Gabtiol Gorospe 510:1696520 HW6 6.2 Z= juct swith = R-w2RLC1; who = (R-w-RLC+jwL)(-w-LC-jwRC) (-02LC)2+(WRC)2 (ablate) + a RC(R-w2 RLC) = 0 &R((R-ω RL()=(ωL)(ω L()) R2(-ω R2((22 -ω 2L2)) R2C= w2R2LC2-w212C Ric = w input given velous w = 20 4 rad (s) 6.86) HCW = 64(50+10) = 1000 (1+ 50) = -1000 (1+10) $M(\omega) = 1000 (1+\frac{1}{50})^{2} = -1000 (1+\frac{1}{50})^{2}$ $(\sqrt{2}\omega)^{2}$ $(\sqrt{2}\omega)$ $M[dB] = 2010g 1000 + 2010g (1+(2/50)^2) - 4010g \omega$ $\phi(\omega) = \frac{1}{2} + \frac{1}{2} \frac{1}{2}$ = -1000 - 40, $\omega + \omega^2$ line M[dB] = 2010(1000) + 4010g(50) - 4010gw = -7.96 (1000) + 40/09 & -40/0950-40/090















