



Approach
$$\frac{1}{2}$$
 $\langle \widehat{\chi}(t) \rangle = \langle \Psi(t) | \widehat{\chi} | \Psi(t) \rangle =$
 $= \langle \Psi(t_0) | \widehat{u}^{\dagger}(t_1, t_0) \widehat{\chi}(t_1, t_0) | \Psi(t_0) \rangle$
 $\stackrel{\widehat{\chi}}{\chi}_{h}(t) = e^{i\frac{\widehat{p}^{\star}(t_1 + t_0)}{2mh}} \widehat{\chi}_{e} e^{i\frac{\widehat{p}^{\star}$

Equation of mater:
$$-CT Ch \ge G$$

ith $\frac{d}{dt} \stackrel{\wedge}{A}_{H} (t) = [\stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}] + [\stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}] = [\stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}] + [\stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}] \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}] + [\stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}] \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}] + [\stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}] \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}] \stackrel{\wedge}{A}_{H} \stackrel{\wedge}{A}_{H}$

eq. of mation:
$$\times (1)$$
 $\longrightarrow \hat{\times}_{R} (1)$
 $p(1)$ $\longrightarrow \hat{p}_{R} (1)$
 E_{Rample} : classical 1D Harmonic oscillator

 $E = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $E_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $E_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $E_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{1}{2} \text{ mow}^{2} \times^{2} (1)$
 $e_{Rample} = \frac{p(1)}{2m} + \frac{p(1)}{2m$