

FORMULA 8.258.1

$$\int_0^{\infty} e^{-bx^2} \operatorname{erfc}^2 x \, dx = \frac{1}{\sqrt{\pi b}} \left[2 \tan^{-1} \sqrt{b} - \cos^{-1} \left(\frac{1}{1+b} \right) \right]$$