Unit 4
Stereocontrolled 1,2–Addition to Carbonyl Groups

★ General Principles
★ Substrate Control: 1,2-Induction by Molecular Framework
★ Substrate Control: 1,3-Induction by Molecular Framework
★ Addition of "Unstabilized" Carbon Nucleophiles
★ Reagent Control: Organozinc and Related Addition Reactions
Alkyl, Alkenyl, and Alkynyl Metal Compounds

Asymmetric Induction by the Molecular Framework


Figure removed due to copyright reasons.

Figure 8. Secondary interactions for anti- and syn-periplanar attacks.