

CLV2 Class File Manual

How to Use CLV2 L^AT_EX Class File

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This article describes how to use the “CLV2” class file, developed by SPi, to produce typeset papers based on Computer Linguistics typesetting specifications for submission to MIT. This document was produced using “c1v2” class file and will be modified whenever there is an update in the layout specifications.

1. Introduction

This document applies to version 2 of CL class file. Prior style files such as “c1.sty” and “coli.sty” do not have all of the features described here. It is assumed that the user has a basic knowledge of L^AT_EX typesetting commands.

2. Class File Options

There are several options that can be used to switch the mode of MIT2 from normal article to manuscript style, or to different layout styles. This is specified in the usual L^AT_EX way by declaring:

```
\documentclass[bookreview,manuscript]{c1v2}
```

bookreview: Sets the article layout for Book Review.

brief: Sets the article layout for Briefly Noted.

discussion: Sets the article layout for Squibs and Discussions.

pubrec: Sets the article layout for Publication Received.

shortpaper: Sets the article layout for Short Paper.

manuscript: Sets the baseline spacing to double space. This option can be used in combination with other options.

By not declaring any option in the `\documentclass` command the class file will automatically set to standard article layout.

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3. Title Page

The title page is created using the standard \LaTeX command `\maketitle`. Before this command is declared, the author must declare all the data which are to appear in the title area.¹

3.1 Volume, Number and Year

The command `\issue{vv}{nn}{yyyy}` is used in declaring the volume, number and year of the article. The first argument is for the volume, the second argument is for the issue number. Volume and Issue number will appear on the even page running head opposite the journal name. The third argument is for the Year which will appear in the copyright line at the bottom of the title page.

3.2 Document Head

Document head is produced with the command `\dohead{Document Head}`. Doc head will output differently, or may not appear at all, depending on the option used in the documentclass.

3.3 Paper Title

The paper title is declared like: `\title{Computer Linguistic Article}` in the usual \LaTeX manner. Line breaks may be inserted with `(\)` to equalize the length of the title lines.

3.4 Authors

The name and related information for authors is declared with the `\author{}` command.

The `\thanks{}` command produces the "first footnotes.". \LaTeX `\thanks` cannot accommodate multiple paragraphs, author will have to use a separate `\thanks` for each paragraph.

The `\affil{}` command produces the author affiliations that appears right under the author's name.

3.5 Running Headers

The running heads are declared with the `\runningtitle{Running Title}` for the journal name and `\runningauthor{Author's Surname}` for author. These information will appear on the odd pages. For bookreview option, odd page running head is automatically set to "Book Reviews". Even page running head is default to Computational Linguistics opposite volume and issue number.

¹ `\maketitle` is the command to execute all the title page information.

3.6 History Dates

History dates are declared with `\historydates{Submission received:...}`. This data should contain Submission, Revised and Accepted date of the article. History dates appear at the footnote area of title page.

4. Abstract

Abstract is the first part of a paper after `\maketitle`. Abstract text is placed within the abstract environment:

```
\begin{abstract}
This is the abstract text . . .
\end{abstract}
```

5. Section Headings

Section headings are declared in the usual L^AT_EX way via `\section{}`, `\subsection{}`, `\subsubsection{}`, and `\paragraph{}`. The first 3 levels of section head will have Arabic numbering separated by period. The `\paragraph{}` section will have the title head in Italics and at the same line with the first line of succeeding paragraph.

6. Definition with Head

Definition with head is declared by using the environment:

```
\begin{definition}
Definition text. . .
\end{definition}
```

This environment will generate the word “**Definition 1**” in bold on separate line. The sequence number is generated for every definition environment. Definition data will have no indentation on the first line while succeeding lines will have hang indentation.

7. Lists

The usual L^AT_EX `itemize`, `enumerate` and `definition` list environments are used in CLV1 style.

To produce Numbered List use the environment:

```
\begin{enumerate}
\item First numbered list item
\item Second numbered list item
\item Third numbered list item
\end{enumerate}
```

To produce Bulleted List use the environment:

```
\begin{itemize}
\item First bulleted list item
\item Second bulleted list item
\item Third bulleted list item
```

```
\end{itemize}
```

To produce Definition List use the environment:

```
\begin{deflist}
\item[First] Definition list item. . .
\item[Second] Definition list item. . .
\item[Third] Definition list item. . .
\end{deflist}
```

Additional list environment were also defined such as Unnumbered, Arabic and Alpha lists.

