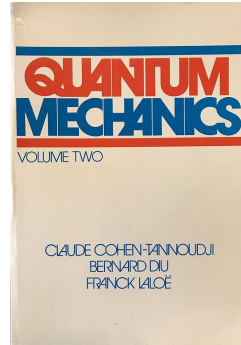


Variational Method

Edrick

References

- Main Reference:



, Complement E_{XI}

- Other reference:



, Chapter 7

; F_{XI} and G_{XI} apply the variational method to simple models

Complement F_{XI}

**ENERGY BANDS OF ELECTRONS IN SOLIDS :
A SIMPLE MODEL**

Complement G_{XI}

**A SIMPLE EXAMPLE OF THE CHEMICAL BOND :
THE H₂⁺ ION**

d. Bonding and antibonding states

7.2 THE GROUND STATE OF HELIUM

partially *shields* the nucleus,

effective nuclear charge (Z)

7.3 THE HYDROGEN MOLECULE ION H₂⁺

(Quantum chemists call this the **LCAO** technique,