An Appropriate Title for the Report

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Abstract

The summary/abstract is perhaps the most important part of a report. Here you should catch the attention of the reader. Bring up the problem you want to solve and briefly summarize your results.

1 Introduction

Always include a brief introduction to the problems. Specify at an early stage what problem you intend to solve, i.e. define the problem. It is a good idea to bring up different practical applications.

Introduce the data models that are used and describe clearly all the necessary assumptions. This is crucial, since otherwise the reader will probably not be able to follow the rest of the report.

2 Theory

Often you need to present some theoretical results.

If you include equations, it is convenient to be able to reference them by number, as in Equation (1).

$$y(t) = h(t) * x(t) \tag{1}$$

3 Numerical Results

It is common to include numerical examples to illustrate the theoretical results (from Section 2).

A figure is often more informative than text or tables, but make sure to only include relevant figures and to describe and reference them from the text, see for example Figure 1.

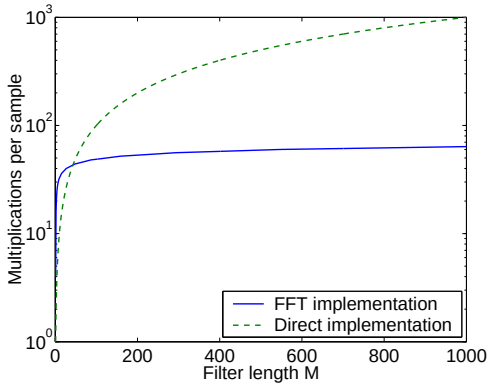

Figure 1: Always specify the unit of the axes.

4 Conclusions

Summarize and draw some sensible conclusions. Some hints:

- Do not just list questions from the project instructions with the corresponding answers. Instead, try to include the results in running text.
- Preferably, it should be possible to reproduce your results based on the information in the report, without having access to the project instructions.

Appendix

In an appendix, you could add details that are not necessary to follow the main ideas of the report, but still could be of interest to some readers, such as detailed proofs. Do not include MATLAB code, though.

This report is typeset using LaTeX 2_ε. A good introduction to LaTeX 2_ε is available in [1]. Feel free to use any other word processor if you prefer.

References

[1] Tobias Oetiker et al. *The Not So Short Introduction to LaTeX 2_ε* `www.tex.ac.uk/tex-archive/info/lshort/english/lshort.pdf`.