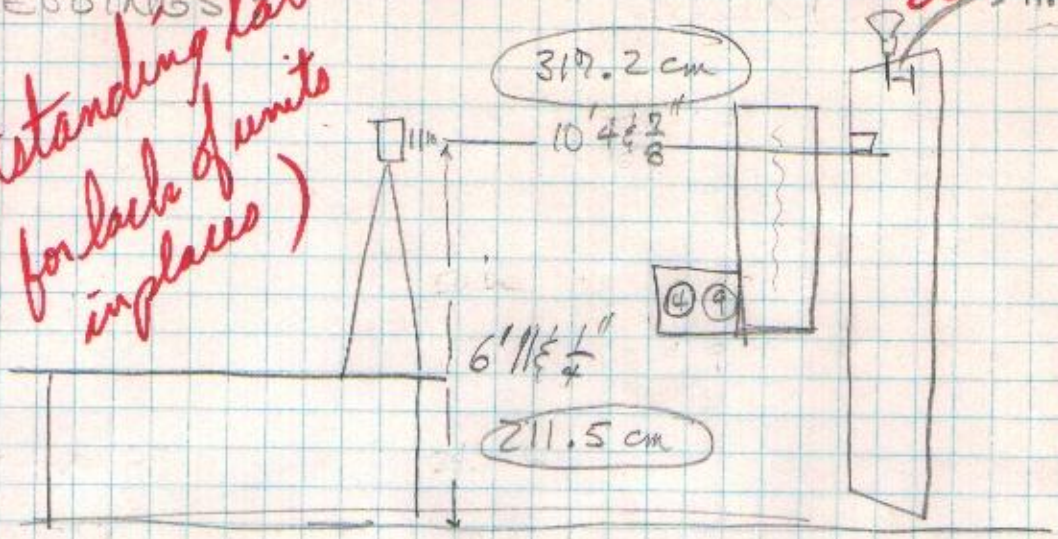
EXPERIMENT 2

FALL THROUGH VISCOUS MEDIUM

SETTINGS:

24/20

Outstanding lab (-1 for lack of units in places)



WEIGHT OF BALL: 0.120155, 0.120165 } AVG: 0.12016

7 mag u = 20 cms 1 mu = 2.857 cm

t_n	x_n	x_n mag u.
1	1.6	1.5
2	3.5	3.3
3	5.6	5.6
4	8.2	8.1
5	11	10.9
6	14.1	14
* 7	17.4	17.4
8	20.6	20.9
9	24.5	~~28.1~~
10	28.2	
11	32.3	
12	36.6	

17.4 + 3.5
+ 7.2
+ 11
+ 15.1
+ 19.4

$\Delta x_2 = 2.2$ mu $= 6.29$ cm
$\Delta x_1 = 0.8$ mu $= 2.29$ cm

$\Delta x_2 - \Delta x_1 = 4$ cm