

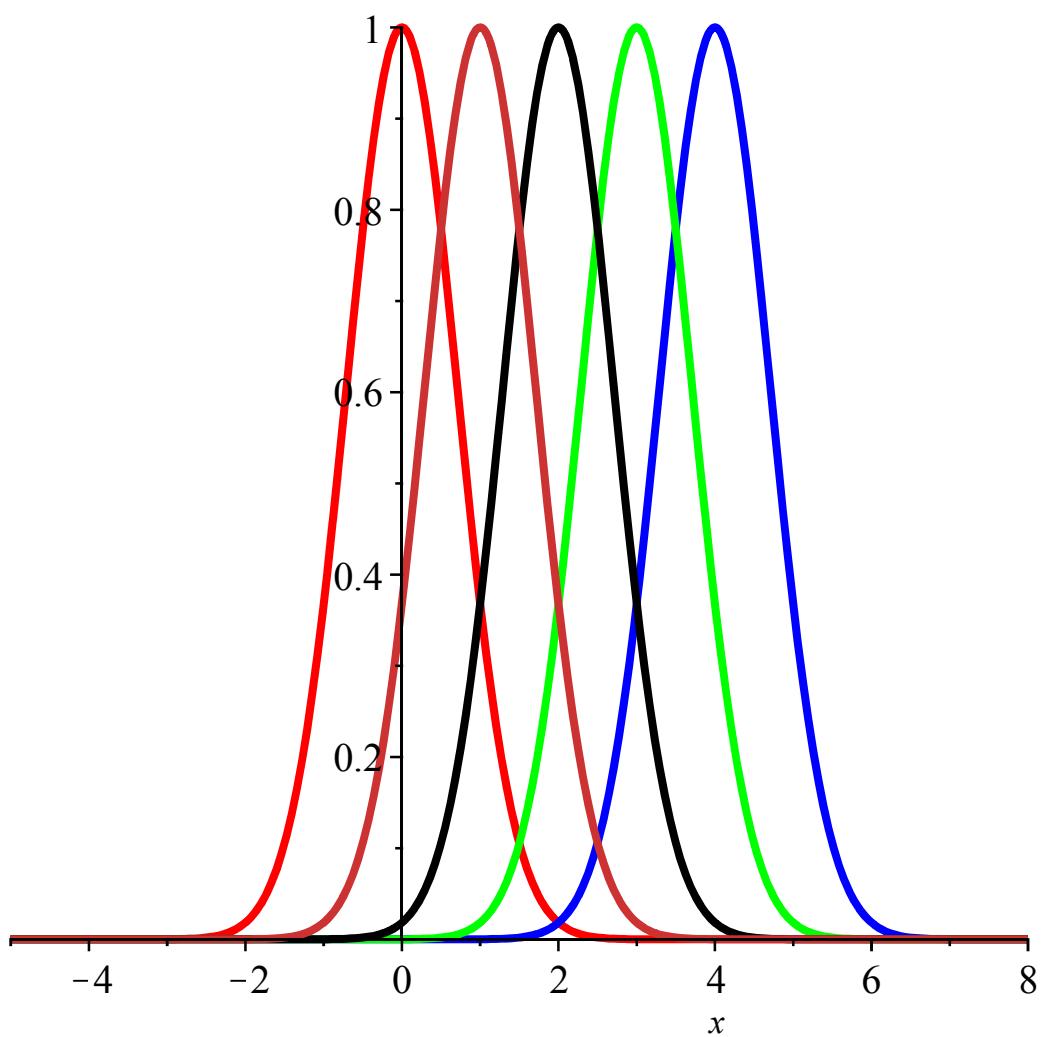
```
> restart;
> with(plots);
```

[animate, animate3d, animatecurve, arrow, changecoords, complexplot, complexplot3d,  
conformal, conformal3d, contourplot, contourplot3d, coordplot, coordplot3d, densityplot,  
display, dualaxisplot, fieldplot, fieldplot3d, gradplot, gradplot3d, implicitplot,  
implicitplot3d, inequal, interactive, interactiveparams, intersectplot, listcontplot,  
listcontplot3d, listdensityplot, listplot, listplot3d, loglogplot, logplot, matrixplot, multiple,  
odeplot, pareto, plotcompare, pointplot, pointplot3d, polarplot, polygonplot, polygonplot3d,  
polyhedra\_supported, polyhedraplot, rootlocus, semilogplot, setcolors, setoptions,  
setoptions3d, shadebetween, spacecurve, sparsematrixplot, surfdata, textplot, textplot3d,  
tubeplot]

