

Physics 12
M. Lam

Equilibrium Lab

Name:

Partner:

Block:

Objective

Determine the relationship between clockwise and counterclockwise torque for a beam in static equilibrium

Equipment

meter stick
meter stick clamps

ring stand
hooked weights

electronic balance

Apparatus

Draw and label a diagram of your apparatus.

Experimental Method

Describe how your data is collected. Include any steps necessary to reduce experimental uncertainty.

Data

Record all measurements. If appropriate, organize your data in a table.

Analysis and Discussion

Use the data to determine the relationship between clockwise and counterclockwise torque.

Questions to consider:

1. What should be graphed to determine the relationship?
2. What would the theoretical slope of that graph be?

Conclusion

State the relationship between clockwise and counterclockwise torque for a beam in static equilibrium.