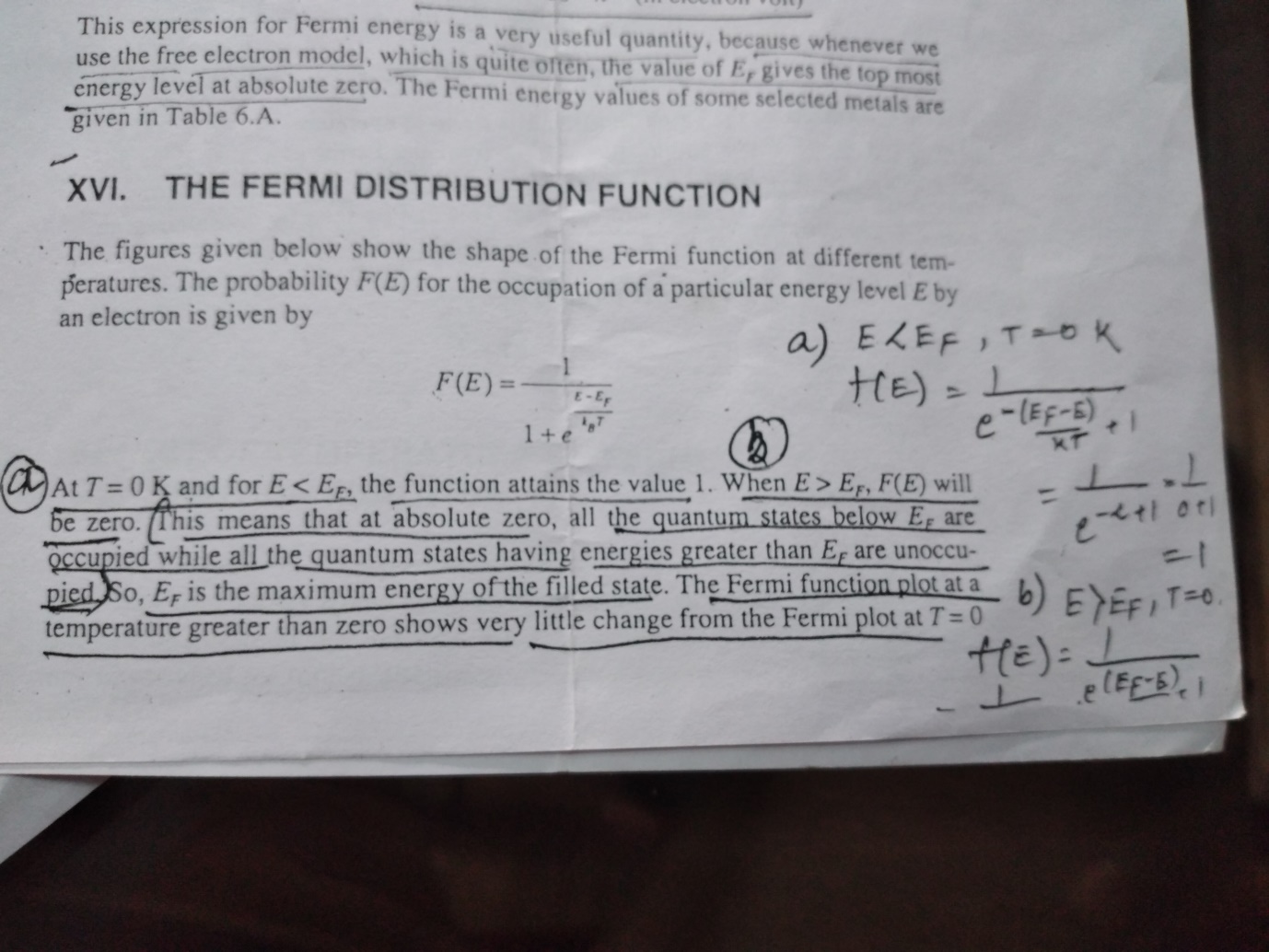
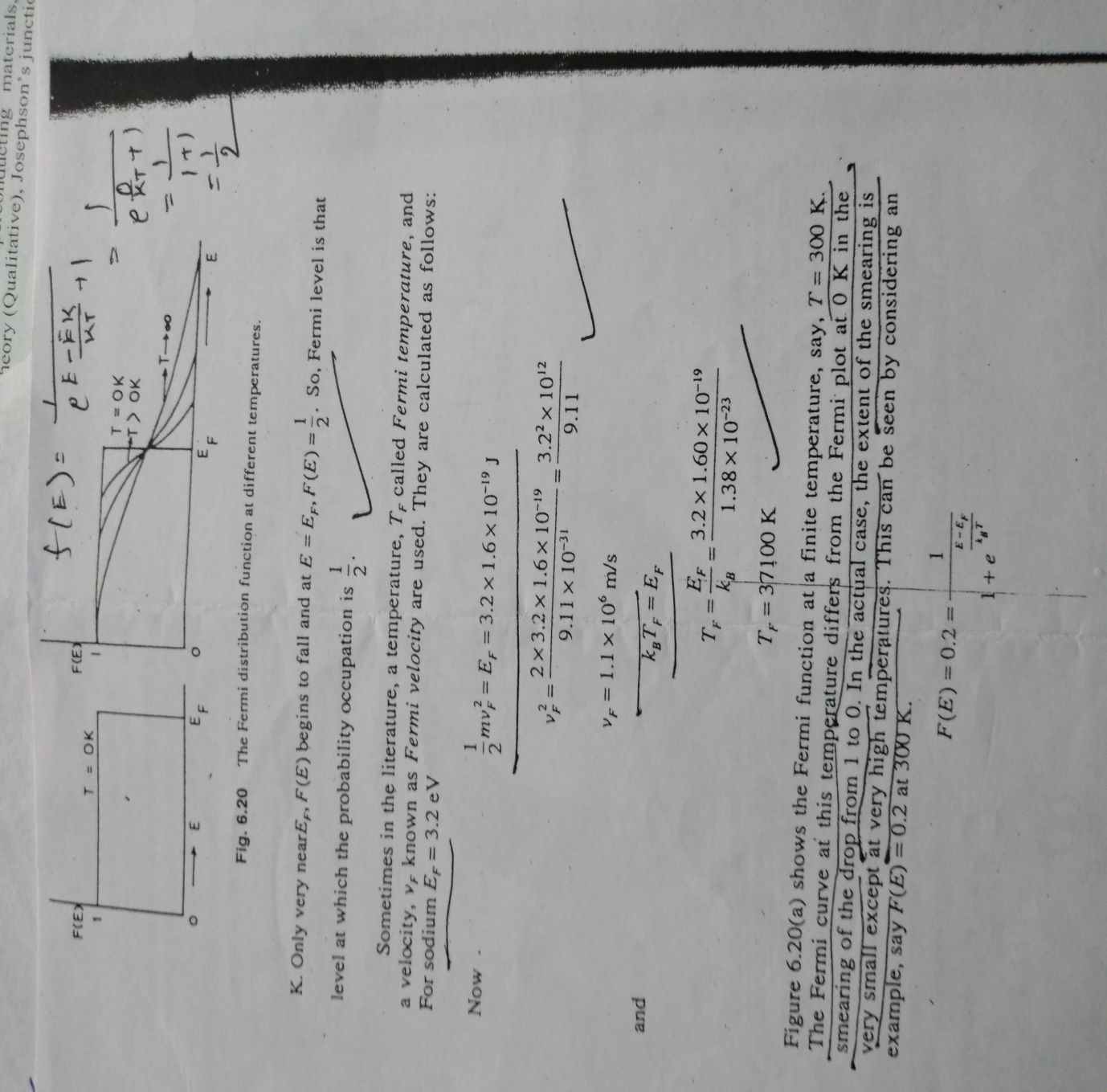
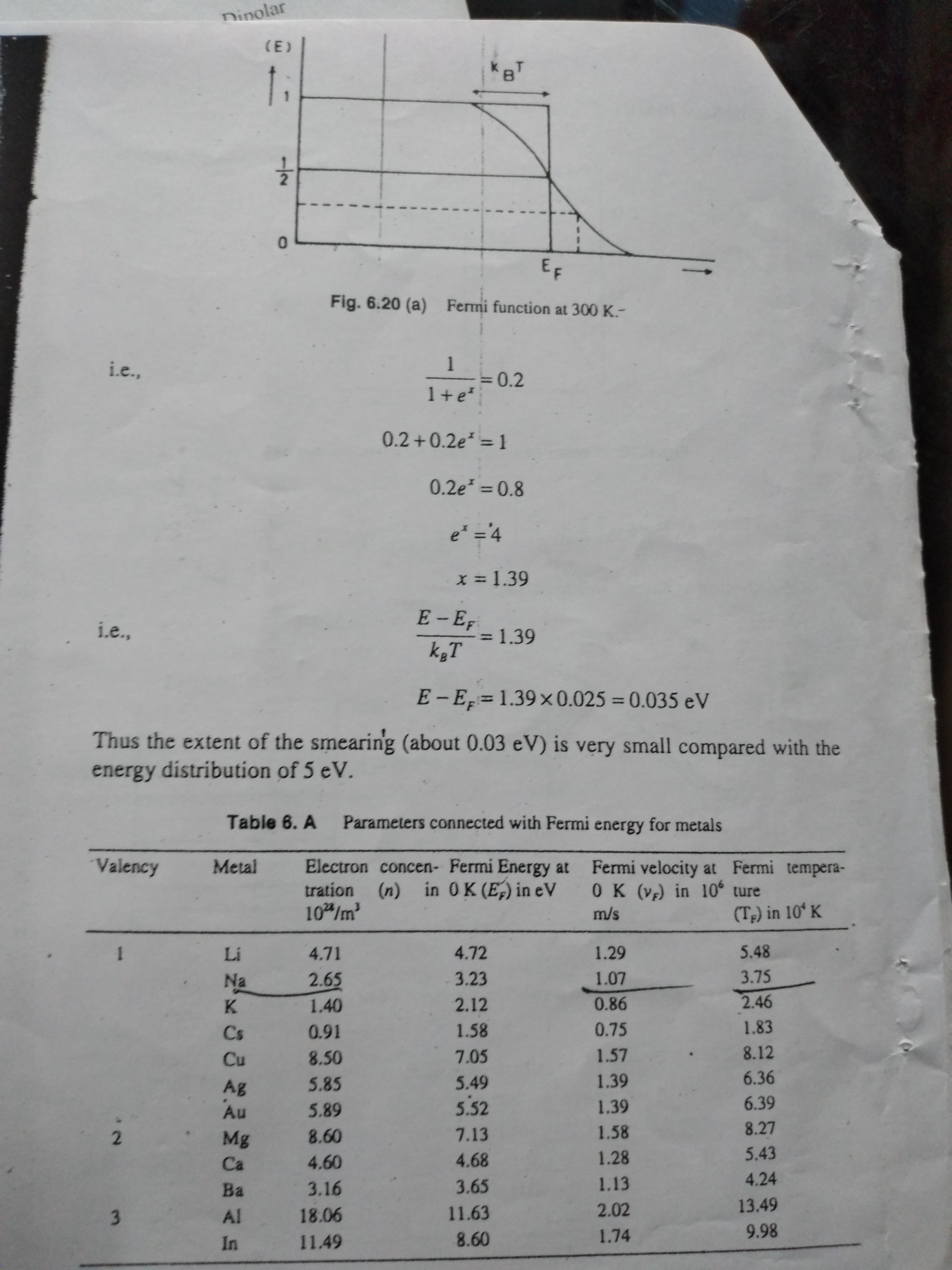
