















(5) (5) (6) (6) (6) (7) (8) (8) (10) (11) (12) (12) (13) (14) (15) (15) (15) (16) (16) (17) (17) (17) (18) (1
$R(s) = \frac{8^{2} + (2 + k_{0}) + 10}{8^{2} + (2 + k_{0}) + 10}$ it's characteristic equ $\frac{9^{2} + (2 + k_{0}) + 10}{10} = 0$ compare with $\frac{9^{2} + (2 + k_{0}) + 10}{10} = 0$ $Compare with \frac{9^{2} + (2 + k_{0}) + 10}{10} = 0 Compare wi$
i't's Characteristic oan 32+(2+ko)5+10=0 compare with c2+2 & wns+wn2=0 : wh2=10
compare with $c^2 + 2 \frac{1}{5} \omega n S + \omega n^2 = 0$ $\frac{10n^2 = 10}{2 \frac{1}{5} \omega n} = \frac{3.16 \text{ md/se}}{2 + 10 \frac{1}{5} \omega n} = \frac{3.16 \text{ md/se}}{2 + 10 \frac{1}{5} \omega n} = \frac{3.16 \text{ md/se}}{2 + 10 \frac{1}{5} \omega n} = \frac{3.16 \text{ md/se}}{2 + 10 \frac{1}{5} \omega n} = \frac{3.16 \text{ md/se}}{2 + 10 \frac{1}{5} \omega n} = \frac{3.16 \text{ md/se}}{2 + 10 \frac{1}{5} \omega n} = \frac{3.16 \text{ md/se}}{2 + 10 \frac{1}{5} \omega n} = \frac{3.16 \text{ md/se}}{2 + 10 \omega n} = \frac{3.16 \text{ md/se}}{2$
$\frac{2^{n}}{2} = 10$ $\frac{2^{n}}{4} = 10$
", steady state orror es = tim s E(s)
BW E(5):
s -> 0 s 1 1+ 10 s -> 0 s 1 1+ 10
=> eq = Lim 5 (5+2)+1.85 5+0 5.52 5(5+2)+1.85+10
=) egs : Um S+2+1.8 10 = 0.38
es = 0.38 md.