

LECTURE 8 p ORBITALS

I. p Orbitals

- A. θ, ϕ dependence
- B. Nodal planes
- C. Angular nodes
- D. Radial probability distributions

II. Wavefunctions for Multielectron Atoms

- A. One electron orbital approximation - Hartree orbitals
- B. Electron configuration
- C. Spin and the Pauli exclusion principle
- D. One e^- wavefunctions for multielectron atoms