

**Name of Organization**

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NAME OF GROUP/DIVISION

# **Title of the Report: Some Details about the Report**

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WHAT IS THIS REPORT FOR?

It is for ...  
and BLAH ...

June 5, 2014

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## **Abstract**

Insert abstract here.

More stuff to be included.

# Revision History

## Revision History:

1. Version 0.1, June 1, 2014. Initial copy of the report.
2. Version 0.2, June 4, 2014. Added chapter on typesetting algorithms.
3. Version 0.3, June 4, 2014. Added chapter on typesetting text, inserting figures and tables, added a subdirectory for pictures of the report, and begun a section on typesetting mathematical symbols, expressions, and equations.
4. Version 0.4, June 4, 2014. Added introductory paragraph on typesetting in  $\text{\LaTeX}$ , and referencing and citations.
5. Version 0.5, June 5, 2014. Completed section on using color in  $\text{\LaTeX}$ . In addition, I have completed another section on symbols representing  $\text{\LaTeX}$  and related computer languages/technologies/concepts.
6. Version 0.6, June ???, 2014.

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# Chapter 1

## Text

There are a significant amount of references for helping people to learn L<sup>A</sup>T<sub>E</sub>X [1–29] and related information/technologies.

In this chapter, I will provide some templates for referencing, templates for BIB<sub>T</sub>E<sub>X</sub> entries, indicate some common L<sup>A</sup>T<sub>E</sub>X symbols, usage of colors in L<sup>A</sup>T<sub>E</sub>X, and miscellaneous details.

### 1.1 Referencing Information

Here is how I can reference common resources:

1. For online resources:
  - (a) Author, “Title of web page,” in *Title of Primary Web Site*, Name of Publisher/Organization/Individual, Address, Month Date, Year. Available online at: <http://www.webpage.url/>; last accessed on June 2, 2014.
  - (b) Regarding entries for my BIB<sub>T</sub>E<sub>X</sub> database, insert the following to the “howpublished” field: Available online at: <http://www.webpage.url/>; June 11, 2012 was the last accessed date.
2. DOI field in BIB<sub>T</sub>E<sub>X</sub> should be indicated as a URL: <http://dx.doi.org/DOI>.
3. To enter a summary of a paper that I have written into a report, enter it as a section (or subsection or subsubsection) with the following “fields”:
  - (a) In the title of the section, indicate the title of the paper and its abbreviation (i.e., its BIB<sub>T</sub>E<sub>X</sub> key).
  - (b) Terse summary: Summary of the paper in 2-3 lines.
  - (c) Not-so-concise summary and highlights. Summarize the publication in  $\leq 2$  pages. For publications that are not survey papers nor literature review, highlight the advantages and disadvantages of the described techniques/innovations. For survey papers nor literature review publications, summarize the primary publications that was mentioned in the survey/review.
  - (d) Other notes about the publication: Insert important figures and equations, among other details about the paper.
4. *BibDesk* only creates a folder for publications with non-empty author fields. Hence, when entering a BIB<sub>T</sub>E<sub>X</sub> into my BIB<sub>T</sub>E<sub>X</sub> database, enter the names of the editors into the **author** field. When citing the publication, use a script to shift the content of the **author** field into the **editor** field. When citing from this entry, shift the names of the authors from the author field to the editor field.

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## 1.2 Writing L<sup>A</sup>T<sub>E</sub>X Symbols

Symbols used to represent L<sup>A</sup>T<sub>E</sub>X and related computer languages/technologies and concepts are:

1. L<sup>A</sup>T<sub>E</sub>X
2. L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>
3. B<sub>I</sub>B<sub>T</sub>E<sub>X</sub> (or B<sub>I</sub>B<sub>T</sub>E<sub>X</sub>)
4. M<sub>E</sub>T<sub>A</sub>P<sub>O</sub>S<sub>T</sub>
5. M<sub>E</sub>T<sub>A</sub>F<sub>O</sub>N<sub>T</sub>
6. <sup>TM</sup>
7. ®
8. ©
9. ©

## 1.3 Coloring in L<sup>A</sup>T<sub>E</sub>X

Things that I can do with colors in L<sup>A</sup>T<sub>E</sub>X:

1. To change the color of the text:
  - (a) **TEXT**
  - (b) INSERT\_STUFF\_HERE
  - (c) **INSERT\_STUFF\_HERE**
2. **INSERT\_STUFF\_HERE**
3. Common colors that I tend to use in L<sup>A</sup>T<sub>E</sub>X:
  - (a) Apricot
  - (b) blue
  - (c) cyan
  - (d) ForestGreen
  - (e) green
  - (f) magenta

- (g) RoyalBlue
- (h) RubineRed
- (i) yellow
- (j) YellowOrange

# Chapter 2

## Mathematics



# Chapter 3

## Tables

A template for inserting tables is shown in Table [3.1](#).

