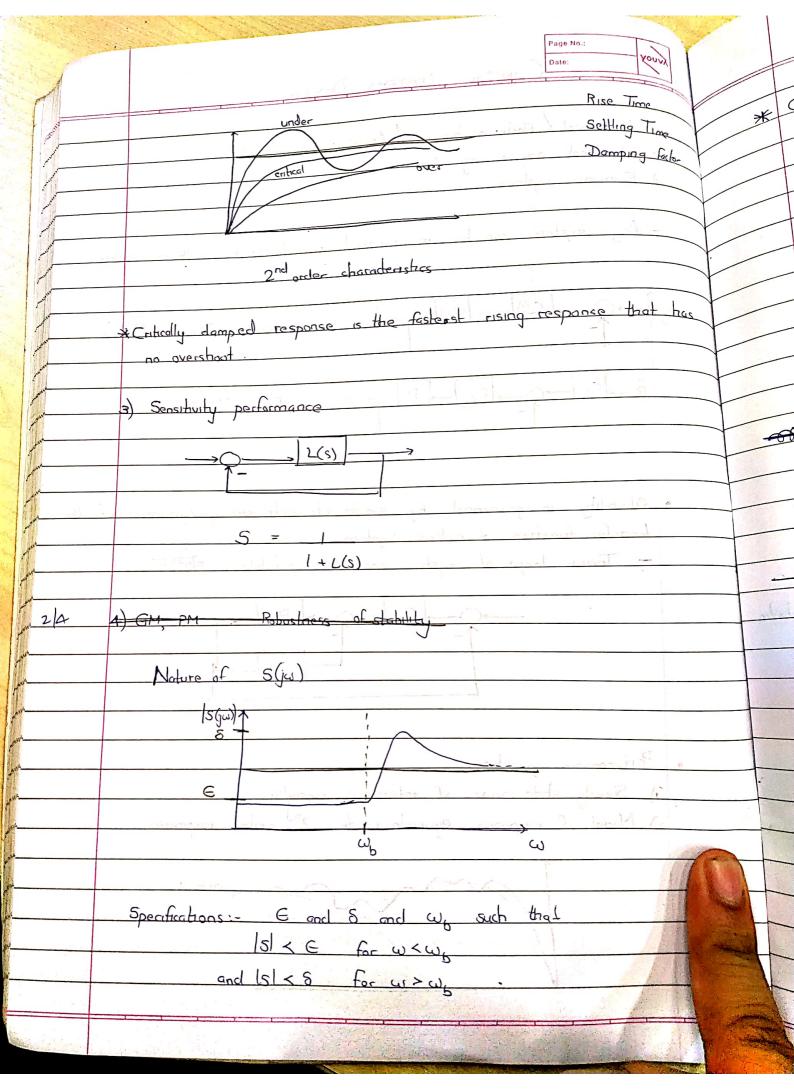
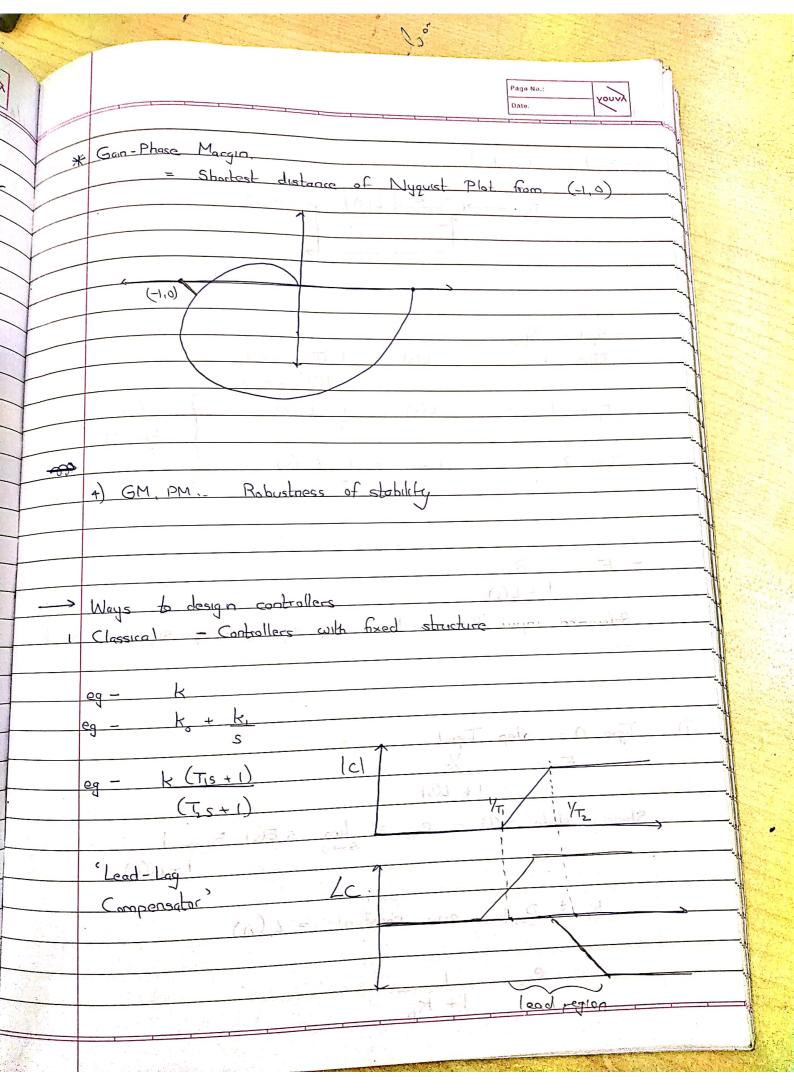
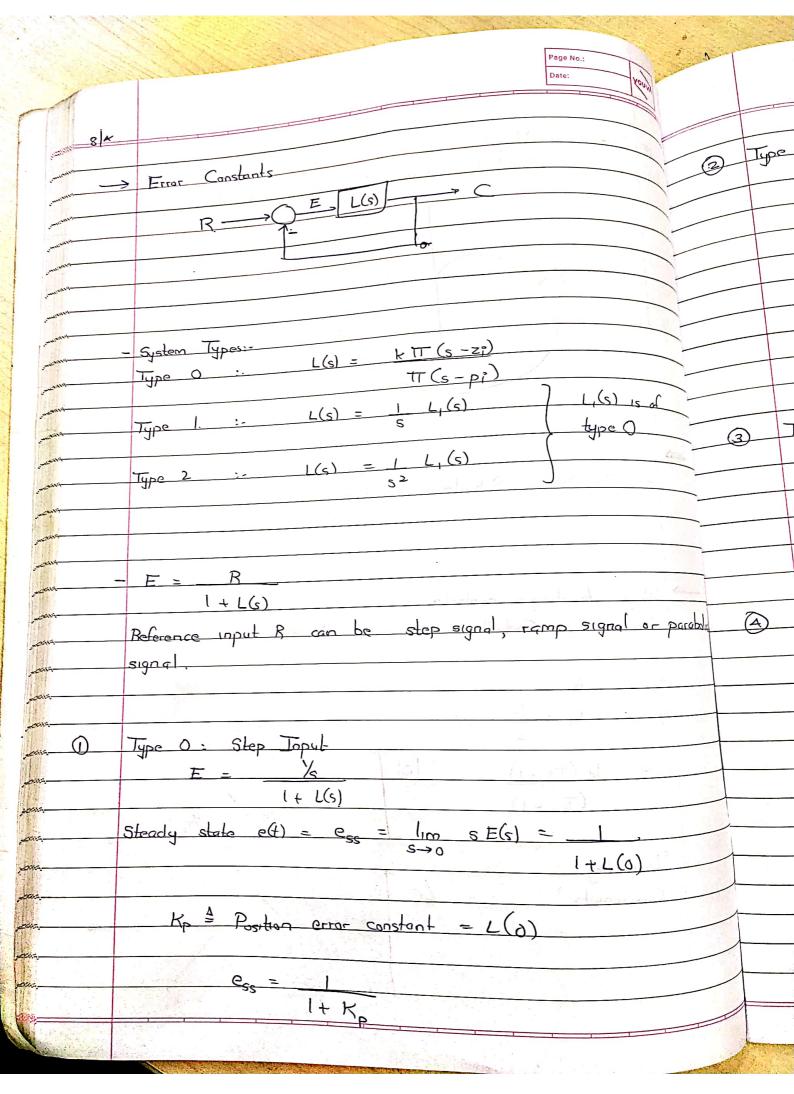
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1/4	CONTROL SYSTEMS DESIGN Date:
1	Mechanical / Flectromechanical / Aerodynamic Systems
2	Chemical engineering systems
3	Francomic systems
	Any system can be represented as standard feedback system.
