An hkputhesis sample

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Statement of Authorship

Except where reference is made in the text of this dissertation, this dissertation contains no material published elsewhere or extracted in whole or in part from a dissertation presented by me for another degree or diploma.

No other person's work has been used without due acknowledgement in the main text of the dissertation.

This dissertation has not been submitted for the award of any other degree or diploma in any other tertiary institution.

_____

Name: QING Pei

Dated: 31/07/2012

Acknowledgements

This is the acknowledgments.

Abstract

This is the abstract.

Table of Contents

List of Figures

List of Tables

Chapter 1   Introduction

This is the introduction. The first paragraph after a heading is not indented.

This is a sentence. This is a sentence. This is a sentence. This is a sentence. This is a sentence.

1.1   Section Heading

This is a sentence. This is a sentence. This is a sentence. This is a sentence. This is a sentence.

1.1.1   Subsection heading

This is a sentence. This is a sentence. This is a sentence. This is a sentence. This is a sentence.

Subsubsection heading

This is a sentence. This is a sentence. This is a sentence. This is a sentence. This is a sentence.

Chapter 2   Summary

This is the summary chapter.

References

[1] Leslie Lamport. *LaTeX: A Document Preparation System*. Addison-Wesley, Reading Massachusetts, 1994.

[2] Michel Goossens, Frank Mittelbach, and Alexander Samarin. *The LaTeX Companion*. Addison-Wesley, Reading Massachusetts, 1994.

[3] Helmut Kopka and Patrick W. Daly. *A Guide to LaTeX, : Document Preparation for Beginners and Advanced Users*. Addison-Wesley, Reading Massachusetts, third edition, 1999.

[4] Helmut Kopka and Patrick W. Daly. *A Guide to LaTeX : Document Preparation for Beginners and Advanced Users*. Addison-Wesley, Reading Massachusetts, second edition, 1995.

Appendix A: Demonstrate Citations

I typed

```
For \LaTeX\ answers I refer to
% note to self: {\em \LaTeX: A Document Preparation System\/}
\cite{Lamport:1994}
and then to
% note to self: {\em The \LaTeX\ Companion\/}
\cite{Goossens:1994}
or
% note to self: {\em A Guide to LaTeX\/} (1999)
\cite{Kopka:1999}.
% note to self: {\em A Guide to LaTeX\/} (1999)
\cite{Kopka:1999}
is an updated edition of the 1995 edition
\cite{Kopka:1995}.
```

to get

For LaTeX answers I refer to [1] and then to [2] or [3]. [3] is an updated edition of the 1995 edition [4].

Appendix B: Demonstrate Figures

The `h` specifier used in all the examples below tells LaTeX to put the figure "here" instead of trying to find a good spot at the top or bottom of a page. Specifiers can be combined, for example, "\begin{figure}[htbp!]".

The complete list of specifiers:

Specifier	Description
b	bottom of page
h	here on page
p	on separate page of figures
t	top of page
!	try hard to put figure as early as possible

Label "fi:not-centered" is "B.1". Label "sf:four-parts-c" is "B.5(c)".

This is the first paragraph. This is the first paragraph. This is the first paragraph. This is the first paragraph. This is the first paragraph.
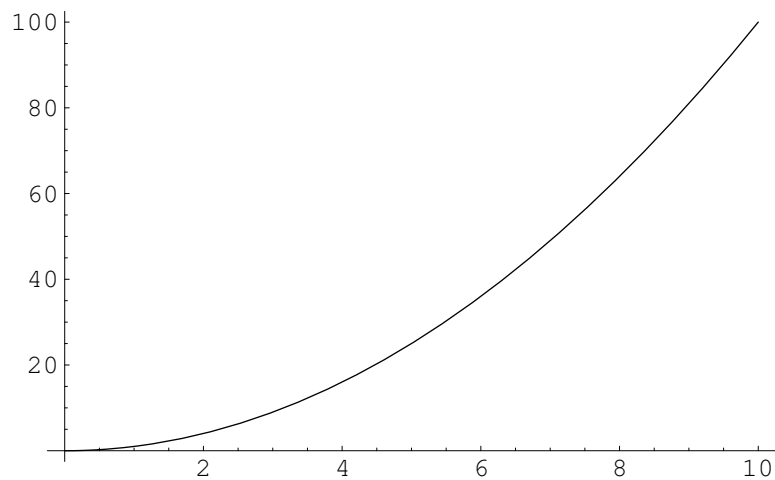
Figure B.1: By default figures are not centered. This is a long caption to demonstrate that captions are single spaced.

