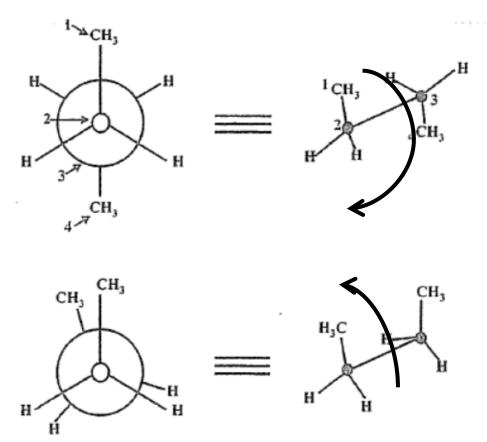
$$10.0FC-C=DPX2$$

$$=5000X2$$

$$=10,000(-1)$$

L= 1540 mas CONTOUR LENGTH -C-C-C-C-C-C-C-109.5° $r = 10,000 \times 0.154 \times Sin(\frac{109.5}{2})$ - 1258 m



HCH3

HCH3

HCH3

$$\phi = -60^{\circ}$$

Staggered conformations

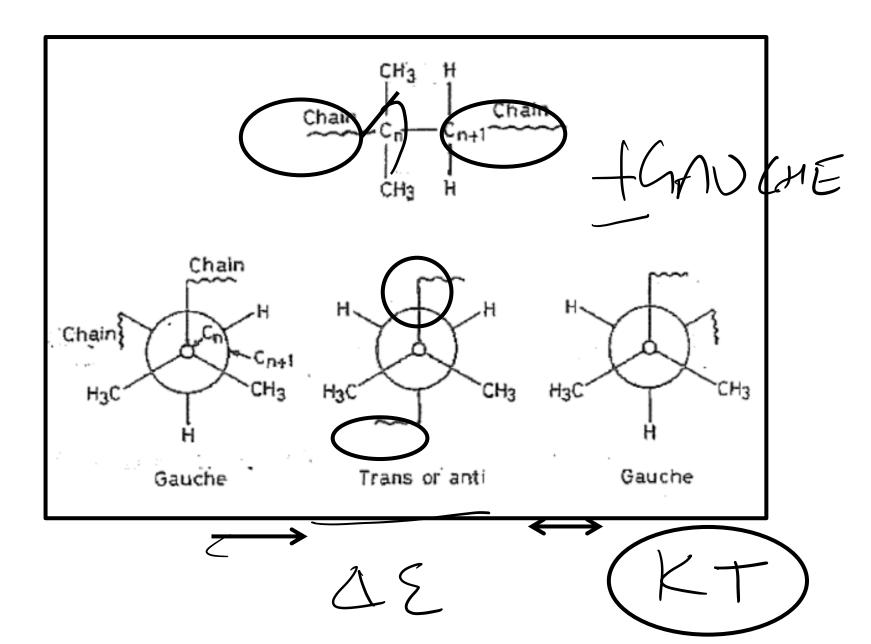
HCH3

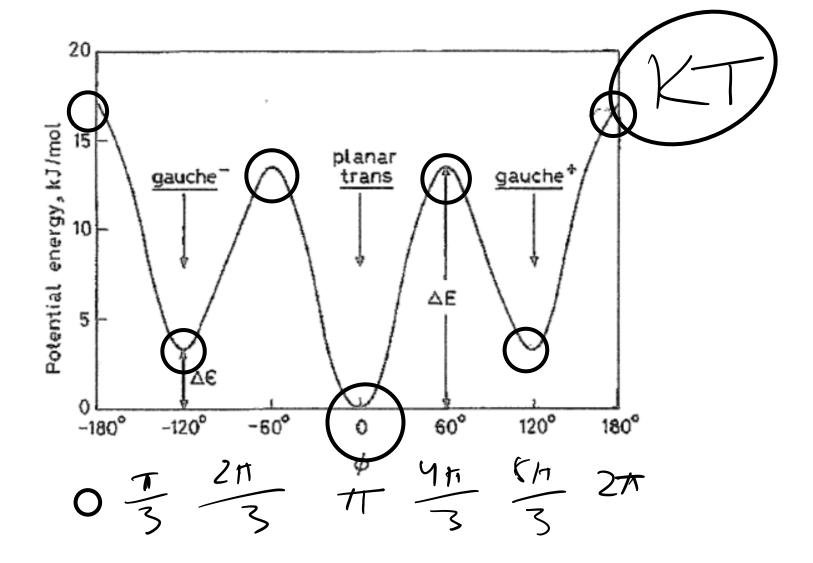
 $\phi = 60^{\circ}$
 $\phi = 60^{\circ}$