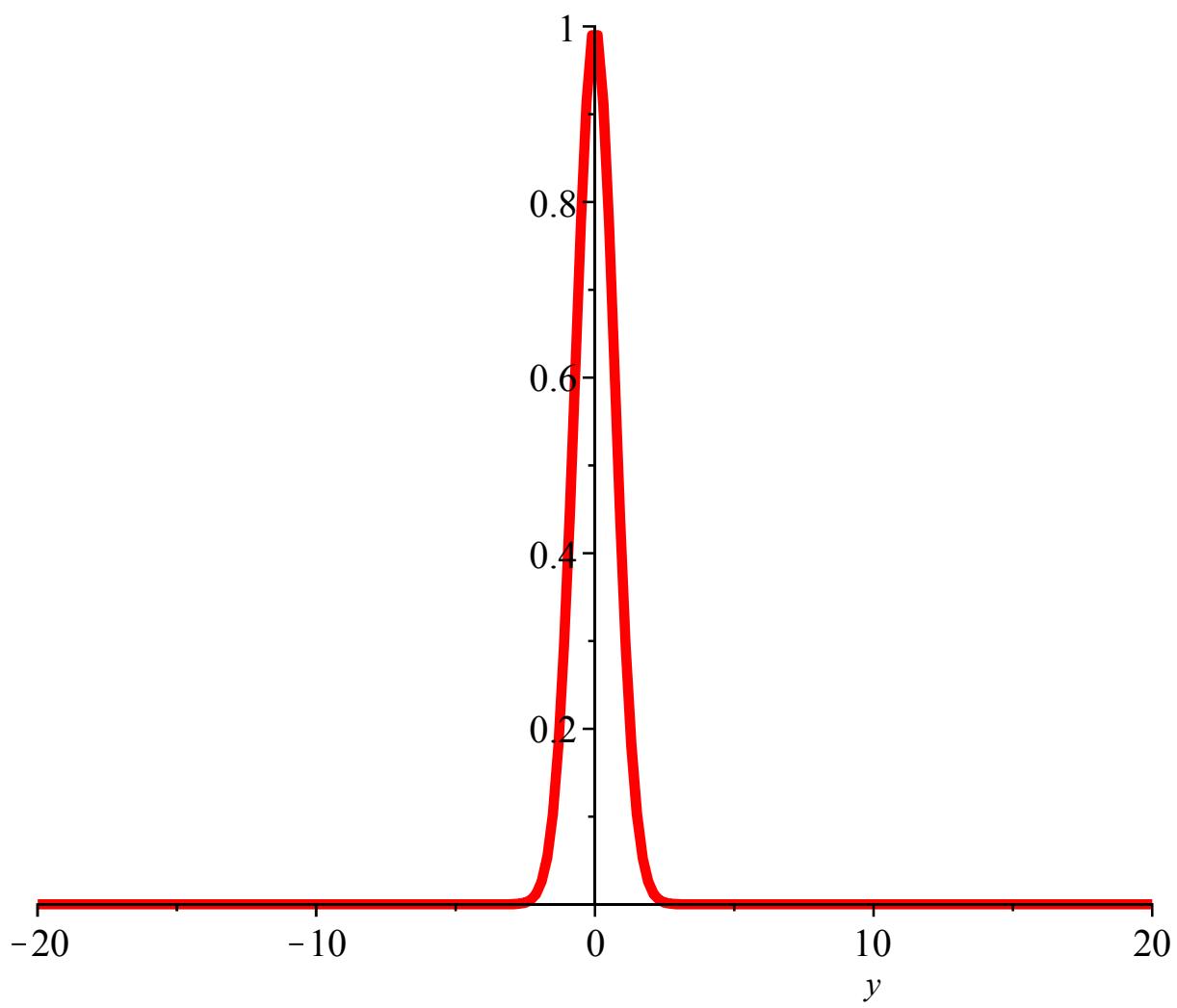
```
>
```

```
> f := w → exp(-w2);
f := w → e-w2
```

```
> plot( {f(x),f(x-1),f(x-2),f(x-3),f(x-4)}, x=-5..8, thickness=3, color=[red, blue,  
green, black, orange]);
```