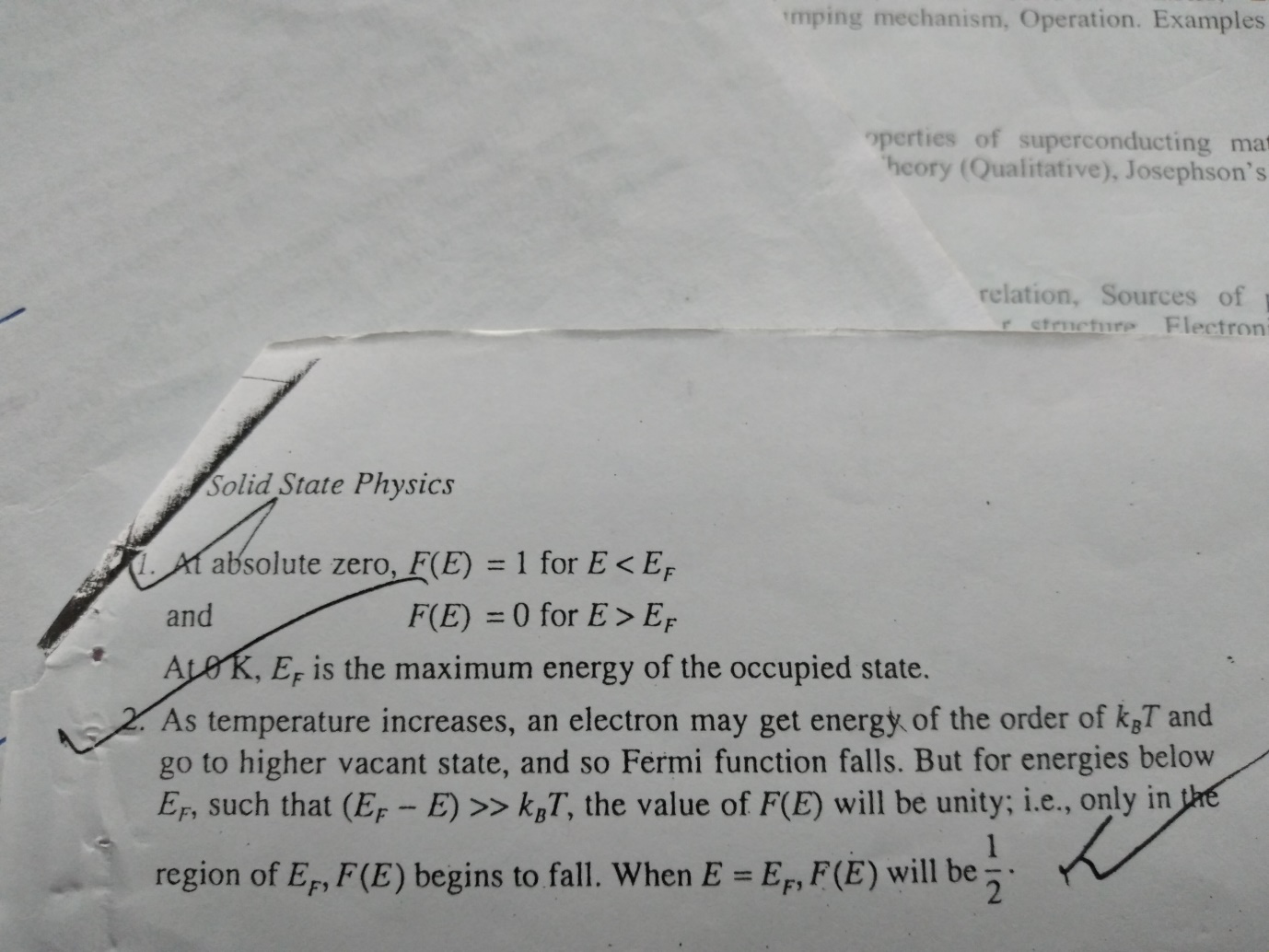


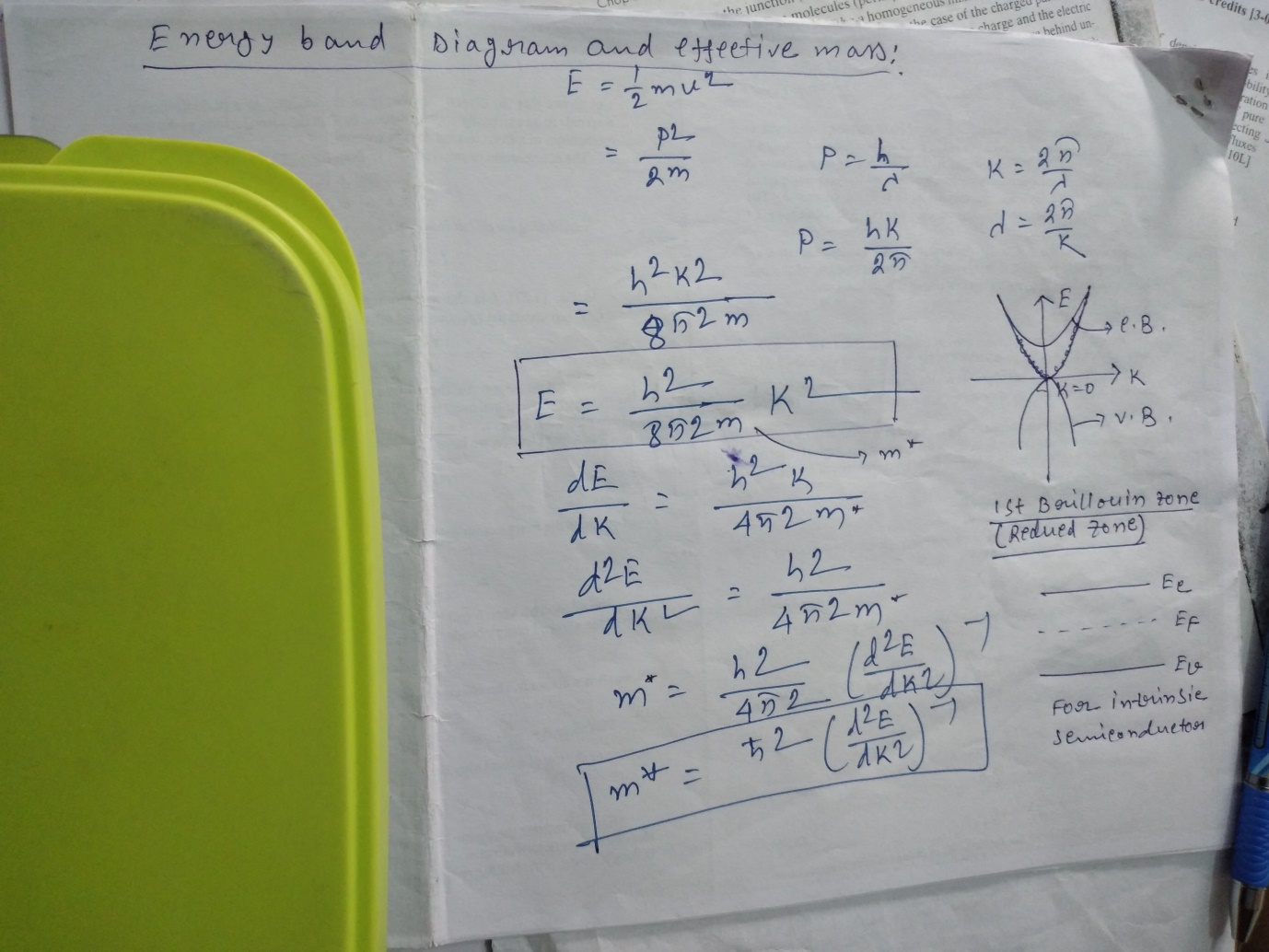
