

$$\frac{1}{\sqrt{2\pi}} \left(\frac{A_1}{\sigma_1} e^{-\frac{1}{2} \left(\frac{x-\mu_1}{\sigma_1} \right)^2} + \frac{A_2}{\sigma_2} e^{-\frac{1}{2} \left(\frac{x-\mu_2}{\sigma_2} \right)^2} \right)$$