This is the second paragraph. This is the second paragraph. This is the second paragraph. This is the second paragraph. This is the second paragraph. This is the second paragraph. This is the second paragraph. This is the second paragraph. This is the second paragraph. This is the second paragraph. This is the second paragraph.
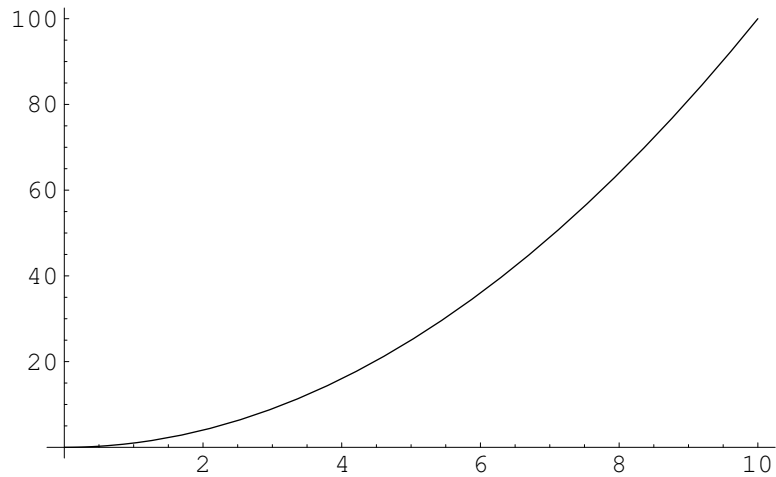
Figure B.2: Use \centering to center figures.

This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph. This is the third paragraph.

This is the fourth paragraph. This is the fourth paragraph. This is the fourth paragraph. This is the fourth paragraph. This is the fourth paragraph. This is the fourth paragraph. This is the fourth paragraph. This is the fourth paragraph. This is the fourth paragraph. This is the fourth paragraph.

This is the fifth paragraph. This is the fifth paragraph. This is the fifth paragraph. This is the fifth paragraph. This is the fifth paragraph. This is the fifth paragraph.

Figure B.3: This is another figuure.
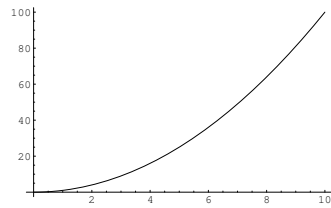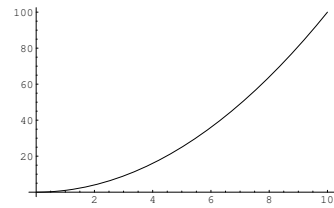
(a) First subcaption. (b) Second subcaption.

Figure B.4: This figure has two parts.

This is the fifth paragraph. This is the fifth paragraph. This is the fifth paragraph. This is the fifth paragraph.

This is the sixth paragraph. This is the sixth paragraph. This is the sixth paragraph. This is the sixth paragraph. This is the sixth paragraph. This is the sixth paragraph. This is the sixth paragraph. This is the sixth paragraph. This is the sixth paragraph. This is the sixth paragraph.
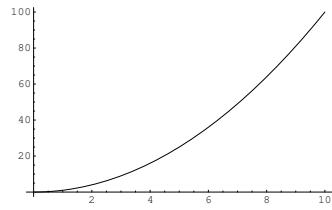
(a) First subcaption.
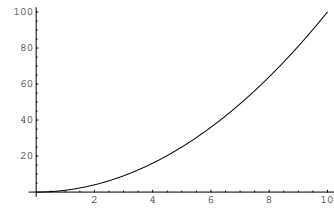
(b) Second subcaption.
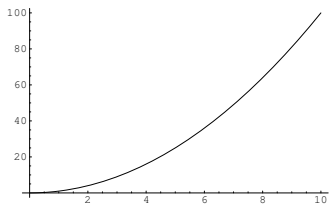
(c) Third subcaption.
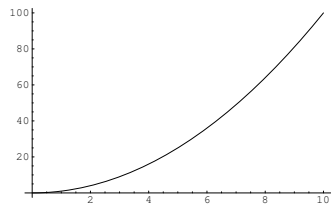
(d) Fourth subcaption.

