## UM-SJTU JOINT INSTITUTE PHYSICS LABORATORY DATA SHEET (EXERCISE 2)

Name: THE SEE

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Groupe 18

Date 21/2, 7, 26

NOTICE. Please remember to show the data short to your instructor before learning the laboratory. The data short sell not be accepted if the data are necessical with a pencil or modified with a connection fluid/logs. If a ministake in made recording a further them, cannot the viring value by durating a fine line through it, record the notions value logistic, and ask your instructor to constitute the convection. Please remember to take a record of the precision of the instruments used. You are required to hand in the original data with your lab required, so phease keep the data start property.

	dist	ance r	CHH	±_96_	Cam	
$Z_{A,1}$	21.700	$x_{\mathrm{B,1}}$		645	$ S_1 $	12.075
£A.E	21.700	28.2	9.	675	S2	12.045
24,3	21.70	28.3		65	$S_3$	12.05

Table 1. Distance measurement data.

tin	ne t S ± 0,01 5
$t_1$	458
t <sub>2</sub>	4.54
$t_3$	4.55
14	4.60
fs.	4.52
26	4.48

Table 2. Time measurement data.

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	diameter d men	1 ± 0	as min
$d_1$	11999 2,000	do	49992,000
$d_2$	1996 1.995	$d_T$	1.896 1.595
do	H94 1.785	da	4.498 2.000
da	HPF 2,000	do	1497 1995
ds	4999-2,000	$d_{10}$	H998-2,000

Table 3. Measurement data for the diameters of the balls.

	neter D mm	± 0,02	PHIME
$D_1$	41.58		
$D_2$	61.68		
$D_3$	61.54		
$D_4$	61.64		
$D_3$	61.62		
$D_0$	61.60		

Table 4. Measurement data for the inner diameter of the flask.

6	density of the castor oil p. [462] ± 6.60 [360]
Г	mass of 40 metal balls m [ a ] ± 6.6=1 [ 4 ]
	1.314
1	temperature in the lab T 2 ± al 2
	27.8
	acceleration due to gravity in the lab g 9.31 m/s

Table 5. Values of other physical quantities.

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