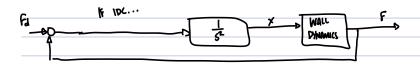
HINGS ON THE EXAM	
· RORUST CONTROL	
· Sliding Mode	
· APAPTINE CONTROL	
·BL ABLE TO WRITE OF Y IN TERMS OF DYNAMIC PARAMETERS	
<u>'</u>	
· Operational Space Compol	
\cdot \mathbf{J}^{T} \mathbf{J}^{T} \mathbf{I}	
IN OP-SPACE	
DRAW BLOCK DIAGONAS, WRITE CONTROL LAWS	
, , , , , , , , , , , , , , , , , , ,	
BE ABLE TO COMPUTE INSIDIA MATTRIX IN OP-SPACE * H	
· STIFFNESS / IMPEDANCE CONTROL	
· STIFFARSS IS LOUIS PD GAINS	
· IMPERANCE IS VERSION OF STIFFNESS W/	
William A Nitiliam A.	
. COMPLIANCE/ADMITTAVE CONTROL	
· CAUSALITY IS FLIP	
· PD GAINS STILL HIGH	
1 y signifus since things	
DIRECT FORCE COMPROL	
y-post 1 William	IN GENERAL:
	· SKETCH BLOCK DIAGRAM'S
Hyperg Chron	· WETE CONTROL LAWS (OF ADAPTATION LAWS)
· HOW DO WE GENERALE TABLE OF CONSTRAINTS & GET S MATERY?	· SECTION A POOT LOCUS TO DEMANSTRATE STABILITY
Links to the address to the constitutions & other to talkilled	W/ WALL STIFFNESS INCLUDED
	Only happens w linear block Diagram
MULTI-ARM COORDINATION (GOOD LEVEL STUDENTS)	· Able to discuss peas/long of different methods
· EAZNSON & HYBPLD	. Now to have a find a suited the links
· WE SHOULD BE ABLE TO DO THE SAME THING	
· Pelative Jacobiain	
. Essellar magnitu	
Tecoperation	
. BILATERAL SERVO &	
· FORCE FECTORACIE &	
· Combo of These	
· Only of Hey	



