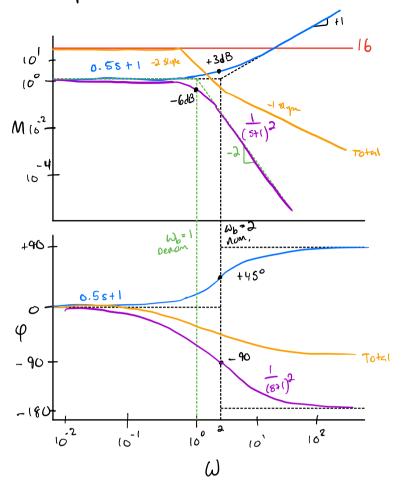
Lec 19 example contid



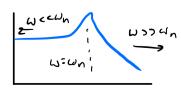
IN matlab: bode (60, 'r', 61, 'b',)

60= 4f([(6],[1]), 61= 0.55+1....

or h = bode plot(...) P = Set quitans(h) P. mas units = 'abs' etc.

Response of complex conj. part: $\frac{\omega_p^2}{5^2 + 27 \sin 5 + \omega_n^2}$

ج (رنم)



Low freq: $m \approx \frac{1}{\left(\frac{U}{un}\right)^2}$ $\Rightarrow (os \, m \approx 2 \log \left(\frac{U}{un}\right)$ same magnitude asymptotes as repented roots