Guilherne Shimabuho Silva Roche-11/0012623

Guilherne Shimabuho Silva Roche- 11/0012623 B-7.7 Sin wt + tg'(wT2) - tg'(wT) Bode Diagram for G<sub>1(s)</sub> Phase (deg) -15 10<sup>-1</sup> 10<sup>0</sup> 10<sup>-2</sup> 10<sup>1</sup> Frequency (rad/s) Bode Diagram for G<sub>2(s)</sub> Magnitude (dB) 135 Phase (deg) 10-1 10-2 10<sup>1</sup> Frequency (rad/s) Gs1=tf([1 1],[2 1]) figure bode(Gs1) Gs2=tf([1 -1],[2 1]) title("Bode Diagram for G\_{1(s)}") figure bode(Gs2) title("Bode Diagram for G\_{2(s)}")

 $7.4' (6(5)^{2} 10(5^{2} + 0.45 + 1)) = [10[1+(2.025 W/1) + (5W/1)^{2}]$   $5(5^{2} + 0.85 + 5) (9) 5[1+2.0,43 W/3 + (5W/3)^{2}$ 6=20109(10)=0,915 151 Guilherme Shimabuho Silva Rochz-11/0012623



