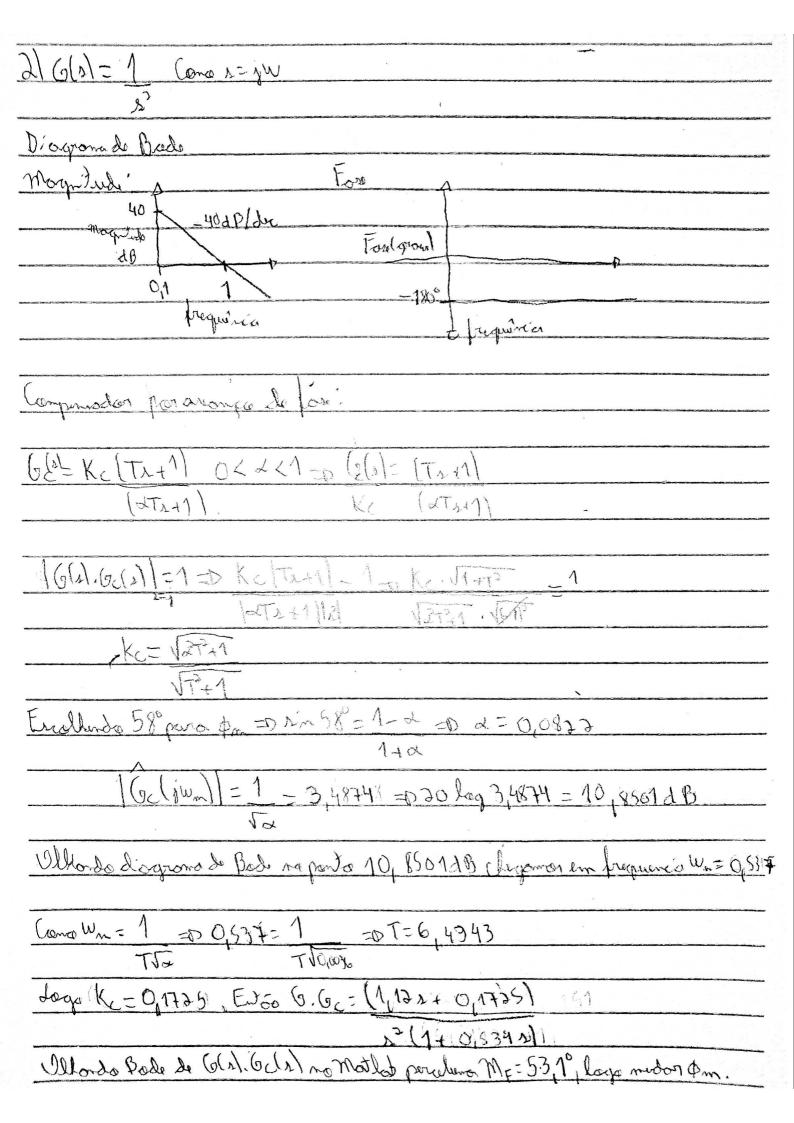
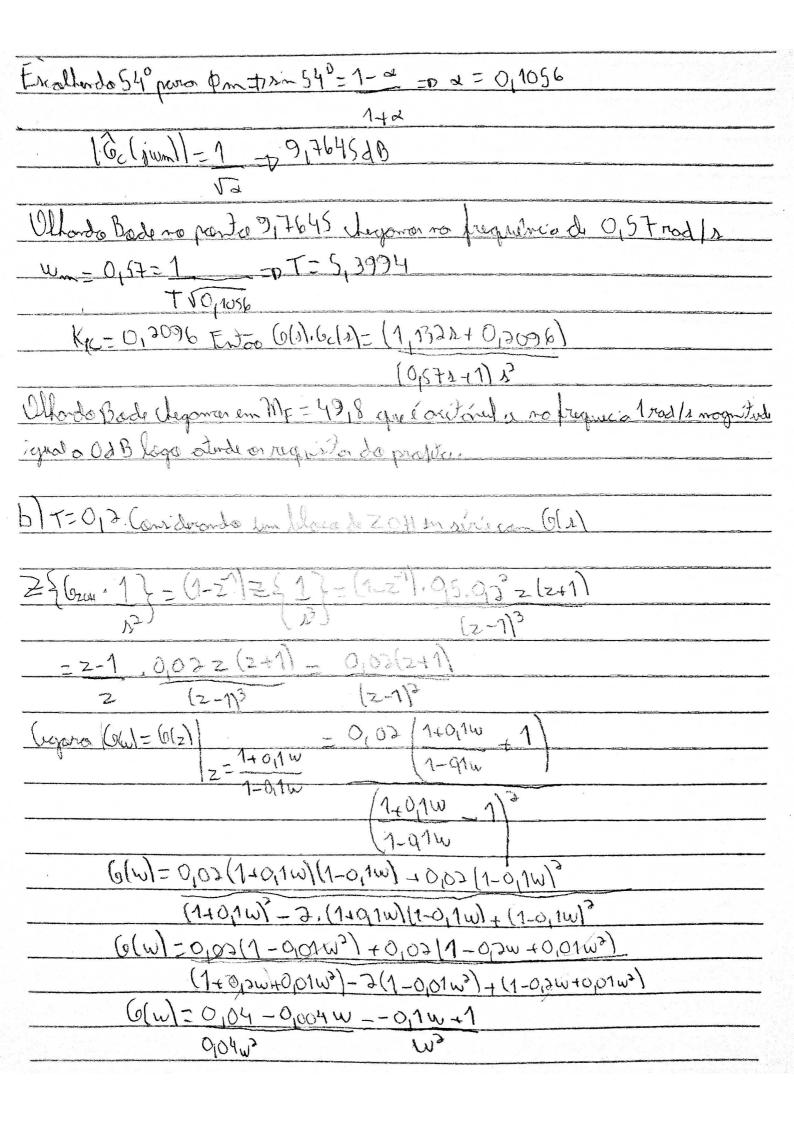


