

LECTURE 12 IONIC BONDS – CLASSICAL MODEL AND MECHANISM

I. Ionic Bonds – Classical Model and Mechanism

- A. Harpoon Mechanism
- B. Limitations of the model
- C. Energy of Interaction vs. r_e

II. Polar Covalent Bonds and Dipole Moments

- A. Polar covalent bond – asymmetric charge distribution
- B. Dipole moment μ
- C. Measuring dipole moments