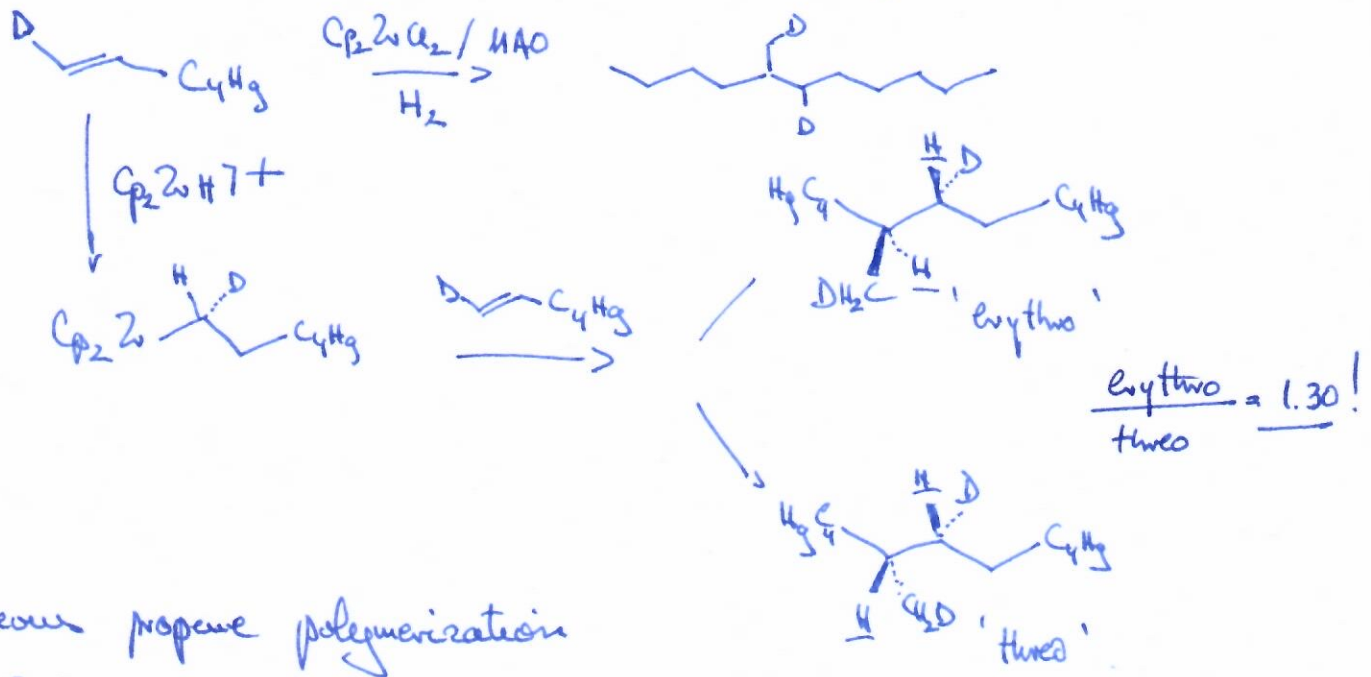


Olefin polymerization, cont'd



Grubbs, Acc. Chem. Res 1996, 29, 85

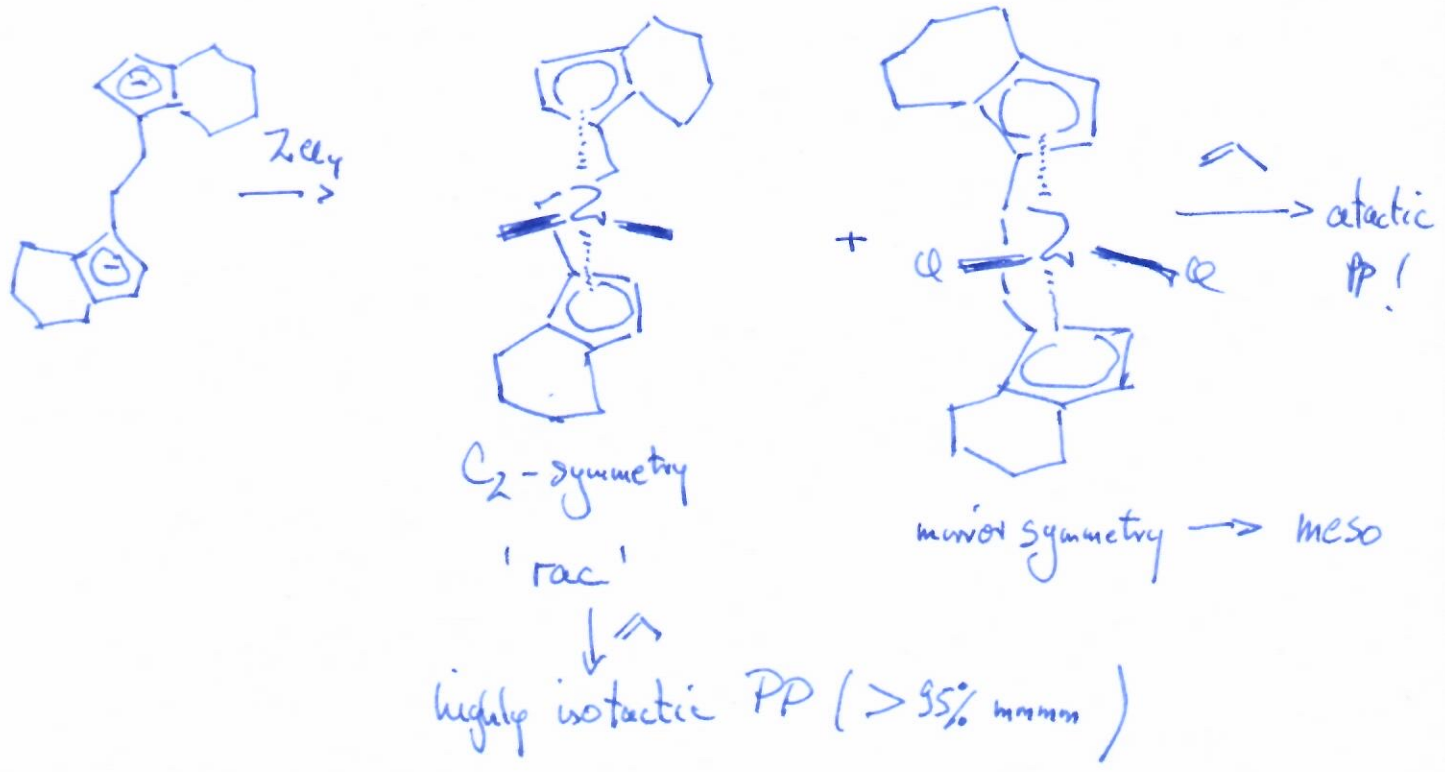
"isotopic perturbation of stereochemistry"

