

1



100



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.....

Wavelength (nm) 200 250 300 350 400 450 500 550 600 650 700 750 800

$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}x^2} dx = 1 \quad \text{and} \quad \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}x^2} x dx = 0$$

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

[illegible]