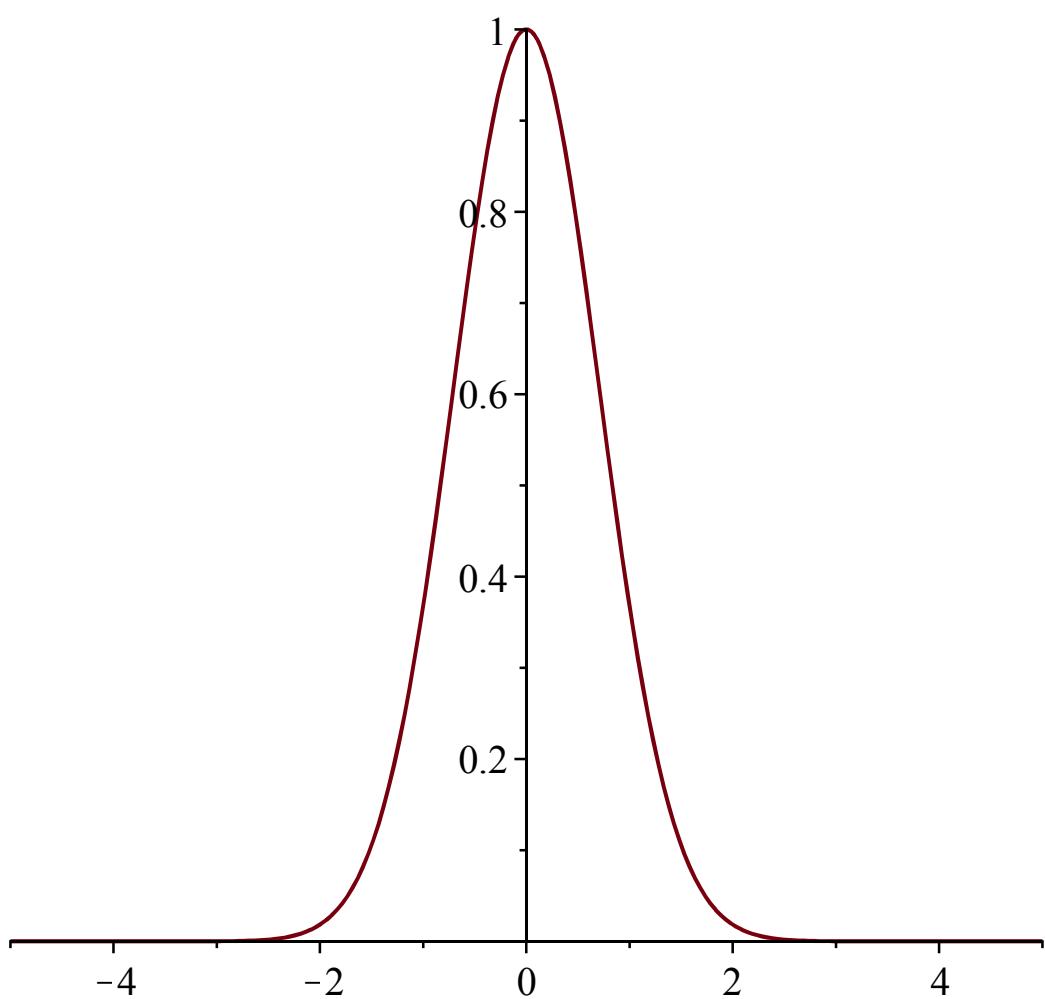
```
> animate( (f(y-t), y=-20..20), t=0..20, numpoints=200, thickness=4);
```