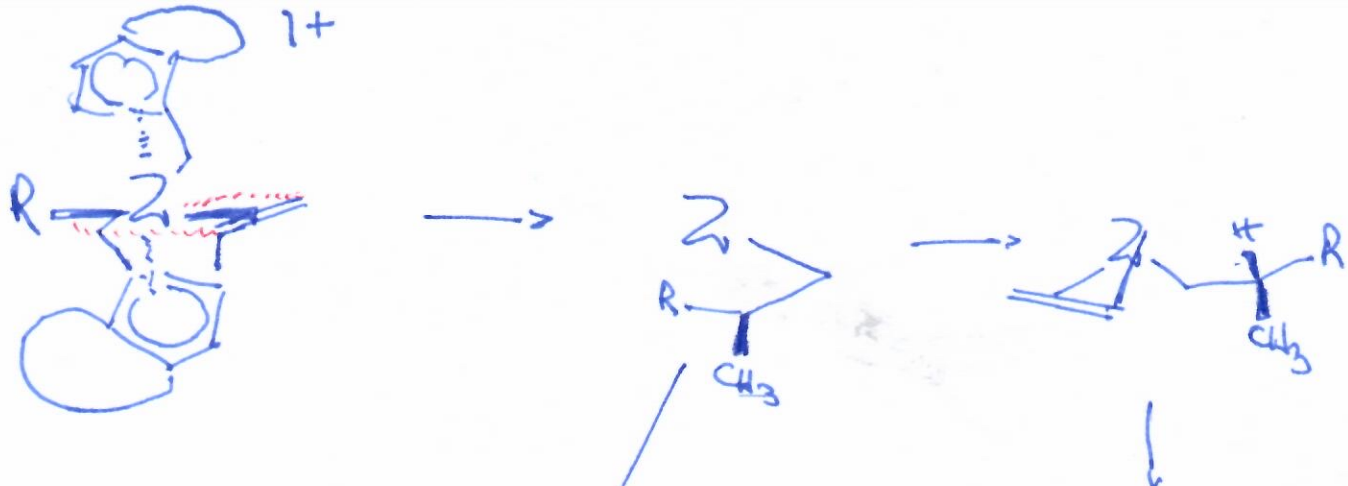


homogeneous propene polymerization

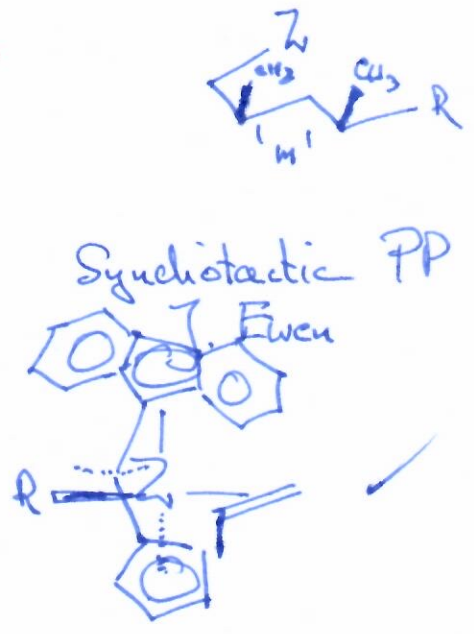
H.H. Brintzinger et al. Angew. Chem. 1995, 34, 1143!

requires chiral (not opt active!) catalyst





→ 'enantiomeric site control'  
 vs /  
~~'chain end control'~~  
 epimerize  
 ↓  
 no effect



'C-H activation'



$D_{C-H} \sim 90-100 \text{ kcal}$

$D_{M-H} \sim 60 \text{ Kcal/mol}$

$D_{M-C} \sim 25 \rightarrow \dots$   
 $\frac{85}{\quad}$

