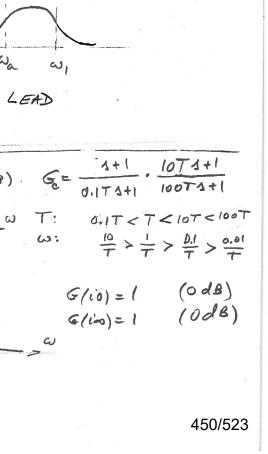
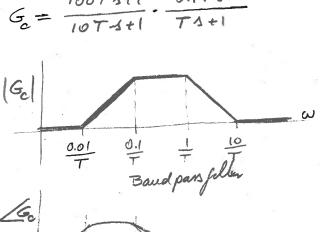


05 LAG-LEAD COMPENSATOR (NOTCH FILTER) Ga/10)=1 $G_{c} = \frac{\Delta T_{a} + 1}{\Delta T_{1} + 1} \cdot \frac{\Delta T_{c} + 1}{\Delta T_{2} + 1}$ Gc(ioo) = Ta Th lead lag TIKTA < TEKTZ w, > wa > waswa (Gc) w= .006 HP filter LEAD LAG Example (Fig 11. 35, p 648) G= 1+1 10T1+1 O.IT < T < IOT < 100T (中) ナン サン (m) NOTCH FILTER (0 dB) G(10) = 1 0.01 0.1



C6 LEAD-LAG COMPENSATOR (BAND PASS FILTER) 5Tat1 , 5T6+1 Gc = かけり うたさん wa < w , < w2 < w6 Ta>T1>T2>T6 (8) /G. Example: Band pass filter $G_c = \frac{10075+1}{1075+1} \cdot \frac{0.175+1}{75+1}$



Example Elter G= Ts+1 . 10Ts+1 0.1Ts+1 100Ts+1
TI Ta TE TE
0.1T<T 10T < 100T W/>Wa> Wb>Wz $\frac{10}{7} > \frac{1}{7} > \frac{0.1}{7} > \frac{0.01}{7}$ ω2 < ω6 < ω2 < ω, 0.01 0.1 + 10 R LEAD LAG