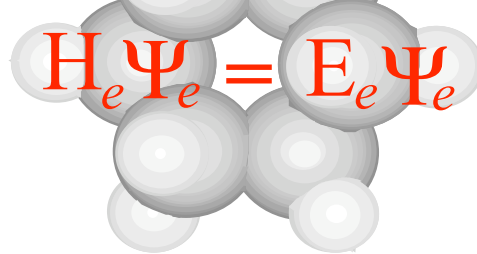


Master course Quantum Chemistry

2009-2010



Expansion of the Many-Electron Wave Function

$$\Psi_e = \Phi_0 + \sum_i C_i^a \Phi_i^a + \sum_{ij} C_{ij}^{ab} \Phi_{ij}^{ab} + \dots$$

$$\Phi_0 = A \phi^1 \phi^2 \dots \phi^l \dots \phi^j \dots$$

Expansion of the One-Electron Orbitals

$$\phi^i = \sum_m^n c_m \chi_{m_i}$$

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