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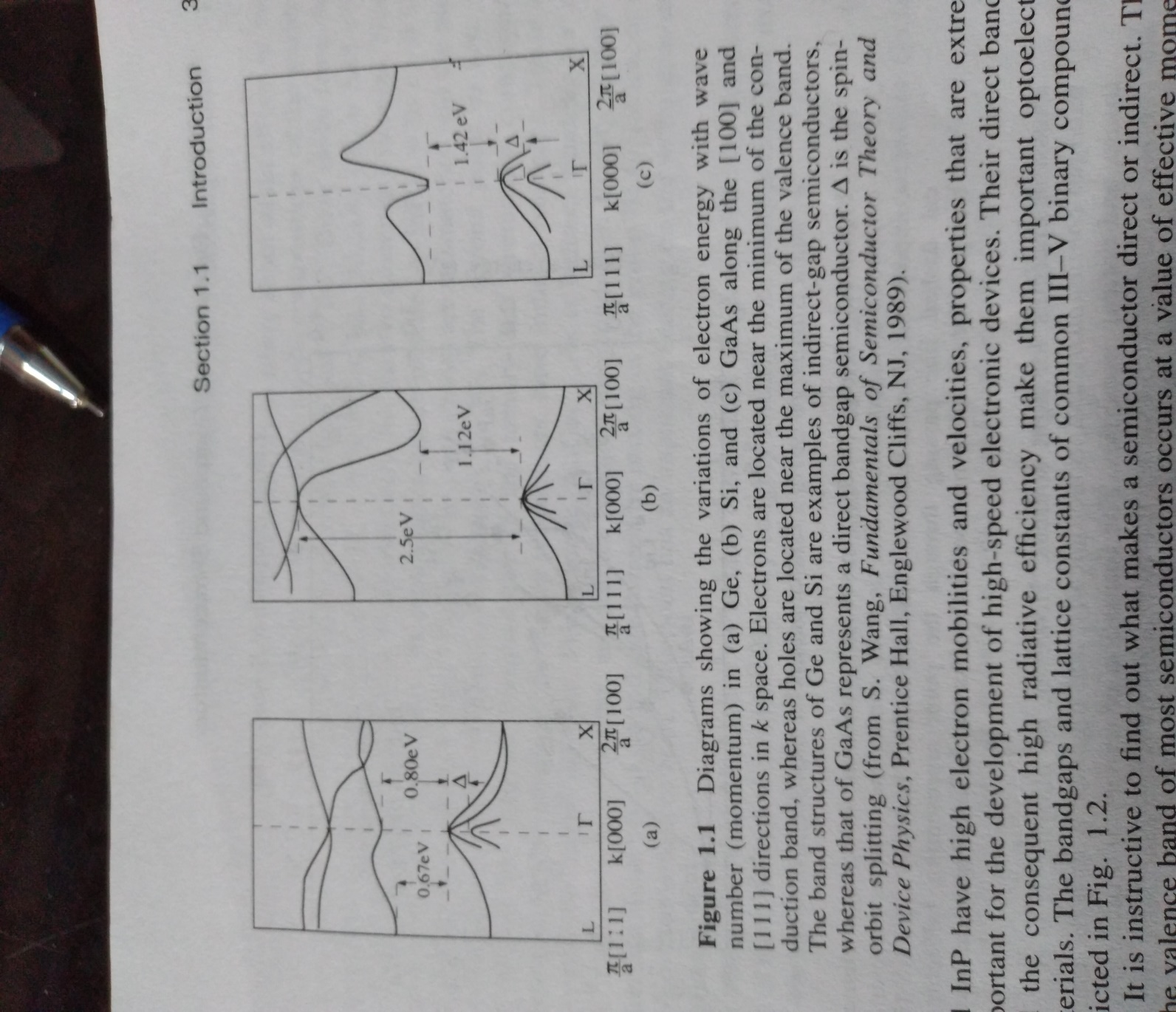


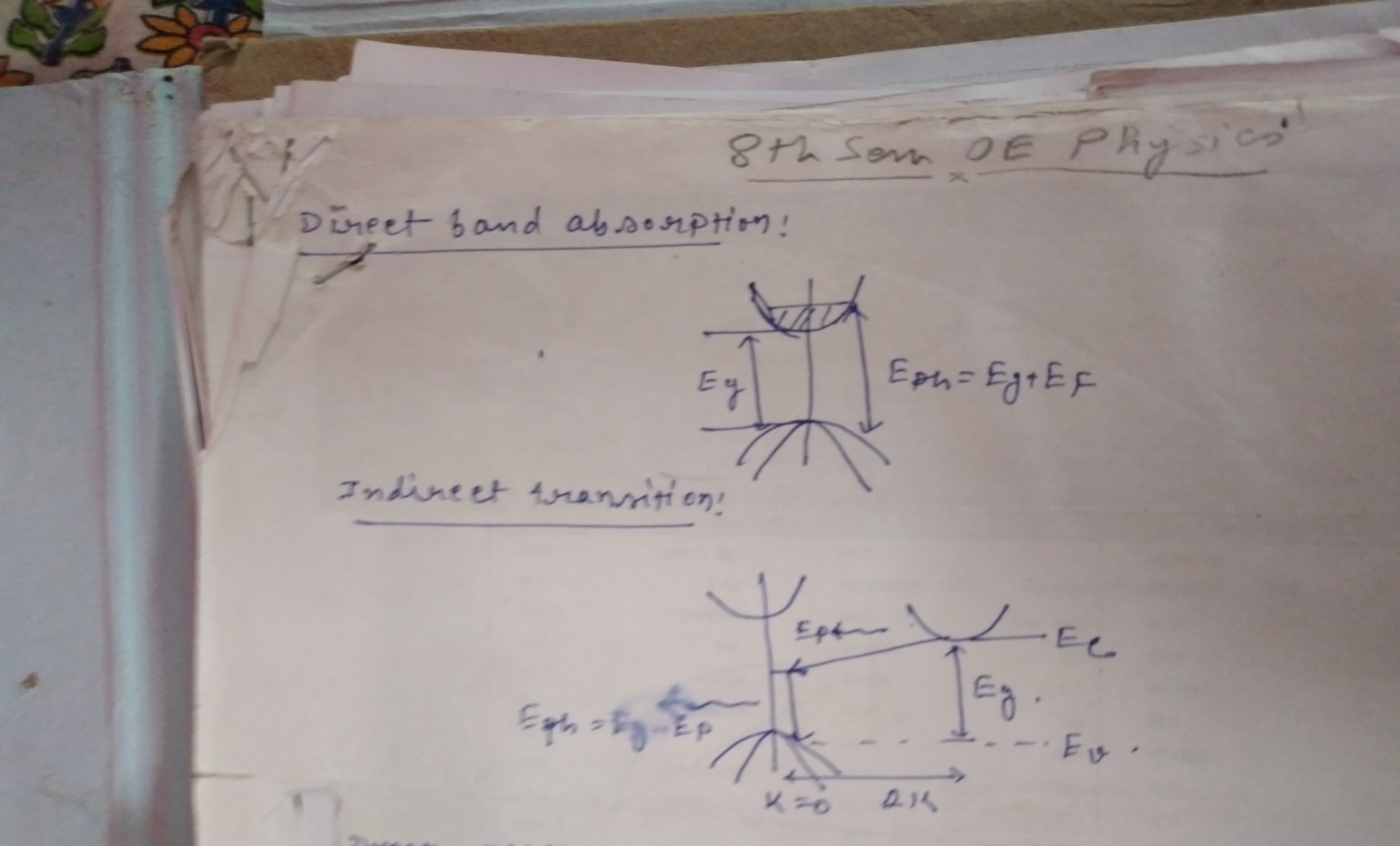


