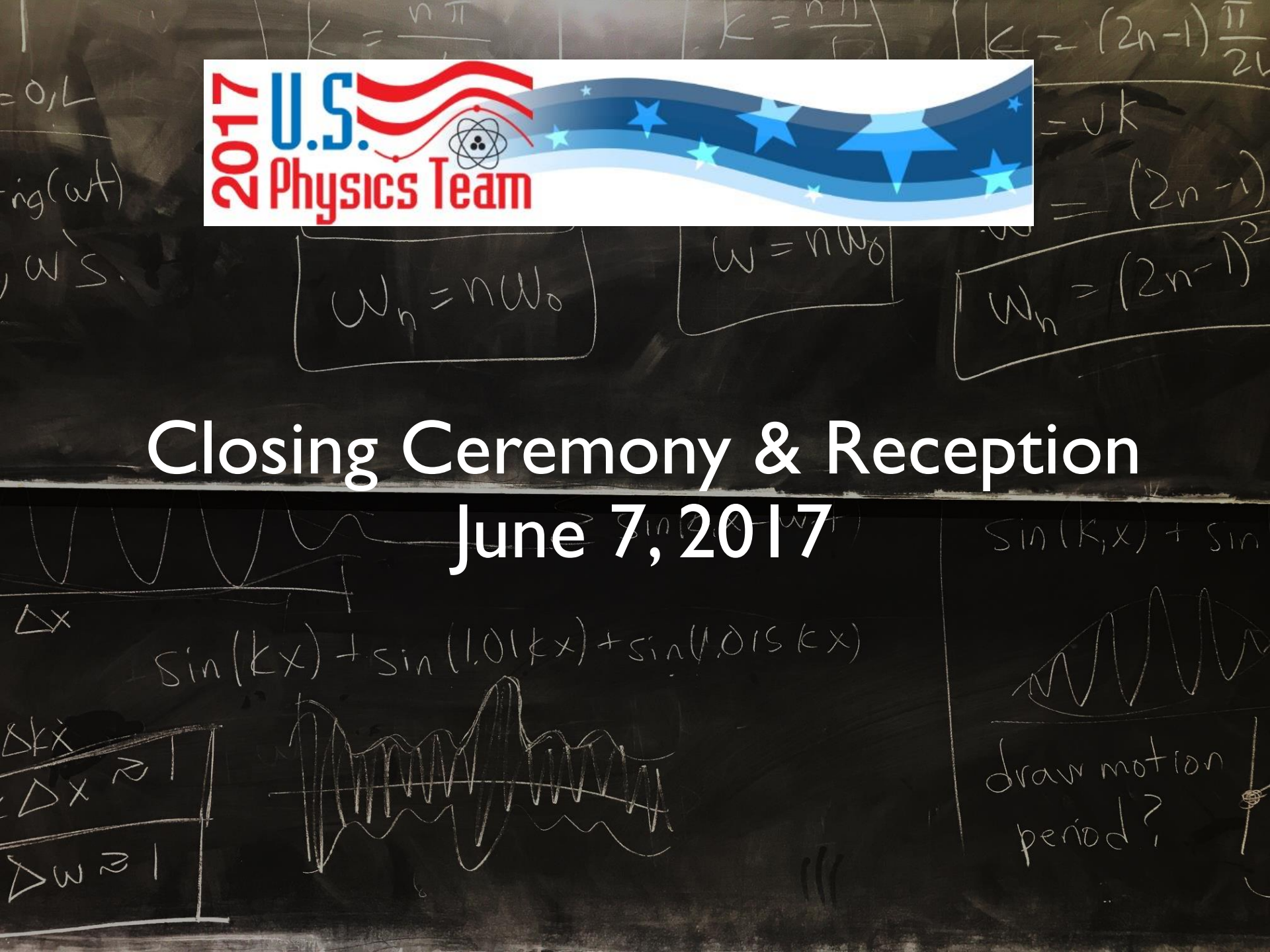
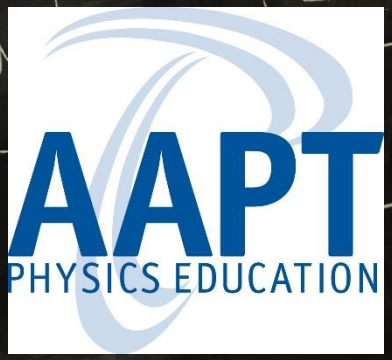
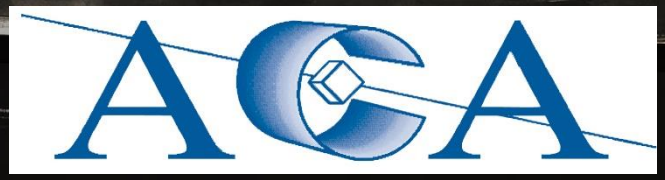
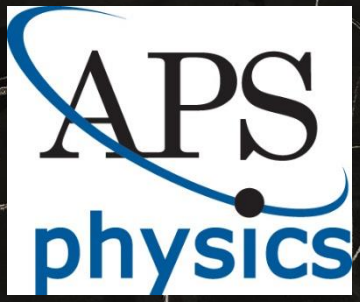

