### Name of Organization

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 LaTeX, and referencing and citations.
- 5. Version 0.5, June 5, 2014. Completed section on using color in LaTeX. In addition, I have completed another section on symbols representing LaTeX and related computer languages/technologies/concepts.
- 6. Version 0.6, June ???, 2014.

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#### **Text**

There are a significant amount of references for helping people to learn LaTeX [1–29] and related information/technologies.

In this chapter, I will provide some templates for referencing, templates for BIBTEX entries, indicate some common LATEX symbols, usage of colors in LATEX, and miscellaneous details.

Random macros from my LATEX-specific IDE (or text editor):

- 2. emailid@domain.com
- 3. Begin-end constructs (i.e., \begin and \end) for:
  - (a) quotation
  - (b) quote
  - (c) verbatim
  - (d) verse
- 4. Insert/import content from another file:  $\displaystyle \left\{ RELATIVE\ PATHNAME \right\}$
- 5. Import LaTeX packages: \usepackage{}
- 6. \footnote{}
- 7. \marginpar{}
- 8. C
- 9. C
- 10. This is good.

An enumeration of items:

- 1. Quite sparse enumeration:
  - (a) Sparse enumeration:
    - i. Very sparse enumeration:
      - A. Very, very sparse list:
        - Blah

List of items:

• Blah

Description of items:

**Key** Sparse description:

**key** Another entry

#### 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 BibTeX 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 BibTrX 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 BibTeX 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 BibTeX into my BibTeX database, enter the names of the editors into the author field. When citing edited publications, use a script to shift the content of the author field into the editor field. This enables PDF files associated with BibTeX entries in my BibTeX database to be placed in subdirectories in my repository of publications based on the author's (or first author's) last name.
- 5. Wikipedia contributors, "TITLE OF THE ARTICLE," in *Wikipedia, The Free Encyclopedia: CATEGORY*, Wikimedia Foundation, San Francisco, CA, MONTH DATE, YEAR.
- 6. Wikibooks contributors, "CHAPTER," in *TITLE OF THE BOOK*, Wikibooks: Open books for an open world, Wikimedia Foundation, San Francisco, CA, MONTH DATE, YEAR.
- 7. Wikibooks contributors, "SECTION," in *CHAPTER* of *TITLE OF THE BOOK*, Wikibooks: Open books for an open world, Wikimedia Foundation, San Francisco, CA, MONTH DATE, YEAR.
- 8. Wikibooks contributors, "TITLE OF THE BOOK," Wikibooks: Open books for an open world, Wikimedia Foundation, San Francisco, CA, MONTH DATE, YEAR.
- 9. Wikiquote contributors, "TITLE," Wikiquote, Wikimedia Foundation, San Francisco, CA, MONTH DATE, YEAR.
- 10. Wiktionary contributors, "TITLE," Wiktionary, Wikimedia Foundation, San Francisco, CA, MONTH DATE, YEAR.
- 11. Dictionary.com, "WORD," IAC, Oakland, CA, MONTH DATE, YEAR.
- 12. AUTHOR, "TITLE," in *The New York Times: The Opinion Pages: Op-Ed Contributor*, The New York Times Company, New York, NY, MONTH DATE, YEAR.
- 13. AUTHOR, "QUESTION", in CATEGORY, Quora, Inc., Palo Alto, CA, MONTH DATE, YEAR.
- 14. AUTHOR, Answer to "QUESTION", in *CATEGORY: QUESTION*, Quora, Inc., Palo Alto, CA, MONTH DATE, YEAR.
- 15. AUTHOR, "TITLE OF POST, in *BLOG TITLE*, Quora, Inc., Palo Alto, CA, MONTH DATE, YEAR.

#### 1.2 Writing LATEX Symbols

Symbols used to represent LATEX and related computer languages/technologies and concepts are:

- 1. LATEX
- 2. LATEX  $2\varepsilon$
- 3. BibTeX (or BibTeX)
- 4. METAPOST
- 5. METAFONT
- $6.\ ^{\text{TM}}$
- 7. (R)
- 8. (C)
- 9. (5)

#### 1.3 Coloring in LATEX

Things that I can do with colors in LATEX:

- 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 LATEX:
    - (a) Apricot
    - (b) blue
    - (c) cyan
    - (d) ForestGreen
    - (e) green
    - (f) magenta
    - (g) RoyalBlue
    - (h) RubineRed
    - (i) yellow
    - (j) YellowOrange

# Mathematics

# 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

# **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.

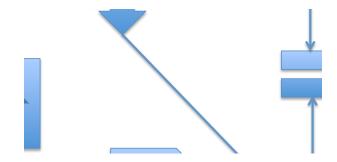


Figure 4.1: Caption for my figure1

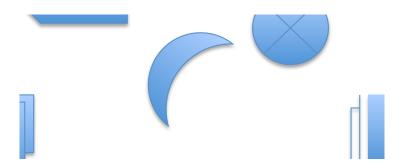


Figure 4.2: Caption for my figure 2

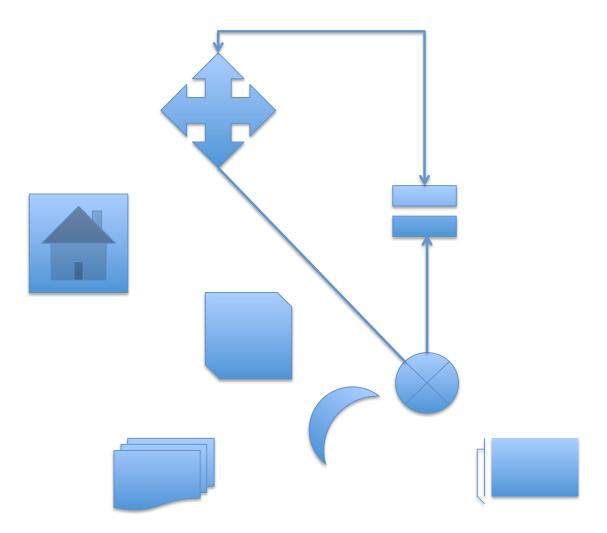


Figure 4.3: Caption for my figure 3

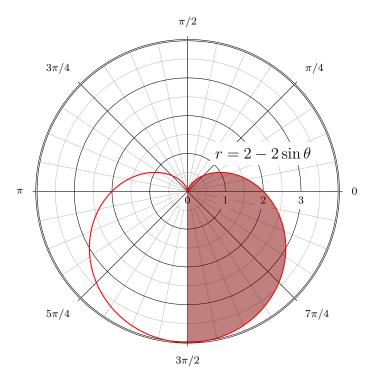


Figure 4.4: My polar plot

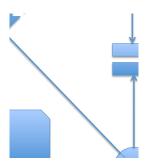


Figure 4.5: Caption for my figure4

# 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.
   while [condition]
3
         [Something]
    // A for loop.
   for Var = [initial value] to [final value]
        [Something]
    // An if-elseif-else block.
    if [Condition1]
7
        Blah...
    elseif [Condition2]
9
        Blah\dots
    elseif [Condition3]
10
        Blah...
11
12
    else
13
        Blah...
    # A variable assignment.
    blah = A[j]
        // This is indented with a tab.
    // What is the output of this procedure?
15
   return
```

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