



 $\frac{1}{\sqrt{2\pi\sigma^{2}}} e^{-\frac{(x-a)^{2}}{2\sigma^{2}}}$ $\frac{1}{\sqrt{2\pi\sigma^{2}}} e^{\frac{1}{2\sigma^{2}}} \sqrt{\frac{1}{2\sigma^{2}}} e^{\frac{1}{2\sigma^{2}}} e^{\frac{1}$