$$\frac{1}{\sqrt{2\pi}} \left(\frac{A_1}{\sigma_1} e^{-\frac{1}{2}\left(\frac{x-\mu_1}{\sigma_1}\right)^2} + \cdots + \frac{A_n}{\sigma_n} e^{-\frac{1}{2}\left(\frac{x-\mu_n}{\sigma_n}\right)^2} \right)$$