2017 U.S. Physics Team
Closing Ceremony & Reception
June 7, 2017

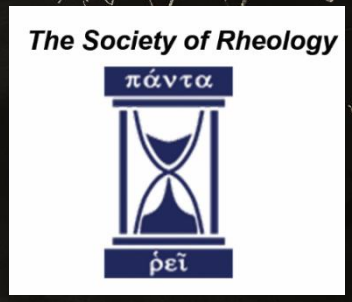
AIP | American Institute of Physics

Member Societies









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Reception Sponsors

J. Burke Catering

innovative cuisine

GEPPETTO CATERING

Physics Team Coaches

Paul Stanley – Director

JiaJia Dong – Senior Coach

Mark Eichenlaub – Coach

Dave Fallest – Senior Coach

Mike Winer - Coach

Kevin Zhou - Coach

2017 U.S. Physics Team

Physics Team Members

Shreyas Balaji

Mike Bao

Edward Cen

Phil Chen

Physics Team Members

Matthew Guo

Tiffany Huang

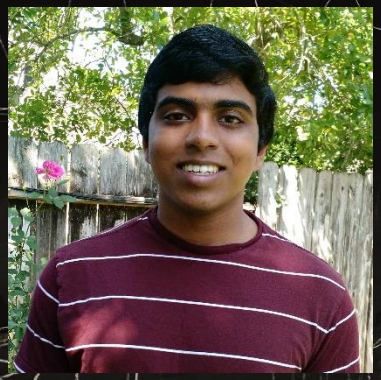
Kiran Linsuain

Steven Liu

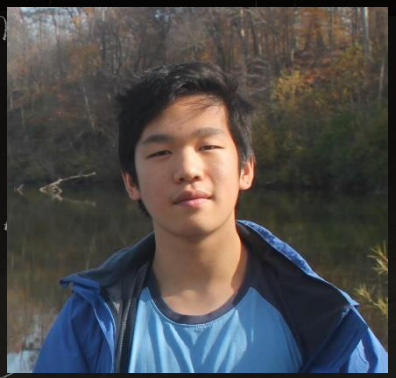
Physics Team Members

Faraz Masroor

Srijon Mujherjee



Pranav Murugan



