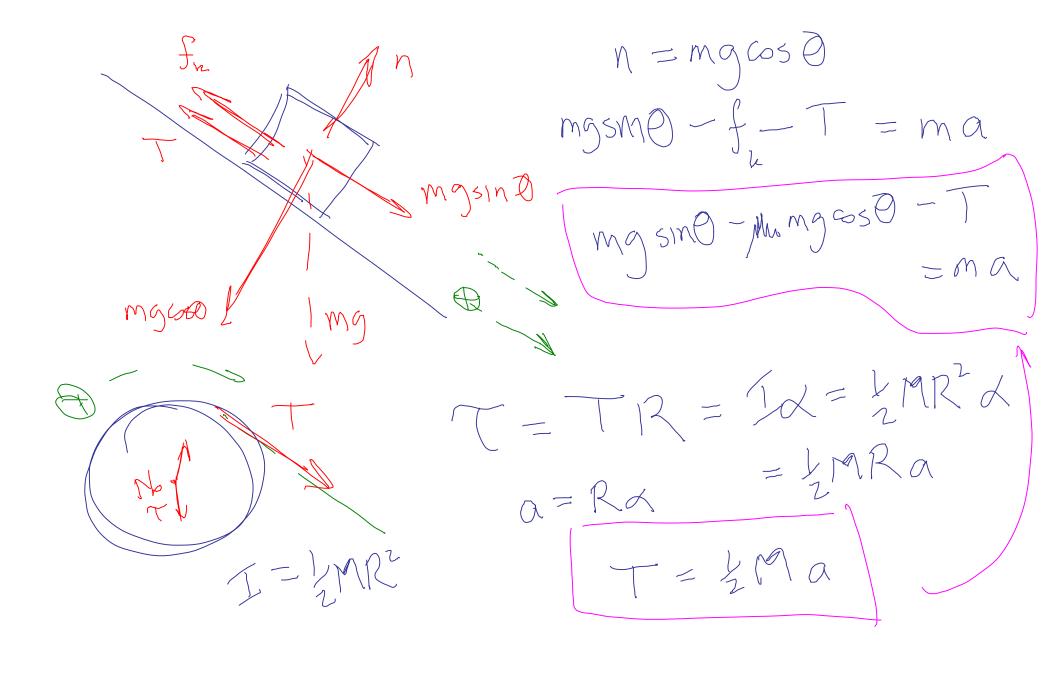
Note Title 5/3/2013

Gravity Fluids M1551M; Statics Themal Myslcs Thermo

Electricity & Mannetism 2nd Semester Llectvic feel & Dotonti, d, Current magnetiz field ~ C'iv cuits Wave Solutions W = 2 B Fields Siz Semester Light, Radio, n-wave, T-rans > Relativity ) Quantum Theory Specialize to Light: Aptics

Summery: Ware Oscill. 20tations 24 lay block rests on slope a Hacked by string to 2 rum of mass 0.85 kg & v = 5.0 cm. Block acc's Lown slope at 1.6 %. Mil I in a well of Friction between bloch & slope.



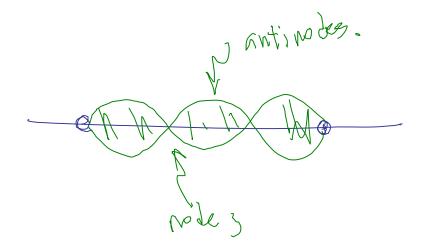
mgsm0-mmgcs60-2Ma = ma Solve for Mr mgs60 = mgsm0 - ma-2ma  $M = \frac{mosmo}{ma} - \frac{ma}{2}Ma$ mg 580

2) and Marmon'IC waves  $\lambda$ , f = 1/-,  $w = 2\pi f$ Mont v = 5 poolV str. = NEM Wath. Lew  $y(x,t) = A \cos(kx + kt + p)$   $f(x+v+t) \qquad \qquad Right$ Left

T = Energy = Toot 10812 4111 >> > ; Interesty level

B = 10 hgn (I)  $\int_0^{-12} \frac{w}{m^2}$ Interforence: Boats: Pulserate = If, -fz

Standm wars



 $L = N \frac{\lambda}{2}$  etc.

 $L = n\frac{\lambda}{4} \quad n = odd + etc.$ 

Dopplar steet
$$f' = f\left(\frac{1 \pm v_{obs}}{1 \pm v_{obs}}\right)$$
Docillations:
$$\frac{1}{1 \pm v_{obs}}$$

$$\frac{1}{1 \pm v_{obs}$$

 $\frac{J^{2}Q}{J+2} = -w^{2}Q$   $= -w^{2}SmQ$   $M = -w^{2}Q$ Sondan etc. May physical pondulum. cm

Damped, Driven OSC'S.