minimales (Gauss'sches) Wellenpaket

In[1]:= `(* plot absolute square *)`
`psi2[x_, t_, k0_] := Exp[- (x - t k0) ^ 2 / 2 / (1 + t^2)] / Sqrt[2 Pi (1 + t^2)];`
`Manipulate[Plot[psi2[x, t, k0], {x, -2, 2 + k0}, PlotRange → {0, 0.4}], {t, 0, 1}, {k0, 0, 50}]`

Out[2]=