

H_2 Dissociation Discussions

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1 Introduction to Dissociation problem

2 Restricted Hartree Fock Solution

2.1 Discussion of results

3 Unrestricted Hartree Fock Solution

3.1 Discussion

4 Two Orbital two electron system

4.1 Spin Operator

4.2 Spin Adapted Configurations

5 Configurational Interaction Solution

5.1 Discussion

5.2 Secular Equations and its solution