

AP Physics: Kinematics

Lab: Meeting Point

Final Write-Up

Data:

- Use meter sticks to line the path
- Use electrical tape to mark the theoretical meeting point
- Have one person take a video from above
- Other members of the group, try to visually see the meeting point – record this point
- Run at least three trials

Error Analysis:

- Calculate the percent error for all three trials comparing your theoretical value to your experimental values
- Average these three for a total percent error.
- Comment on what could have contributed to error. Seriously consider what went wrong if you have a total percent error over 10%.
- What could be done to avoid these errors?

Analysis:

- Any trends with your results? Consistently correct? Consistently ahead or behind your theoretical point?
- What might have been wrong with your procedure?
- What factors are not being accounted for?

Conclusion:

- So, how accurate were you?
- What could this calculation be used for in the real world?