



$(|(|\phi|^2 \times 2 \times \frac{d}{\mu})^2 - (3 |\psi|^2 \kappa^2)|)^{(1/4)}, \sqrt{2} \phi^2 = k^2 \psi$

Input:

$$\left\{ \sqrt[4]{\left| \left( |\phi|^2 \times 2 \times \frac{d}{\mu} \right)^2 - (3 |\psi|^2 \kappa^2) \right|}, \sqrt{2} \phi^2 = k^2 \psi, \right. \\ \left. \lambda = \frac{6.626}{10^{34}}, d = 0.9, \kappa^2 = \left| 2 \left( d - \frac{\lambda}{4} \right) \right|, \mu = \frac{1}{2} (N^2 - N), N = 4 \right\}$$

Result:

$$\left\{ \sqrt[4]{\left| \frac{4 d^2 |\phi|^4}{\mu^2} - 9 \kappa^2 |\psi|^2 \right|}, \sqrt{2} \phi^2 = k^2 \psi, \lambda = 6.626 \times 10^{-34}, \right. \\ \left. d = 0.9, \kappa^2 = 2 \left| d - \frac{\lambda}{4} \right|, \mu = \frac{1}{2} (N^2 - N), N = 4 \right\}$$

Substitution:

$$\sqrt[4]{\left| \frac{4 d^2 |\phi|^4}{\mu^2} - 9 \kappa^2 |\psi|^2 \right|} \approx 2.00622 \sqrt{|\psi|}$$