Table 3.1: My caption for my table

Level	Use	Features	Abstraction
Level	Use	Features	Abstraction
Level	Use	Features	Abstraction

# Chapter 4

## Figures

A template for inserting figures is shown in Figures 4.1, 4.2, 4.3, and 4.5. Also, a TikZ figure is shown in Figure 4.4.

I have used the `\clearpage` command to clear the remanding part of the first page for this section (§4), and insert the remaining figures and text in subsequent pages. If the last three figures (Figures 4.3, 4.4, and 4.5) are reordered to the following order, Figures 4.5, 4.4, and 4.3, the effects of the `\clearpage` command would be more evident.

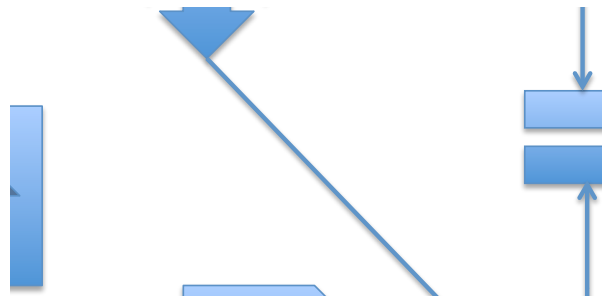


Figure 4.1: Caption for my figure1

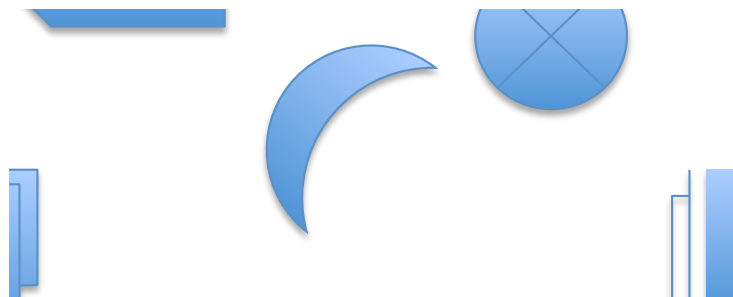


Figure 4.2: Caption for my figure2

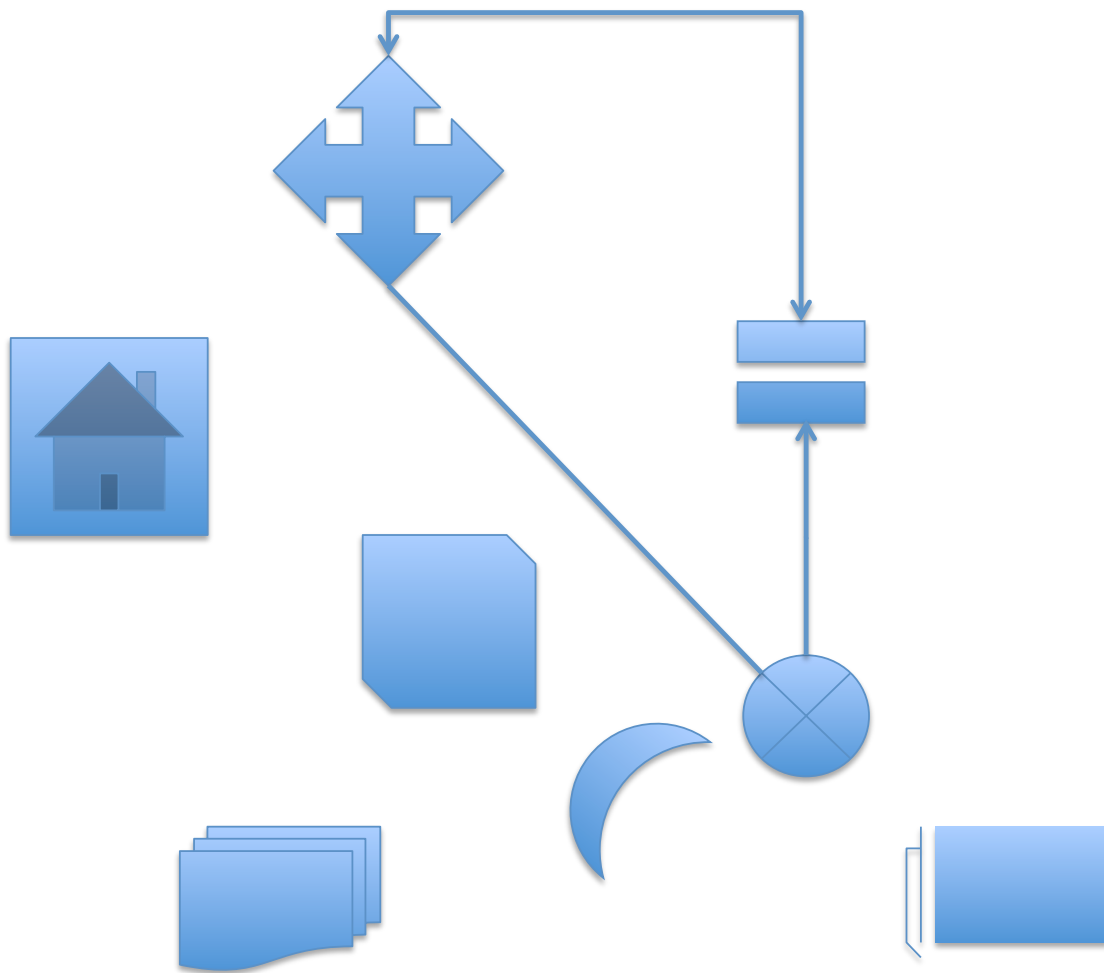


Figure 4.3: Caption for my figure3

