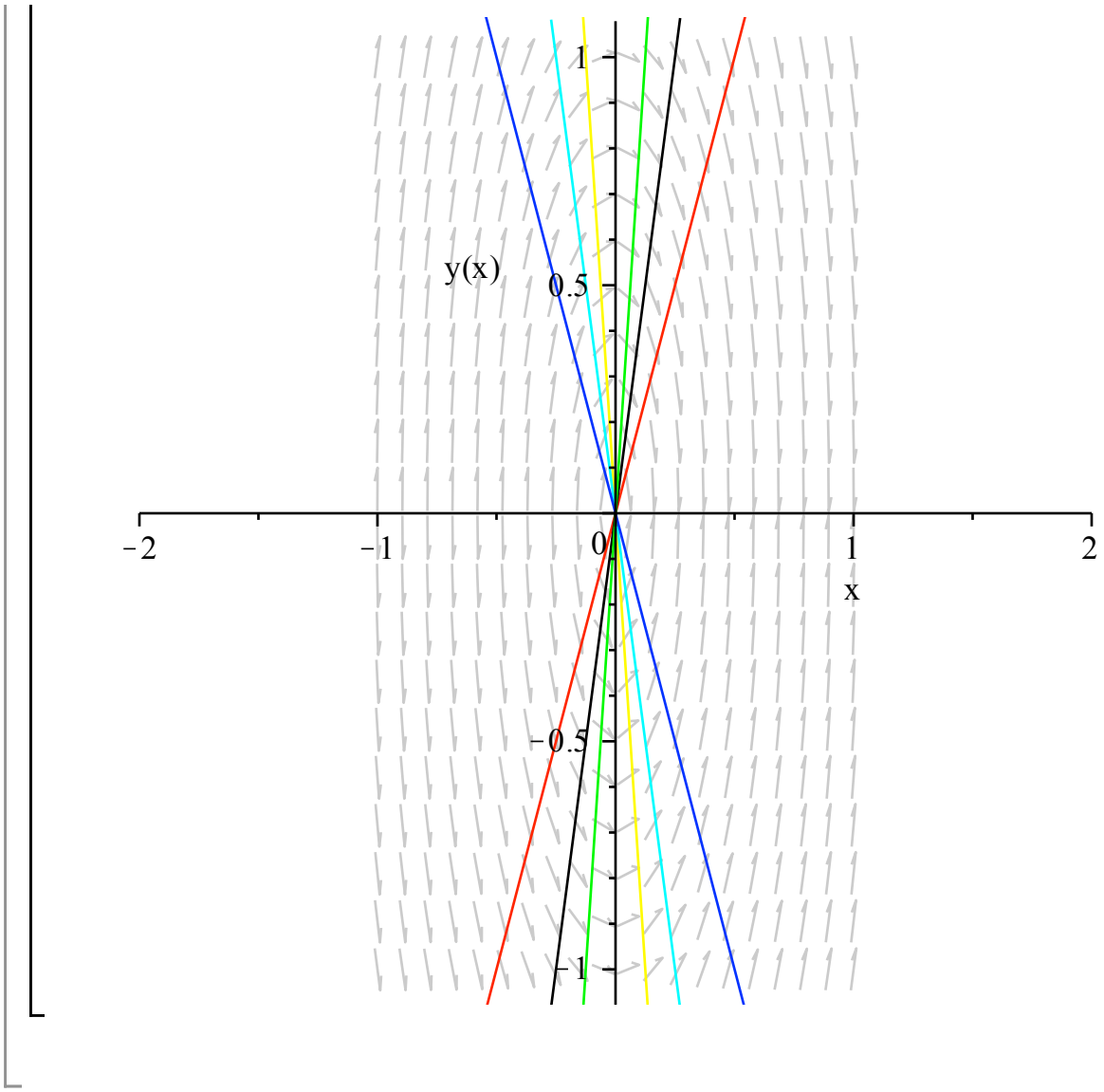
```
> isokl := plot([yparvi], x=-2..2, color = [red, black, green, yellow, cyan, blue])
```

$$isokl := PLOT(\ldots) \tag{1.4}$$

```
> isokl
```




```
> display(skuva, isokl)
```


y(x)
1
0.5
−0.5
−1
−2
−1
0
1
2
x