

Reference Sheet for a L^AT_EX Document

→ Modified Version of <https://tug.ctan.org/info/latex-refsheet/>

A. L^AT_EX Basics

A.1. Units and Lengths

→ (Some) units for length and dimensions:
 bp point (typographic) mm millimeter px pixel cm centimeter
 → Document dependent units:
 $z\text{\textwidth}$, $z\text{\linewidth}$, $z\text{\columnwidth}$, $z\text{\textheight}$
 with z a percentage value, e.g. 0.50\textwidth
 → Amounts like \smallskipamount , \medskipamount , \bigskipamount .

A.2. Reserved Characters (see also F.1, cf. H)

\backslash introduces a command \textbackslash
 $\{ \}$ embraces arguments, creates logical parts $\{ \}$
 $[]$ embraces *optional* arguments $[]$
 $\%$ comments: code after $\%$ will be ignored. $\%$
 $\&$ separates columns in tabular-like environments $\&$
 $\#$ parameter for own command declarations $\#$
 $\$$ text style math mode (abbr. for \dots) $\$$
 $_$ index/exponent only valid in math mode, e.g. a_1^2 see F.1

B. Preamble (before $\begin{document}$)

B.1. Documentclass (necessary)

Use: $\documentclass[opt, opt, \dots]{class}$
 Recommended classes: scrartcl, scrreprt, scrbook, scrlltr2
 Non-KOMA-Script classes: beamer, article, IEEETran

Common options with default Values available (subtotal)

fontsize=11pt	10pt 12pt (e.g. 12.5pt also valid)
paper=a4, paper=portrait	a3 a5 b4 letter, landscape
parskip=no	half full
headings=big	small normal
captions=tablebelow, figurebelow	tableabove, figureabove
twocolumn=false	true
usegeometry=false	true

→ Options of document class are passed to every loaded package.
 → Set or change options later in file, e.g. $\KOMAOPTIONS[twoside=true]$

B.2. Loading Packages

$\usepackage[options]{package}$
 $\PassOptionsToPackage[options]{package}$

B.3. Encoding Settings

```
\usepackage[utf8]{inputenc} % most IDEs use UTF8
\usepackage[T1]{fontenc} % most fonts needs T1
```

B.4. Language Settings with babel

Load: $\usepackage[ngerman, main=english]{babel}$
 Use: $\selectlanguage{language}$ $\foreignlanguage{language}{text}$

```
\documentclass[italian]{scrbook} % global option
\usepackage[british, main=italian]{babel} % package option
\usepackage{csquotes} % package csquotes knows italian
```

C. Layout

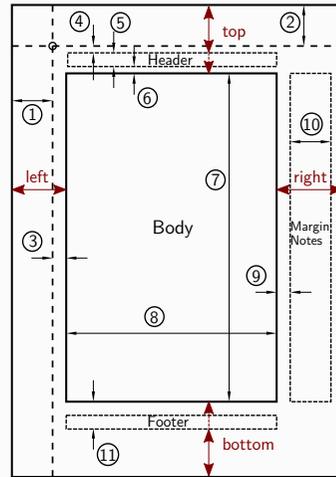
C.1. Changing Page Layout with geometry

→ Set option $usegeometry=true$.

```
\usepackage[left=2cm, right=2cm, top=3cm, bottom=4cm]{geometry}
```

→ Auto-completion determines unspecified dimensions (under or over specified as well), here width and height of text (see C.2).
 → Other options: $paper=a4paper$, $landscape|portrait$, $includehead$, $includefoot$, $includeheadfoot$, $twocolumn$ $bindingoffset=Xcm$
 → Changing page layout mid document: $\newgeometry{opt, opt, \dots}$

C.2. Page Layout



① $\text{lin} + \text{hoffset}$ ② $\text{lin} + \text{voffset}$ ③ oddsidemargin
 ④ topmargin ⑤ headheight ⑥ headsep
 ⑦ textheight ⑧ textwidth ⑨ marginparwidth
 ⑩ marginparheight ⑪ footskip

Hint: This image with the current values of the specific document can be generated by loading the package `Layout` and the command `\layout`.

