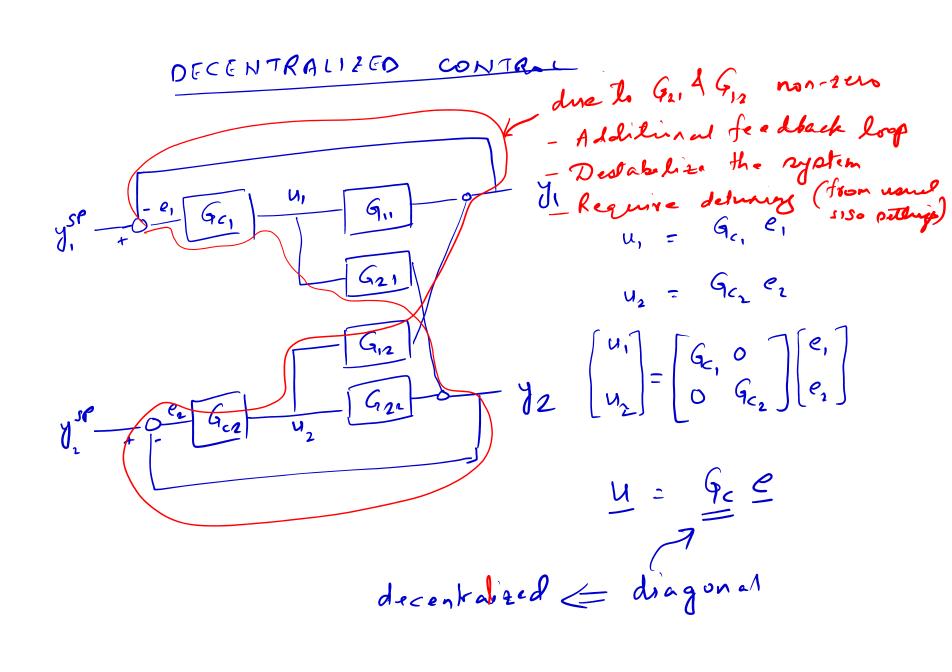
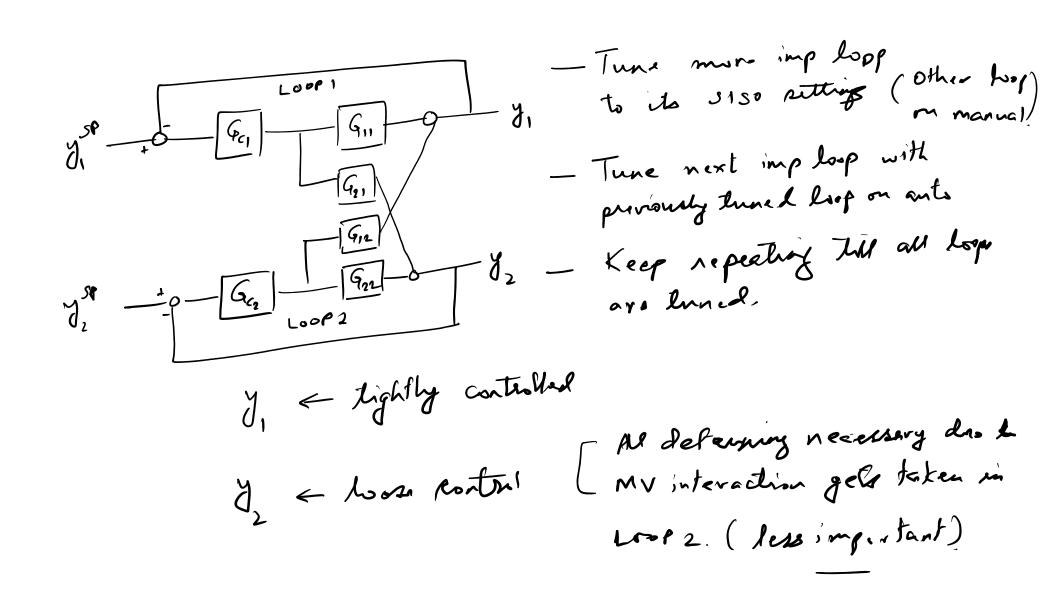
MULTIVARIABLE SYSTEMS continued

Interaction	Methics		NI	NI < 0	\times
			NI RGA	xiz < 0	X
Dynamics	И ₁ И ₂	y //		7y~1	
		7~			
Large Large	ge gains	amica	Applyers	Common	Dense





BALANICED DETUNING

BLT Luyben — Obtain individual loop tuning

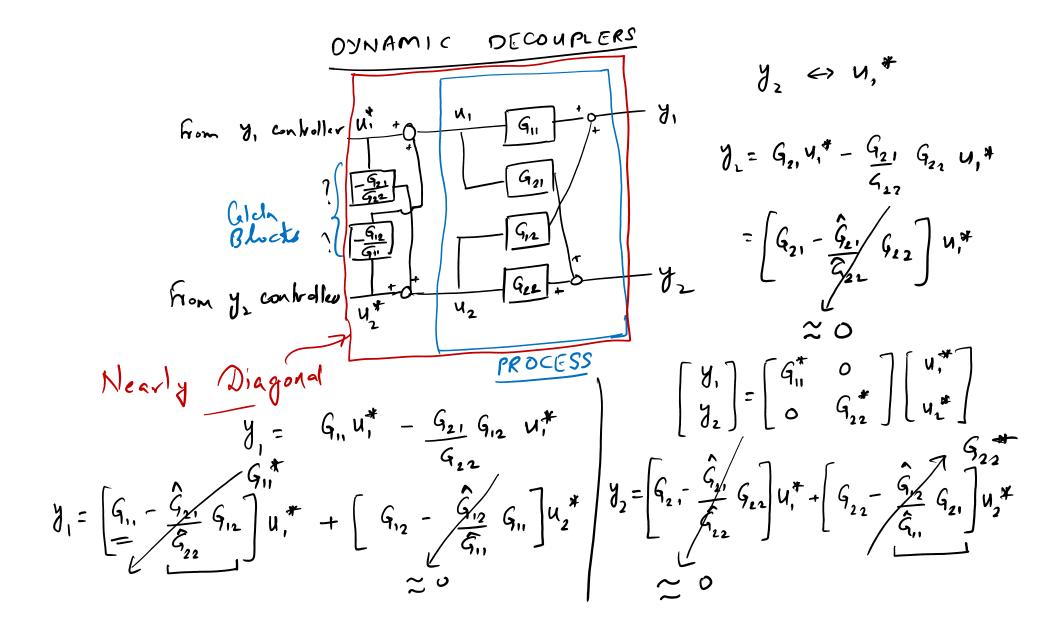
Analogy with SISO system for all loops
$$2\frac{N}{1}$$
, K_{c}^{2N}

SISO MV — Went $f_{71}(detuning feath)$

CLCE $1+G_{p}G_{c}=0$ $|I+G_{p}G_{c}|=0$ $K_{c}^{2}=\frac{K_{c}^{2N}}{f}$ $I=f_{71}^{2N}$
 $G=\frac{G_{p}K_{c}}{1+G_{p}K_{c}}=\frac{-1+CLCE^{mv}}{CLCE^{mv}}$ $f=?$
 $L=20\log_{10}\left|\frac{W}{1+W}\right|$

Define $W=-1+\left|f_{7}G_{p}G_{c}\right|$

No Obtain L_{c} over relevant frameway range L_{c} L_{c}



- Decentralized Control System Tuning - Dequentied - Balanced Delining

- Dynamie Decoupling