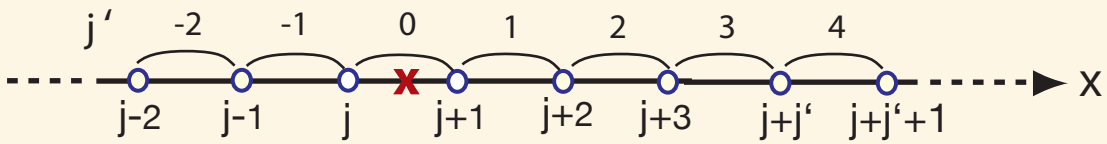
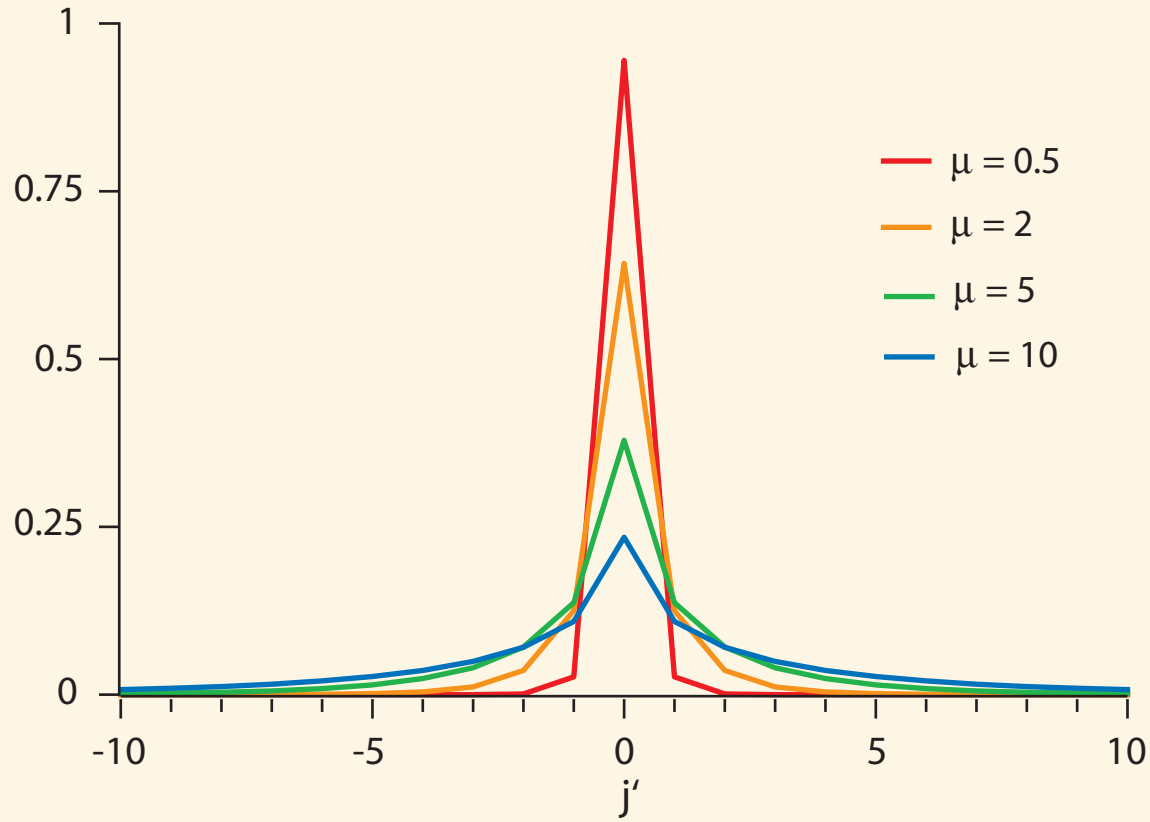
COEFFICIENTS " $a_{j'}$ " OF THE EQUIVALENT TRAPEZOIDAL SCHEME

$$\left(\frac{\partial h}{\partial x}\right)_{j+1/2} \Rightarrow \frac{1}{\Delta x}\sum_{j'} a_{j'}\left(h_{j+j'+1} - h_{j+j'}\right)$$