WELL SAY THE WALL ACTS LIKE A SPRING



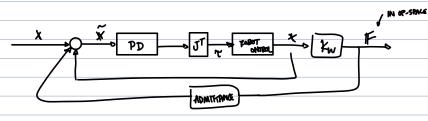
NOW WE CAN DRAW A

POOT COCUS PLOT

ADMITTANCE VS. IMPEDANCE: POUNT IN SOUTH CONTROL TO DE TOURS TO DE

IMPEDANCE

WC COMPUTE ERROR IN POSITION, PUNISHED
THE FORCE ON MOTHES



ADMITTANCE MODIFIES TRAJECTORY

- CAN KEEP HIGH PD GAIMS

FORCE NOW CAUSES A MADIFICATION OF DESIRED

TRANSCIPORY, SO WE CAN BEEP PD GAINS HIGH

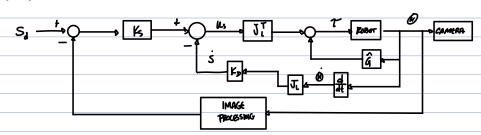
· IMPERANCE CONTROL IS MUCH MORE STARLE THAN ADMITTANCE,

SO SOMETIMES IT IS BETTER-

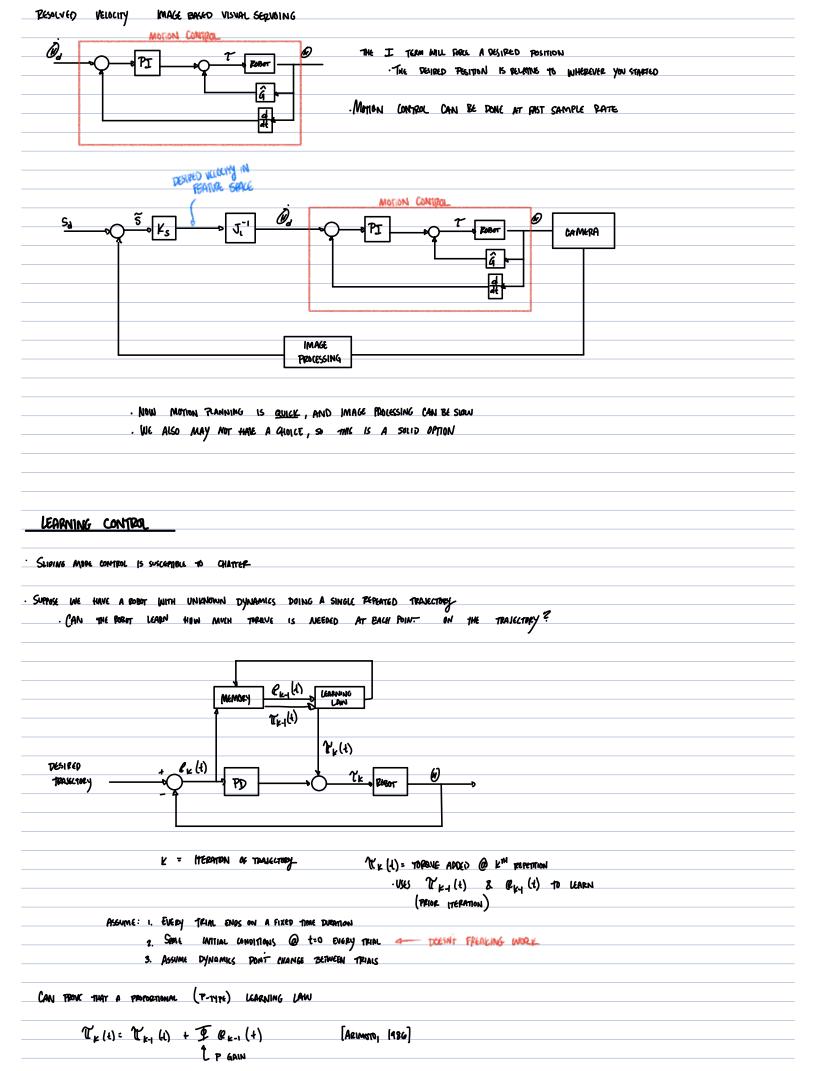
EXTRA CREDIT TOPICS

<u>Visual separing:</u>

NEW SPACE. FEATURE SPACE



- · SOMETIMES, POROTI DON'T HAVE DIRECT MOTOR TORQUE CONTROL
- · IN PRACTICE, POROT MAY NOT BE ORN-ARCHITECTURE > NO DIRECT CONTROL OF MOTOR TORQUE
- · MAGE PROCESSING MAY BE COMPUTATIONALLY EXPENSIVE
 - . (WE WANT SAMPLING PATE TO BE FAST
 - · FEATURE MEASUREMENT



More Generally lik can have	
,	
Tr = Tr-1 + Ter, + 1 # er, +	Ψ f er, dt
CAN ALSO BULLD IN A RECENTING FACTOR & ($\alpha \in [0]$	-17)
The last to the Management of the last to	- 1/
Tr = (1-a) Tr, + a To + I Cr.	
(1 ×) (2, 1 × 10 1 JF (2,	
0 ζ α ζ	
IF e=0, system will foaget learning	AND THIS RALE TO TO
17 C - 0 , 275 Mail value rounds (Campaino	LIMP TAILS BAICE IN [0
POBUST AGAINST: ERRORS IN INITIAL COMITIONS	
FLUCTUATIONS IN DYNAMICS	
MERSUREMENT NOISE	
hww-cidit halse	
Guarantees tracking Precision	[ARIMATO [991]
Name to the test of the test o	fusa, and first