

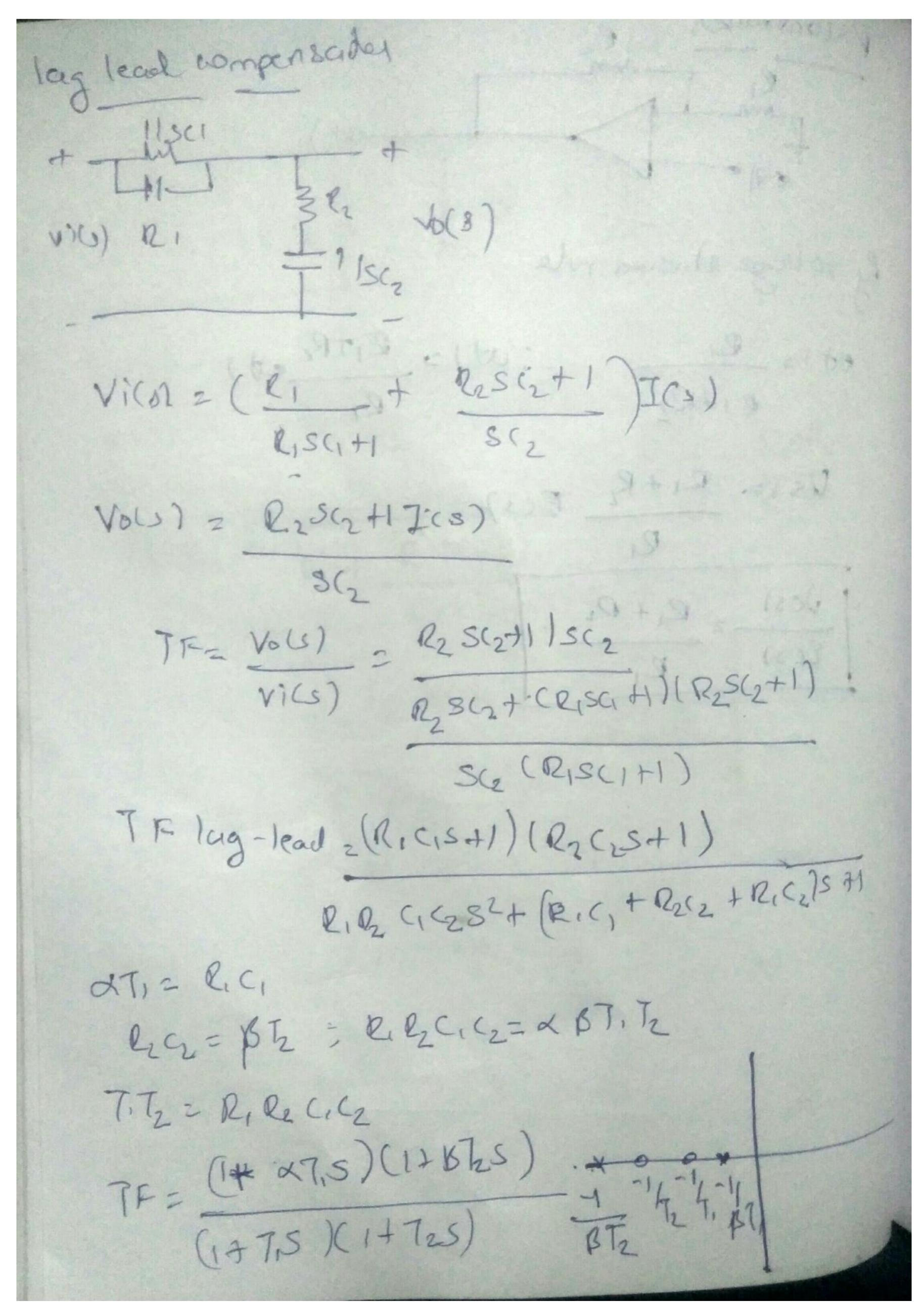
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ead compensator V1(9) R1+11CS Q2(Q,(S+1)+121 R2 (R(CS+1)

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By vollege dinsing whe Usia RI+RECI).

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RI Iondrolles UH 1 2 [et 1+ Set WH] -: at1. 4pcf 1 3 4p fet 1 dt where up = Proposad gar Ti = Zotegral time Up > 4 E(s) + 40 2(s). -u+12 -e(+1)2 - = 15 5th d4, T. = R2(2)

oct + lepTd dely) USI = KpEGITHPTdSEGS) Abore example -UH12 Bred1 + Pride ed) U(1) 1 P2 e(1) + R2(1 die+1)

PID condrolley 11(,) 11dx 8.50 chagget C - ROH (3) + 1 112 eth 2 (1 det) C my ph he he had (ics) 2 - E(s) + (stes) I(0)=(=+(i)) E() 1(S) (P2+-1)=-0,(4) - [- 2 + (1 + - 1 + 12 (15) 85) = U/S) (25) R1 [P2(2+R1C1+ 1 + R1C15] Ti = 12/2 Kgs 122 Td= 1219 R1 R1-1262 =1

Servo Motes eg) kphm kpkm .. QES) 2 S(7~S+1) 3 (7ms +1) thekm 1 + liphon 5 (7-15+1) (but 1) 2 11/10 . 1 17GB) H(S) = 0 TM32+ St lepum = 0 223) + 1 = 3 - 1 - 1 = 10 Sm2 -1 + J1-47 mkphm. poler of the Transfer/function depends on the values of lep 6 um 1) 1369+ 1-100+100+100 130 57.57

R) Time domain specifica Eg 2 Jahren H-Intplum-T

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2 et 1/2 5 Trakpen 51- III Mo= e 1/ Jahphmin-1 getting 7, me: 57. Estat= 8 3 -3 67m/, 67m/, 147m) Difference between first order and served order.

Systems

2 st order -) In the system of which as importationages. output also changes but not immediately As called first order system.

The system takes some delay. oscilations. [does not exhibit ripples] 2nd order 12 independent energy storage element. -) may or may not exhibit oscillations."
behaviour behaviour -) Natural drequents and damping ratio ptop a imperstant role. 1 - my sy them to be