

$$tC_{i_} := \mathbb{E} \left[\emptyset, \emptyset, T_i^{1/2} e^{-\epsilon a_i \hbar} + \emptyset \$k \right];$$

$$\overline{tC_{i_}} := \mathbb{E} \left[\emptyset, \emptyset, T_i^{-1/2} e^{\epsilon a_i \hbar} + \emptyset \$k \right];$$