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Class: PHYS 2211L - G02

Lab: **2** “Momentum”

Grade:\_\_\_\_\_\_

**1) Objective:** To create separate graphs showing the correlation between velocity, momentum, and thrown blocks

**2) Theory:** Using formulas learned in lecture, students should be able to use given information and complete the problems.

**3) Procedure:**

* Using formulas listed below, find velocity and momentum after several blocks are thrown. Use the simulation provided to confirm numbers found by student.

**4) Data:** Formulas used in this lab

* P = m \* v
* Vsled= (Vblock/ Msled+blocks ) + Vprevious

**5) Calculations:** (attached in Excel columns)

**6) Results:** (see attached pdf pictures)

**7) Comments:** JPEG files show the numbers found before running simulation. Files also show the formula used to determine most numbers found. 22 separate calculations were not performed.