



01. Coin in a balloon

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Reporter - Pros & Cons

1. Theoretical graphs
2. Included error bars and graphs

1. Irrelevant theory about young's modulus/standing waves etc
2. Unclear use of all the theory in the experiment
3. Spinning of the balloon done by hand which means that the spinning is inconsistent
4. Lacked parameters
5. No pictures of the experiment
6. Material of the coin was not mentioned
7. Was not clear when theory slides stopped and when experiment slides started
8. Had a difficulty in answering questions of the opponent.
9. Did not include possible errors

Opponent - Pros & Cons

1. Asked about the coin edges
2. Mentioned the sliding of the coin in the balloon which was misunderstood

1. Did not mention the coin material parameter
2. Did not mention environmental conditions
3. Had a hard time explaining the questions to the reporter
4. Missed the inconsistent spinning parameter

Points Discussed

OPPONENT

1. Asked how did they make sure the contact was constant
2. Asked how was the coin velocity constant
3. How did they ensure that there wasn't any stretching in the plane of the direction that the coin was moving in

REPORTER

1. Reporter answered that the contact was constant because there was high friction
2. Answered that the result would change but the velocity was constant
3. Answered that there was not any change

REVIEWER OPINION/EXPLANATION

1. We agree with the opponent the constant friction could not be secured
2. We agree with the opponent because it was not clear how the velocity remained constant
3. We partially agree with the opponent because even though young's modulus was calculated there could not have been security that there weren't any changes

Points Missed

1. Not standard frequency
2. Material of the coin
3. Which force makes the coin spin
4. Sound analysing in both dB and Hz

Suggestions for further improvement

REPORTER

1. investigate the material of the coin
2. Investigate on making the spinning more consistent
3. Present your experimental procedure and method with explanation and pictures

OPPONENT

1. Investigate on some points missed like the coin material or the spinning of the balloon

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Thank You!

Myrto Terpsiadou