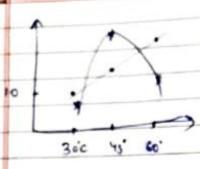




#



not laring miss are essent

Rondom Variable + Whatever we're measuring.

Primary Sandard.

9. 20

90 = randomi

90= m91+0 Value on the St-line

dr = 0 dr = 0

m = NE9:90 - E9:590 [NE912 - (E9:)2]

b = £90£912 - (£9190) (£91) / (£91)2-1 N = Total no. of data points.

For RV. we have to specify prob. distribution.

m = 12.3 S = 0.05. If we follow normal distribution, $\pm 3\sigma(997)$ $m = 12.3 \pm 0.15$.

Y = X + C E(Y) = E(X) + E(C) Expected value V(Y) = V(X) + V(C) > 0

 $3\frac{2}{m} = \frac{N(S_{90})^2}{N S_{9r}^2 - (S_{9i})^2}$

Sb2 = 1890)2 EQi NEqi - (Eqi)2

able.

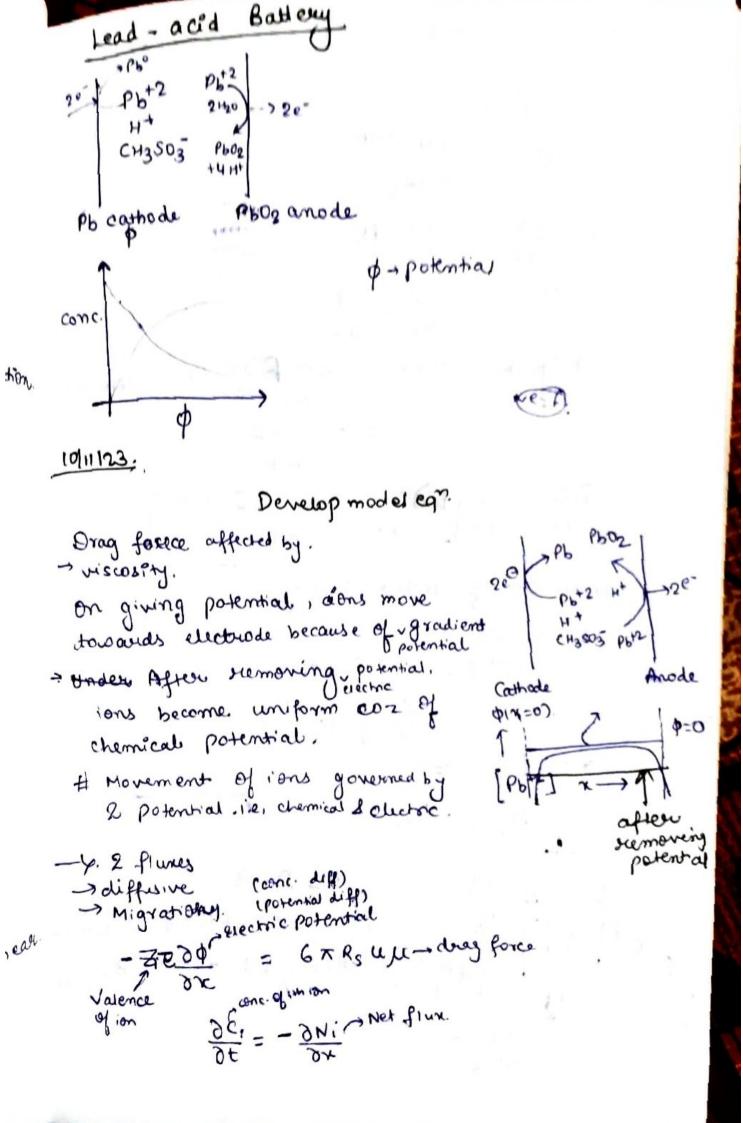
 $S_{90}^2 = \frac{1}{N-2} \sum \left[(mq.+b) - q_0 \right]^2$

۲						
				912 m, 5= ?	9,90.	Res.
١	068	9i	90		0.722	-0.90
	•	0-19	3-8	0.0361		1.85
			10.4	0.16	4.16	
	2	0.40	15-1	0.3949	9.513	2-34
	3	0.63		•	5.58	-2-91
	Ч	0.60	વ•ઝ	0.36	11.388	-0.90
	5	0.78	14-6	0.60		
	5		20-9	1.10	21.945	44.0
	6	1.05		3.02	54.462	-1.75
	7	7 1.34	31.3		52.974	1-24
		1-62	32.7	2.62		
	8		138-1	8-293	160.739	
		7.01	150 [

 $m = \frac{8 \times 160.739 - 7.01 \times 138.1}{8 \times 8.293} - (7.01)^2$

b = 138.1x 8-293 - 160.739 x 7-0] = 18.482 9/11/23. a = mai+b m= 18-28, Sm= 1-14 1-4034. b=1.24 Sb= 1.3137. m= 18-28 ± 4.2 b = 1.24 + 3-9 90=24.61 91=1.2781 ±.399 Sq: = Sq02 measure of Std. Deviation. 3 pread of qi m=slope. 390° = 390° = 0.13 Probability curve (plot) Culumati ve Z = normalised frequ Zan Random variable Norms inv => stretch y-axis so that plot look linear. Differential Algebraic Egn Flux = velocity x density.

1011123; Orag forece ruscosity. on giving towards e Under After ions become chemical # Movemer 2 Poten 4. 2 Plune Migratio



Different flux =
$$\frac{2}{10}$$
 $\frac{1}{10}$ $\frac{1$

Of is given (Z,f) also).

(Relative volatility is constant

state model Transient

Fransienti mass balance for this flash vessel & formulate close set of DAE.

At Steady state, DC: = 0. In et flux = constant.

(NE)