Lab Report Instructions

Reports should be approximately two pages in length, excluding references. Always use “passive voice” when writing lab reports. Never use first-person tense.

The bulleted list below describes the sections required in **all** lab reports. Page 2 of this document provides some further information regarding layout, structure and labeling of lab reports. Page 3 shows the rubric utilized in the grading of submitted reports.

The sections that are expected but not limited are:

* Abstract/Synopsis
* Introduction/Statement of Problem
  + Theory
* Method/Application
  + Designs
  + Build pictures
* Results/Findings
  + Data tables
  + Analysis of data
  + Error Analysis (as needed)
* Appendices
  + Cost analysis / Comparison
  + Parts list (include links)
  + Datasheets (include links)
* References

Thermocouple Lab Report

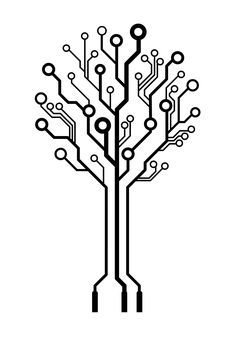
Thermocouple Lab

by

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The Abstract consists of a brief understanding of the laboratory and the results that occurred. Any major deviations from the normal should also be briefly mentioned in this section.

The Introduction restates the laboratory directives and expected results. It should be well written, concise and include all pertinent theories involved in said laboratory. The report should be approximately 2 pages long excluding appendices.

The body of the paper should describe the methods of the laboratory. It needs to include the devices used including:

* NI modules, model #s
* NI software version
* …etc.

Pictures need to be labeled (see figure 1.) The image does not have to be separated from the text top and bottom. It can exist anywhere on the page where it is relevant to the information.

Results

Sections can have labels as long as there is a consistent usage throughout the report. (e.g. This example is not consistent, otherwise the introduction and methods section would also have labels.)

Fig. 1: Branching of Circuits

**Lab Report Grading Rubric:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Assessment Rubric | | | | | |
|  | Pts | Does Not Meet Any Expectation (0 Points) | Does Not Meet Expectations (1 Point) | Meets Expectations (2 points) | Exceeds Expectations  (3 Points) |
| Criterion 1: Abstract/Synopsis - Clear and concise | 0 |  |  |  |  |
| Criterion 2: Introduction/Statement of Problem - Sufficient detail | 0 |  |  |  |  |
| Criterion 3: Method/Application - Each paragraph organized with good detail | 0 |  |  |  |  |
| Criterion 4: Results/Findings - Accurate discussion of results | 0 |  |  |  |  |
| Criterion 5: References - included as assigned | 0 |  |  |  |  |
| Criterion 6: Report written in passive voice | 0 |  |  |  |  |
| Criterion 7: Proper length as assigned | 0 |  |  |  |  |