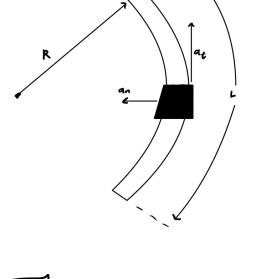
Date: 2/4/2024 Start	
Muting Objective: Establish Team Role	¿S
Stacy - Force Analysis	
Brandon-Connection Mcthod	
Teagan - Assembly	
- Fnd	
Date: 1/8/1014 Start	
Meeting Objective: Percolarte team,	roles ? talk about approach to
problem	
Stacy; - Static Force Analysis	
Brandon: Pynamic Force Analysis	
Teagan: Assembly	
_ R → L	
End	1

Date: 2/19/2024 start objective: Establish what forces are important on track section an= + (db) -Fin = man = mc (dl) $a_t = \frac{dv}{dt} = \frac{dl}{dt^2}$ $f_t = m_c a_t = m_c \left(\frac{d^2 L}{dt^2} \right)$



End

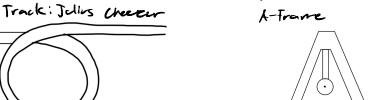
$$a_{t} = \frac{dv}{dt} = \frac{d\dot{L}}{d\dot{L}}$$

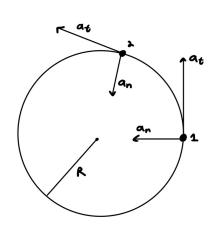
$$f_{t} = m_{t}a_{t} = m_{t}\left(\frac{d^{t}L}{dt^{t}}\right)$$

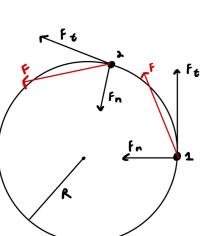
$$F_{t} = \frac{Hy}{L}, M = F \times$$

Y= Va , V=F

Date: 3/7/2024 Start Objective: Establish Final truck analysis and puter in calculations







T= Mc

Assumming :

$$a_t = \frac{|15.6m|}{(10s)^2} = |.16\frac{m}{s^2}$$

$$a_n = \left(\frac{L}{t}\right)^{\lambda} \frac{1}{R}$$
 $a_n = \left(\frac{12.5.6m}{10s}\right)^{\lambda} \left(\frac{1}{\lambda_{0m}}\right) = 7.89 \frac{m}{s^{\lambda}}$

F=VFt2+FN2

$$C = \frac{F}{A}$$
 $Y = \frac{(17577.9 \text{ IV})}{\frac{11}{9} (\text{Im})^2} = 22380 \text{ Pa}$
 $V_{\text{Fail}} = A36 \text{ Steal} = 550 \text{ MPa}$
 $V_{\text{Fail}} = A36 \text{ Steal} = 80 \text{ GPa}$
 $V = V_{\text{Fail}} = V$
 $V = V_{\text{Fail}} = V$