Anthony Ou

Physics Team Members

Aditya Parulekar

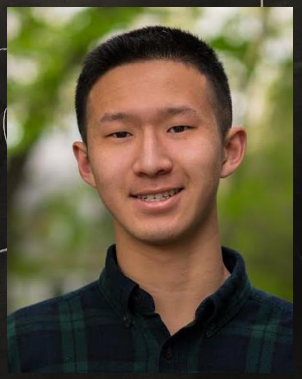
Jimmy Qin

Sanjay Raman

Kye Shi

Physics Team Members

Michelle Song



Andrew Wang

Handong Wang

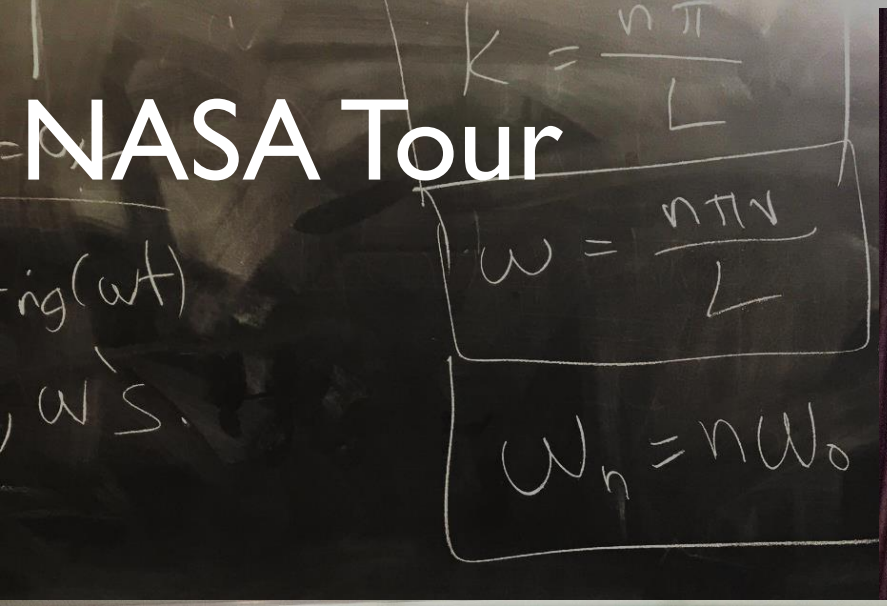
Physics Team Members

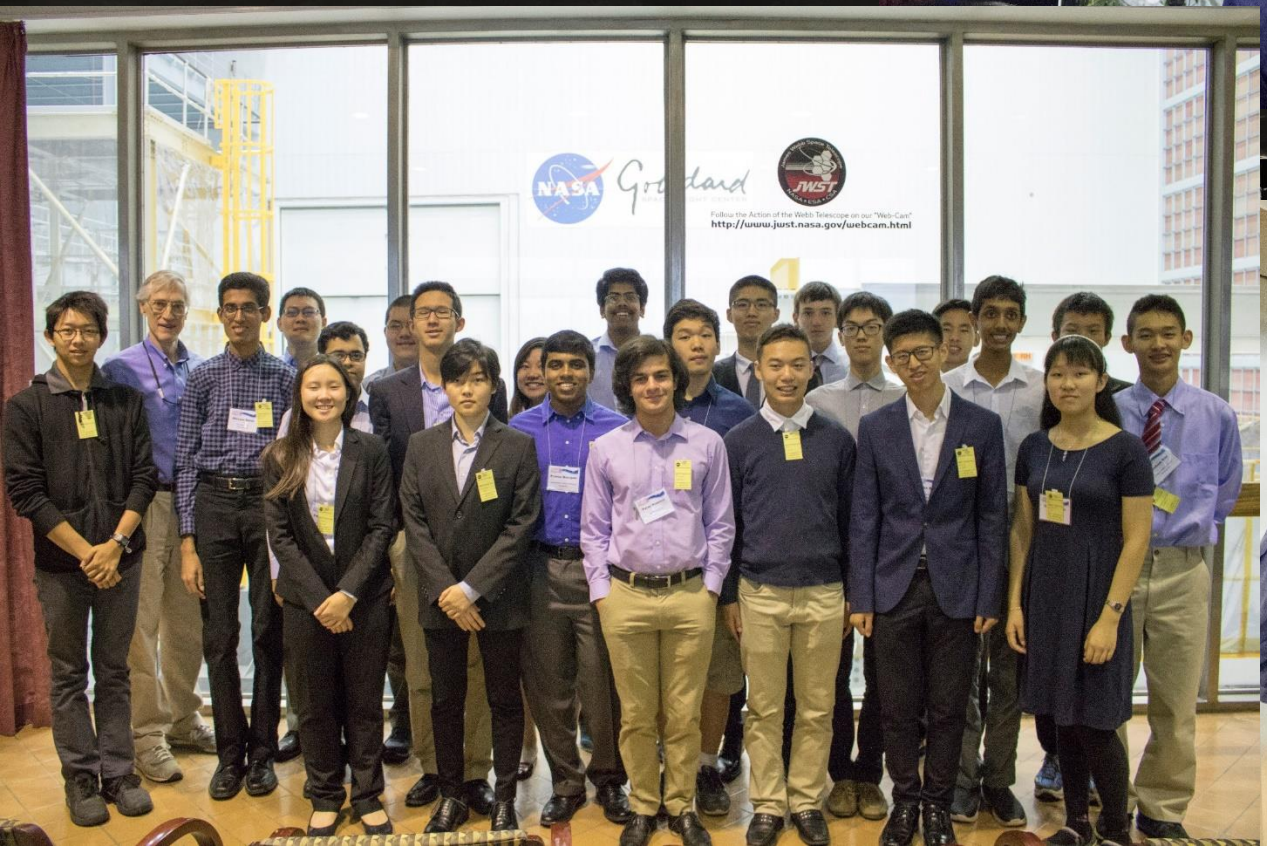
Catherine Wu

Haobang Yang

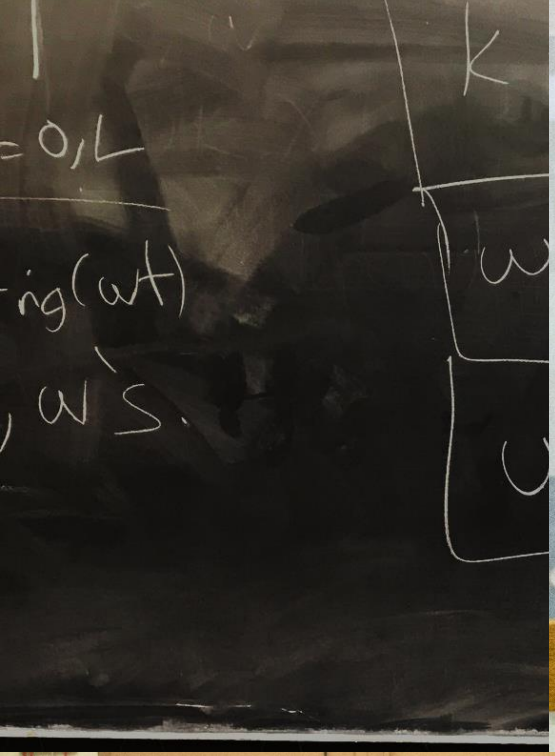
Jerry Zhang

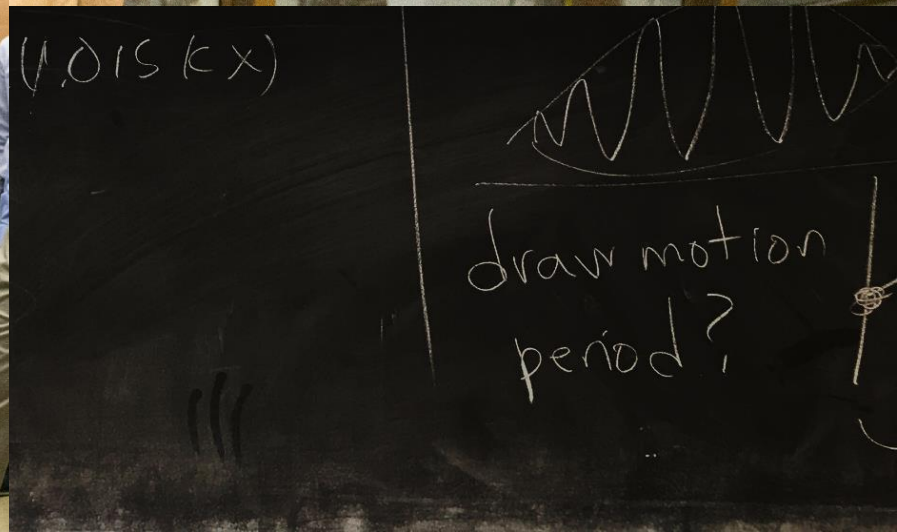
NASA Tour

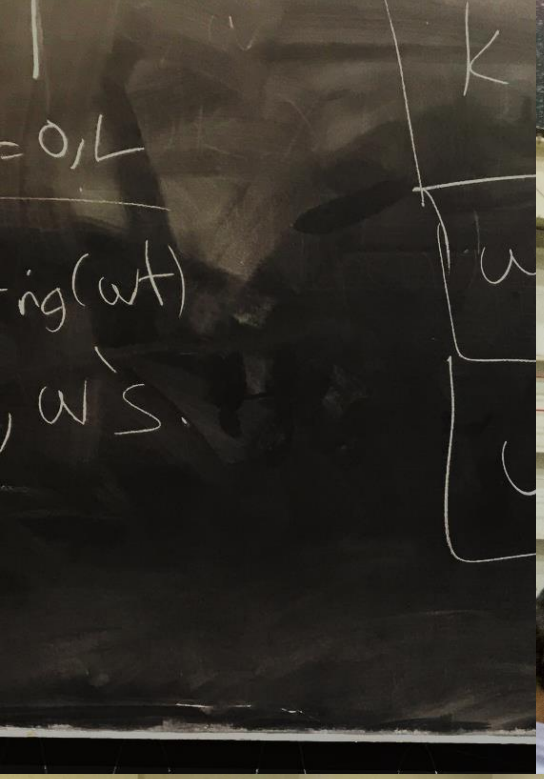

$k = \frac{n\pi}{L}$
$\omega = \frac{n\pi v}{L}$
$\omega_n = n\omega_0$


NASA
Goddard
JWST
Follow the Action of the Webb Telescope on our "Web-Cam"
http://www.jwst.nasa.gov/webcam.html


2017
Physics Team

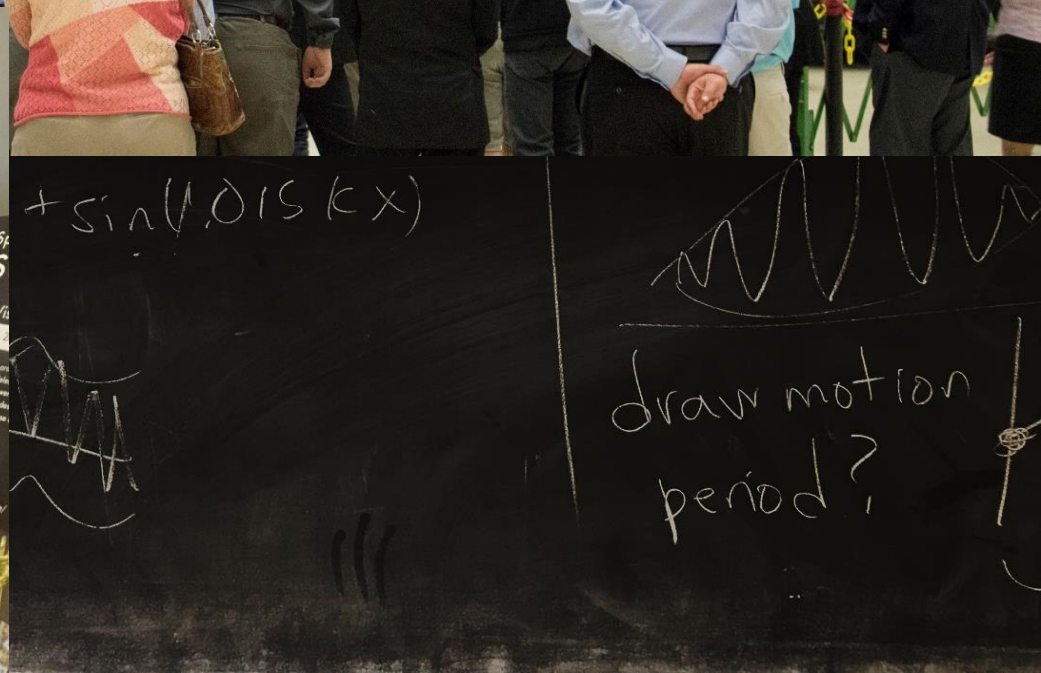

K
=0,L
ng(wt)
w's.

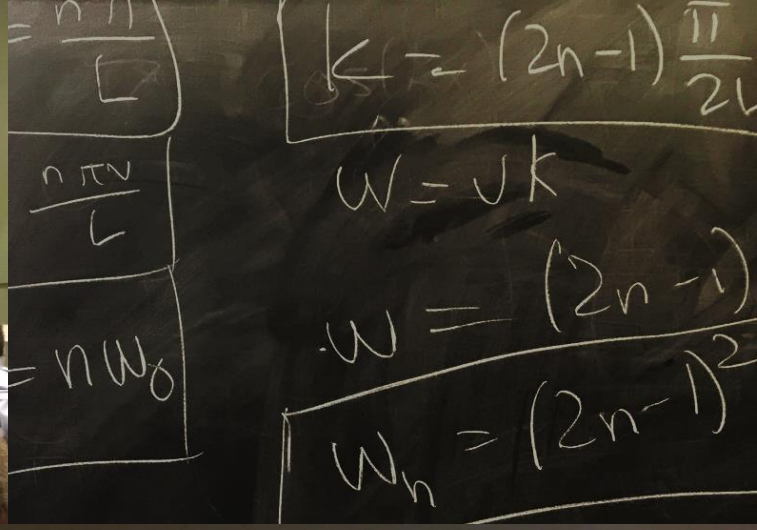

draw motion
period?