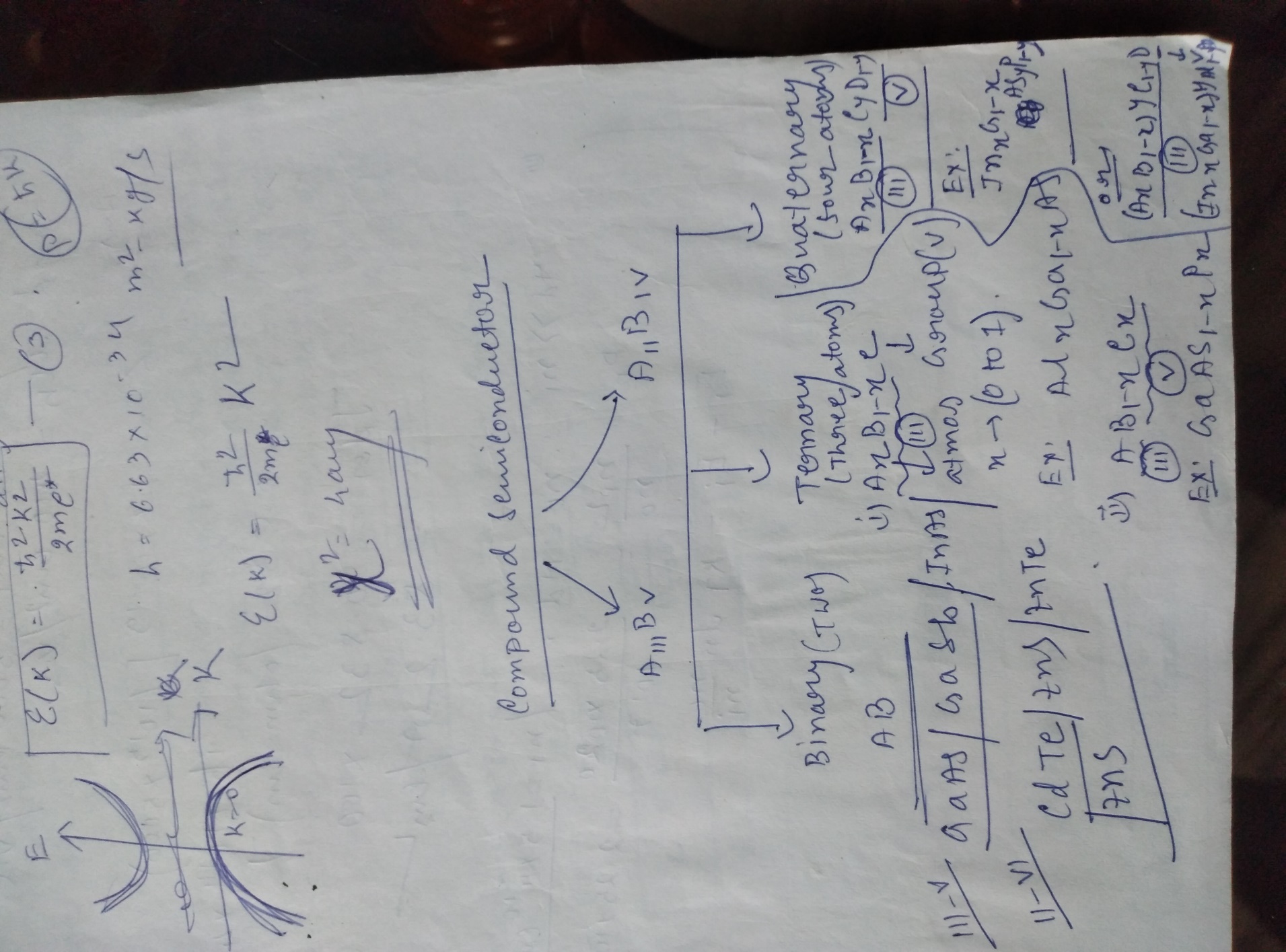




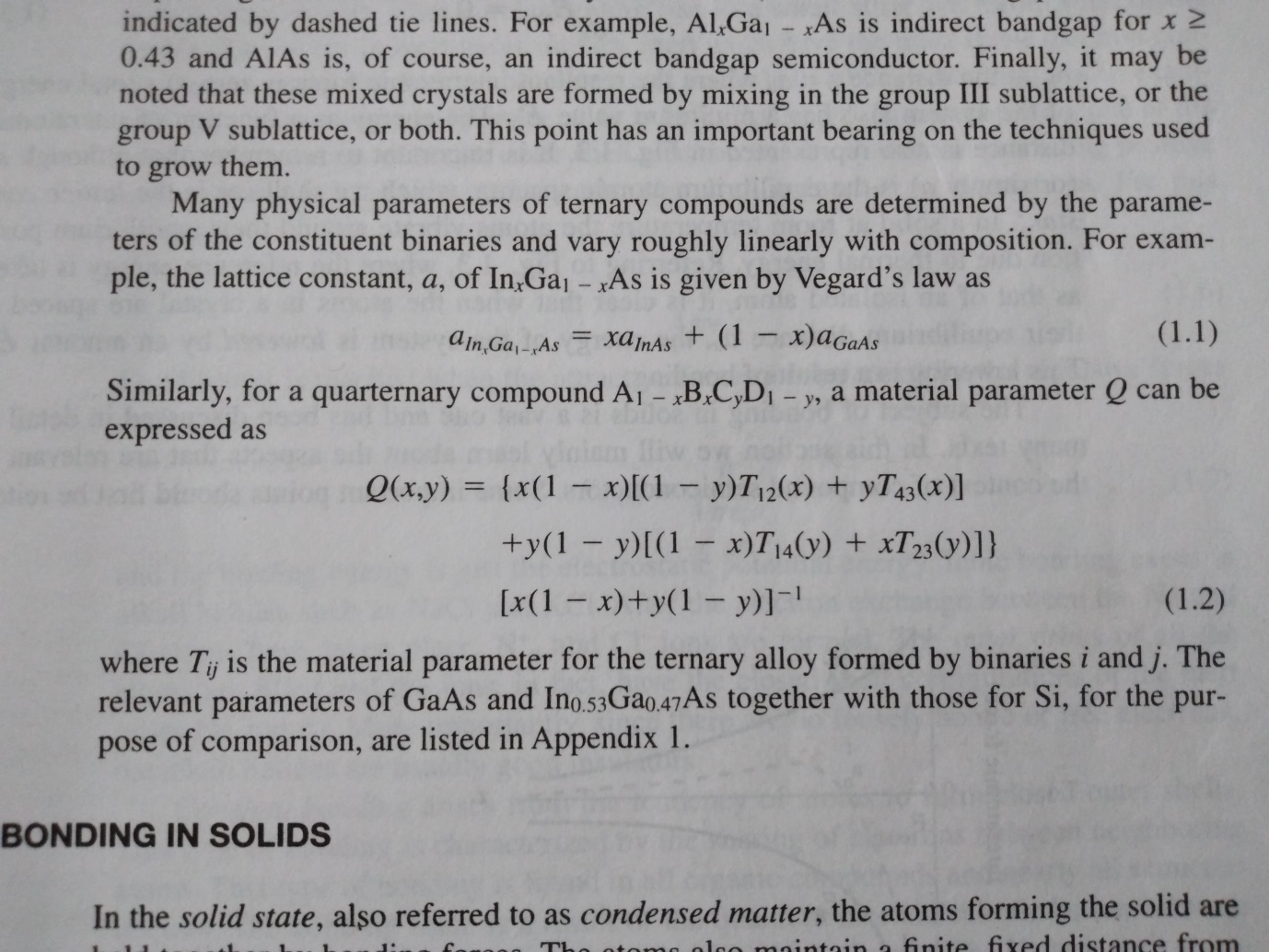