eg	P(s) → P(s) → C Single Degree of Freedom
	$\hat{R} = C_1 \longrightarrow C_2 \longrightarrow P \longrightarrow \hat{C}$ Two DoFs.
	* Stability is governed by single characteristic polynamial of the transfer function of entire system. - Inner loops of system may be unstable. Elitary.
	$\begin{array}{c c} & & & & \\ & & & & \\ \hline \end{array}$
	Performance qualities 1) Steady state orror of reference signals. 2 and order response.
	2) Model of response equivarient
	actual
	approximated by 2nd order response

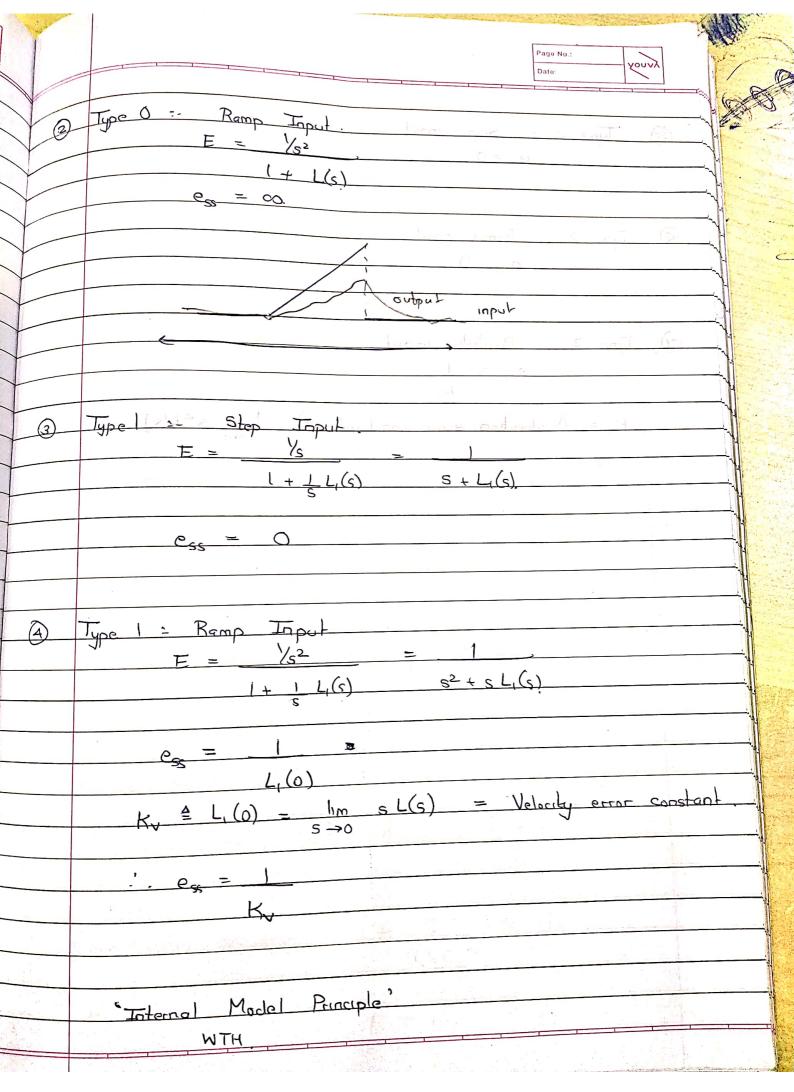


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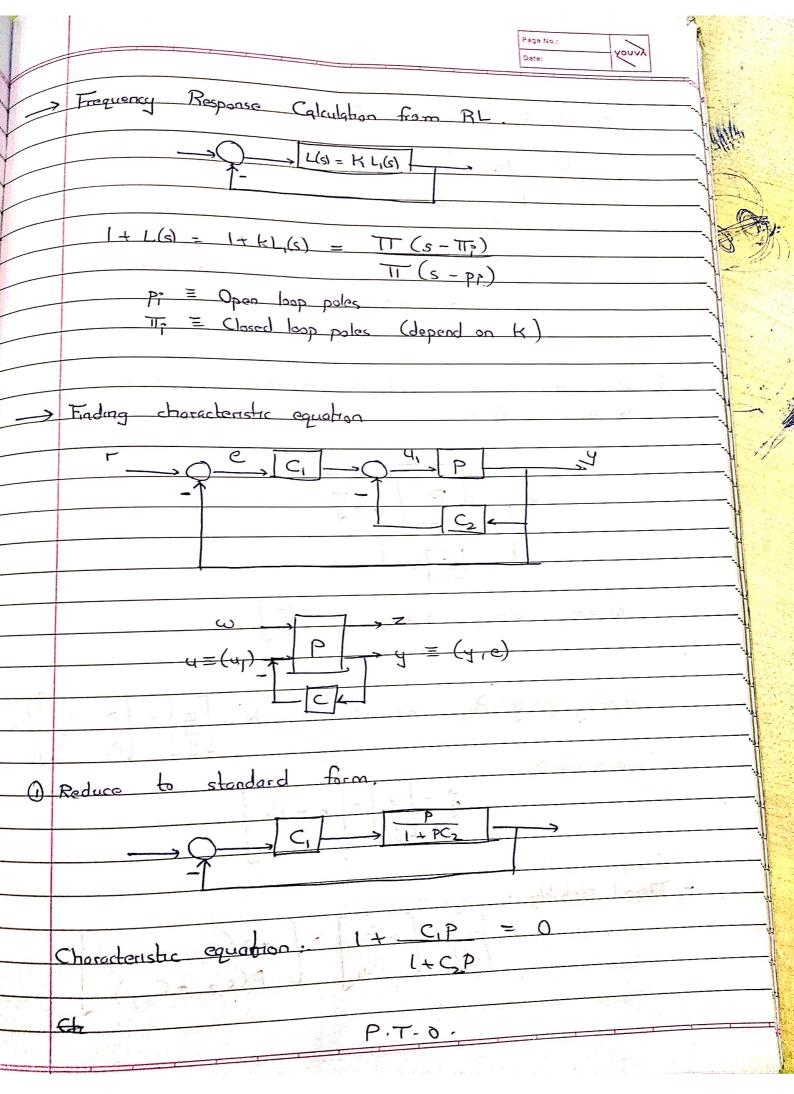


