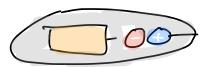
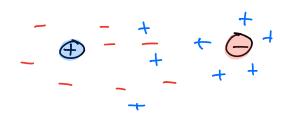
10/35/19: SAMPULY METHORS

LEFT OFF WITH DGRIND = DGASA + DGCALONS + DGASA + ...



SALT-DEPENDENCE OF SCOULOMB:

DEBYE-HUCKLE THEORY.



- -1025 TEND TO BRISH
 12 A MOSILE
 CLOUD OF EXPOSITELY
 CHARLED 1225
- AT CONY DOTALCES, NO EFFECT
- ATTENVATES EVECTEOSTATICS.

Ucoul (I) = Ucoul · e - rij/K

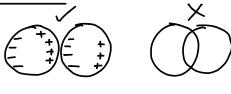
UNITS! K= 8 E.T TEMPERATURE

DIELETRIK

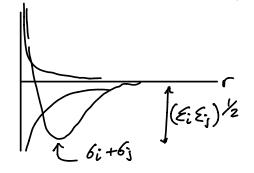
CONSTANT

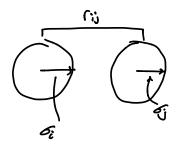
JUNIC STRENKTH

VAN TOOR WAALS



$$U_{VDU} = \left(\xi_i \xi_j\right)^{1/2} \cdot \left[\left(\frac{\delta_i + \delta_j}{z_{C_i}} \right)^{1/2} - 2 \left(\frac{\delta_i + \delta_j}{z_{C_i}} \right)^{6} \right]$$





PARAMETEMZE TO REPRINUE QUANTUM CALCULATIONS. SO: BGBIND = DGASA (NONPOLAR) + DGONOMO + DGROUD + DGVOW + DGVOW

SAMPUNG METHORS



HOW DO YOU SAMPLE THIS?

- (1) EXHAUSTIVE SAMPLE. NUT FEASIBLE FOR PROTETUS. WAY TOO MANY DECREES OF FREEDOM.
- (2) RANDOMLY TRY CONTORNATIONS. END UT TEXIST LOTS OF TEXERIBLE, IMPOUBABLE CONFROMATIONS.
- (3) LET SAMPLE OVER TIME.

$$\frac{dU}{dx} = F$$

$$\frac{\sqrt{2}}{\sqrt{4}} \frac{\sqrt{4}}{\sqrt{2}} \frac{\sqrt{4}}{\sqrt{4}} \frac{\sqrt{4}}{\sqrt{2}} \frac{\sqrt{4}}{\sqrt{4}} \frac{\sqrt{4}}{\sqrt{4}$$

THIS IS A STANDARD MULECUAL DYNAMICS SIMULATION.

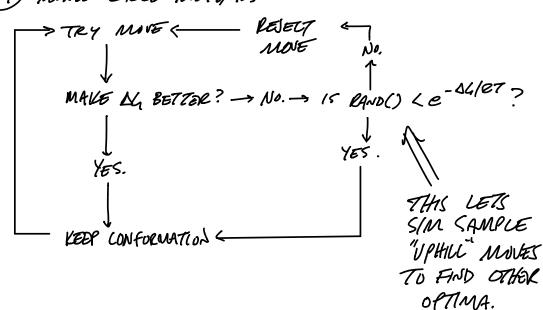
ADVANTAGES: -CAN SEE PROCESSES OCCUR -DONT WASTE TIME SAMPURG TERRISLE CONFIRMATIONS.

DISADNANTALES: - SLEND A TON OF TIME SAMPUNG SAME STATES OVER AND OVER.

- CAN END UP NOT SAMPULL WHILE SPACE.



(4) MONTE CARLO METHODS:



ADVANTAGES: - SAMPLE WHOLE LAND SCAPE
- DOES CONVERLE
- CAN MAKE HIGHLY PARALLEL

DISADVANTALES: - NO "TIME CONVERT - CAN STILL TAKE 4 LONG TIME TO CONVERLE.