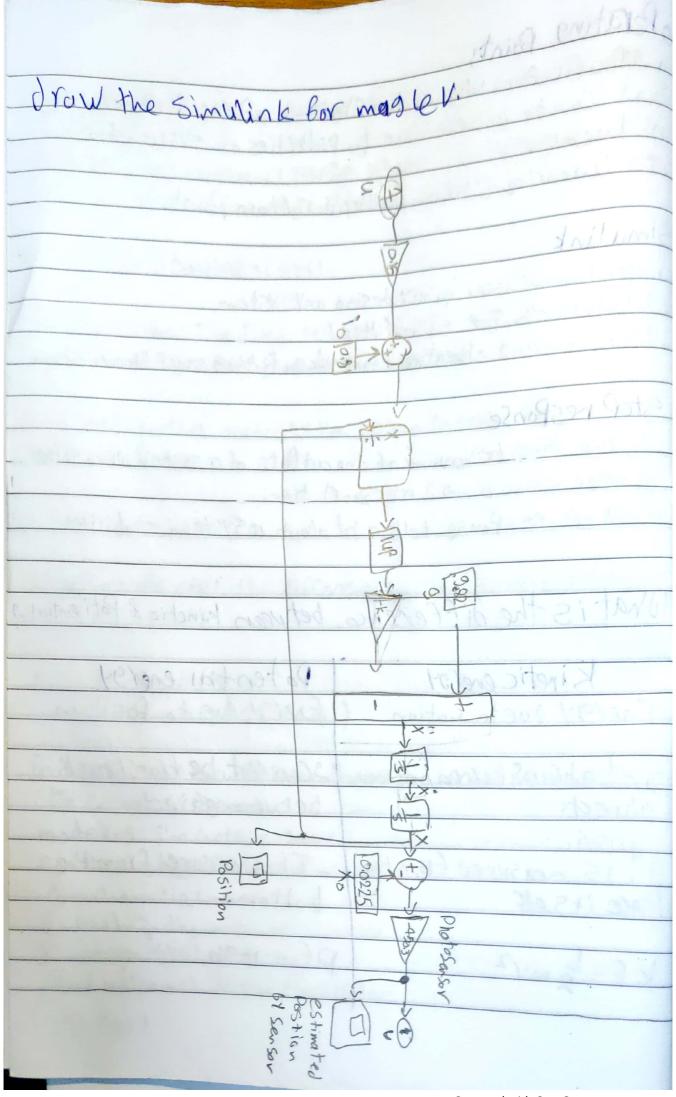
what does it mean by Polarity and Constation? Built and also negation of an atom or a whecale having postive and also negative charg charges, especially in case of magnetic of an electrical Pales. Levitation: The state of rising and floating in the gir in apparent defiguce of gravity. what is controller emulation and how to verify performance of Controllers? emulation; is to use a discrete equivalent of a Continous Controller in the design of digital Controller we verify the controver with nising time, settlingtime, modelax no one (Shoot. Define and write all the requirments to calculate and ampute all using contation odulations? Gain Crossover frequency: The frequency where the magnitude of the open loop Hansfer function is 1 Phase margin Crossover frequency: The Frequency where the Phase Shift of the open (of tlansfer function is - 180 Gain margin: The gain which can be varied before the system be comes just stable, occurs at Phase crossover Phase margin, The Phase that Can be varied before the System be one just stable, occurs at gain crossover frequency.

1 1926 700
Band Width: Frequency range where the magnitude of  Closed-look gain doesn't drop below -3 dB.
Band Width: Frequency range where the standard Closed-look gain Soesn't drop below -3 dB.
* bandwidth=bandwitth(545)
o as a curve to read
and that willing a service against
Rise time: The time reeded by the system to reach graph from
143 Final Value
* Stepinfo (SYS)
Steady-State evor: the difference between the input (netering)
* [Y+] = Step (SYS)
Ssevior - abs (1-/(end))
Indicate Why each of the following are reeded in relation to control system?
modeling: The control engineer designs new systems, a Perato
Onathematical model
@ Analyze the mothematical model
3 design System Controller Milliam ozphi
4 In Plement SYStem/Controller
5 test

a specific point	
a specific point	
that Can be Within the SV	chi w Derabi a administration
inf hence ensaged due to	Or-Doction C syste Souton
to linearis	FIORE ITS OF STATEMA TOWN
System alouh	of Costain Point
- Allows things for STS of Union	
- Allows things For SISOF MTH	any system
- Allows Finding SISOF MTH	0
ofbrating Point	sde amputing exact linearization.
Step response	
is the time has	
changes from a - 2 at sho	e out Puts of a system When in Puts
The state of the s	The Time.
- DIRA MIN	I mint a land
= Step response tells a lo	t about a SYStem Stability.
	t about a SYStem Stability.
	t about a SYStem Stability.
	between kinetic & Potiential.
What is the difference	between kinetic & Potiential.
What is the difference Kinetic energy	between kinetic & Potiential.  Potential energy
What is the difference  Kinetic energy  Energy due to motion	between kinetic & Potiential.  Potential energy  Evergy due to Position
What is the difference  Kinetic energy  Energy due to motion	between kinetic & Potiential.  Potential energy  Evergy due to Position
Kinetic energy  Energy Jueto motion  and be Hans ferred between	between kinetic & Potiential.  Potential energy  Evergy due to Position  - Can Not be Fransferred
What is the difference  Kinetic energy  Energy due to motion	between kinetic & Potiential.  Potential energy  Evergy due to Position
Kinetic energy  Energy Jueto motion  Can be Hans ferred between  - objects	between kinetic & Potiential.  Potential energy  Evergy due to Position  - Con Not be Fransferred  between objects
What is the difference  Kinetic energy  Energy due to motion  Can be Hans ferred between  -objects  It is measured from the	between kinetic & Potiential.  Potential energy  Evergy due to Position  - Can Not be transferred  between objects  It's measured from the
Kinetic energy  Energy Jueto motion  Can be Hans ferred between  - objects	between kinetic & Potiential.  Potential energy  Evergy due to Position  - Con Not be Fransferred  between objects
What is the difference  Kinetic energy  Energy Jueto motion  Can be Hansfelred between  -objects  It is measured from the  Place itself	between kinetic & Potiential.  Potential energy  Evergy due to Position  - Can Not be transferred  between objects  It's measured from the bottom.
What is the difference  Kinetic energy  Energy due to motion  Can be Hans ferred between  -objects  It is measured from the	between kinetic & Potiential.  Potential energy  Evergy due to Position  - Can Not be transferred  between objects  It's measured from the



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