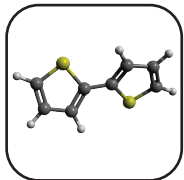
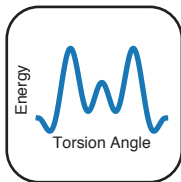


Ground State Dimer Molecule



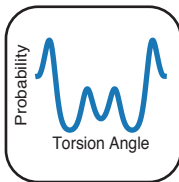
Quantum
Chemistry

Torsion Potential



Boltzmann
Distribution

Torsion Probability

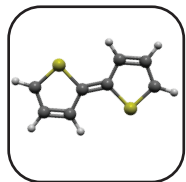


Randomly
Sample N_{GS}
torsions

Single Chain Conformations

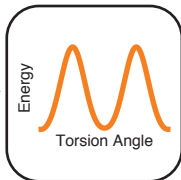


Doped or Excited Dimer Molecule



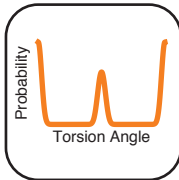
Quantum
Chemistry

Torsion Potential



Boltzmann
Distribution

Torsion Probability



Randomly
Sample N_E
torsions

$$\alpha = \frac{N_E \text{ Torsions}}{N_{GS} \text{ Torsions} + N_E \text{ Torsions}}$$

 N_{GS} torsion
 N_E torsion

