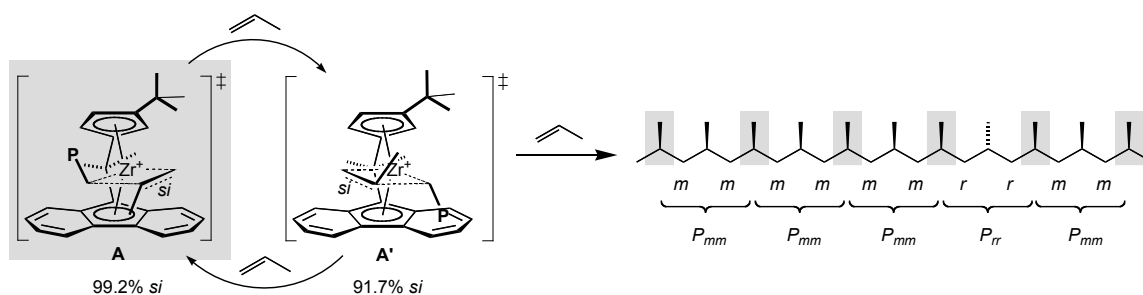


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The Mechanism of Isotactic Polypropylene Formation with C_1 -symmetric Metallocene Catalysts

Stephen A. Miller[†] and John E. Bercaw^{*}



A variety of zirconocenes related to C_1 -symmetric catalyst **A** have been investigated in the MAO-cocatalyzed isoselective polymerization of propylene. Examination of the polypropylene microstructures generated by **A** and these modified zirconocene catalysts under various reaction conditions indicates that an alternating mechanism is operative in which both sites of the metallocene are generally employed for monomer insertion.