

$$\gamma \exp\left[-\frac{1}{2}\left(\sum_{h=1}^M \frac{1}{\sigma_h^2} + \frac{1}{\sigma_0^2}\right)z_k^2 - 2\left(\sum_{h=1}^M \frac{x_h^k}{\sigma_h^2} + \frac{Z_0}{\sigma_0^2}\right)Z_k\right] = \frac{1}{\sqrt{2\pi\sigma}} \exp\left[-\frac{1}{2}\left(\frac{Z_k - Z}{\sigma}\right)^2\right]$$