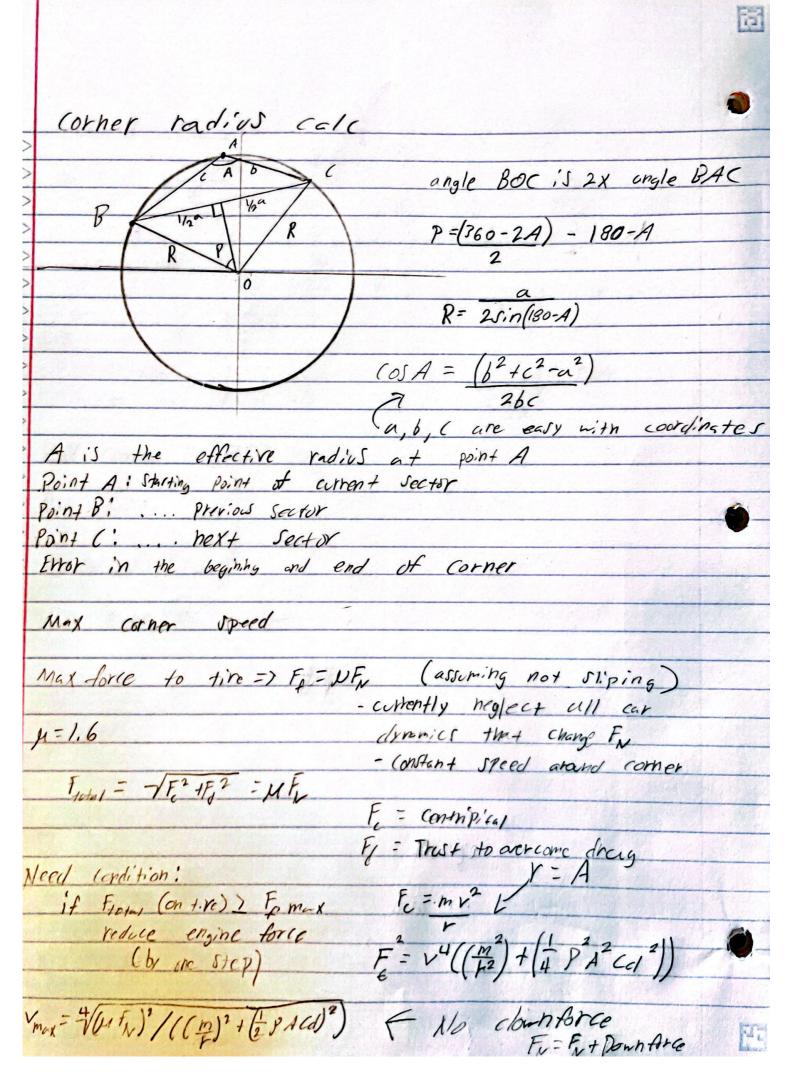
Turning For Lap 5,m $\Omega_0 = \frac{V}{R_e}$ Re= effective radius

Re $\Omega_0 = \frac{V}{R_e}$ SP = 1 , a = 0 - Area in contact with ground is print or footprint - When cornering changes in stip angles (reate lateral forces - When front wheels are Steered, a slip angle is Cheated which gires rive to a lateral force, this force the car, then terns (Yans) - amount of lateral movement depends on Sliding whocity and Slip V = Frictional force between two bodies Normal force between two bodies Load on tire hateral Force Coefficient = Ty (5 highe Fz nigher for L'ynter loads Ch S - Stability of venicle How | Fz | varies with ch 18 - estimating wheel loads Justin's Vembers: proportion of must on the front: . 47 (oF at 0 load: 1.6 wheel base: 1.5367 m load Sens: .000 40 7747 1967 -CGH: 332486 m Yaw inertia: 100 kg m2 < not verified G

Tire Forces	
The avle	
$W_1 = \frac{w}{2} + \frac{wA_yh}{f}$ $\frac{ore aste}{w_1 = load}$ on loft tire	property and a
w = weignt force (?)	
Ay= 1 ateral Arce	and the second
weight transfer h = grand to C6	
	-
$\frac{1}{4} = \frac{1}{4} = \frac{1}$	
1 2 4	
Eincrease in left load and decrease right side	-
in left load and decrease right lide	
Fraction of total neight -> LLT = Ayh	-
O. 1	
Roll Conter Height? Ch.17	
Roll center	
Neutral Roll axis	
Roll Rate/Roll Stiffress	
ROW RATE / ROW SHIPPELS	-
	-
	-
	THE REAL PROPERTY.
	-
	reference
	No.



A Also wont to implement 95 throttle for driver.

*Need trottle position data?

All that F assumes the car is one tire. After suspension geometry and weight distribution is implinented, need to check each tire for sip to find may correr speed. Vmnx will be tre set speed for exit sectors Find exit V with straight line accel eq. if Vex: + > Vmax no braking, maybe for Brake Vex: + = Vmax constant v around turn? Balance Throttle 4) if Vexit > Vmex(n+1) restort n sector with reduced Fergin Accelorate Flotal = JF2+ (Forgine-Fd)2 = VF Apex -> Vmax max I yo backwards and accel to entrance velocity Tal