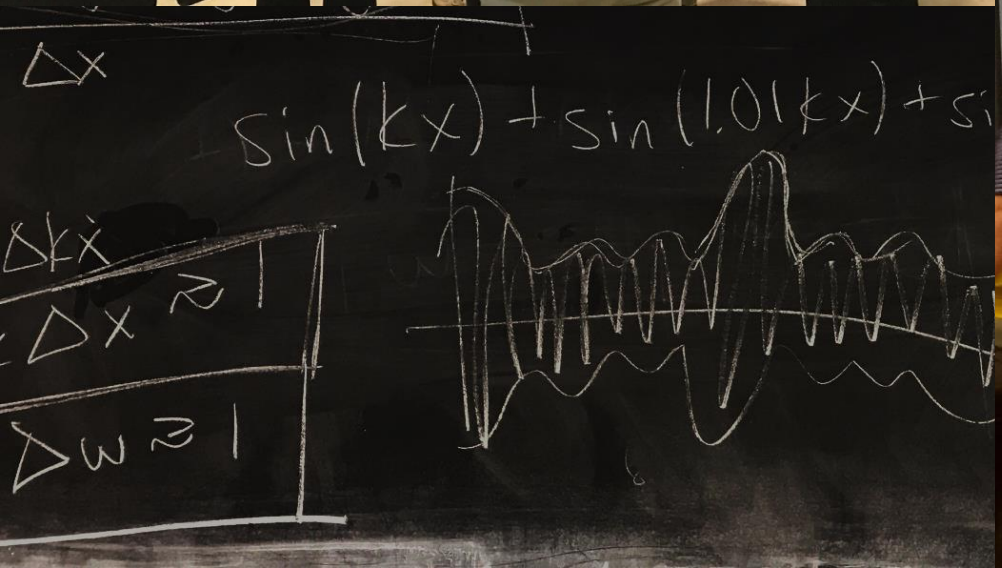



NASA
Goddard
Space Flight Center

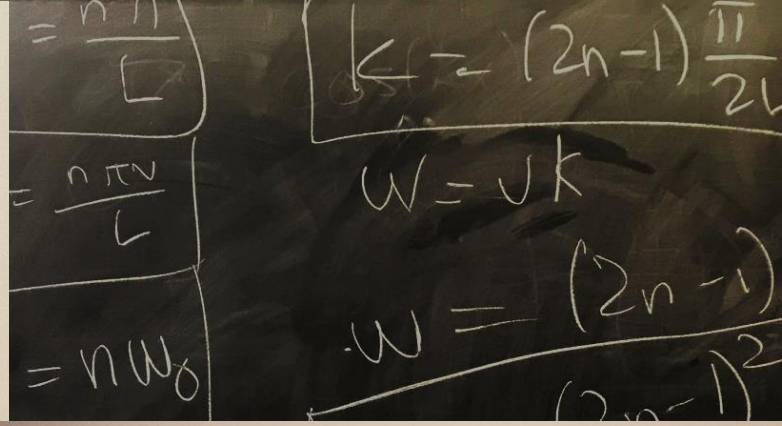

NASA
Sunshield Mid-Boom Deployment (1 of 2)
Distance: 842,528 km
THE PAST

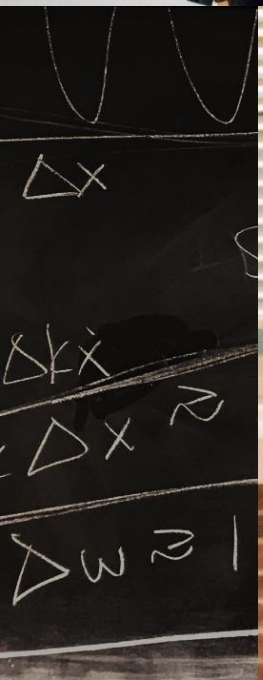

draw motion
period?

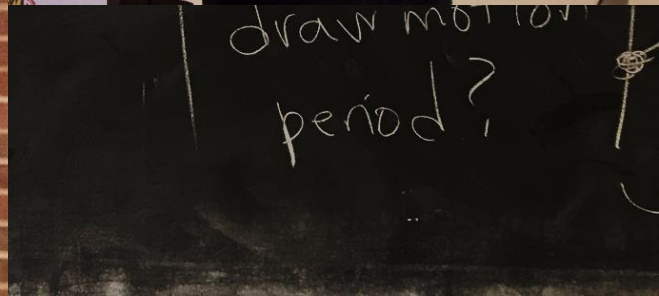

$k = (2n-1)\frac{\pi}{2}$
$w = vk$
$w = (2n-1)$
$w_n = (2n-1)^2$


Δx
$\sin(kx) + \sin(1.01kx) + \sin$
$\Delta k x$
$\Delta x \geq 1$
$\Delta w \geq 1$

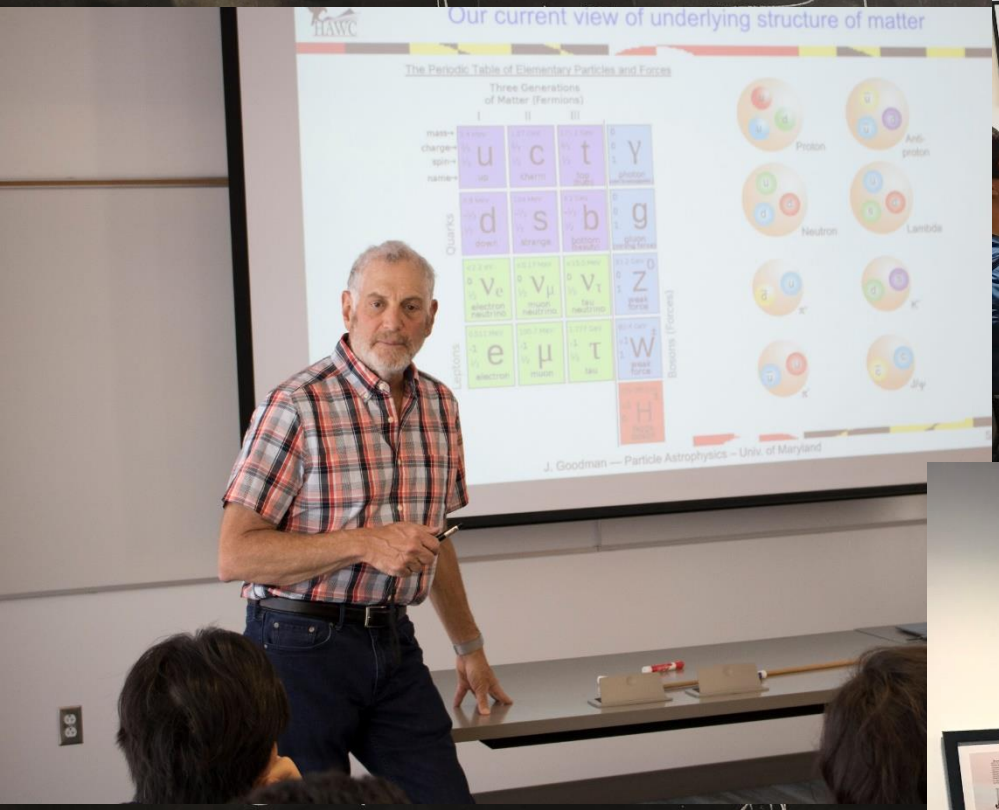
Opening Reception

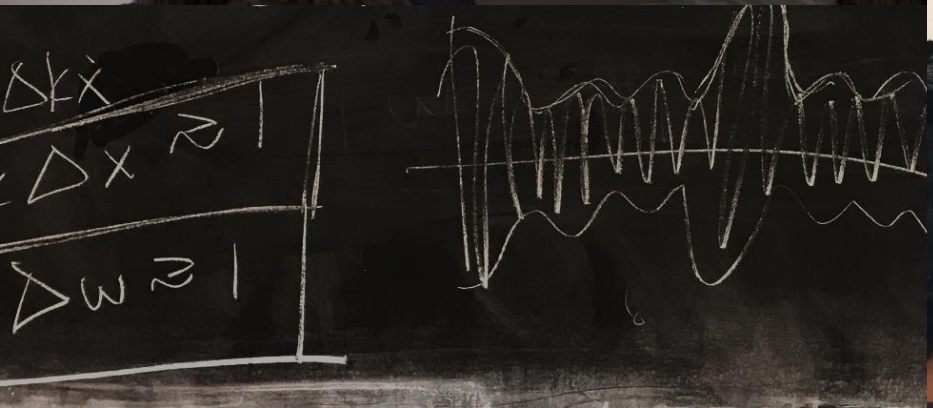

W = vk
W = (2n-1)

