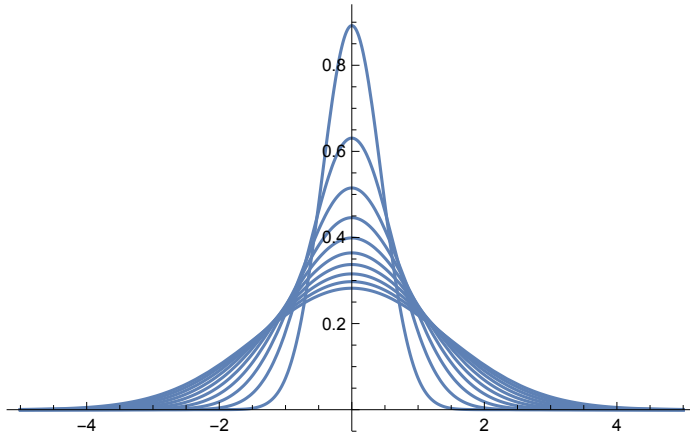


In[31]:= (\* heatkernel.nb \*)

In[32]:=  $G[x_, t_] := \text{Exp}[-x^2 / (4 * t)] / (2 * \text{Sqrt}[\text{Pi} * t])$   
[指数関数] [平方根] [円周率]

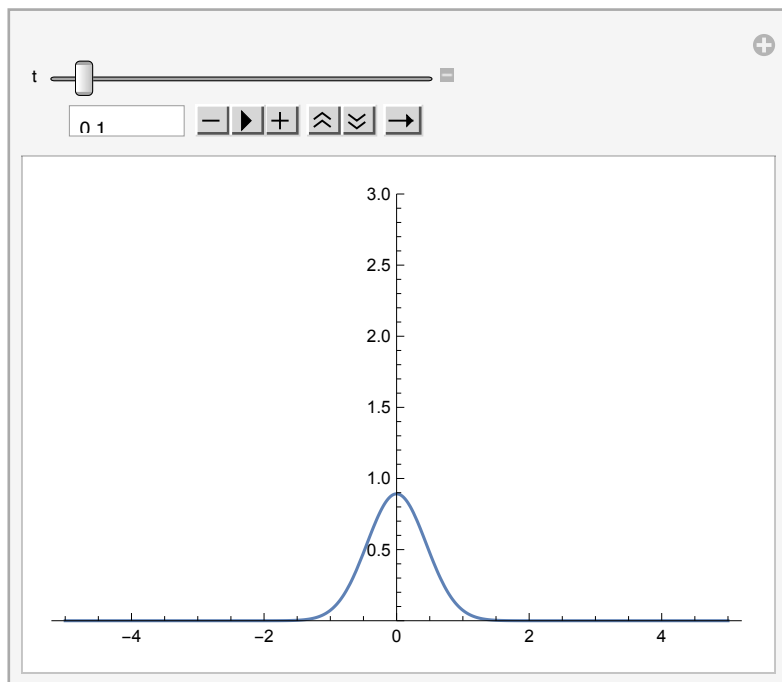
In[33]:=  $g = \text{Plot}[\text{Table}[G[x, t], \{t, 0.1, 1.0, 0.1\}], \{x, -5, 5\}, \text{PlotRange} \rightarrow \text{All}]$   
[プ…] [リストを作成] [プロット範囲] [すべて]

Out[33]=



In[34]:=  $\text{Manipulate}[\text{Plot}[G[x, t], \{x, -5, 5\}, \text{PlotRange} \rightarrow \{0, 3\}], \{t, 0.01, 2\}]$   
[操作] [プロット] [プロット範囲]

Out[34]=



In[35]:= `Manipulate[Plot[G[x, 1/invt], {x, -2, 2}, PlotRange -> All], {invt, 1, 1000}]`  
[操作] [プロット] [プロット範囲] [すべて]

