University of Waterloo
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Design of a Latex WTR Following the SYDE Guide

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Dear prof person,

Pretend this page is a letter of submittal.

Erik Derohanian

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Abstract

This is a LaTeX 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 zkjdfcvmba weukirydfui erjk t zxcg awr sdfh stry sdfh yukstrh f nynyuikjef acse fcvdt ukyivegt hac erctse rgc.

Contents

List of Figures

List of Tables

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 LaTeX 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:

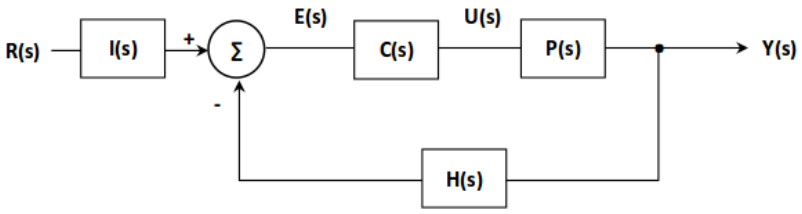

Figure 1: System diagram of a P controller

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

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

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

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:

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

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

4

Citations

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