HCH3

 $\phi = 60^{\circ}$
 $\phi = 60^{\circ}$
 $\phi = 120^{\circ}$
 $\phi = 120^{\circ}$
 $\phi = 120^{\circ}$
 $\phi = 120^{\circ}$
 $\phi = 120^{\circ}$

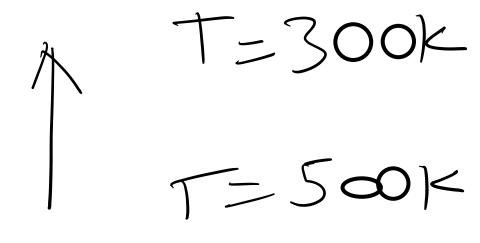
GAUCHE Eclipsed conformations

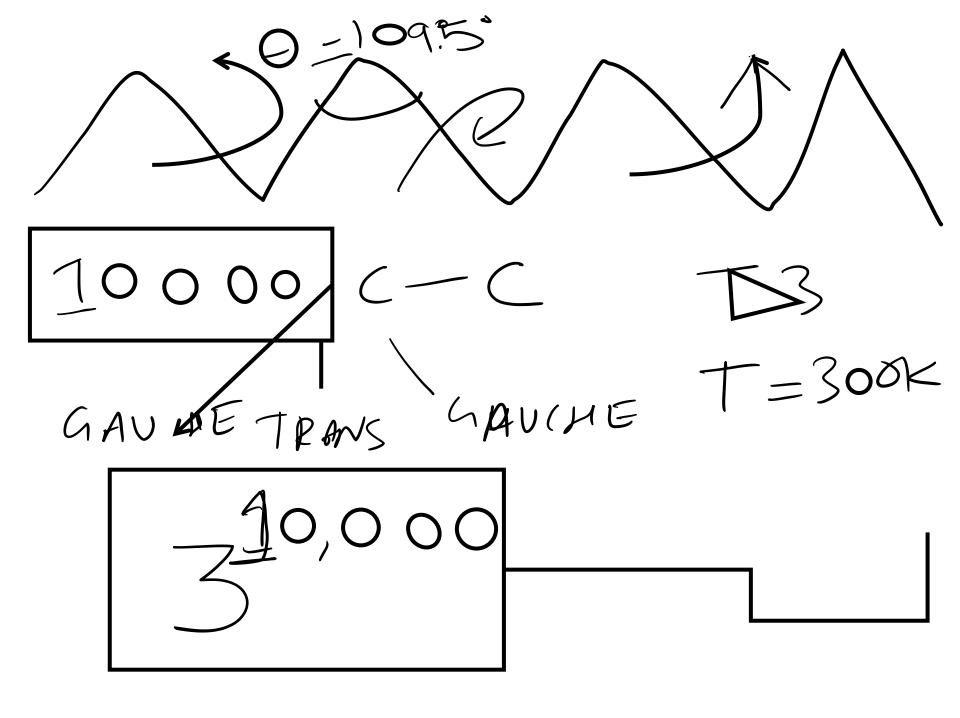