c/ haro (o(z) = 0,3679z+0,2642 em z= 1+ = 1 − 1+0,05W
[2-1](2-0,7679) 1- \frac{7}{2}W 1-0,05W
Louge 6(w)=(0,3679). (1+0,05w) +0,2492
(1-0,05W), milipliando por (1-0,05)
$ \frac{\left((1+0,05w) - 1) \left(1+0,05w - 0,3673 \right)}{\left(1-0,05w \right)} $
6/w/= (0,3679)(1+0,050)(1-0,050)+0,2642(1-0,050)
(1+0,05w-(1-0,05w)(1+0,05w-0,3679(1-0,05w)
6[w]=-0,03788w²-3,864w+92,43
W2+9,343W
Fogodo no Mothab: (Gw - d) 2 C (Gz, Tind)
Organia no d'occiona de Pado,
Oblado a d'appara na parto OSB degerra na fragueira 8,12 que da 210 na gratio
dofors. Lays: MF=210-180=30
Obodo d'organo no pronto em que o for i 180° despreso no fraquêrio de 15,6 rodo
que no Mogritudo do -7,57 dB, Logo Mo = 7,67 dB





Comparador de fose: Como querenca 50 de ME e tura - 5,77 non considerar on=61º
sin 61° = 1-2 = 0 d=0,0669
1+2
16 (16m) = 1 + 11, 7468dB
7, 12
Allada Bade nute parto 11,7468 de magnitude a frequência reale 0,51 rod/s
wn=10,51=1 -0T=7,5818
in 20,51=1 -0T=7,5818 T. VO,0669
Logo KC=0,1466
Estão (oc(w)=1,112w+0,1466
1 0,507/W4/
Logo (S(w). (c(w)=(1,112w+0,1466) (-0,1w+1)
17+W150201.50
Whords grático de bode julo mollob ilenano em M = 49,8 que i outainte mag-
while Ode no fraguenia 1 rod/2, Atatido ou reguisto de prapto.

Controle Digital - Questionário 5

João Viktor de Carvalho Mota - 160127823

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1.

