

University of Waterloo
Faculty of Engineering

Design of a Latex WTR Following the SYDE Guide

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January 12, 1867

YOUR RETURN ADDRESS HERE

January 12, 1867
Dr. Paul Fieguth, Professor and Department Chair
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Dear Professor Fieguth,

I have prepared this report, “Design of a Latex WTR Following the SYDE Guide” as my 3B Work Report for the Engineering team at Gandalf Technologies. This report is the FIRST SECOND FINAL of three that I must submit as part of my degree requirements, and it has not received any previous academic credit. This report was entirely written by me and has not received any previous academic credit at this or any other institution.

FILL ME IN Write some stuff about the company briefly, name your manager, etc.

The purpose of this report is to ... FILL ME IN. Write a one or two sentence, VERY BRIEF overview of the report.

Sincerely,

A handwritten signature in black ink that reads "Erik". The letter "E" is large and stylized, with a long horizontal stroke that extends to the right and then loops back under the "r". The "i" is small and simple.

Erik Derohanian

12345678

3B Systems Design Engineering

Abstract

This is a L^AT_EX style that aims to match the uWaterloo SYDE style guide because doing work term report formatting makes me want to ahkerfg kasjrgu dfhgukia rgfzjkxfh aeguxdfgzxyu auisdrjgfh ifawuiegf isdurgfia uewrzcjbn zkjd-fcvmba weukirydfui erjk t zxcg awr sdfh stry sdfh yukstrh f nynyuijkjef acse fcvdt ukyivegt hac ertse rgc.

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1

First section

Your text goes here. I'm going to add a bunch of words to make this a paragraph longer than one line.

The next paragraph is automatically indented, as per the guide (default L^AT_EX behaviour)

1.1 A subsection

More text.

A sub-subsection

Yep, it's actually a `\subsubsection{sub-subsection name}`.

2

Some Tables and Figures

Here is a figure:

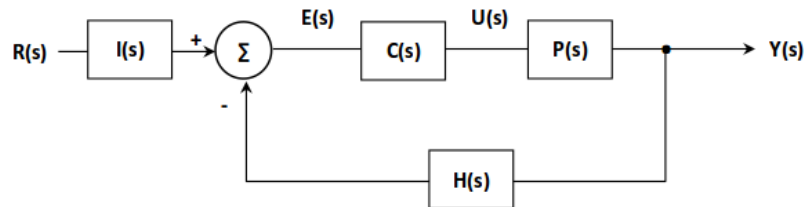


Figure 1: System diagram of a P controller

I can start talking about that figure, and refer to it as figure 1 and the number will update based on the label which is very useful when you're shuffling stuff around because you don't have to keep track of figure numbers.

We can also do tables, like so

Table 1: Some table I copied from the Latex wikibook online

Day	Min Temp	Max Temp	Summary
Monday	11C	22C	A clear day.
Tuesday	9C	19C	Cloudy with rain.
Wednesday	10C	21C	Rain.

Like the previous figure, we can refer to this table as table 1.

Here is a kitten:



Figure 2: It's a kitten. You like kittens.

3

Equations

Here is the transfer function to the control system shown in figure 1:

$$T(s) = \frac{Y(s)}{R(s)} = I(s) \cdot \frac{K_p \cdot P(s)}{1 + K_p \cdot P(s) \cdot H(s)} \quad (1)$$

As usual, we can use it's number. That was formula (1)

4

Citations

Three items are cited: *The L^AT_EX Companion* book [1], the Einstein journal paper [2], and the Donald Knuth's website [3]. The L^AT_EX related items are [1, 3].

Appendix A

Glossary

word: some def

word2: some other def

References

- [1] Michel Goossens, Frank Mittelbach, and Alexander Samarin. *The L^AT_EX Companion*. Addison-Wesley, Reading, Massachusetts, 1993.
- [2] Albert Einstein. Zur Elektrodynamik bewegter Körper. (German) [On the electrodynamics of moving bodies]. *Annalen der Physik*, 322(10):891–921, 1905.
- [3] Donald Knuth. Knuth: Computers and typesetting.
<http://web.archive.org/web/20080207010024/>.