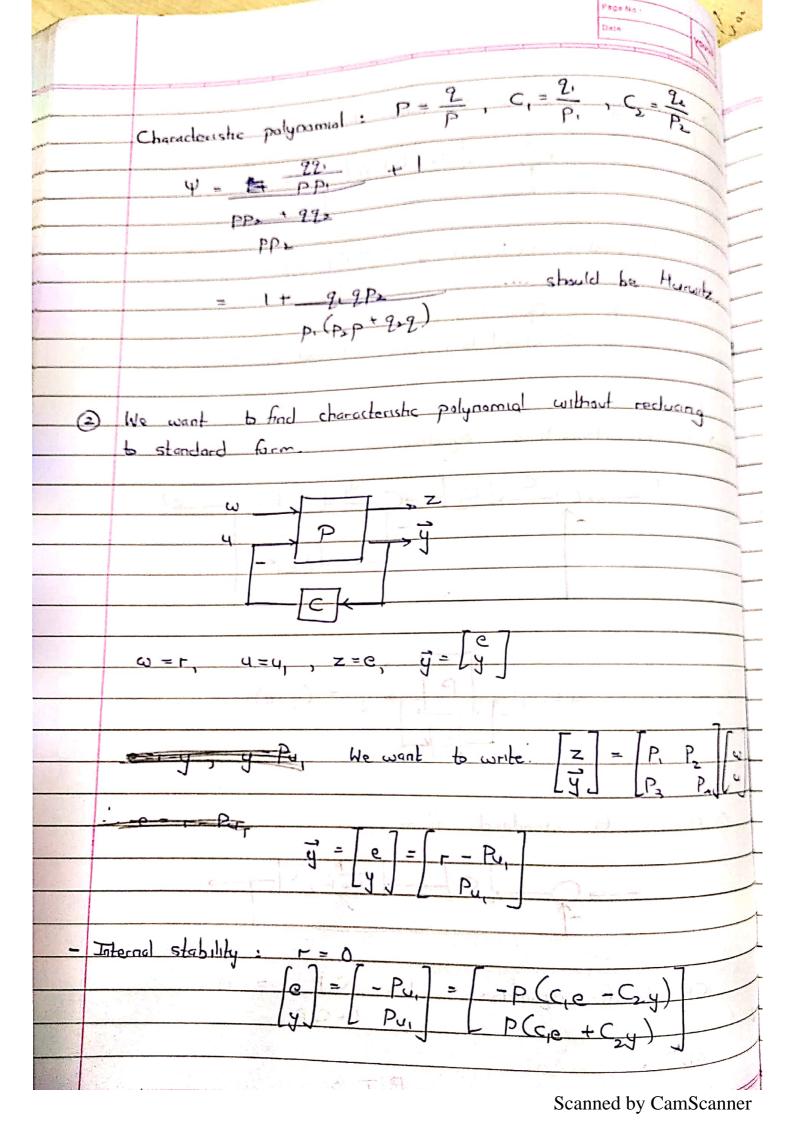
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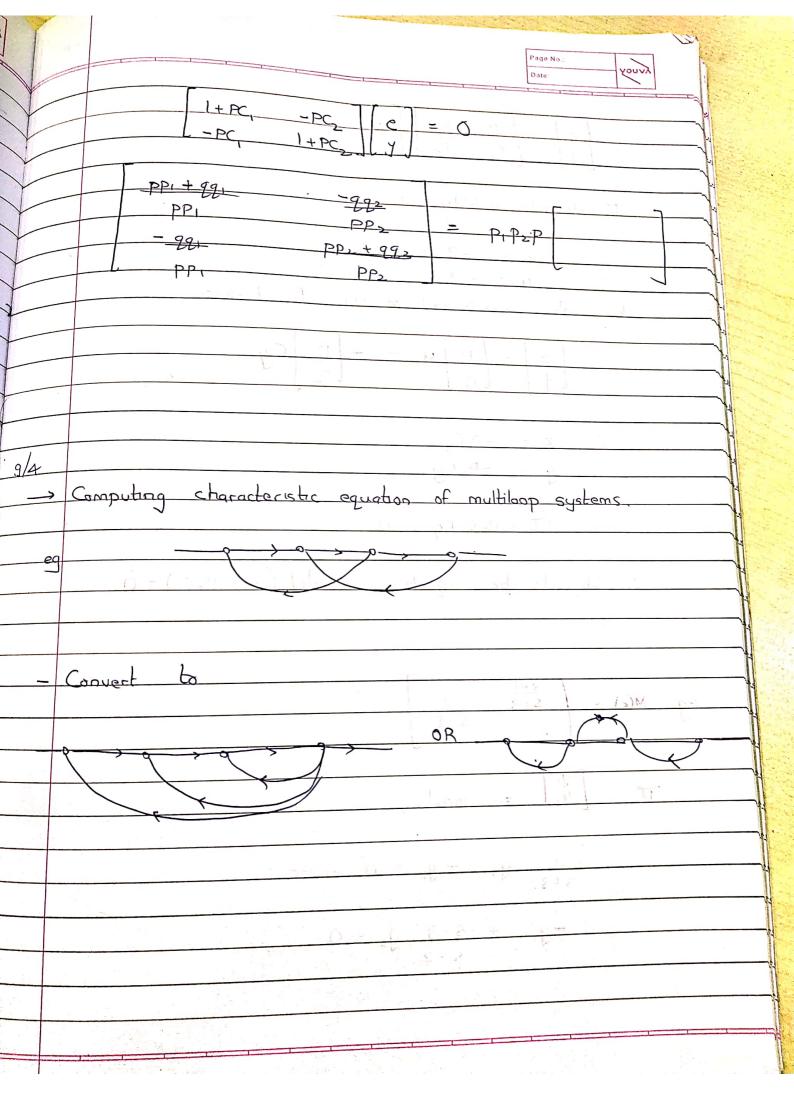




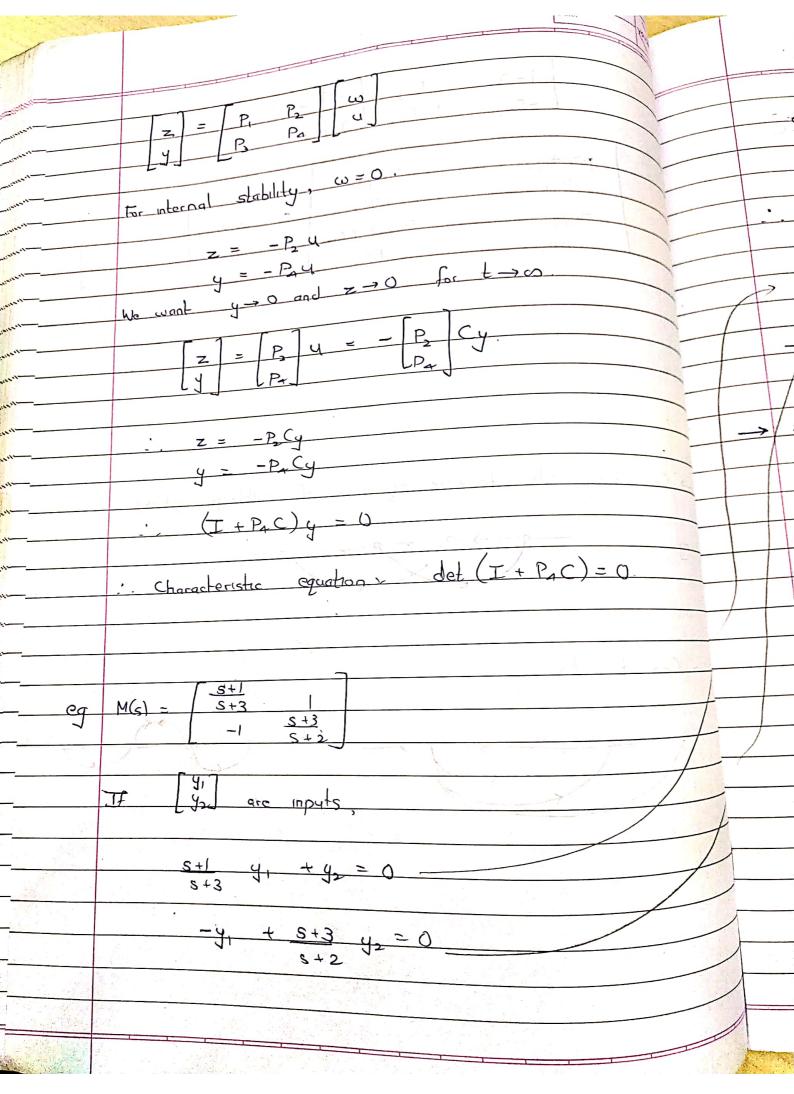
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