Figure B.5: This figure has four parts.

Appendix C: Demonstrate Mathematics

```
% From _More Math Into LaTeX_, 4th Edition, page 152:
%     TeX uses $$ to open and close a displayed math environment.
%     In LaTeX, this may occassionally cause problems.  Don't do it.
\[
    E = mc^2
\]
```

$$E = mc^2$$

```
\begin{equation}
    E = mc^2
\end{equation}
```

$$E = mc^2 \tag{C.1}$$

```
% Mydefs.tex defines \be to be \begin{equation} and
% \ee to be \end{equation}.
\be
    E = mc^2
\ee
```

$$E = mc^2 \tag{C.2}$$

```
\be
    x = -\frac{b}{2a} \pm \frac{\sqrt{b^2 - 4ac}}{2a}
\ee
```

$$x = -\frac{b}{2a} \pm \frac{\sqrt{b^2 - 4ac}}{2a} \tag{C.3}$$

```
% requires \usepackage{amsmath}; use align* for no equation number
\begin{align}
    a = {}& b + c\\
    x = {}& y + z
\end{align}
```

$$a = b + c \tag{C.4}$$

$$x = y + z \tag{C.5}$$

```
\[
    Z = \left(
        \begin{array}{cc}
            a& b\\
            c& d
        \end{array}
    \right)
\]
```

$$Z = \begin{pmatrix} a & b \\ c & d \end{pmatrix}$$

```
\begin{equation}
    \begin{split}
        a = {}& b + c\\
            {}& + d + e
    \end{split}
\end{equation}
```

$$a = b + c$$
$$+ d + e \tag{C.6}$$

```
\be
    (\cos x)^2 + (\sin x)^2 = 1
\ee
```

$$(\cos x)^2 + (\sin x)^2 = 1 \tag{C.7}$$

```
If $X = \cos x$ and $Y = \sin x$ then $X^2 + Y^2 = 1$.
```

If $X = \cos x$ and $Y = \sin x$ then $X^2 + Y^2 = 1$.

Appendix D: Demonstrate Multicols

This is one column. This is one column.

This is two columns. This is two columns.

This is three columns. This is three columns.

This is three columns. This is three columns.
This is three columns.
This is three columns.

This is four columns. columns. This is four columns. columns.
columns. This is four columns. This is four
This is four columns. This is four columns.
columns. This is four columns. This is four
This is four columns. This is four columns.
columns. This is four columns. This is four
This is four columns. This is four columns.
columns. This is four columns. This is four
This is four columns. This is four columns.
columns. This is four columns.
This is four columns. This is four

This is five columns. This is five columns. This is five columns. This is five columns. This is five columns.
This is five columns. This is five columns. This is five columns. This is five columns. This is five columns.
This is five columns. This is five columns. This is five columns. This is five columns. This is five columns.
This is five columns. This is five columns. This is five columns. This is five columns. This is five columns.
This is five columns. This is five columns. This is five columns. This is five columns. This is five columns.

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Appendix E: Demonstrate Tables

Label	Number
ta:text-only	E.1
ta:fruit	E.2

This table contains only text. Let's cite Lamport's book here: [1].

Table E.1. This is the caption. Let's cite Lamport's book again here: [1].

apple	banana	cherry[1]
aardvark	boa constrictor	coyote

Table E.2. This is a really long and boring caption. It goes on and on as if it thinks what it says is important. Here is some more of it. The citation for "Lamport::1994" is "[1]".

