▼ mplD003R.mw

> *restart* :

> *with*(*DEtools*) :

> *with*(*plots*) :

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

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

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

> $yisokl := -\frac{4}{c} \cdot x$

$$yisokl := -\frac{4x}{c} \tag{1.2}$$
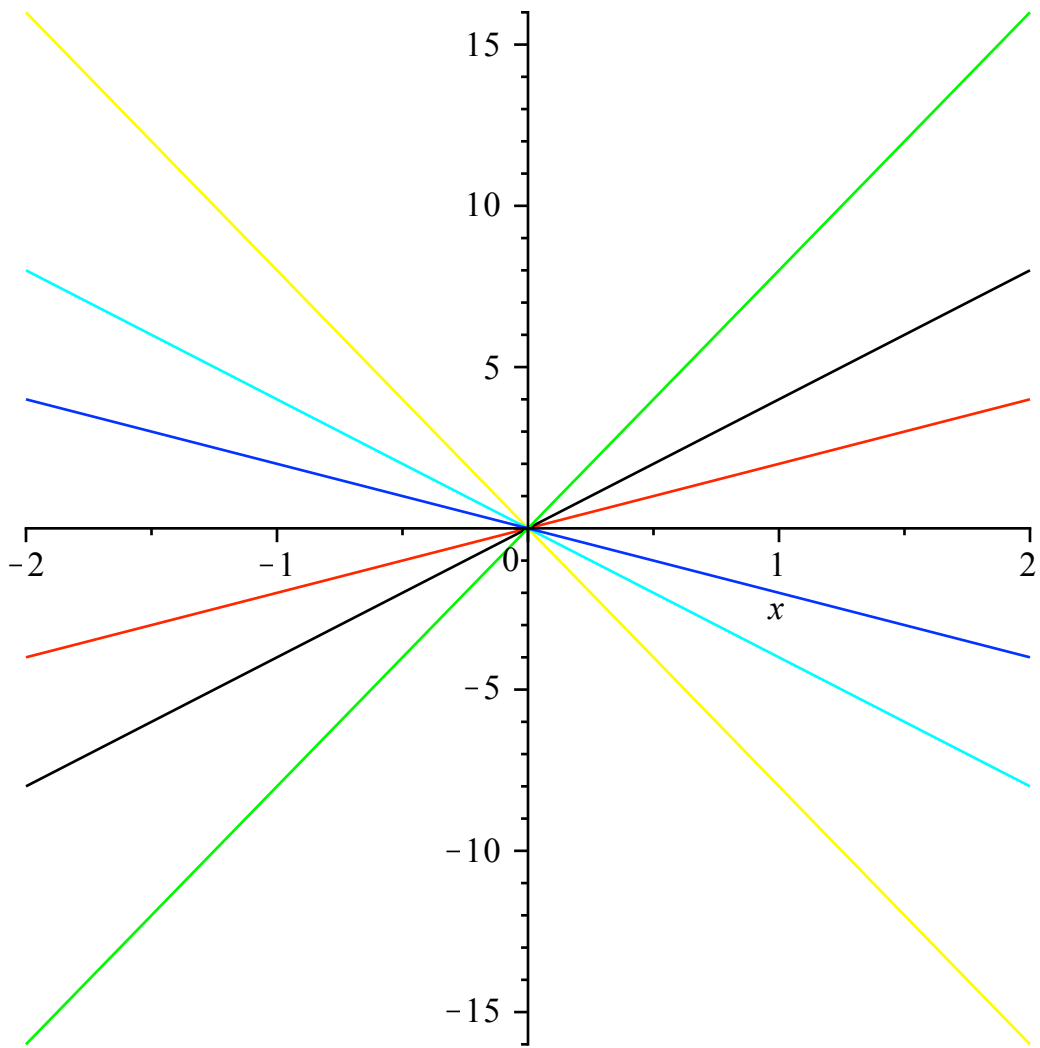
> $yparvi := seq(yisokl, c = [-2, -1, -.5, .5, 1, 2])$

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

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

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

> *isokl*

> $display(skuva, isokl)$

y(x)