Publed brandon mechanilez

Co posiebyjeme anail a levandor mechaniky?

Schrödingerona rovnici

Cason vyrog

Hamiltoniac

$$H = \sum_{n,m} k_{nn} |n\rangle\langle m| \Rightarrow \begin{pmatrix} \varepsilon_0 & k_{0\eta} & \cdots \\ k_{q0} & \varepsilon_2 & k_{q2} & \cdots \\ \vdots & k_{1q} & \varepsilon_3 \end{pmatrix}$$

Specialm base - diagonalicujice bamictonian { la>} $H(\alpha) = \varepsilon_{\alpha}(\alpha)$

$$H = \sum_{\alpha} \mathcal{E}_{\alpha} |\alpha\rangle\langle\alpha| = \sum_{\alpha \neq s} |\alpha\rangle\langle\alpha| \sum_{m \neq s} \mathcal{E}_{m \neq s} |\alpha\rangle\langle\alpha| |\beta\rangle\langle\alpha|$$

$$\stackrel{\sim}{=} \sum_{\alpha} |\alpha\rangle\langle\alpha| \sum_{m \neq s} \mathcal{E}_{m \neq s} |\alpha\rangle\langle\alpha| |\alpha\rangle\langle\alpha| |\alpha\rangle\langle\alpha|$$

$$\stackrel{\sim}{=} \sum_{\alpha} |\alpha\rangle\langle\alpha| \sum_{m \neq s} \mathcal{E}_{m \neq s} |\alpha\rangle\langle\alpha| |\alpha\rangle\langle\alpha| |\alpha\rangle\langle\alpha|$$

Evoluen operator

$$U(t) = \mathcal{L} = \sum_{\kappa} -\frac{\lambda^{\kappa}}{t} \mathcal{E}_{\kappa} t$$

$$U(\xi) = \mathcal{L} = \sum_{\kappa} \mathcal{L} = \mathcal{L} \mathcal{E}_{\kappa} t$$

Staroy reletor

$$(V(H)) = \sum_{n} a_n(H)(n) = \sum$$

V basi vlastruce stan hamiltomárun

$$| \Upsilon(t) \rangle = \sum_{\alpha} Q_{\kappa}(t) | \kappa \rangle = \sum_{\alpha} Q_{\kappa}(0) \ell^{\frac{1}{4}} \mathcal{E}_{\kappa} t$$

Pouaitien evoluentes operatour:

$$V(+)|V(0)\rangle = \sum_{\alpha} e^{-\frac{1}{4}} \epsilon_{\alpha} + (\alpha)\langle \alpha | \geq q_{\alpha}(0) | p \rangle$$

$$\langle \alpha | p \rangle = d_{\alpha} p$$

$$= \sum_{\alpha} \ell^{\frac{1}{4}} \mathcal{E}_{\alpha}^{\dagger} d_{\alpha}(0) / \mathcal{K} \rangle$$