Tight Birding Model \rightarrow ch. 10 -> opposite of NFEM -> assume material is composed of Inearly) distinct atoms re fill atomic orbitals atomic orbitals in neighboring atoms. -> lifts the degeneracy of the atomic evergy levels. Atonic Orbitals: degeneracy in N-cton system S -> 2 × N degenerate

Spin 1, J N atoms p -> 2 x 3 x N = 6N L> px, py, pz d-> 2 x 5 x N = 10 N > generally consider "highest" lying orbital to calc.



