6-20)
$$\langle p^{2} \rangle = \int dx \ \psi^{2}(x) (-i \log x) \psi(x)$$

$$= \int dx \ \psi^{2}(x) (-i \log x) \psi(x)$$
Sohrödinger $\sqrt{1 - \frac{1}{2}} \frac{d^{2}}{dx^{2}} + V(x) \int \psi(x) = E \psi(x)$

$$= \int dx \ \psi^{2}(x) = \lim_{x \to \infty} (E - V(x)) \psi(x)$$

$$= \lim_{x \to \infty} \langle p^{2} \rangle = \int dx \ \psi^{2}(x) 2 \omega (E - V(x)) \psi(x)$$

$$= 2 \omega \langle E - V(x) \rangle$$

$$= \lim_{x \to \infty} \langle p^{2} \rangle = 2 \omega \langle e \rangle$$

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