$$\frac{1}{\pi}\left(\frac{A_1}{\sigma_1}\operatorname{sech}(\frac{x-\mu_1}{\sigma_1})+\frac{A_2}{\sigma_2}\operatorname{sech}(\frac{x-\mu_2}{\sigma_2})+\frac{A_3}{\sigma_3}\operatorname{sech}(\frac{x-\mu_3}{\sigma_3})\right)$$