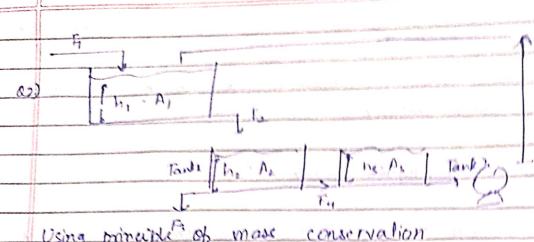
	DATE:_/_/PAGE
	Manan Madan
	20180103087
	Inferential control: injuntial control is based an estimate of
	the controlled variable
7	Eg: emperical relation, kalman filter.
	· Inferential controls is needed, when the controlled variable
	are difficult to measure. Hence fluse variables are estimated
	from some easy to measure process variable and then
	used in feedback control.
<u>Z</u>	
	Set point.
	secondary outputs
16. <u> </u>	delay free) Internial estimator
	TANGELRED
	Obito, and the second of the s
	Inquential
\rightarrow	a should control all
	En injugantial control -> In standard control all
	the some variables are measured
	all estimated and measured
	not measured
	Integratial control - Feedback control
-	brogan.
	Carata Colinaria
	to measing varie with
4	is then used to send
	to feedback cotrol.



Using principle of mose conservation ascerning density a contact

A, dh = F, + Fa - Fo = F, + F3 - xh,

Az dha = F2 - Fg-F4 = -«1h, -dah, -do, (h2-h3)

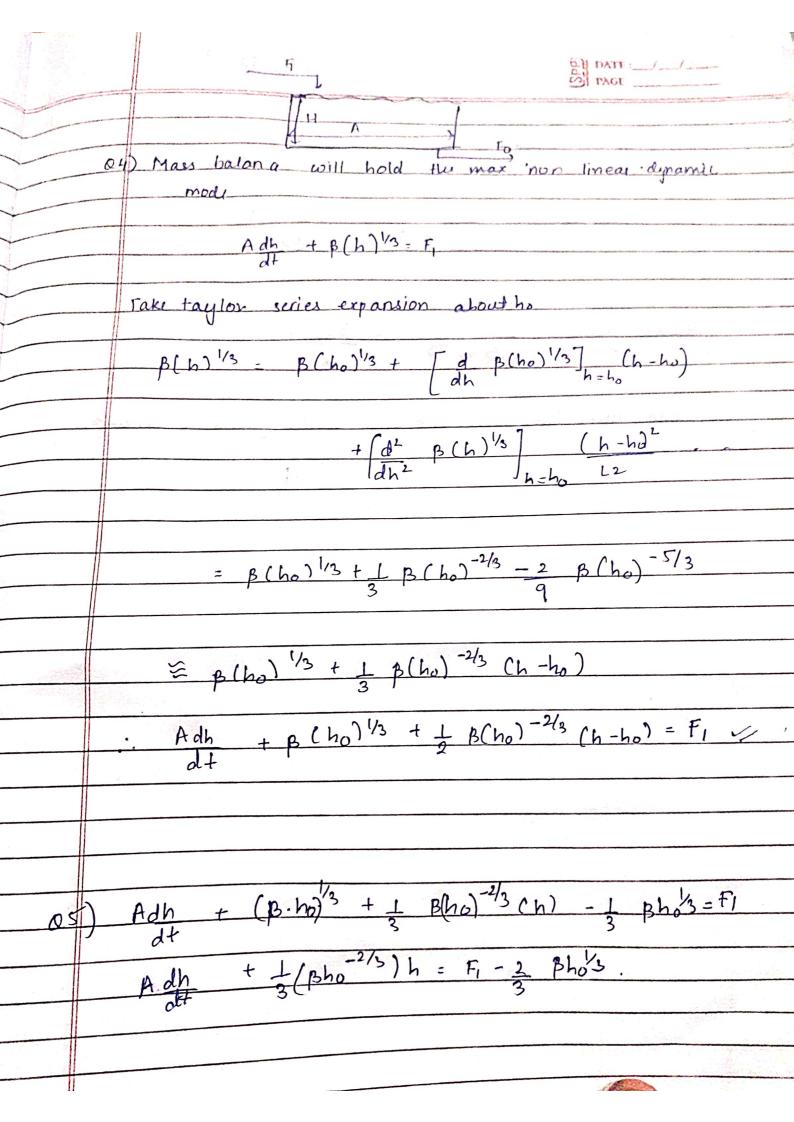
Az dha = Fy-Fa = dalha-ha)-Fo

[: tank! & tank? are non Interactive.

Q3) est DOF = Total number of independent variables

- number of equation

= 5-3



 $\frac{Rdv}{dt} + \chi = kf_2(t)$

Time constant $t = A = 3 A ho^{2/3}$ $(\frac{1}{3} \beta ho^{-2/3})$ βv

Static gain = 1 = 3 ho²/3

3 ho⁻²/3

B

.. For Thus time constant and static gains is variable.

10 10 10 10 10

Per (24/10 1 - 24)

Charles and a second and a second