

Raw Data Sheet

Student Name: Michael Liebel

Team members:

1.- _____ 2.- _____
3.- _____ 4.- _____Instructor: Michael Liebel

Orbiting Puck

Follow the instructions on page 55 of the lab manual and collect the following information below.

1. Mass of the puck: 556 g
2. Spark frequency: 20 Hz
3. Record the semi-major (r_{\max}) and the semi-minor (r_{\min}) axes.

 r_{\max} : 29.25 cm r_{\min} : 12.0 cm

4. Record the distance between the two adjacent dots at r_{\max} and r_{\min} .

At r_{\max} : 1.1 cm At r_{\min} : 2.0 cm

Changing of Moment of Inertia

Follow the instructions on page 56 in the manual and record your observations.

Slowed down after extending my arms

Spinning Bicycle Wheel

1. Describe what happens after you re-orient the wheel in step 4.

Rotated left

2. Describe what happens after you re-orient the wheel in step 6.

Rotated right

3. Describe what happens after you re-orient the wheel in step 9.

Rotated left

4. Describe what happens after you re-orient the wheel in step 10.

Rotated left

9.5

5. Describe what happens ^{re-orient} after you stop the wheel in step 11.

Rotated left (faster)

- ~~6.~~ Describe what happens after you re-orient the wheel in ~~step 12.~~

No step 13

Mathal ...
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