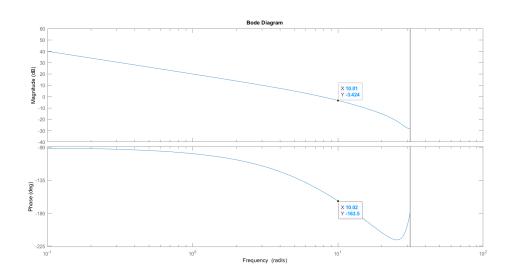


Figure 1. Diagrama de Bode 1)a)i) ponto1

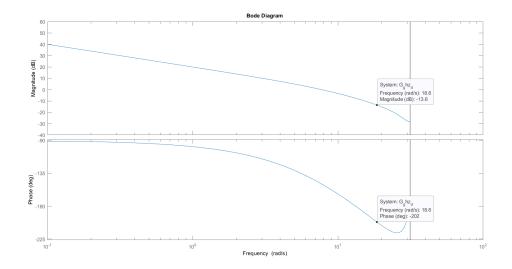


Figure 2. Diagrama de Bode 1)a)i) ponto2

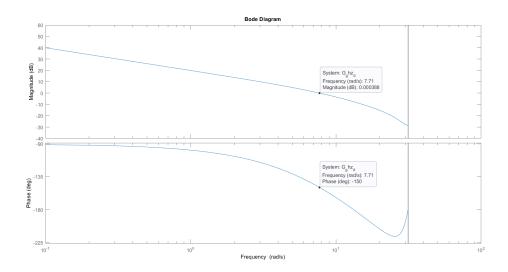


Figure 3. Diagrama de Bode 1)a)ii) ponto1

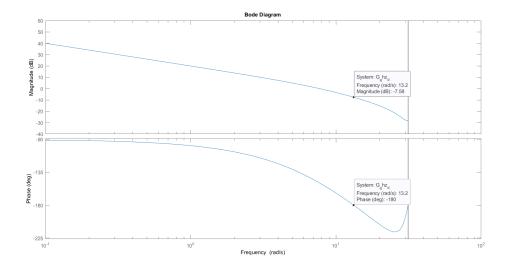


Figure 4. Diagrama de Bode 1)a)ii) ponto2

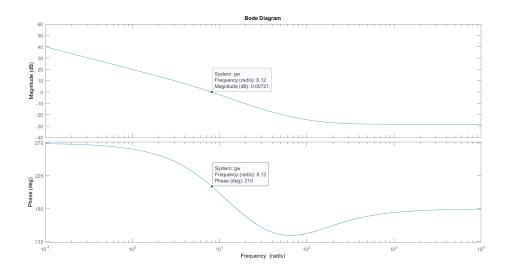


Figure 5. Diagrama de Bode 1)b) ponto1

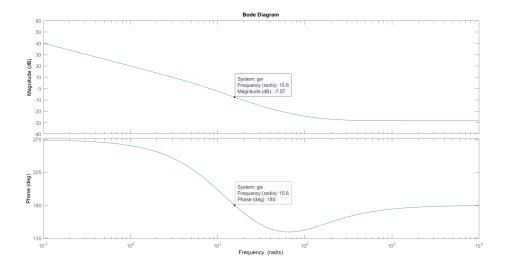


Figure 6. Diagrama de Bode 1)b) ponto2

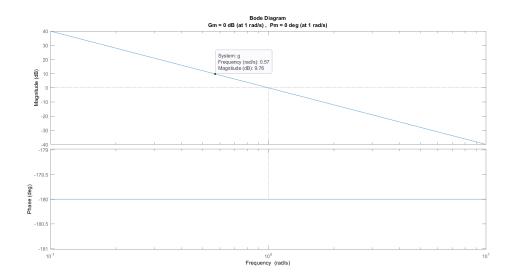


Figure 7. Diagrama de Bode 2)a) ponto1

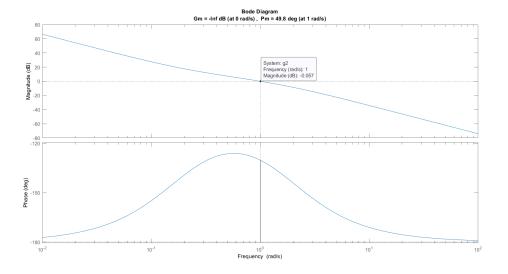


Figure 8. Diagrama de Bode 2)a) ponto2

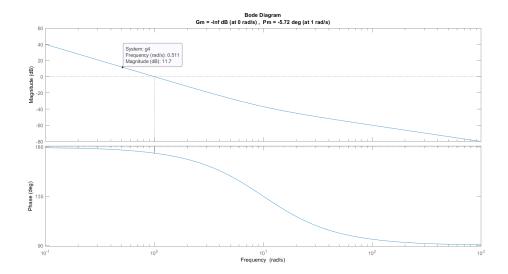


Figure 9. Diagrama de Bode 2)b) ponto1

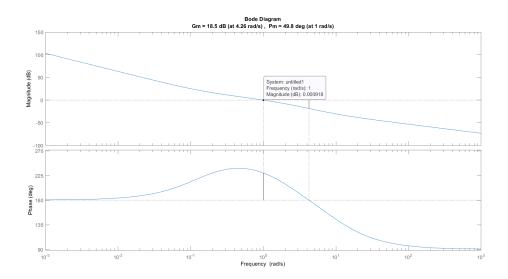


Figure 10. Diagrama de Bode 2)b) ponto2