

University of Waterloo  
Faculty of Engineering

# Design of a Latex WTR Following the SYDE Guide

Gandalf Technologies  
130 Colonnade Road  
Nepean, ON K2E 1B6

Erik Derohanian

ID 12345678

3A Department of Systems Design Engineering

January 12, 1978

YOUR RETURN ADDRESS HERE

September 32, 1984

Dr. FILL ME IN, Professor and Chair,  
Department of Systems Design Engineering, University of Waterloo  
Waterloo, Ontario, Canada  
N2L 3G1

Dear Prof. FILL ME IN,

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 cursive script that reads "Erik".

Erik Derohanian  
12345678  
3B Systems Design Engineering

## Abstract

This is a L<sup>A</sup>T<sub>E</sub>X 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.

# Contents

Table of Contents	iii
List of Figures	iv
List of Tables	v
<b>1 First section</b>	<b>1</b>
1.1 A subsection . . . . .	1
A sub-subsection . . . . .	1
<b>2 Some Tables and Figures</b>	<b>2</b>
<b>3 Equations</b>	<b>4</b>
<b>4 Citations</b>	<b>5</b>
<b>Appendices</b>	<b>6</b>
<b>A Glossary</b>	<b>6</b>

# List of Figures

1	System diagram of a P controller . . . . .	2
2	It's a kitten. You like kittens. . . . .	3

# List of Tables

1	Some table I copied from the Latex wikibook online . . . . .	2
---	--	---

# 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<sup>A</sup>T<sub>E</sub>X behaviour)

### 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:

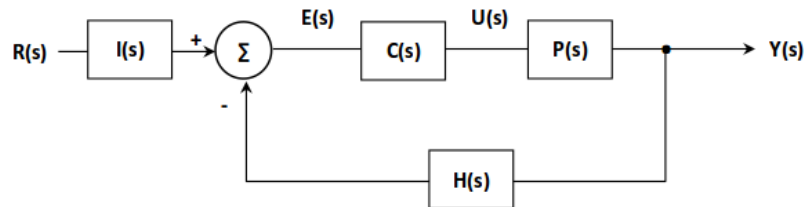


Figure 1: System diagram of a P controller

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<sup>A</sup>T<sub>E</sub>X Companion* book [1], the Einstein journal paper [2], and the Donald Knuth's website [3]. The L<sup>A</sup>T<sub>E</sub>X 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<sup>A</sup>T<sub>E</sub>X 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.