

Chapter 10

Creating Glossaries with `glossaries`

- ✦ Load package `glossaries` to create lists of glossaries, acronyms and symbols
- ✦ Glossary creation: package `glossaries`, program `makeglossaries`¹
- ✦ Place the `\makeglossaries` command into the \LaTeX file preamble
- ✦ Define a glossary term: `\newglossaryentry{label}{settings}`

```
\newglossaryentry{electron}
{
}
```

- ✦ Define a symbol:

```
\newglossaryentry{pi}
{
}
```

- ✦ Define an acronym:

```
\newacronym{cem}{CEM}{Computational Electromagnetics}
```

- ✦ Place term definitions in a separate file, e.g. `acronyms.tex`
- ✦ Input term definitions: `\input{acronyms}`

- ✦ Use defined terms in a document:

```
\Gls{label}, \gls{label}, \Glspl{label}, \glspl{label}
```

- ✦ `\G...` writes a term with the capital letter
- ✦ `\...pl` writes a plural form of the term

```
\Gls{cem} deals with numerical methods such as the \gls{fdtd} method...
```

- ✦ Showing glossaries (end of document): command `\printglossaries`

¹On Windows: Perl is necessary for `makeglossaries` to work.

10.1 Document Skeleton

```

\documentclass{article}

\usepackage[toc,acronym]{glossaries}
\makeglossaries

\newacronym{cem}{CEM}{Computational Electromagnetics}
\newacronym{fdtd}{FDTD}{Finite-Difference Time-Domain}

\author{Jack Flapper}
\title{Overview of Computational Electromagnetics}

\begin{document}

\maketitle
\tableofcontents

\section{Introduction}

\Gls{cem} deals with numerical methods such as the \gls{fdtd} method...

\newpage
\printglossaries

\end{document}

```

+ Change in the compilation procedure:

```

(pdf)latex      article.tex
      bibtex      article
      makeindex    article
      makeglossaries article
(pdf)latex      article.tex
(pdf)latex      article.tex

```



Bibliography

- [1] (2012, Apr. 16) \LaTeX Wikibook. [Online]. Available: <http://www.wikibooks.org>