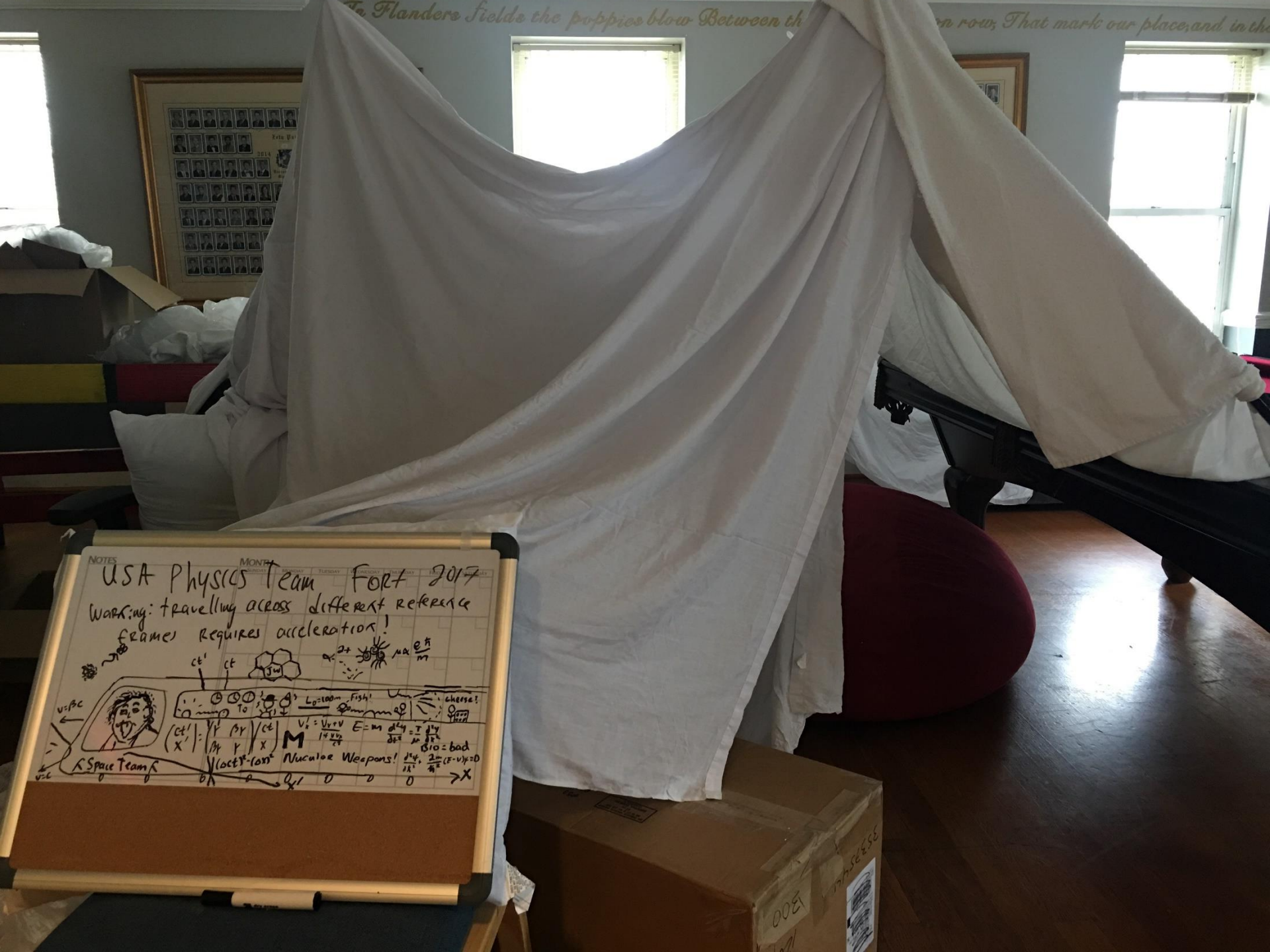

Δx
Δx
Δw


period?

UMD Physics Dept

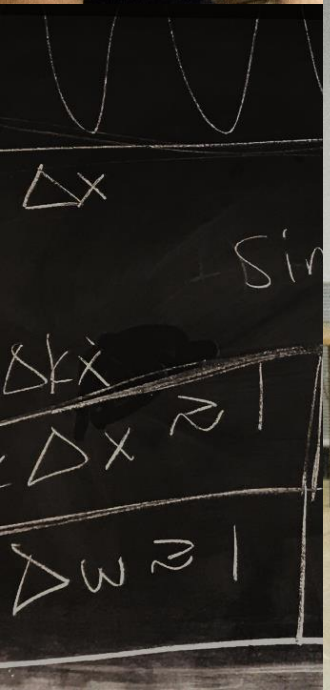


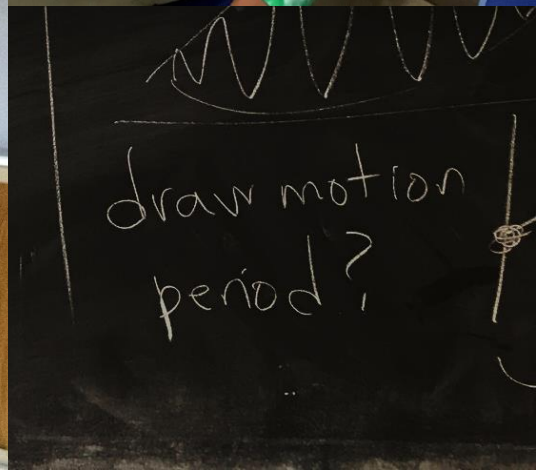


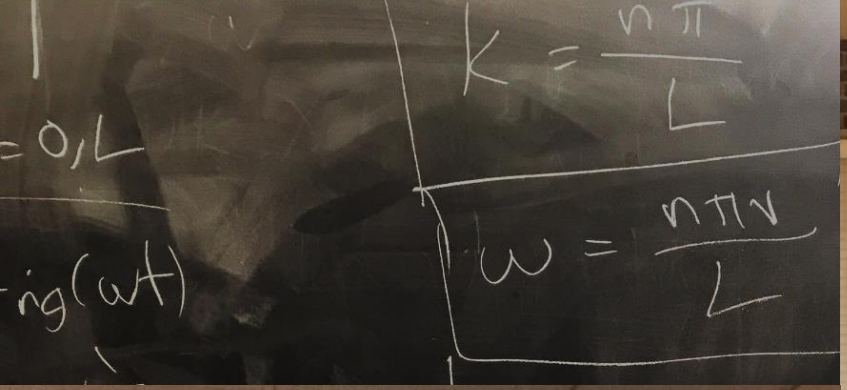

USA Physics Team Fort 2017
Warning: travelling across different reference frames requires acceleration!
Space Team
Nuculor Weapons!
Cheese!
Fish!

