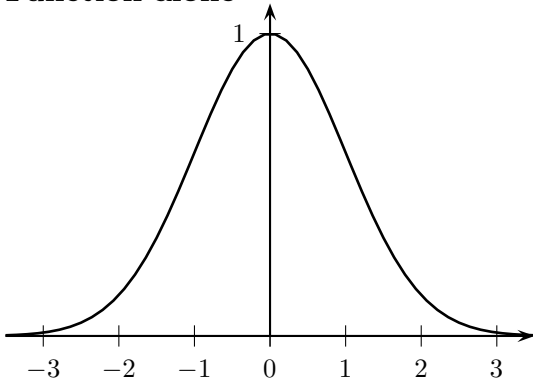
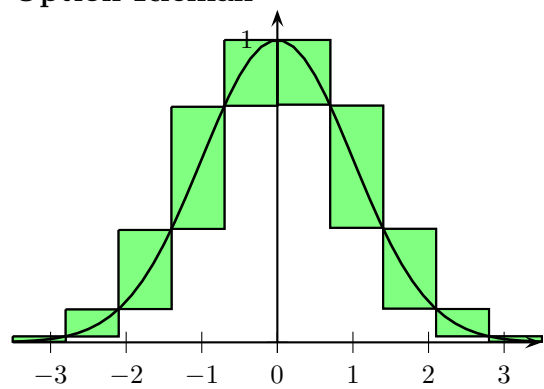


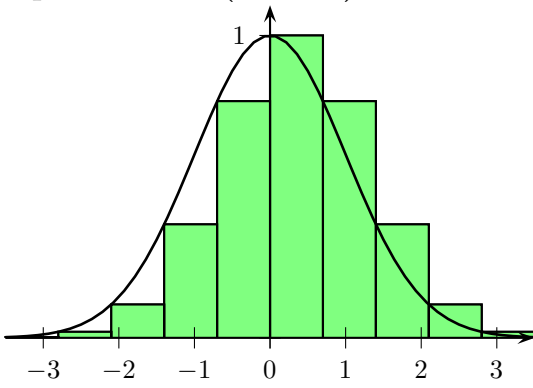
Function alone



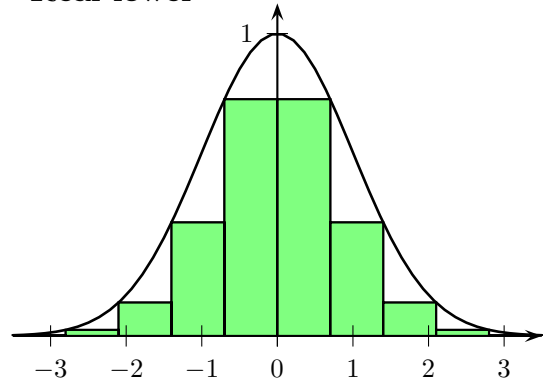
Option Rieman



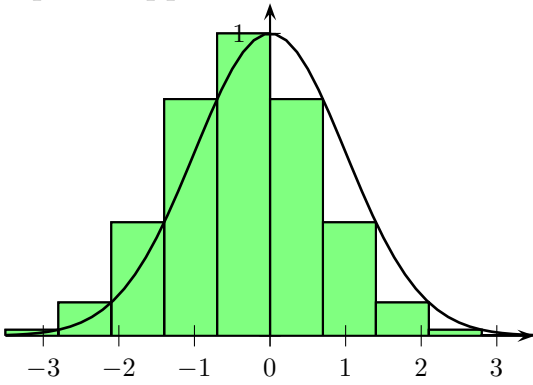
Option lower (default)



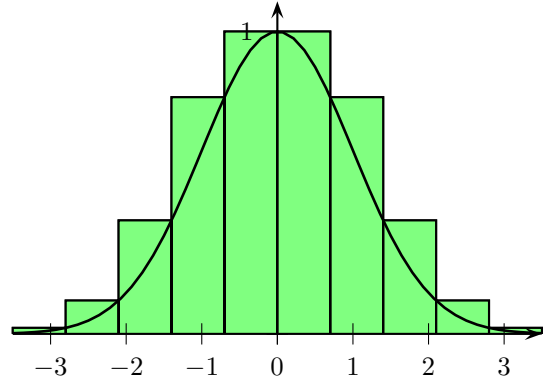
“Real lower”



Option upper



“Real upper”



```

\usepackage{pstricks-add}
\pagestyle{empty}
\psset{algebraic,yunit=4,arrowscale=1.5}
\begin{document}
\twocolumn
  \textbf{\large Function alone}

  \begin{pspicture}(-3.5,-0.25)(3.5,1.1)
    \psaxes{->}(0,0)(-3.5,0)(3.5,1.1)
    \psplot[linewidth=1pt]{-3.5}{3.5}{Euler^(-x^2/2)}
  \end{pspicture}

  \textbf{\large Option lower (default)}

  \begin{pspicture}(-3.5,-0.25)(3.5,1.1)
    \psStep[fillstyle=solid,fillcolor=green!50]
      (-3.5,3.5){10}{Euler^(-x^2/2)}
    \psaxes{->}(0,0)(-3.5,0)(3.5,1.1)
    \psplot[linewidth=1pt]{-3.5}{3.5}{Euler^(-x^2/2)}
  \end{pspicture}

  \textbf{\large Option upper}

  \begin{pspicture}(-3.5,-0.25)(3.5,1.1)
    \psStep[fillstyle=solid,fillcolor=green!50,StepType=upper]
      (-3.5,3.5){10}{Euler^(-x^2/2)}
    \psaxes{->}(0,0)(-3.5,0)(3.5,1.1)
    \psplot[linewidth=1pt]{-3.5}{3.5}{Euler^(-x^2/2)}
  \end{pspicture}
\pagebreak

  \textbf{\large Option Rieman}

  \begin{pspicture}(-3.5,-0.25)(3.5,1.1)
    \psStep[fillstyle=solid,fillcolor=green!50,StepType=Rieman]
      (-3.5,3.5){10}{Euler^(-x^2/2)}
    \psaxes{->}(0,0)(-3.5,0)(3.5,1.1)
    \psplot[linewidth=1pt]{-3.5}{3.5}{Euler^(-x^2/2)}
  \end{pspicture}

  \textbf{\large ‘Real lower’}

  \begin{pspicture}(-3.5,-0.25)(3.5,1.1)
    \psStep[fillstyle=solid,fillcolor=green!50,StepType=lower]
      (-3.5,0){5}{Euler^(-x^2/2)}
    \psStep[fillstyle=solid,fillcolor=green!50,StepType=upper]
      (0,3.5){5}{Euler^(-x^2/2)}
    \psaxes{->}(0,0)(-3.5,0)(3.5,1.1)
    \psplot[linewidth=1pt]{-3.5}{3.5}{Euler^(-x^2/2)}
  \end{pspicture}

  \textbf{\large ‘Real upper’}

  \begin{pspicture}(-3.5,-0.25)(3.5,1.1)
    \psStep[fillstyle=solid,fillcolor=green!50,StepType=upper]
      (-3.5,0){5}{2.71828^(-x^2/2)}
    \psStep[fillstyle=solid,fillcolor=green!50,StepType=lower]
      (0,3.5){5}{2.71828^(-x^2/2)}
    \psaxes{->}(0,0)(-3.5,0)(3.5,1.1)
    \psplot[linewidth=1pt]{-3.5}{3.5}{2.71828^(-x^2/2)}
  \end{pspicture}

```