

AP Physics: Ballistic Pendulum Lab

Purpose

Find the velocity of a steel ball before it impacts a ballistic pendulum by measuring the height to which the pendulum rises after the collision. Compute the percentage of mechanical energy that was converted to thermal energy during the collision.

Report

Each student in will produce a report and all reports for one group will be stapled together and handed in for a common grade.

- Title
- Author, partners, date
- Purpose
- Sketch of the apparatus with variables and measurements defined
- Measurements
- Calculations
- Conclusion