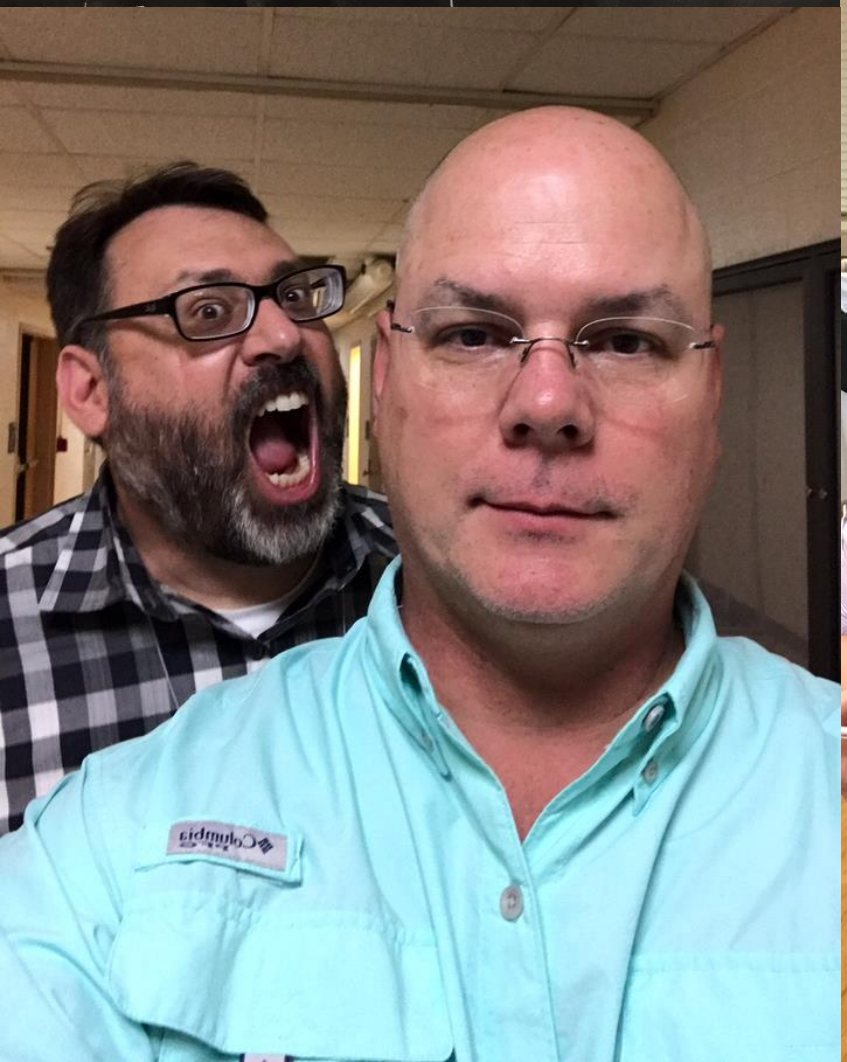

$k = \frac{n\pi}{L}$
$k = \frac{n\pi}{L}$
$k = (2n-1)\frac{\pi}{2}$


April 28th,


Δx
Δt x
Δw ≥ 1

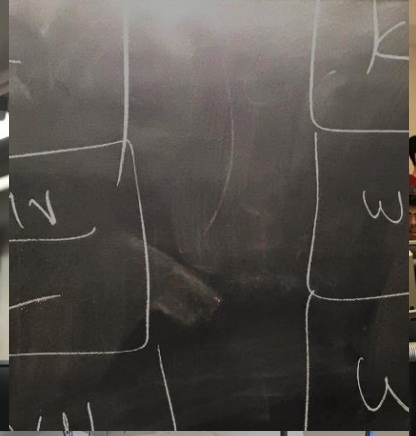

draw motion
period?


