UM-SJTU Joint Institute
Physics Laboratory
Data Sheet (Exercise 2)

Name: _____ Student ID: _____

Group: _____ Date: _____

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.

---

distance S [ ] $\pm$ _____ [_____]	
S_1	
S_2	
S_3	

Table 1. Distance measurement data.

time t [_____] $\pm$ _____ [_____]	
t_1	
t_2	
t_3	
t_4	
t_5	
t_6	

Table 2. Time measurement data.

Instructor's signature: _____

diameter d [_____] ± _____ [_____]			
d_1		d_6	
d_2		d_7	
d_3		d_8	
d_4		d_9	
d_5		d_{10}	

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

diameter D [ ] ± _____ [_____]	
D_1	
D_2	
D_3	
D_4	
D_5	
D_6	

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

density of the castor oil ρ_1 [_____] ± _____ [_____]
mass of 40 metal balls m [_____] ± _____ [_____]
temperature in the lab T [_____] ± _____ [_____]
acceleration due to gravity in the lab g [_____]

Table 5. Values of other physical quantities.

Instructor's signature: _____