## UM-SJTU JOINT INSTITUTE PHYSICS LABORATORY DATA SHEET (EXERCISE 1)

Name: Han Yibei

Student ID: 519370910 123

Group: 1]

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NOTICE. Please remember to show the data sheet to your instructor before leaving the laboratory. The data sheet will not be accepted if the data are recorded with a pencil or modified with a correction fluid/tape. If a mistake is made in recording a datum item, cancel the wrong value by drawing a fine line through it, record the correct value legibly, and ask your instructor to confirm the correction. 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 report, so please keep the data sheet properly.

	mass [a	] ± <u>0.l</u> [	9]
m	54.5	·	J
$m_d$	488.5	$m_c+m_d$	887-6
$m_A$	165.8	$m_B$	165-8

Table 1: Mass Measurement Data.

		len	gth [ <u>mm]</u> ± <u>c</u>	0.02 mya		
	1	2	3	4	5	6
$D_{c,i}$	209.98	29.96	208	269.98	<del>2(0,00</del> <del>200</del> ∓0	259.94
$D_{c,o}$	239.92	22 0 14 240.04	23 - 86	237.90	239.98	239.96
$D_d$	239.84	239.86.	239.90	239.82	239.86	237.88
$D_A$	79.97	<b>21.98</b>	00.66 <del>00.8</del> 6		29.96	<del>}}.03</del> €0.0≥
$D_B$	38-07-30.05	59.98	78 0430 at	29.98	J 50. 7€	28-02 30.52
R	50.4050.10	20.18	40.16	<del>ऽञ्डेह</del> रू।	8 For Hy to.	4 50.42
$d_i$	₽ <b>.9</b> 8	ผี.ใo	69.98	67.94	69.96	69.94
$d_o$	F9-9-90.10	80.06	80.10	80.16	80-12	80-14

Table 2: Length Measurement Data.

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	time $[S] \pm 0.000[S]$		time $[\S] \pm \underline{\hspace{0.1cm}} [\S]$
1	o. 6385	9	6.0112
2	1.2839	10	6.7191
3	1.9364	11	7.4356
4	2.5961	12	8.(610
5	3_2634	13	4298.8
6	3.9382	14	9.6394
7	4.6209	15	10.3929
8	5.3116	16	11-1564

Table 3: Time Measurement Data (Empty Platform without Weight).

	time [S] ± 0.000[S]
1	0.9671
2	1.6433
3	2.1959
4	2.(15)
5	3.1046
6	3.4973
7	ર.&િમ
8	4.2024

Table 4: Time Measurement Data (Empty Platform with Weight).

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	time $[9] \pm 0.000[.3]$		time [s] ± 0.000[S]
1	0.5390	9	4.7974
2	1.0486	10	5-343)
3	1.576]	11	5.8914
4	2.(0] }	12	6.4423
5	2.6402	13	4.9969
6	3.1758	14	7.5523
7	3.7138	15	8-1113
8	4.2543	16	8.6732

Table 5: Time Measurement Data (Platform with Cirque but without Weight).

	time [ <u>s</u> ] ± <u>0.000</u> [ <u>s</u> ]
1	1.1159
2	1.9178
3	2.5780
4	3.1534
5	3. 6698
6	4,1428
7	4.6816
8	4.9930

Table 6: Time Measurement Data (Platform with Cirque and with Weight).

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	time $[S] \pm_{0.000} [S]$		time $[\underline{s}] \pm \underline{b.000}[\underline{s}]$
1	0.5614	9	5.1749
2	1.1260	10	s नाम b
3	1.6940	11	6-3643
4	2-265}	12	6-9646
5	2.840>	13	7.5688
6	3.4184	14	ห.เ <b>ไ</b> ย์ใ
7	4.001}	15	8.7891
8	4.5857	16	9.4052

Table 7: Time Measurement Data (Platform with Disk but without Weight).

	time [ <u>5</u> ] ± <u>0.500 [ 8</u> ]
1	1.1050
2	1.8720
3	2.4969
4	3.0385
5	2 6730
6	3.9659
7	43761
8	4.7603

Table 8: Time Measurement Data (Platform with Disk and with Weight).

		time [ <u>S</u> ] ± <u>0.000</u> [S]		time [ <u>s</u> ] ± <u>0.000 [3</u> ]
	1	0.5846	9	ς .ψ <b>2</b> \$ኤ
	2	1.1735	10	6.0523
	3	154[.1	11	6. 6844
	4	2.3650	12	7.3214
	5	2.9676	13	7.9639
à	6	3.5748	14	17113.8
	7	4.1869	15	P.265\
	8	4.8037	16	9.9240

Table 9: Time Measurement Data (Platform with Cylinders but without Weight).

	time [3] ± 2000 [S]
1	0.8543
2	1.4973
3	2.0360
4	25095
5	2.9312
6	२.३३०५
7	3.6966
8	4.04.06

Table 10: Time Measurement Data (Platform with Cylinders and with Weight).

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