

Raw Data Sheet

Student Name: Michael Liebel

Team members:

1.- _____ 2.- _____

3.- _____ 4.- _____

Instructor: Michael Liebel

Following the guidance from your instructor, perform the required tasks and record your observations.

Don't forget there are 4 stripes on the disk!
(Divide stripe freq. by 4 for freq.)

Table 1.- Disk

Disk Mass (kg)	Hub Diameter (units)	Disk Diameter (units)
$M = 1.73 \text{ kg}$	$D_{\text{hub}} = 5.845 \text{ cm}$	$D = 25.4 \text{ cm}$

Table 2.- Stripe Frequency

Hanging Mass (units)	Trial 1	Trial 2	Trial 3	Average
$m_1 = 50\text{g}$	289	289	290	289.33
$m_2 = 100\text{g}$	408	409	410	409
$m_3 = 150\text{g}$	499	498	500	499
$m_4 = 200\text{g}$	576	580	577	577.67
$m_5 = 250\text{g}$	643	643	641	642.33
$m_6 = 300\text{g}$	704	703	704	703.67
$m_7 = 350\text{g}$	764	760	760	761.33
$m_8 = 400\text{g}$	810	808	808	808.67
$m_9 = \text{---}$				
$m_{10} = \text{---}$				