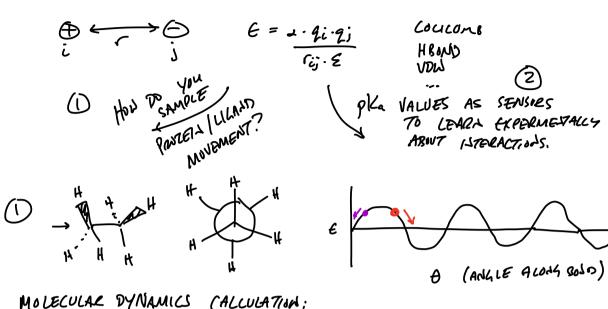
CALL FROM STRUCTURE



MOLECULAR DYNAMICS CALCULATION:

$$\frac{dU}{d\theta}$$
 = FORCE

IF HE KYOW: WE KNOW:
- POSITIONS
- VELOCITIES

J ALL ATOMS

CAN PREPICT TIME €UOUTING

OF SYSTEM IF WE CALLULATE - FUELES

IN MD SIMULATION: ITERATIVELY CALCULATE FINCE, UPDATE VELOCITY UPDATE POSITILL PEVENT.

MARKE MULECUAL MOVIES. -> / 15 / 1 hr

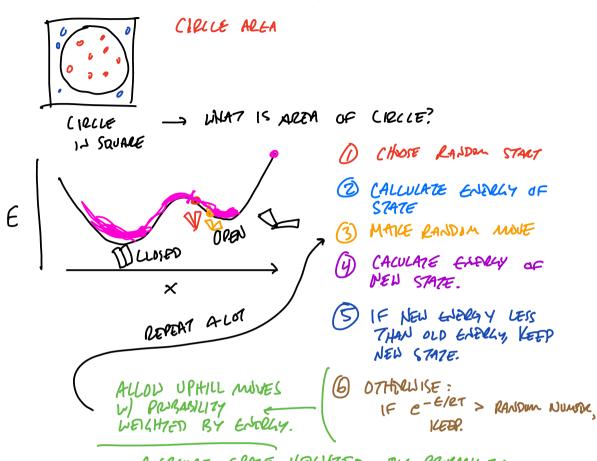
HOW DOES LIGHTLY SIT IS POLKET?



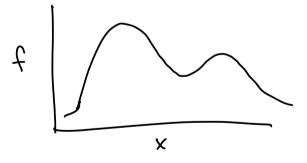
10-9/5

IF YOU WAST 11-3 TIMESCARE / MILLION HOURS BEAL TIME USEFUL FOR SHOET TIME SMALL SIALE.

METEOPOUS-CUTERIOS MONTE CARLO (MCMC)



EXPLURE SPACE VEIGHTED BY PRUKASILLEY.



Edwiced Fronchs

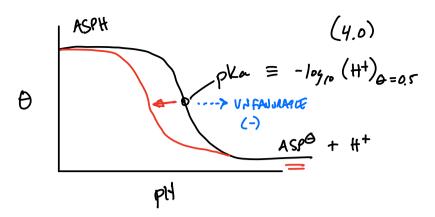
DUMB ANSIDE: DO CACE SEUDRA TIMES FROM DIFFEREST 574R7114 PLACES.

-> PARALLETZE VERLY WELL. -

HOW DO WE KNOW WE ARE RIGHT?

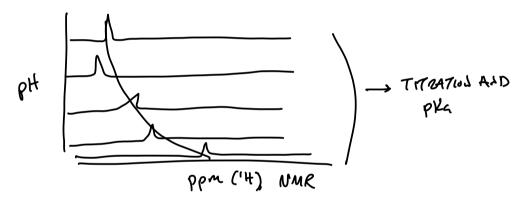
KD VALUES - CAN WE CALCULATE HOW TIGHTLY A LICADO BIJOS?

PKQ VALUES OF IONIZABLE GROUPS ARE GREAT TOOL.

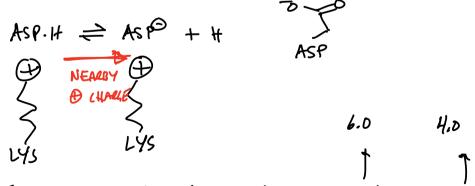


REASONS USEFUL:

- (1) LOTS OF IONIBABLE RESIDUES LOTS OF SENSOES
- (2) (IN MEASURE PKG BY NMR. ASP AND ASPH HAVE DIFFEREST CHEMICAL SALFTS.



(3) IONIZABLE SIDERHAIDS ALE CHARGET AND SENSITIVE PO ELECTRISTATICS.



- (9) (F WE MEASURE DPKG (WHERE D IS OBSERVED REFOREDCE) VE LEARN ABOUT ELECTIONSTATIL GIVIRONMENT.
- & APKA IS DIRECTLY PROPORTIONAL TO DG