

- Tymax -> all poles with Re(5) = -4

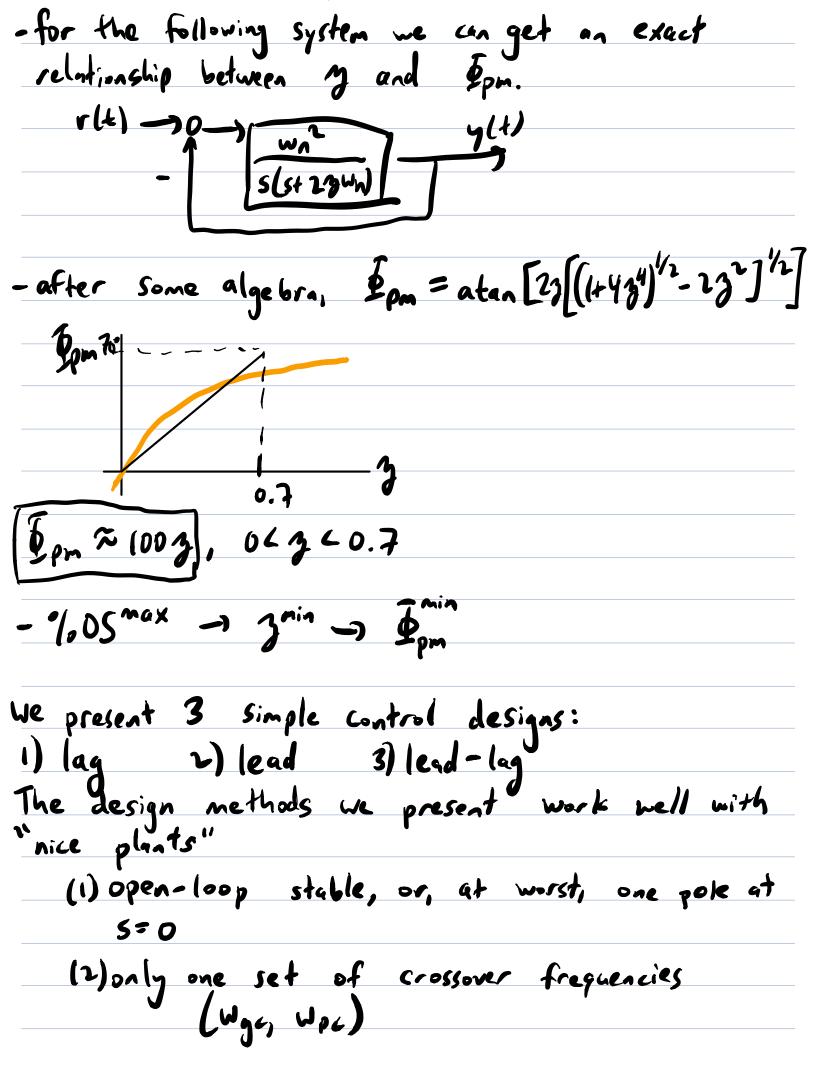
Tymax

Tymax

Tymax

Relationship between damping ratio and Epm

- we claimed that good gain and phase margins give good transient performance.



9.3. Lag Controllers Definition (Lag Controller) $C(s) = KC_1(s) = K \times TS+1$ 0< 4< 1 I5+1 K, 7 > 0 pole-zero locations of C(S) ((0) = K = Steady - state gain

Main benefit of a lag controller: reduces high frequency
gain who changing low-frequency gain