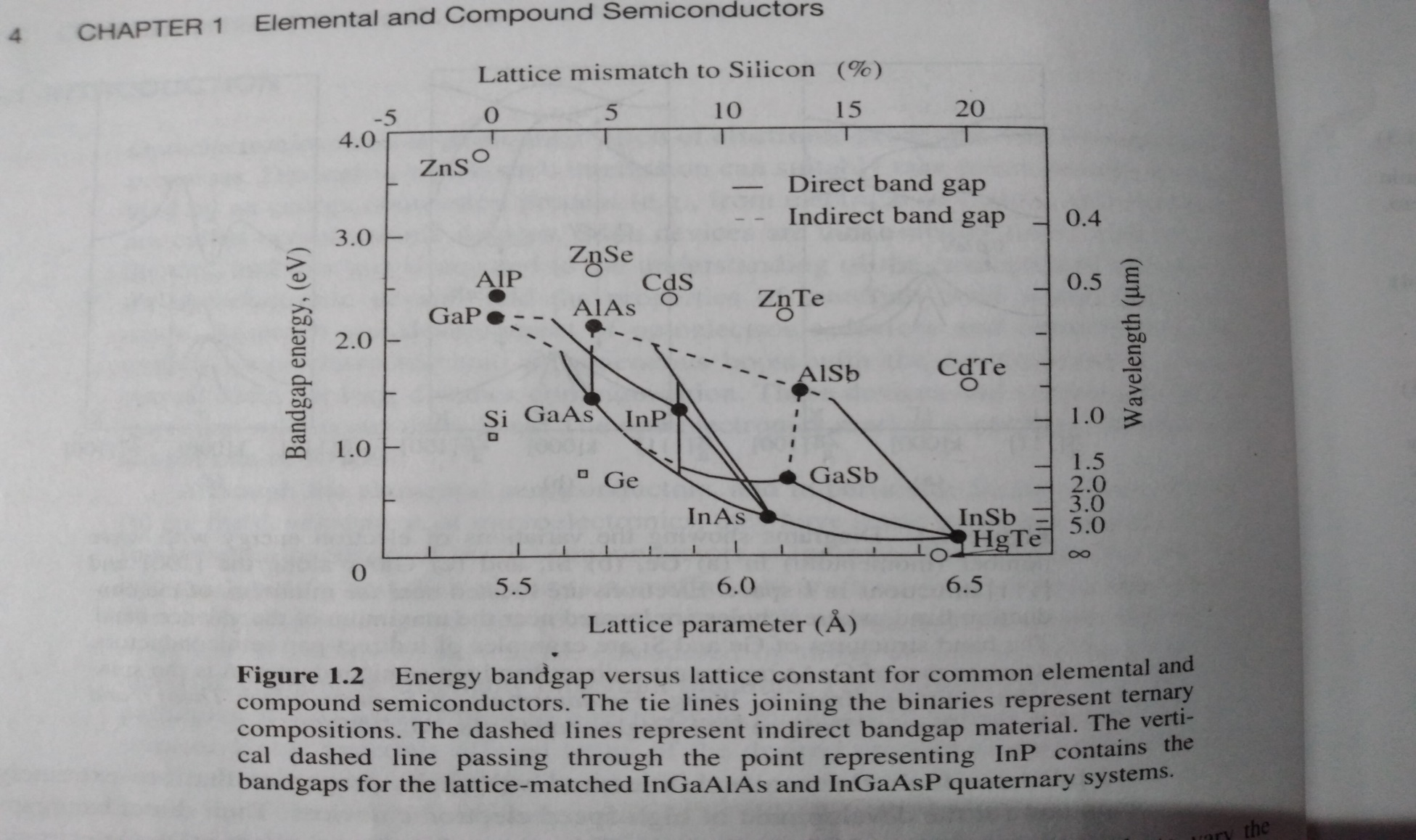


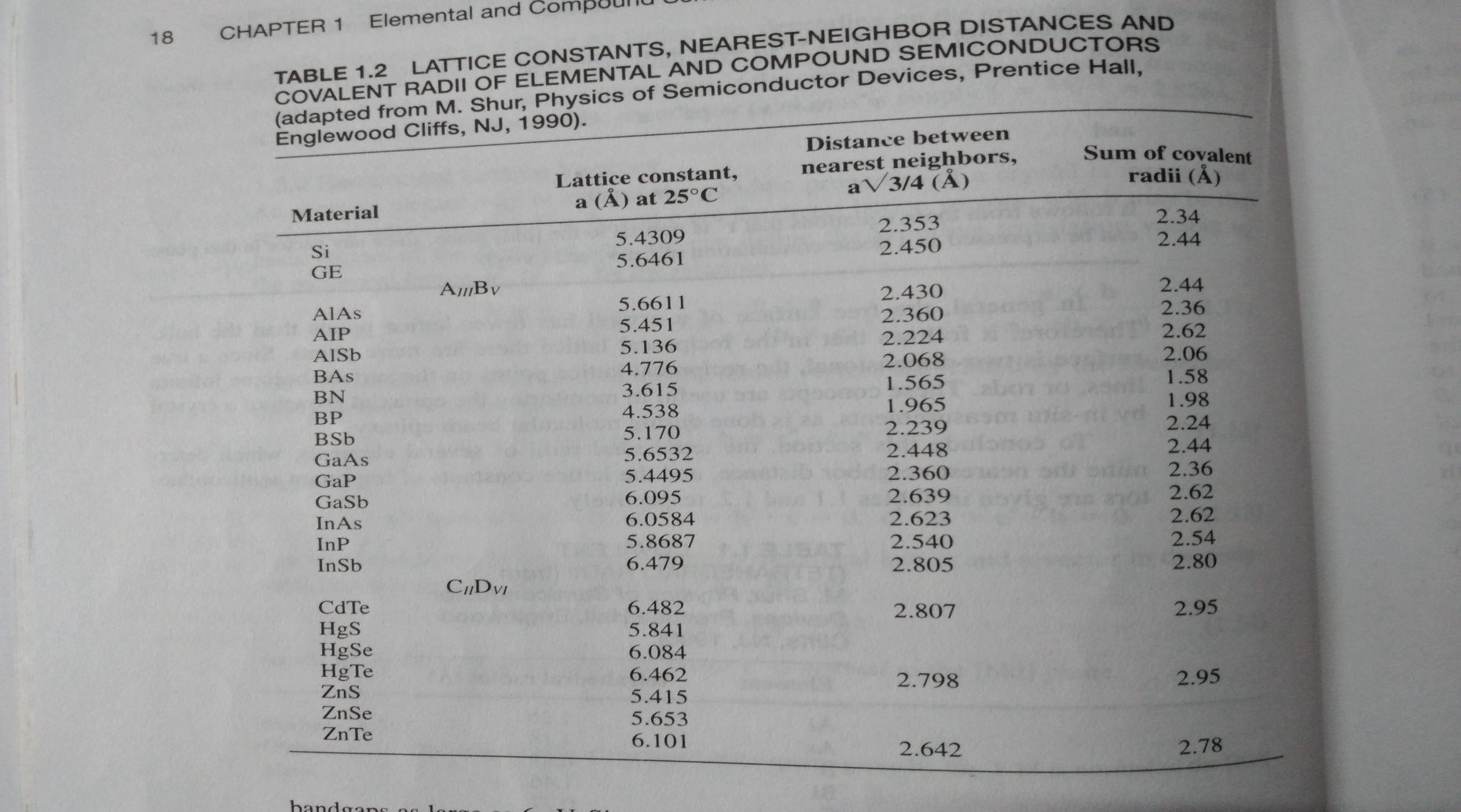




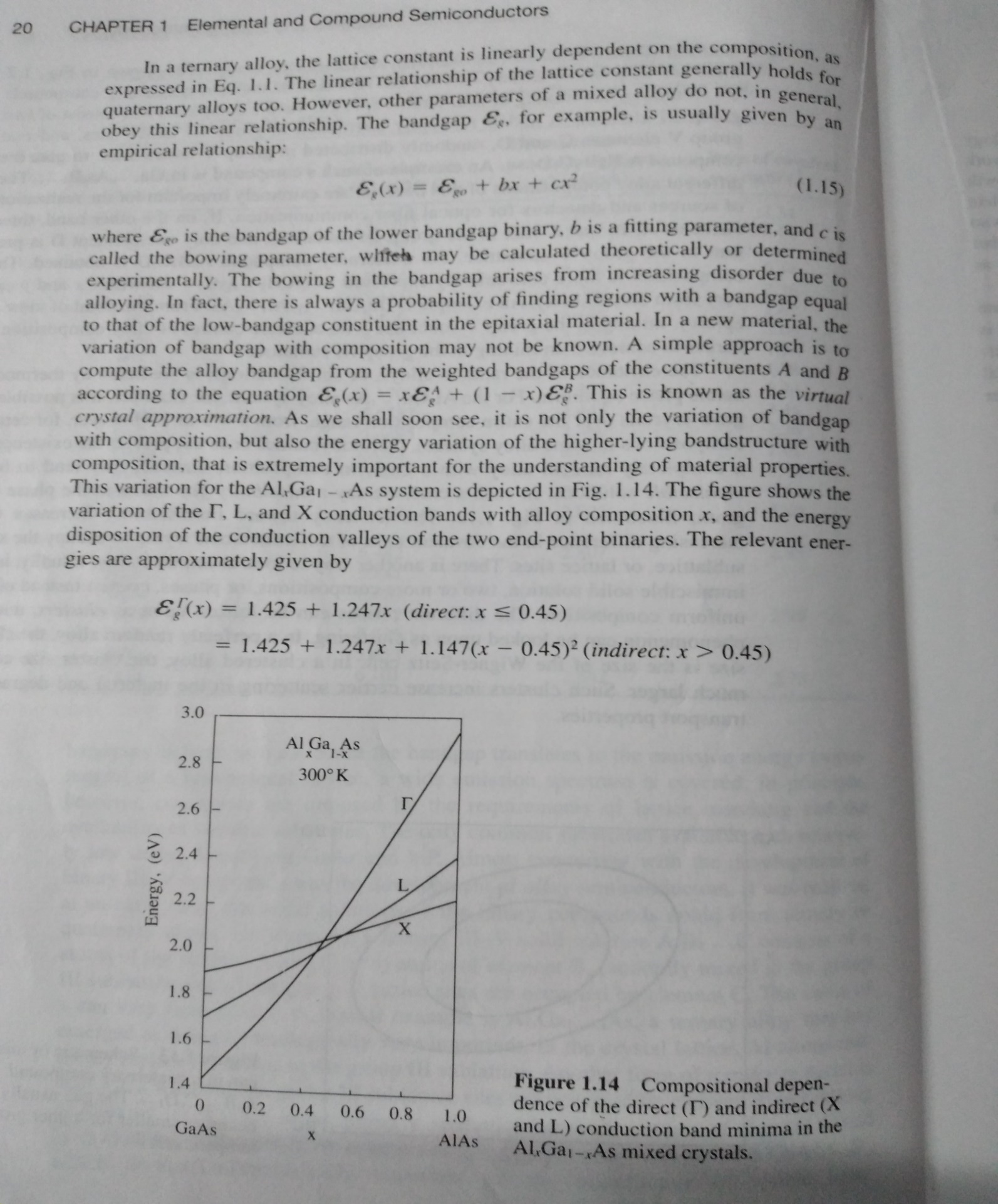