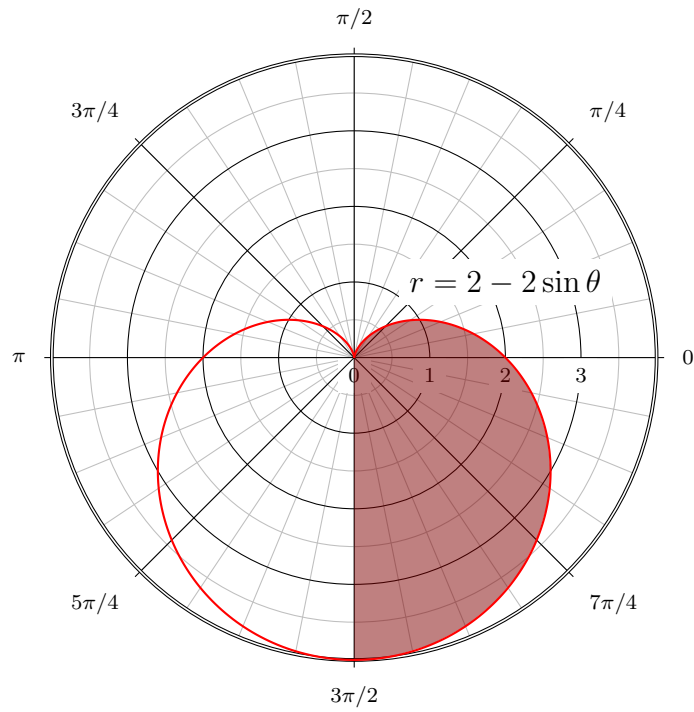


Figure 4.4: My polar plot

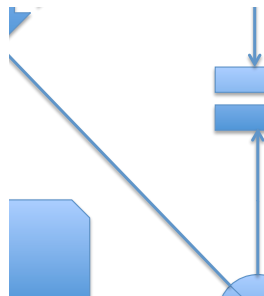


Figure 4.5: Caption for my figure4

# Chapter 5

## Algorithms

A template for typesetting algorithms is shown in PROCEDURE 5.

NAME OF THE ALGORITHM(*ARGUMENTS*)

```
    // Input ARGUMENT #1: Definition1
    // Input ARGUMENT #2: Definition2
1  BODY OF THE PROCEDURE
    // A while loop.
2  while [condition]
3      [Something]
    // A for loop.
4  for Var = [initial value] to [final value]
5      [Something]
    // An if-elseif-else block.
6  if [Condition1]
7      Blah...
8  elseif [Condition2]
9      Blah...
10 elseif [Condition3]
11     Blah...
12 else
13     Blah...
    // A variable assignment.
14 blah = A[j]
    // This is indented with a tab.
    // What is the output of this procedure?
15 return
```

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