Table E.3. 2.3 sidewaystable mode \begin{table}... \end{table} table

apple	banana	cherry
aardvark	boa constrictor	coyote

Table E.4. 2.4 sidewaystable mode \halign{...} table

apple	banana	cherry
aardvark	boa constrictor	coyote

apple	banana	cherry
aardvark	boa constrictor	coyote
apple	banana	cherry
aardvark	boa constrictor	coyote
apple	banana	cherry
aardvark	boa constrictor	coyote
apple	banana	cherry
aardvark	boa constrictor	coyote
apple	banana	cherry
aardvark	boa constrictor	coyote
apple	banana	cherry
aardvark	boa constrictor	coyote
apple	banana	cherry
aardvark	boa constrictor	coyote
apple	banana	cherry
aardvark	boa constrictor	coyote

Table E.5. 2.5 left hand table

apple	banana	cherry
aardvark	boa constrictor	coyote

Table E.6. 2.6 left hand table

Table E.7. 2.7 sidewaystable mode \begin{table}... \end{table} table

| apple | banana | cherry |
| aardvark | boa constrictor | coyote |

Table E.8. Presidents

#	Name
1	George Washington
2	John Adams
3	Thomas Jefferson

Table E.9. Presidents with horizontal and vertical lines

#	Name
1	George Washington
2	John Adams
3	Thomas Jefferson

Appendix F: Demonstrate Text

```
This is a sentence.

This is a sentence.

This is a sentence.

This is a sentence.

This is a sentence.


This is a sentence.

This is a sentence.

This is a sentence.

This is a sentence.

This is a sentence.
```

This is a sentence. This is a sentence. This is a sentence. This is a sentence. This is a sentence.

This is a sentence. This is a sentence. This is a sentence. This is a sentence. This is a sentence.

_____

From \verb+http://www.biblegateway.com/passage/?book_id=1&chapter=1&version=50+

```
\begin{quote}
    1 In the beginning God created the heavens and the earth.

    2 The earth was without form,

    and void;

    and darkness was on the face of the deep.

    And the Spirit of God was hovering over the face of the waters.


    3 Then God said,``Let there be light'';

    and there was light.

    4 And God saw the light,

    that it was good;

    and God divided the light from the darkness.

    5 God called the light Day,

    and the darkness He called Night.

    So the evening and the morning were the first day.
\end{quote}
```

From http://www.biblegateway.com/passage/?book_id=1&chapter=1&version=50:

> 1 In the beginning God created the heavens and the earth. 2 The earth
> was without form, and void; and darkness was on the face of the deep.
> And the Spirit of God was hovering over the face of the waters.
>
> 3 Then God said,"Let there be light"; and there was light. 4 And God saw
> the light, that it was good; and God divided the light from the darkness.

5 God called the light Day, and the darkness He called Night. So the evening and the morning were the first day.

```
\begin{description}
    \item[apple]
        A red fruit.
    \item[banana]
        A yellow fruit.
        This sentence is to make the entry longer so you can see what happens.
        This sentence is to make the entry longer so you can see what happens.
    \item[cherry]
        A red friut.
\end{description}
```

apple A red fruit.

banana A yellow fruit. This sentence is to make the entry longer so you can see what happens. This sentence is to make the entry longer so you can see what happens.

cherry A red friut.

```
\begin{enumerate}

    \item apple

    \item banana

        This sentence is to make the entry longer so you can see what happens.

        This sentence is to make the entry longer so you can see what happens.

    \item cherry

\end{enumerate}
```

1. apple

2. banana This sentence is to make the entry longer so you can see what happens.

   This sentence is to make the entry longer so you can see what happens.

3. cherry

```
\begin{itemize}
    \item apple
    \item banana
        This sentence is to make the entry longer so you can see what happens.
        This sentence is to make the entry longer so you can see what happens.
    \item cherry
\end{itemize}
```

- apple

- banana This sentence is to make the entry longer so you can see what happens.
  This sentence is to make the entry longer so you can see what happens.

- cherry