

Experiment Title

Student Name - Group Name

Experiment Date

1 Objective(s):

Write the objective(s) of the experiment. Writing what you understood instead of copying from the sheet is highly encouraged.

2 Principle(s):

Write the principle(s) of the experiment. This generally describes the experiment, a short description of what you did and what you observed will suffice.

3 Precautions(s):

- List the precautions you had to consider in this experiment.
- Mention any alterations you personally introduced to the equipment in the experiment.

4 Data:

Insert the table(s) of collected data. Write down *all* the data you collected.

5 Data Analysis:

- Comment on and compare all the data you collected by describing the behaviour and nature of the data.
- Relate the data you collected to the principles explored in the experiment, mentioning whether they fit the principles or not.
- Make sure to point out any anomalies and to mention all the notes you took during the experiment.
- If any anomalies arise, attempt to explain them, utilising the collected data and notes as part of your explanation.
- Explain all the calculations you did in the table(s).

6 Plots:

- Plot the data you obtained based on the instructions provided in your sheets.
- Write a brief comment regarding the behaviour of your plot and whether it corresponds to the principle or not.
- Find the slopes/intercepts/maxima/minima as instructed in your sheets.

7 Evaluation:

- Evaluate the data you collected using the appropriate physical laws.
- If you exclude any data from your calculations, mention why you chose to do so.
- If you had to derive any quantities, explain the derivation here.
- Mention exactly how you calculated data, explaining all of your calculations.

8 Result(s):

- Tabulate the results you obtained.
- Calculate any required error percentages.
- Write a brief verbal comment on the results you obtained.
- Compare your results to literature values.