Small bob

SY No	object	(m)	y m	0	4 =tane	M: 4/
01	Wooden Block	25.3 0.253m	13.9cm 0.139m	à4°	M = tan(24) = 0.4	0.89
02	Metallic sphere	25.3 0.253m	5.4cm 0.054m	,,°	Ws=tan(1) = 0.10	0.054
			Big B			
St No	obj	(m)	(m)) <i>J</i>	1:tano Us	= 7

SY	00]	(m)	(m)	Ð	M:tane	X = 2
01	Wooden Block	25.3cm 0.253m	13.9cm 0.139m	24°	tan(24) = 0.4	0.139 = 0.54m 0.253
02	Metallic Bob	as.3 0.253m	5.4cm 0.054m	1	tan(1) = 0.12	0.054 =0.12

LAB REPORT # 03

	Title:
	litle:- Static friction.
	Experiments-
	Find the coefficient of
	Experiments- Find the coefficient of static friction of a moving body on an inclined art.
	on an inclined art.
	Objective 2-
	The objective of this
	expesiment is to find Occepticient
	of static priction and than Ms= 1/x
	Objective: The objective of this experiment is to find Dooetticient of static priction and than Us= 1/x Apparatus:
	Metallic Sphere.
	Wooden Block.
	Inclined Plane
	Magnetic Board
	Méter Stick.
	Procedure :-
	Place the incline plane on magnetic
	board-
	'Make sure the degree on plane is 0
	Measure the value of x in meters.
	Make sure the degree on plane is 0° Make sure the value of x in meters. Place the wooden box on the inclined
	plane and steel maring the plane up-
	plane and start moving the plane up-
	word.
al production	Mark the point where the wooden box

5.

Average of wooden Ball:-

Average =
$$\frac{R_1 + R_2}{2}$$

= 0.549+0.549

Average = 0.549 m

Average of Metallic sphere:

Average =
$$\frac{R_1 + R_2}{2}$$

= $\frac{0.12 + 0.12}{1}$

Average = 0.12

started moving. Then measure the length of y from X to the moving point of worden box. Also note the angle where the box started to move 7. Then find the coefficient of static priction and take two readings of 8. wooden-9. Repeat the same steps for metallic sphere. At the end calculate the average of both wooden box and matallic sphere. Conclusion :-Ihe wooden box started moving a high angle, due to its rough surface. The metallic sphere started moving on very low angle, due to its plat ar polish surface.