Unnumbered List is the list where item labels are not generated. To produce Unnumbered List use the environment:

```
\begin{unenumerate}
\item First list item
\item Second list item
\item Third list item
\end{unenumerate}
```

To produce Arabic List use the environment:

```
\begin{arabiclist}
\item First arabic list item
\item Second arabic list item
\item Third arabic list item
\end{arabiclist}
```

To produce Alpha List use the environment:

```
\begin{alphalist}
\item First alpha list item
\item Second alpha list item
\item Third alpha list item
\end{alphalist}
```

All the list environments mentioned above can be nested with each other.

7.1 Other List Types

7.1.1 Outline List or Example List.

```
\begin{exlist}
\item First outline list item. . .
\item Second outline list item. . .
\item Third outline list item. . .
\end{exlist}
```

7.1.2 Output Formula or Algorithm.

```
\begin{algorithm}
\item[Step 1] First item. . .
\item[Step 2] Second item. . .
\end{algorithm}
```

See sample on the COLI-template.pdf.

8. Word Formula or Displayed Text

Word formula and displayed text are text that should be displayed in a separate line without indentation. This are achieved by using the environment:

```
\begin{displaytext}
This is a sample of displayed text . . .
\end{displaytext}
```

9. Dialogue

Dialogue text are presentation of people's conversation. These will be presented on a separate line where each dialogue starts with the name of speaker, followed by colon. Succeeding lines will be hang indented. To produce Dialogue use the environment:

```
\begin{dialogue}
Speaker 1: dialogue. . .

Speaker 2: dialogue. . .
\end{dialogue}
```

Please make sure to insert an empty line between dialogues.

10. Extracts

Extract text acts like quote, where left and right margins are indented. To produce Extract use the environment:

```
\begin{extract}
This is an example of Extract text. . .
\end{extract}
```

See sample on the COLI-template.pdf.

11. Theorem-like Environments

There are several theorem-like environments defined in CLV2 class file. Theorem-like environments generate the name of the theorem as label, and counter number in bold.

11.1 Example

To produce Example use the environment:

```
\begin{example}
This is Example text. . .
\end{example}
```

11.2 Lemma

To produce Lemma use the environment:

```
\begin{lemma}
```

```
Lemma text. . .
\end{lemma}
```

11.3 Theorem

To produce Theorem use the environment:

```
\begin{theorem}
Theorem text. . .
\end{theorem}
```

11.4 Rule

To produce Rule use the environment:

```
\begin{rule}
Rule text. . .
\end{rule}
```

11.5 Proof

Proof environment produces shaded square at the end of text. To produce Proof use the environment:

```
\begin{proof}
Proof text. . .
\end{proof}
```

11.6 Unnumbered Theorem-like Environments

There are also unnumbered version of some of the theorem-like environments. These are declared by using its asterisked version. Here are the three unnumbered version of theorem-like environments:

```
\begin{theorem*}
Unnumbered theorem text. . .
\end{theorem*}

\begin{rule*}
Unnumbered rule text. . .
\end{rule*}

\begin{proof*}
Unnumbered proof text. . .
\end{proof*}
```

12. Appendix

Appendix is declared by issuing the command `\appendix`. This will set the necessary labels to appendix' rule (i.e. (A.1) for equation number).

Sections inside Appendix are declared using `\appendixsection{}`, which will produce **Appendix A: Section Title** for first section.

Equation numbers are automatically set to (A.1), (A.2) and (A.3). Where the letters follow the current level of Appendix section. So equations on **Appendix B** will have equation numbers as follow: (B.1), (B.2) and (B.3).

13. Acknowledgments

Acknowledgments are produce by using the environment:

```
\begin{acknowledgments}
Acknowledgments text. . .
\end{acknowledgments}
```

14. Others

Other items such as Equations, Figures, Tables and References are produced in the standard L^AT_EX typesetting.

