

Nomenclature

- A The area of the needle point, page 2
- a The number of angels per unit area, page 2
- N The number of angels per needle point, page 2

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Chapter 1

Sample Chapter

1.1 Introduction

Simple glossary, nomenclature or list of notations can be produced with the help of `tabular` environment, *e.g.*,

```
\chapter*{List of Notations}
```

```
\begin{tabular}{ll}
$a$ & The number of angels per unit area\\
$N$ & The number of angels per needle point\\
$A$ & The area of the needle point\\
\end{tabular}
```

To add some additional features to your nomenclature list, `nomenc1` package can be used. For more details, see <https://www.ctan.org/pkg/nomenc1>.

1.2 Sample using `nomenc1` package

Load `nomenc1` package in the preamble with `\usepackage{nomenc1}` command. The following three commands are used to produce the nomenclature list:

```
\makenomenclature  At preamble, right after \usepackage{nomenc1}.
\nomenclature       Used to define the nomenclature entries them-
                    selves. This takes two arguments, the symbol and
                    the corresponding description.
\printnomenclatures This command will print the nomenclatures list.
```

$$a = \frac{N}{A} \quad (1.1)$$

1.3 Compilation

- (1) \LaTeX or $\text{PDF}\text{\LaTeX}$ your document. Then a file with `.nlo` extension will be created. In this case `nomenclature.nlo` will be generated.
- (2) Then run `makeindex <FileName>` in your command prompt, *e.g.*,
`makeindex FileName.nlo -s nomencl.ist -o FileName.nls`
- (3) \LaTeX or $\text{PDF}\text{\LaTeX}$ your document again. You can see that the nomenclature is printed at the place where you have given the `\printnomenclature` command.

To generate nomenclature list of this file `nomenclature.tex`, the following commands are issued:

- (1) `latex nomenclature.tex`
- (2) `latex nomenclature.tex`
- (3) `makeindex nomenclature.nlo -s nomencl.ist -o nomenclature.nls`
- (4) `latex nomenclature.tex`
- (5) `latex nomenclature.tex`