

Quiz 1 - Molecular Modeling & Simulation

Attempt to cheat/using phone -> '0' in this test

1. Show that the Energy operator (Hamiltonian) of a particle moving in a one-dimensional box is Hermitian.
2. Explain conjugate gradient method using a flowchart
3. State and prove variational principle
4. Write the Schrödinger equation for Hydrogen atom in SPHERICAL coordinate system.