

Physics 223
General Physics Lab
Moment of Inertia

LAB REPORT SPECIFICS

Sample Results

I_o	I_{new} (Calculated)	I_{new} (Measured)	% Difference in I_{new} (Calc vs. Meas.)

Theoretical Analysis

Clearly step through all of the mathematics needed to determine the three Moment of Inertia values in your results. Be sure to include free body diagrams when necessary.

Data Plots/Charts

- 1) Plot $\sum \tau$ vs. α to determine I_o
- 2) Plot $\sum \tau$ vs. α to determine I_{new} (Measured)

Post Lab Questions

See the end of the worksheet.

SEE THE “LAB REPORT FORMAT” ON THE COURSE WEBSITE FOR GENERAL FORMATTING/LAB REPORT WRITING GUIDELINES.