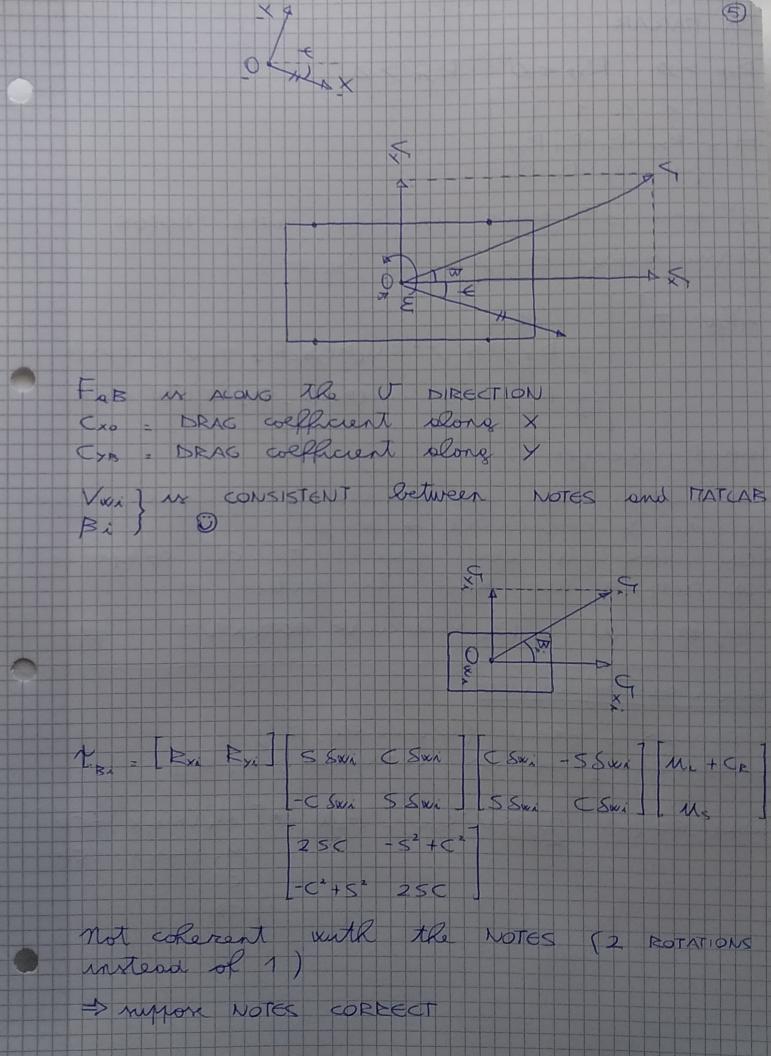


Mans (KIND, B: / (T/2)) WHEEL FRICTION C S \* - S S \* M. + CR MB = Sxi C Swi J Ms TB = (5 Swi Rxi - CSwi Rxi) (CSwi Rxi + SSwi Rxi) ] MB Reference the M COTTPONENTS in the BODY SCOPE reference brome 66 T M g cos 0 Fz W = H . Rz p SUZ CYA SII CYBSINB +-R2 MUW COS B I-Cxo COSB J - Mg SIN O - Rz MUW SINB \* FB = 2 i MB(i) FZ W(i) + 100 [Vo-V] > tsi(i) Fzw(i) + tea (:) CONTROLS PLANT MU V COS (4+B) dy w JSIN (Y+B) dP dv. \* [0, 1;1] 04 TRACK - ERROR DOT HAT X



SM MATLAB EXF > Ø RXR < Ø RYF 70 Ryp - Ryp - Ryp Ryp -RXF-RXF-RXR 2 No and 3 RD Rows inverted with Notes Conndering 0 = 0 ( no scott) F<sub>2</sub>w= m Q R2 PS UTSIN(B)CyB-R2 m UT W COSB IR2 PSUT COS(B)CXO\_RZ MUW SINB What changer - ON NOTES, the AIR RESISTANCE is only alone × (no × component + B=0) - ON NOTES is also present the Cr component ON MATCAB VICE Rove The petron of: R2 M V W = R2. ANGULAR MOTTENTUTT WHY? SQUILIBRIUM SOLVER LAMBDADS : FSOLVE (@ LONG-EQ , Ø) LATIBDA Ø = [LATIBDAØS; LATIBDAØS; Ø; Ø] LONG EQ (X) = IPS VO CXO + FZW !\* [M (KIND X)+CR ML (KIND, X) + CR CR D R

Beck to the PLANT I = FBX COS B + FBY SIN B I I B: FBX SINB + FBX SOS B 1 W Briterd of Roverng Vx and Vx, Rere ore V and B PLANT THX dx = 1 X=PxPxVBWYR dx 2 dP dP, dV dB dW W ERR multiplied 7 ery & WHY? -FaxSB+FaySB dB = dV TAN \_ W dV TANGENTIAL Stronge, the unit measurement consistent