$k = \frac{n\pi}{L}$
$\omega = \frac{n\pi v}{L}$

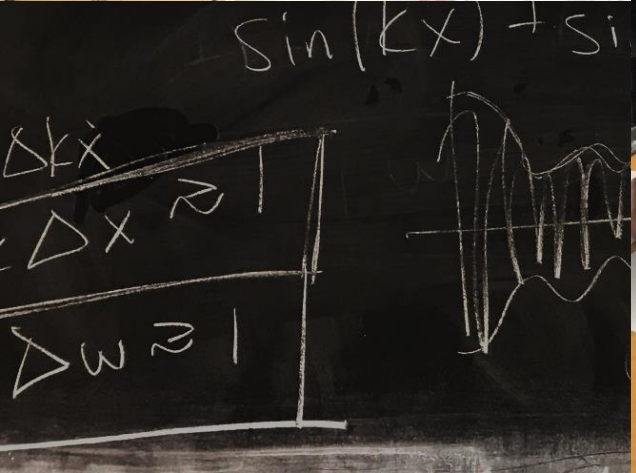


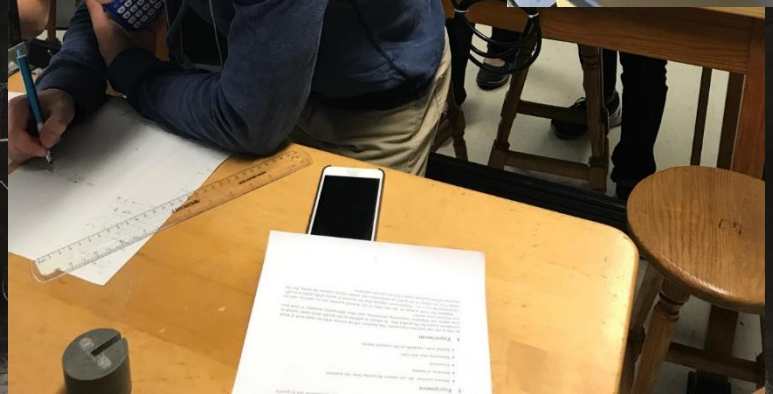

JiaJia Dong

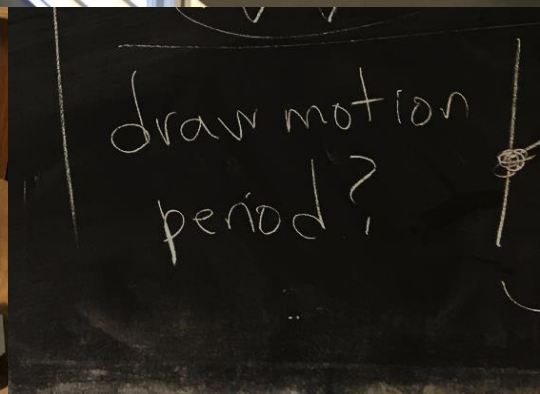

CAUTION



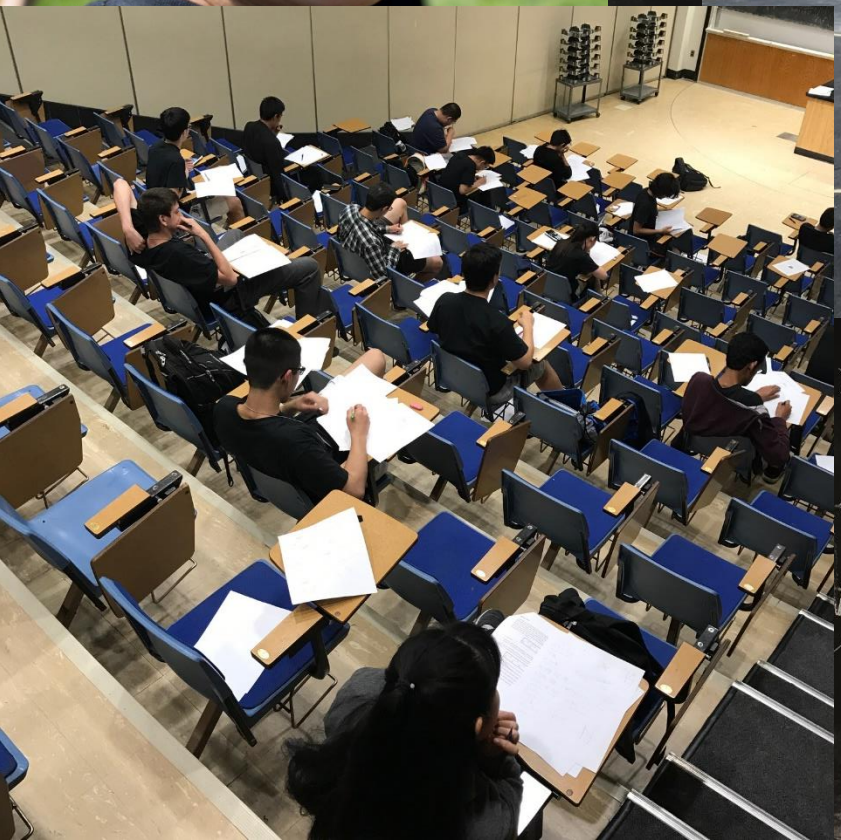

DELL

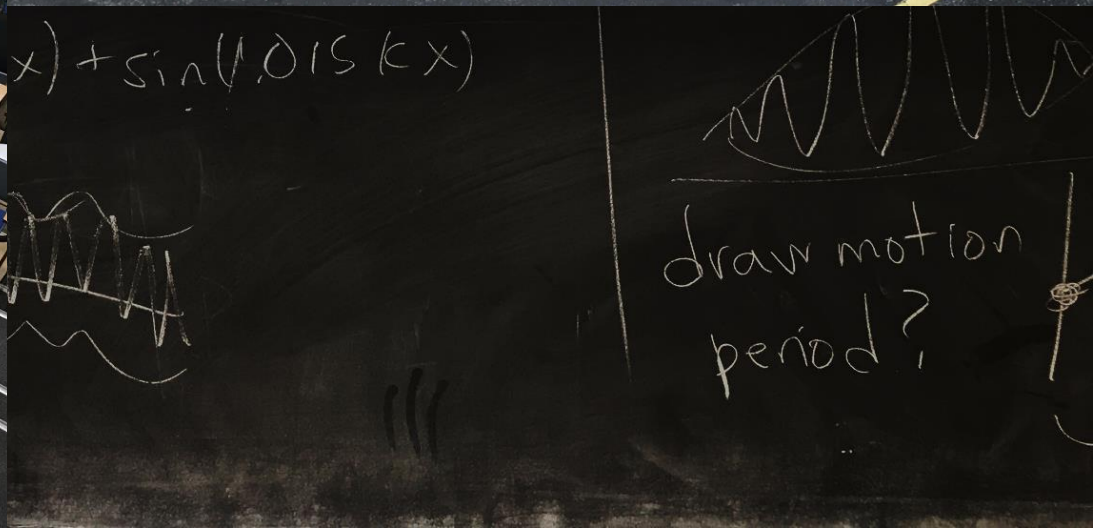

Sin(kx)
Δkx
≥1
Δw≥1

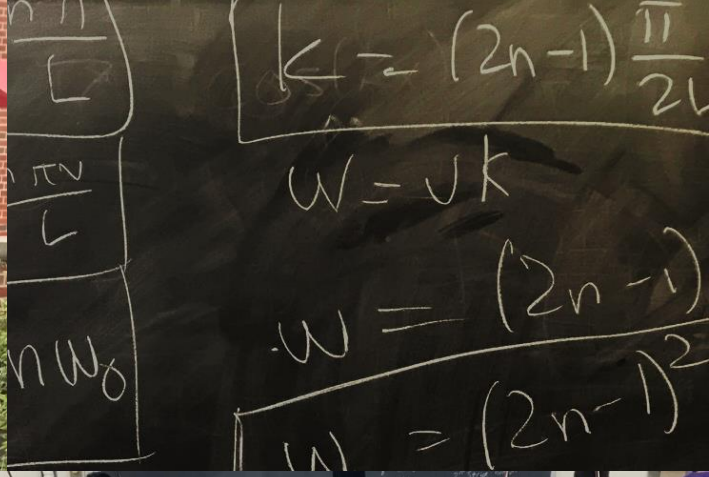



draw motion
period?

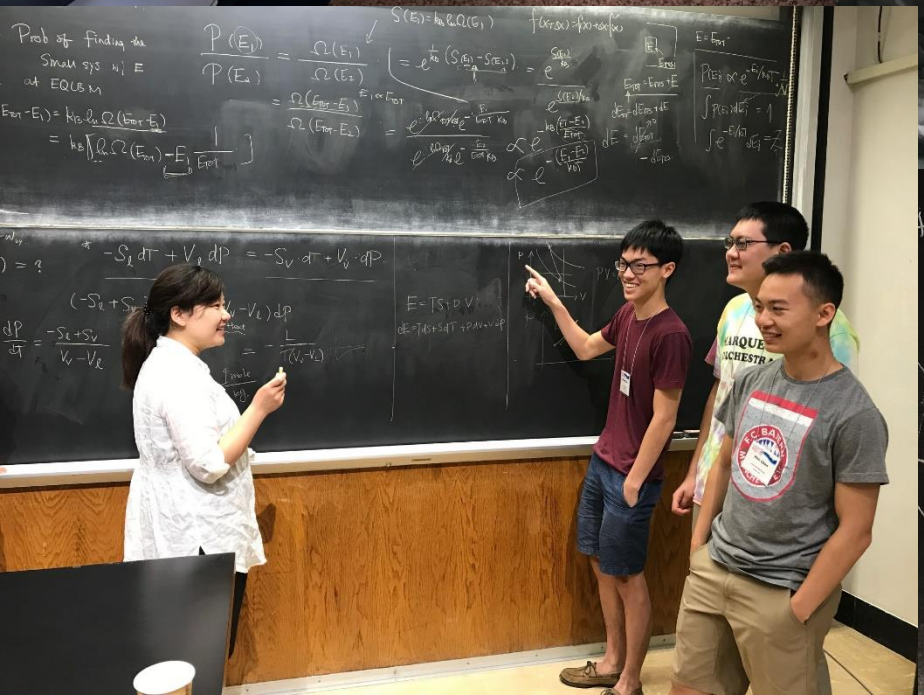

PODS
800-776-PODS
ving & Storage



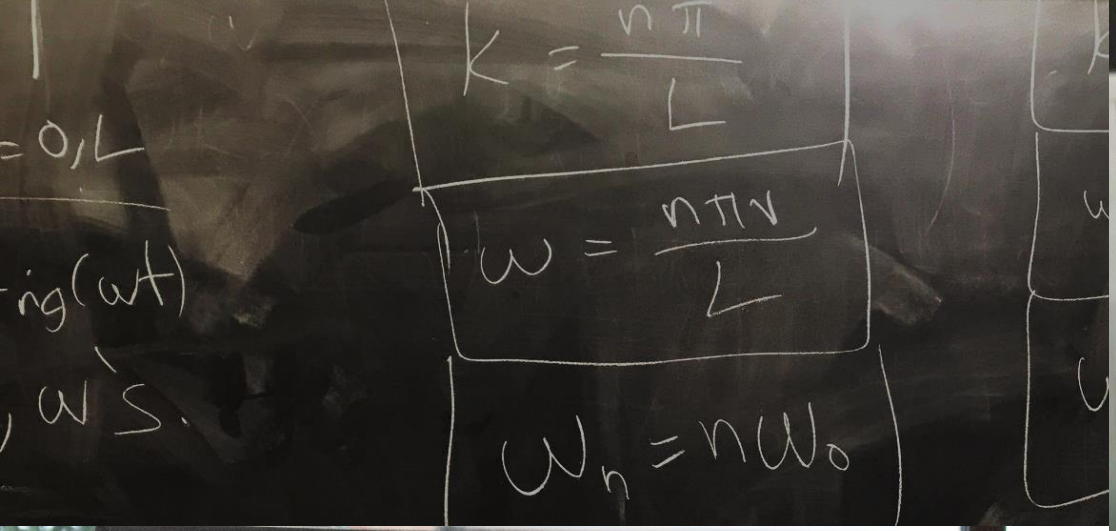

x) + sin(1.015(x)
draw motion
period?