**Lattice constant from Mole fraction:**

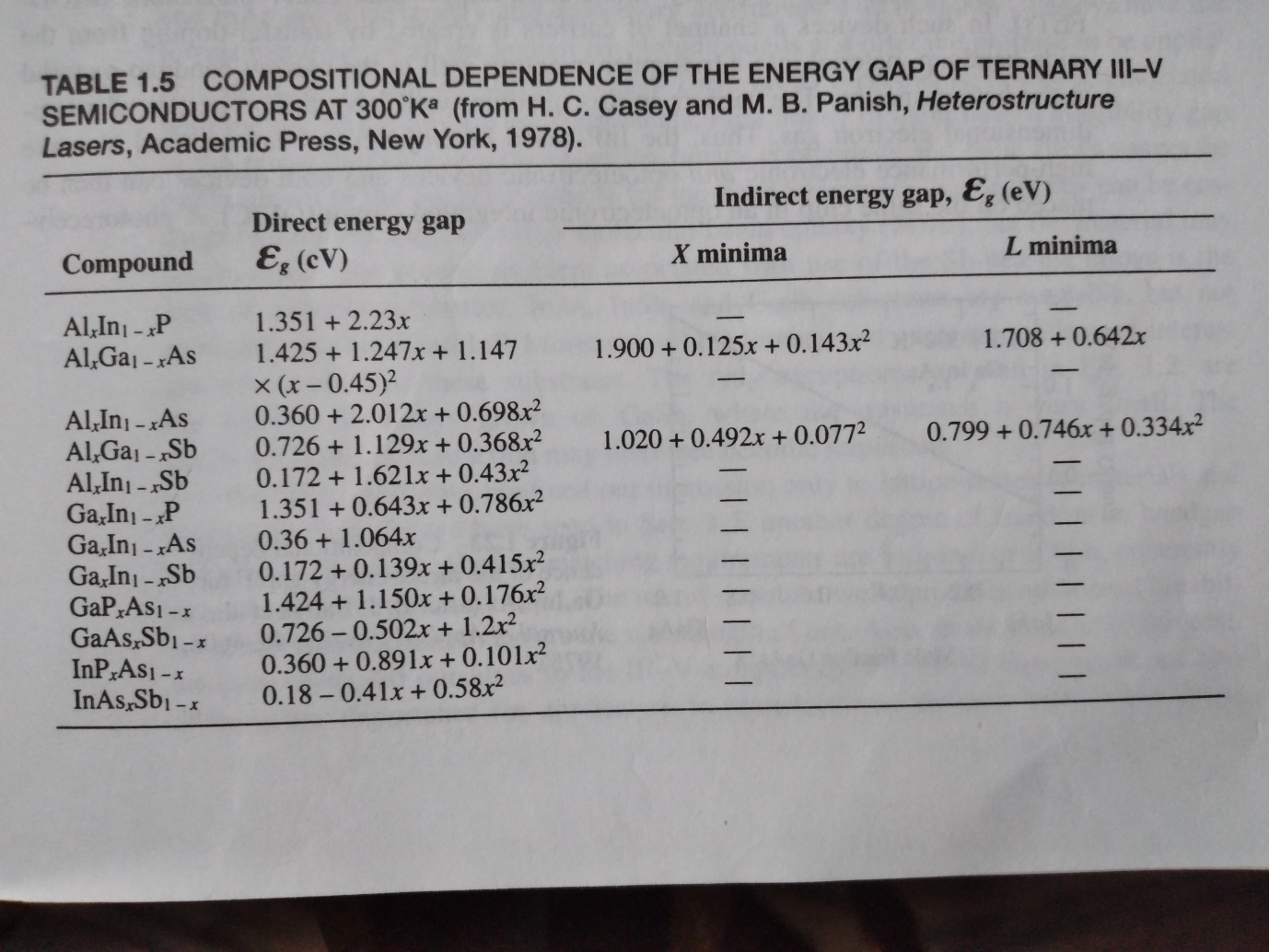
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**Bandgap from Mole fraction:**





* Find the lattice constant of (a) In0.53Ga0.47As, (b) InAs0.4P0.6 and (c) In0.8Ga0.2As0.4P0.6
* Find the Г, X, L minima for Al0.4In0.6P and Al0.53Ga0.47Sb.