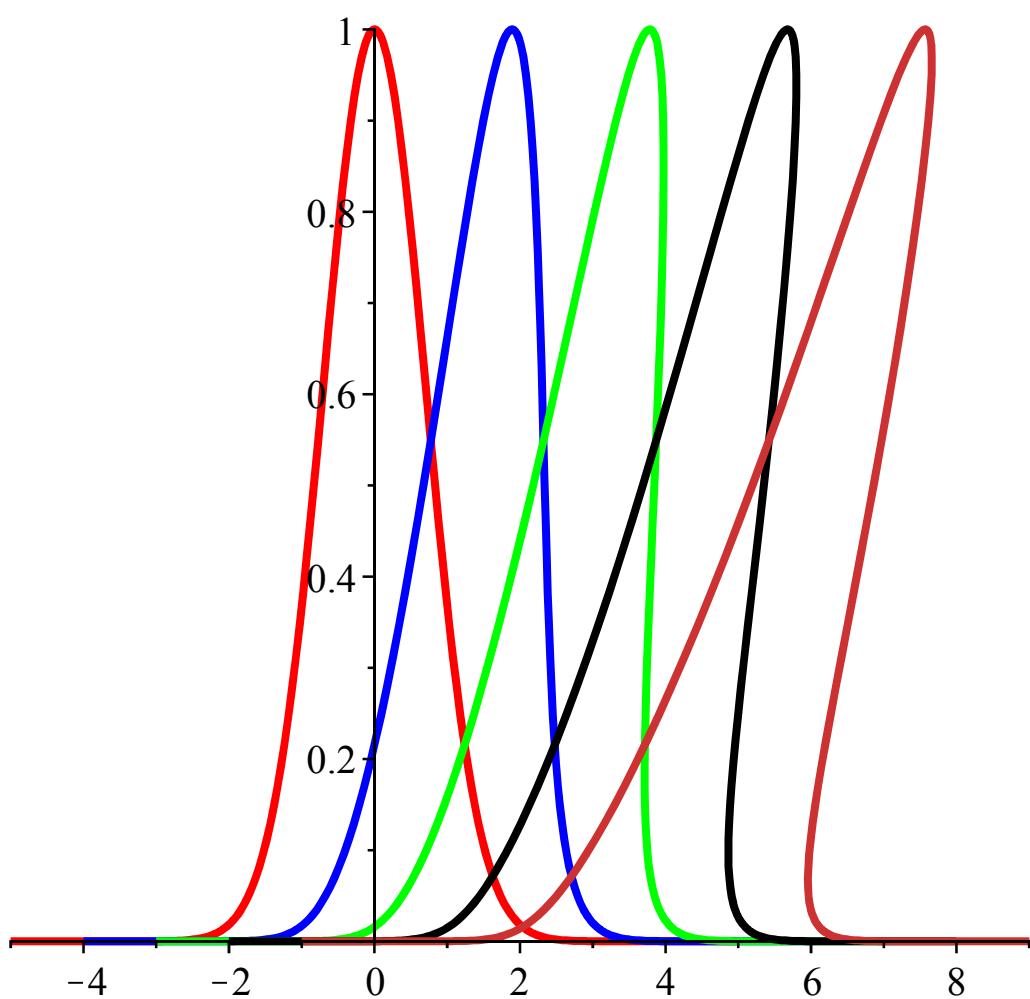
$$\begin{aligned}
 > u := (w, g) \rightarrow \frac{(g+1)}{(g-1)} \cdot (1 + f(w))^{-\frac{(g-1)}{2}} - \frac{2}{(g-1)}; \\
 & u := (w, g) \rightarrow \frac{(g+1)(1+f(w))^{\frac{1}{2}g-\frac{1}{2}}}{g-1} - \frac{2}{g-1} \tag{3}
 \end{aligned}$$

$$\begin{aligned}
 > x := (w, t, g) \rightarrow w + u(w, g) \cdot t; \\
 & x := (w, t, g) \rightarrow w + u(w, g) t \tag{4}
 \end{aligned}$$

> `plot([x(w, 0, 1.4), f(w), w=-5..5]);`



```
> plot( {[x(w, 0, 1.4),f(w), w=-5..5], [x(w, 1, 1.4),f(w), w=-5..5], [x(w, 2, 1.4),f(w), w=-5..5], [x(w, 3, 1.4),f(w), w=-5..5], [x(w, 4, 1.4),f(w), w=-5..5]}, thickness=3, color=[red, blue, green, black, orange]);
```



```
> animate([x(w, t, 1.4), f(w), w=-5..5], t=0..20, thickness=4);
```

