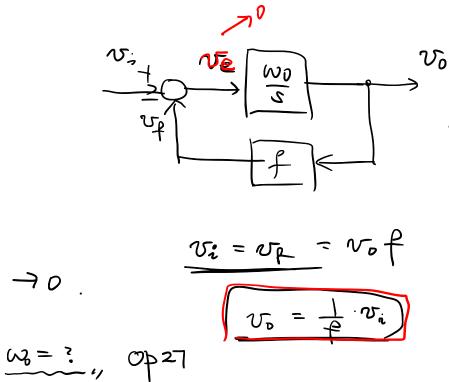
## L6 – Op-Amp (Dynamics)

$$Af \rightarrow \infty \Rightarrow v_e \rightarrow 0$$

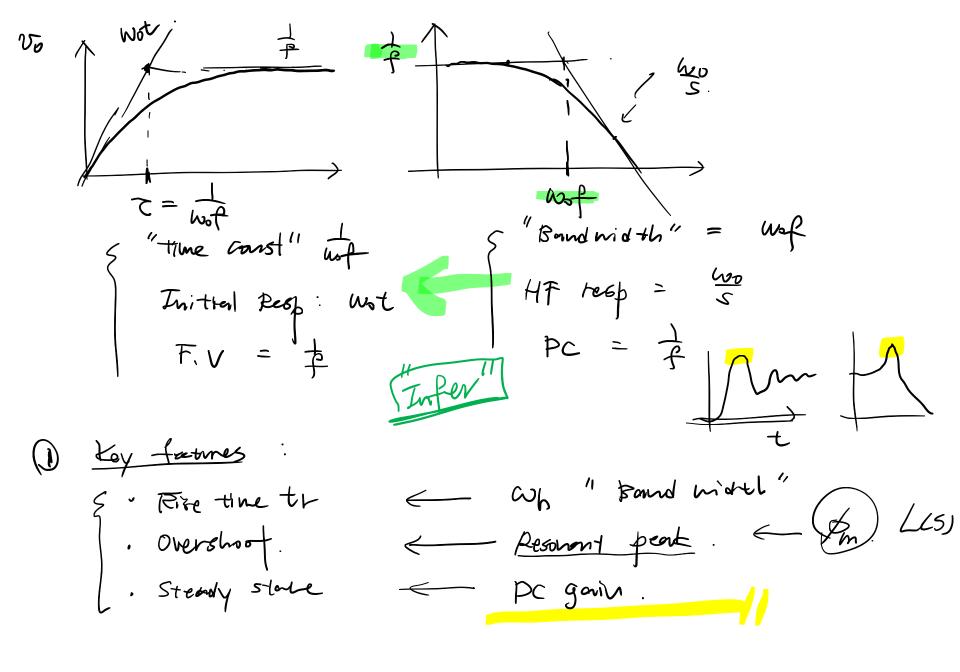


"Well-dostyned

$$(3) = \frac{\omega_0}{S}$$

1 A-so

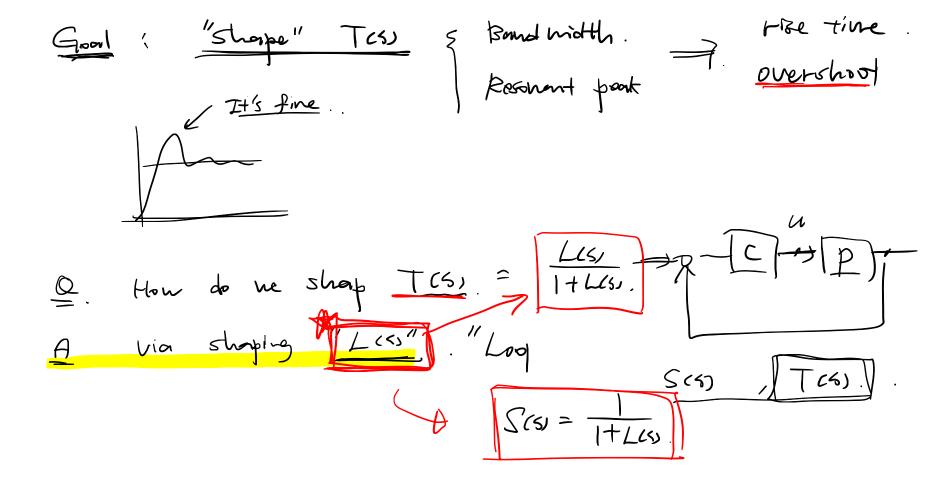
$$\frac{1}{S+\omega_0f} = \frac{\omega_0}{S+\omega_0f}$$
 "Evans form



(2) (De galin 
$$\times$$
 Esonodiath) =  $\frac{1}{p} \times nof = \frac{1}{p} \times no$ 

Dynamics

"Complementary Sensitivity"



unity -goin. We i choss-over freq , Øm phase margen & L'jwc) = (\* Lcjnu) +70  $T = \frac{L}{1+L} = \begin{cases} |L| \gg 1 & T \sim 1 \\ 4 = 0 \end{cases}$   $|L| \ll 1 \quad T \sim L \begin{cases} |T| = 1 \\ 4 = 0 \end{cases}$ "Should consid when on << 1 | H4| = Øm. => |T| = Øm