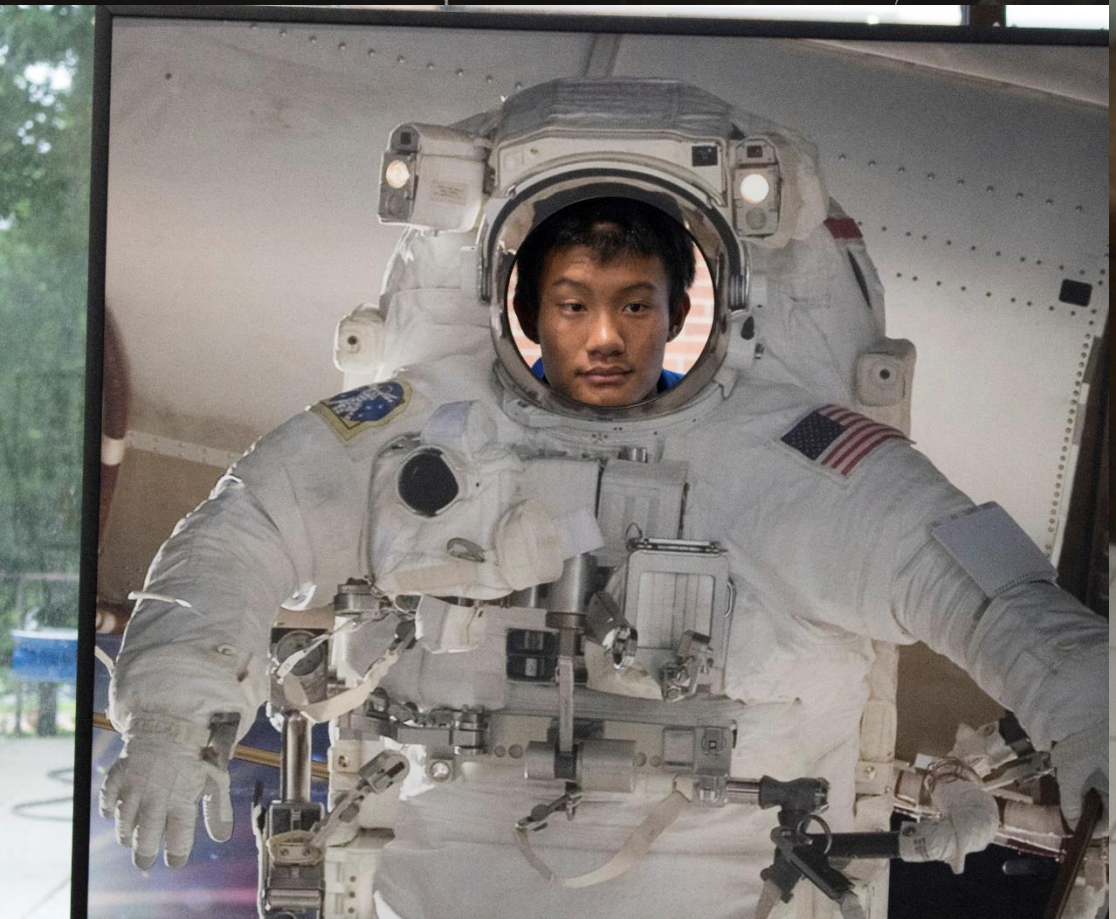

$k = (2n-1)\frac{\pi}{2L}$
$W = Uk$
$W = (2n-1)$
$W = (2n-1)^2$
nW_0

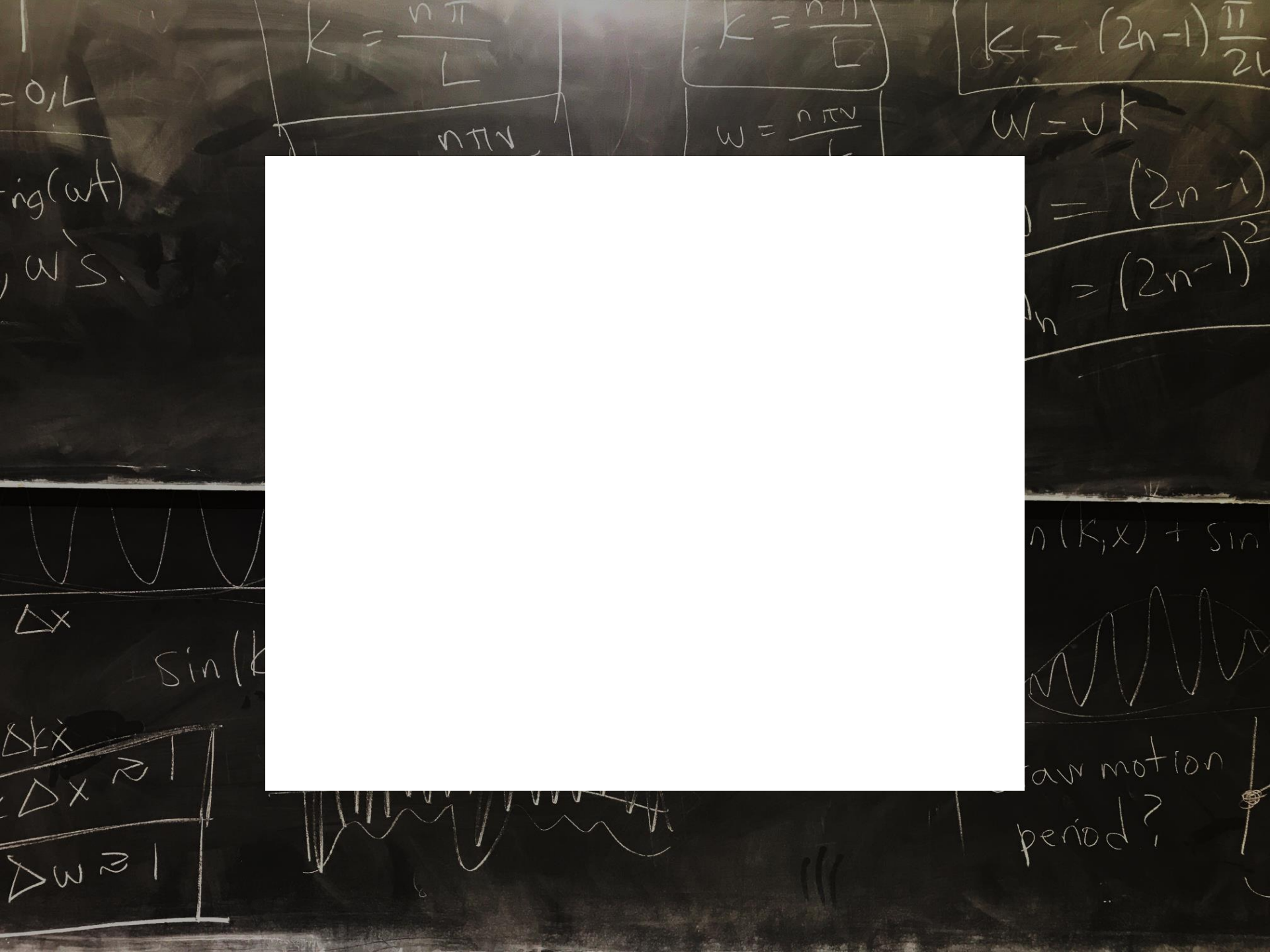

Physics Labs
Physics Department
University of Maryland


Prob of finding the
small sys w/ E
at EQLBM
$\frac{P(E_1)}{P(E_2)} = \frac{\Omega(E_1)}{\Omega(E_2)}$
$S(E) = k_B \ln \Omega(E)$
$E = TS + PV$


sin(1.015


$k = \frac{n\pi}{L}$
$\omega = \frac{n\pi v}{L}$
$\omega_n = n\omega_0$




$k = \frac{n\pi}{L}$
$\omega = \frac{n\pi v}{L}$
$k = (2n-1)\frac{\pi}{2L}$
$\omega = vk$
$\omega = (2n-1)$
$\omega_n = (2n-1)^2$
Δx
$\Delta k x$
$\Delta x \geq 1$
$\Delta \omega \geq 1$
raw motion
period?