

Quantum Chemistry

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1 Introduction

2 Classical Chemistry

(What do we mean by spin coordinate ω ?) By multiplying a spatial orbital with any one of these spin function, we obtain spin orbital $\chi(\mathbf{x})$ where \mathbf{x} specifies both spatial coordinate \mathbf{r} and spin coordinate ω . X – 5 So for every spatial orbital $\psi(\mathbf{r})$, we have 2 spin orbitals $\Psi(\mathbf{x}_i)$ and $X(\mathbf{x}_i)$.

$$\langle \psi(\vec{t}) | H | \psi(\vec{t}) \rangle$$

$$H\psi = E\psi$$