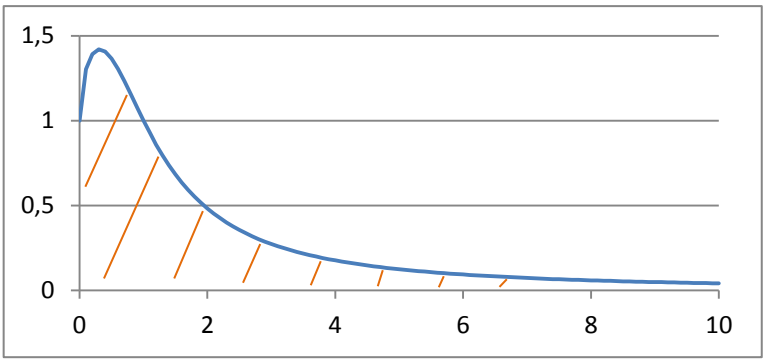
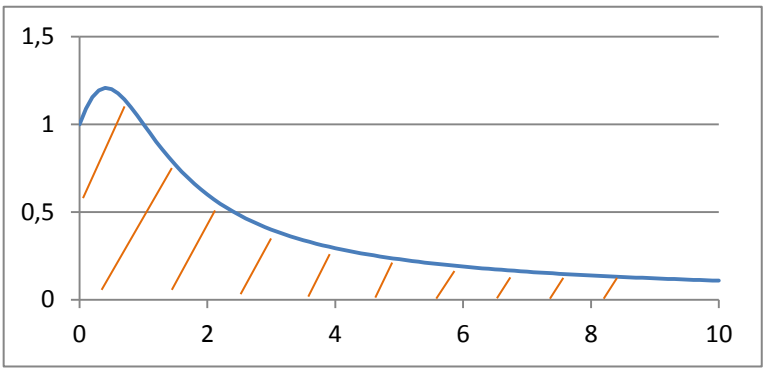
Quelques aires…

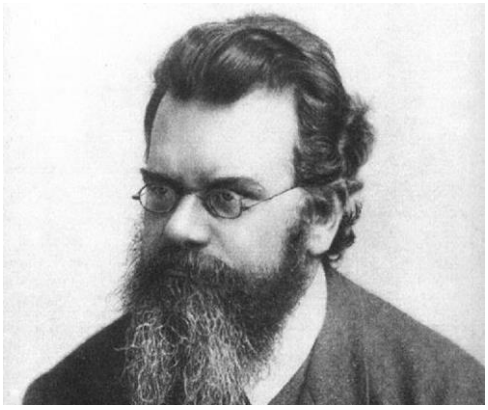
$$f(x) = \frac{\sqrt{x}+1}{x^2+1}$$



$$g(x) = \frac{x+1}{x^2+1}$$



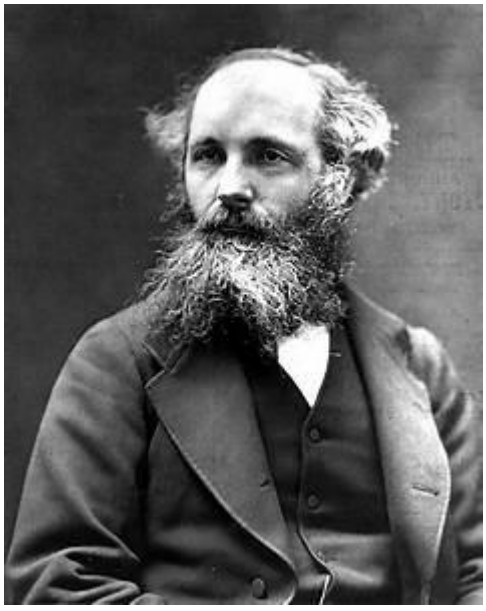
Importance en physique



Ludwig Boltzmann

(1844-1906)

physique statistique



James Clerck Maxwell

(1831-1879)

Etude des gaz
Equations de la lumière

Théorie cinétique des gaz

$$< E_c > = \frac{1}{2} m \int_0^{+\infty} v^2 \, f(v) \, dv$$

$$f(v) = \sqrt{\frac{2}{\pi}} \left(\frac{m}{k_B T} \right)^{3/2} v^2 e^{-\frac{mv^2}{2k_B T}}$$