

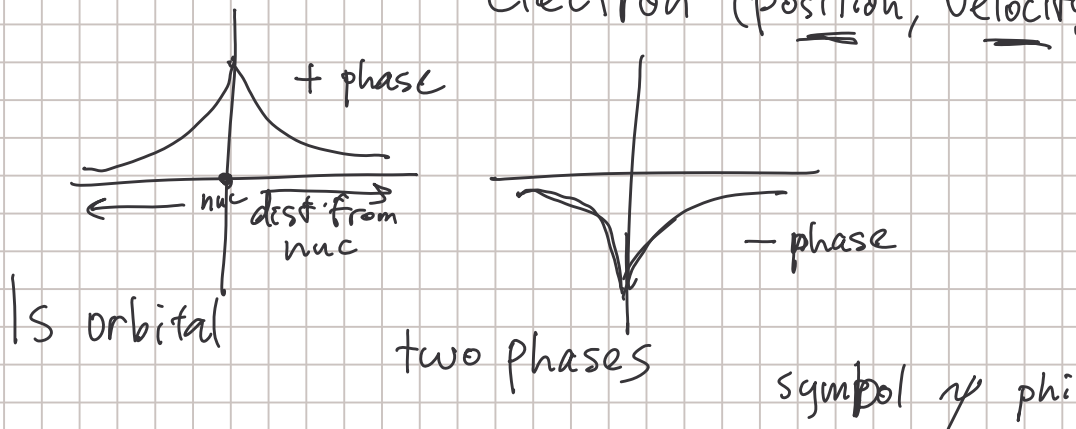
Chapter 2 Structure & Properties

Note Title

8/30/2005

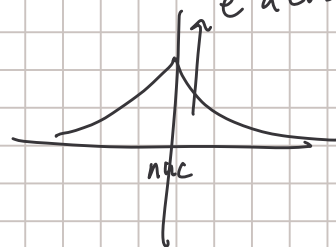
Wavefunction

equation that defines an electron (position, velocity, etc)

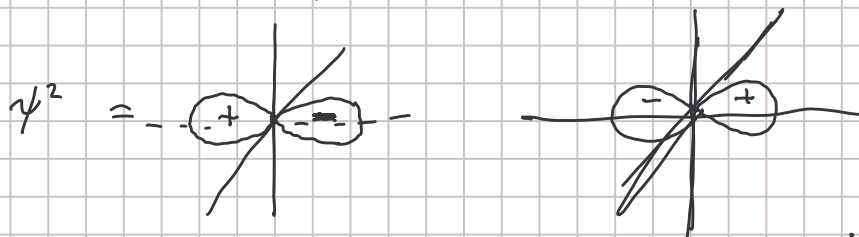
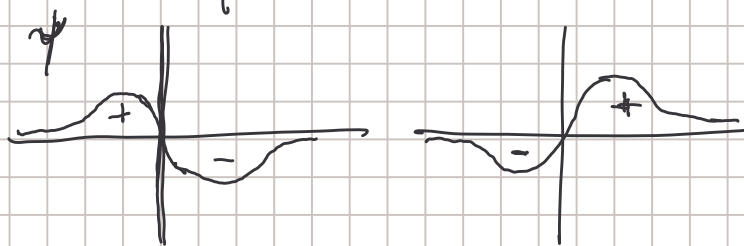


ψ^2 = probability function = electron density
 (probability of finding e^-)

1s orbital



2p orbital



Linear combination of atomic orbitals (LCAO)

Molecular orbital: orbitals on different atoms interact (bonding)

Hybrid Atomic orbital: orbitals on same atom combine (define geometry)