

$$\partial_{x_\nu} = - \frac{\sum_{i=1}^n \left[ \frac{\mu_{i\nu} - x_\nu}{\sigma_{i\nu}^2} \prod_{\alpha=1}^m g_{i\alpha}(x_\alpha) \right]}{\sum_{i=1}^n \prod_{\alpha=1}^m g_{i\alpha}(x_\alpha)} \quad (1)$$