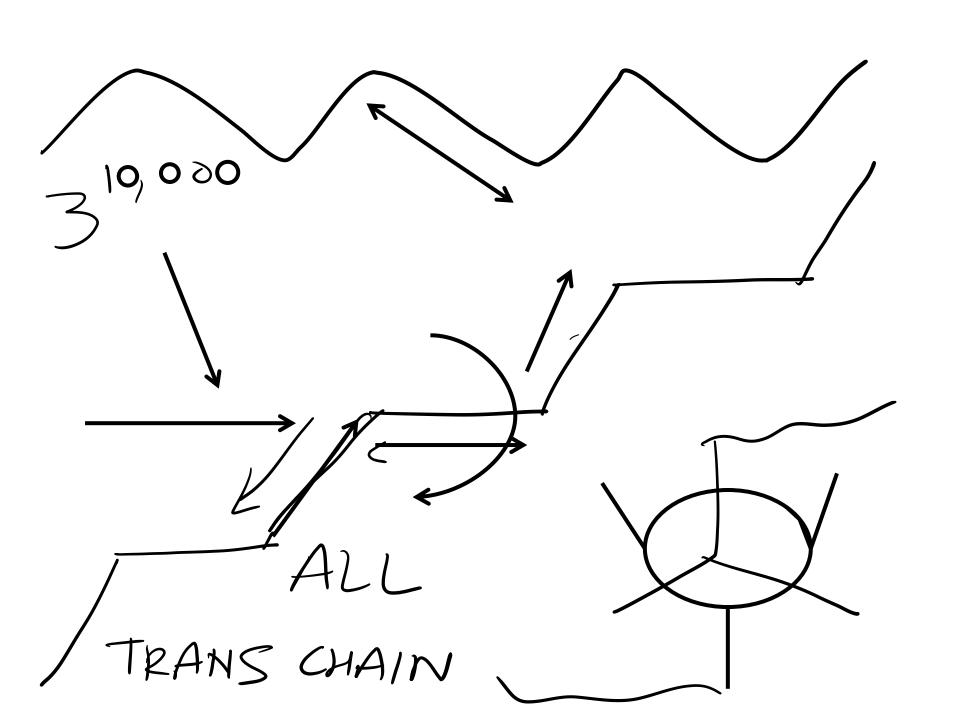


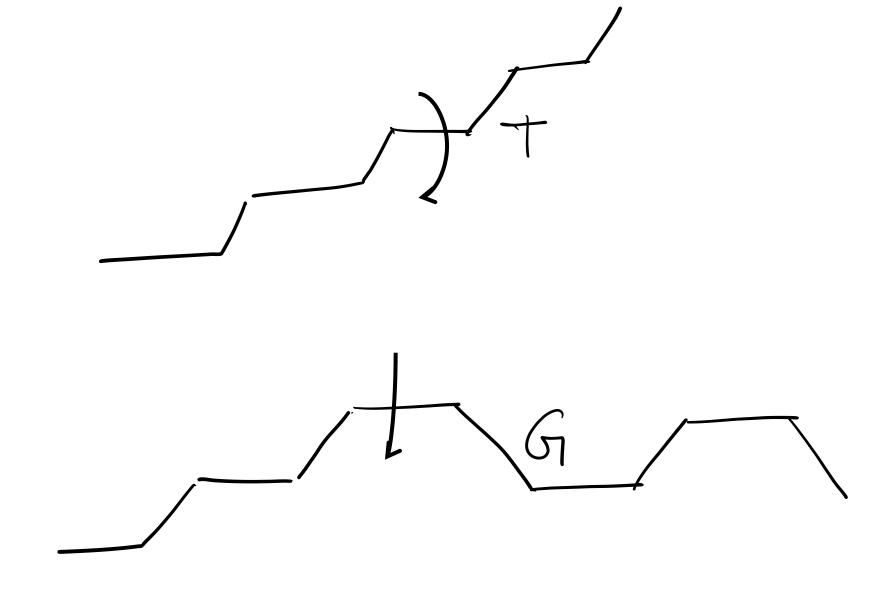
$$\frac{\gamma_g}{\gamma_T} = (2) \exp\left(-\frac{\Delta E}{kT}\right)$$

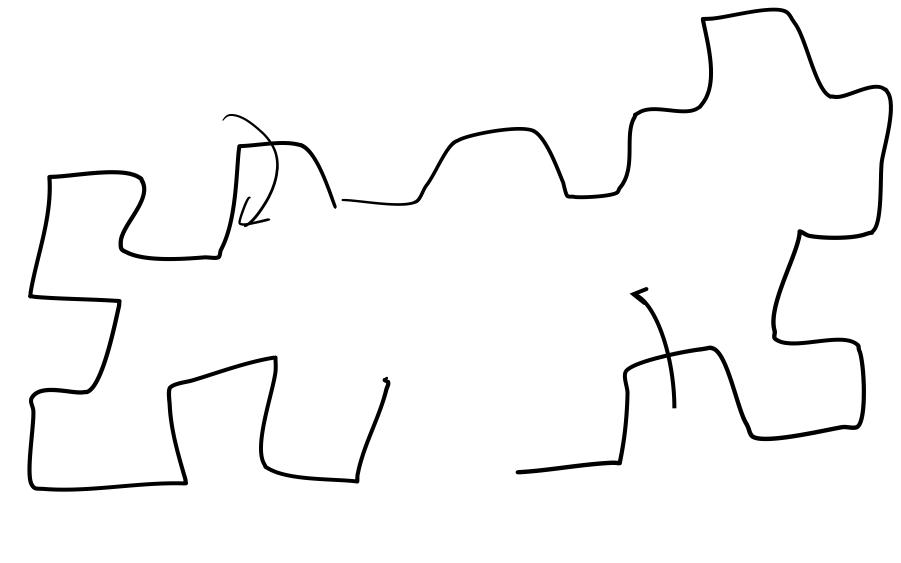
$$\frac{1}{100} = (2) \exp\left(-\frac{\Delta E}{kT}\right)$$











RANDOM COIL