Meeting 4: LWED Q7A

- ala enmi
- -> NEXT WK:

Kyle: HWID, EXTRA CREDIT 2(4)

BETGIO: 5 MINS: WHAT I DID THIS SUMMER

Tommy: HW16 PROBLEM 1

Chris Cain: interpreting Hulb Pros 3 John Lee: explain Hulb eg (2.1),

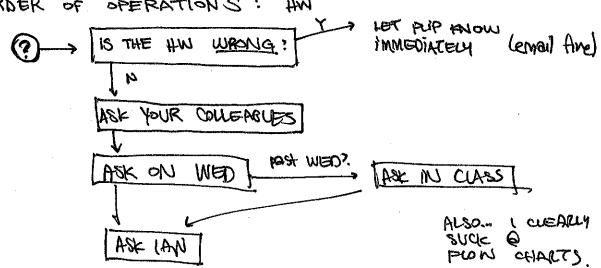
discuss B.C.

Keep in mind: STRICT S MIN LIMIT

- · this is about style trottens s
- · this week: GETTING USED TO BEAKING
- · focus: Hming
- ... subsequent weeks will add on more that

## ? PHOITERUP

ORDER OF OPERATIONS: HW



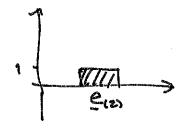
OFFICE HOURS? IF NECESSARY.

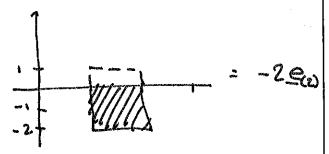
# DISCRETIZED DEPUATIVES

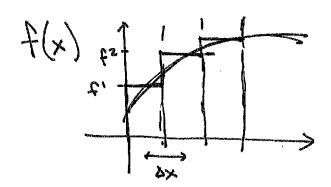
I you do this in computational physics...

Monday PM:

CAN THINK OF FUNCTIONS AS "HISTOGRAMS" ... I DEFINE LITTLE DEG BASIS VECTORS.







(∑ is nector) gernatine... Up shuwater

$$\frac{1}{t} = \begin{pmatrix} i \\ ts \end{pmatrix}$$

have to worry about boundaries

one option: cyclic bc ("no Bc")

$$\bar{f} = \begin{pmatrix} \frac{(t_a = t_i)}{t_s} \\ \frac{t_s}{(t_o = t_s)} \end{pmatrix}$$

> imaginary "BOUNDARY"

$$\frac{(\xi)_{4} = (\xi_{1})_{1}}{\xi_{3} - \xi_{3}} = \frac{4_{5} - \xi_{1}}{\xi_{3} - \xi_{3}}$$

$$\frac{(\xi)_{4} = (\xi_{1})_{1}}{\xi_{3} - \xi_{3}} = \frac{9x}{\xi_{1} - \xi_{3}}$$

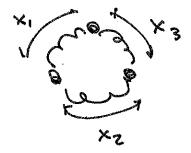
$$\frac{\xi_{3} - \xi_{5}}{\xi_{1} - \xi_{3}}$$

NOW DO THE SAME FOR SECOND DESCRIPTIVE

$$(\xi_{i})_{i} = \overline{(\xi_{i+1} - \xi_{i}) - (\xi_{i} - \xi_{i-1})}$$

( analogous to  $T^2$  is a scalar op)

# DRINGY MOLECULE



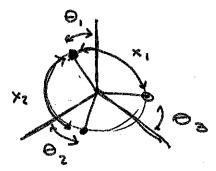
<u>convenient</u>:

set M = 1 K = 1

A DIMENSIONAL ANAMEIS
TRAVESTY!

- Q: is x, +x2+x3 fixed?
- a: what does this molecule do?

LET'S USE COMVENIENT BASIS



ADDITIONAL SIN: mixing up lengths

... I probably meant (w=1)

ERUPTION of MOTION: (from mx=-kx)

$$\Theta_1 = (\Theta_2 - \Theta_1) - (\Theta_1 - \Theta_3)$$

$$\times_2$$

(up to 27 toot comcels/

Lear Lestons gimensions I HOW 71

0, = -20, + 02 + 03

(note: DISCRETIZED IN SPACE) not in time!

eigenvers

reduces to 10 chos centroun

## Diversity @ UCR



## **Complaint Resolution**



## University of California Riverside Nondiscrimination and Affirmative Action Policy

It is the policy of the University of California Riverside not to engage in discrimination against or harassment of any person employed or seeking employment with the University of California on the basis of race, color, national origin, religion, sex, gender, gender expression, gender identity, pregnancy, physical or mental disability, medical condition, genetic information, ancestry, marital status, age, sexual orientation, citizenship, or service in the uniformed services. Furthermore, University policy prohibits retaliation against any member of the University community filing a complaint of discrimination or harassment. This policy is intended to be consistent with the provisions of applicable State and Federal laws and University policies.

### Helpful Resources

#### ACADEMIC SENATE (FACULTY) >>

The senate is empowered by the regents to exercise direct control over academic matters of central importance to the University, and has advisory powers on all issues relating to the mission of the university: instruction, research and public service. The Academic Senate Committee on Privilege and Tenure has jurisdiction over three categories of cases: grievance cases, disciplinary cases, and early termination cases.

#### ADMINISTRATIVE RESOLUTION ≥

The Office of Administrative Resolution is responsible for reviewing and resolving issues of policy, procedure, integrity and collegial relations that have the potential to impact the mission and well-being of the University. These issues include those involving students, staff and faculty.

#### • CAMPUS COUNSEL »

The Office of Campus Counsel (OCC) provides counsel and legal advice in the development of policy, procedures, and strategy related to the management and operation of the UC Riverside campus, its various colleges and graduate schools.

#### CARE ADVOCATE OFFICE »

UCR's certified sexual/domestic violence survivor advocates aim to provide victims/survivors of sexual violence with on- and off-campus resources and supporting whichever path the survivor feels will be most helpful in their recovery. They welcome students, faculty, staff - as well as support individuals - to meet with them in a safe and highly confidential space (Surge 384 & Surge 386).

Care Advocates provide the following services:

- -Listening without judgement
- Offering an introduction to options and resources
- -Accompanying survivors to treatment and medical centers
- -Assisting with the UCR adjudication and off-campus reporting process (if desired by the survivor)
- -Case management

Connect with the CARE Advocates at Surge 384 & Surge 386, (951) 827-6225 or

#### ADVOCATE@UCR.EDU >>

#### DEAN OF STUDENTS OFFICE »

10/	3/18.	9:23	A١
-----	-------	------	----

#### WHISTLEBLOWER/WHISTLEBLOWER PROTECTION COMPLAINT »

Faculty, staff, and students may report allegations of suspected improper governmental activities - violations of state or federal laws, regulations, or Executive orders or activities that involve gross misconduct, incompetency or inefficiency. Whistleblowers are protected from retaliation under UC Policy.

UC Whistleblower Hotline: (800) 403-4744