C.3. Linespread with setspace

Load: $\usepackage[onehalfspacing]{setspace}$ for 1.5 line spacing.
 Other Options: singlespacing , doublespacing

D. Document Structure

D.1. Start Document

$\begin{document}$ Complete document contents. $\end{document}$

D.2. Title

simple title: \author{text} \title{text} $\date{\today}$ \maketitle

D.3. Table of Contents, List of Figures (for other List of see ?? & K)

\tableofcontents \listoftables \listoffigures

D.4. Headings

```
\part{title} \chapter{title}
\section{title} \subsection{title} \subsubsection{title}
\paragraph{title} \subparagraph{title}
```

→ \chapter only valid in documentclass `scrbook` and `scrreprt`
 → Use the optional parameter for short titles in headings and table of contents, e.g. $\section[short title]{title}$
 → Use $*$ variants for headings without numbering, no change in counter and no entry in table of contents.
 → Use \addpart , \addchap or \addsec for unnumbered headings, but with running heading and entry in table of contents.
 The $*$ variants delete the running heading.

D.5. Justification

Environment	Declaration	Other
\begin{center}	\centering	$text \par \vfill text$
$\begin{flushleft}$	\raggedright	$text \hfill text$
$\begin{flushright}$	\raggedleft	$\raggedbottom, \flushbottom$

D.6. Lists

$\begin{itemize}[options]$ with bullets \item or $\item[symbol]$
 $\begin{enumerate}[options]$ with numbers \item
 $\begin{description}[options]$ with bold words $\item[word]$
 → Lists can be nested

```
\begin{itemize}
\item First item
\item[!] Second item, with a ! instead of a bullet
\end{itemize}
```

D.7. Enhanced Lists with enumitem

Load: $\usepackage{enumitem}$
 Possible Options (enumerate):
 → $\label=\roman.*$ (use extra symbols like \cdot) etc before the $*$)
 $\Alph*$, $\alph*$, $\Roman*$, $\roman*$, $\Arabic*$
 → $start=0$ set the start of the counter
 → resume continue counter from previous list
 → $noitemsep, nolistsep$ removes the spacing

Define settings for a new list:

```
\newlist{mylist}{enumerate}{10}
\setlist{mylist}{label*=\arabic*., noitemsep}
```

Use: \begin{mylist} $\item \dots \end{mylist}$

E. Typographic Issues and overfull hboxes

E.1. Spacing horizontally

Avoid spacing with fixed units like $\hspace{0.5cm}$ use \quad or \qquad instead (see also A.1). **Spacing in math is almost always right!**

Math	Math/Text	Math/Text	Math/Text
$a b$	ab	$a\!b$ ab ab	$a\!;b$ $a b$ $a b$
$a\!>b$	$a b$	$a\!, b$ ab ab	$a\! \quad b$ $a b$

\hspace{length} ; $*$ variant $\hspace*{length}$ space even at line start
 Use with care: \hphantom{text}
 \indent produces an indent. \noindent skips the automatic new paragraph indent.

E.2. Spacing vertically

→ Vertical space is only effective between paragraphs
 → Avoid spacing with fixed units like $\vspace{0.5cm}$ use rubber length like \smallskip , \medskip or \bigskip instead (see also A.1)
 → \vspace{length} ; $*$ variant $\vspace*{length}$ space even at page start
 → \par or an empty line starts a new paragraph
 → $\!\!$ new line. Use sparingly, mostly in tabulars.
 → $\!\!$ (see A.1)
 → new page: $\pagebreak A$ \indent produces an indent.
 → Use with care: \vphantom{text}

E.3. Preventing Breaks

→ Protected space between words: $\-$
 → Prevent line breaking within text: \mbox{text}
 → Prevent page breaks: $\nopagebreak[num]$, num between 1 and 4
 → Cheat a bit on page size: \enlargethispage{unit} (see A.1)

F. Text

F.1. Text Symbols/Characters (see also A.2)

A lot of diacritic symbols can be typed directly, e.g. \grave{e} \acute{e} \tilde{n} \grave{c}

```
\S \S \_ \_ \textunderscore{} \~ \textasciitilde{}
^ \textasciicircum{} \dots \ldots | \textbar
```

Other symbols need packages, e.g. \in euro (`textcomp`)

F.2. Fonts

Command	Declaration	Effect
rm {text}	$\{\text{rmfamily text}\}$	Roman family
sf {text}	$\{\text{sfamily text}\}$	Sans serif family
tt {text}	$\{\text{ttfamily text}\}$	Typewriter family
md {text}	$\{\text{mdseries text}\}$	Medium series
bf {text}	$\{\text{bfseries text}\}$	Bold series
up {text}	$\{\text{upshape text}\}$	Upright shape
it {text}	$\{\text{itshape text}\}$	<i>Italic shape</i>
sl {text}	$\{\text{slshape text}\}$	<i>Slanted shape</i>
sc {text}	$\{\text{scshape text}\}$	SMALL CAPS SHAPE

More general commands:
 \emph{text} $\{\text{em text}\}$ *Emphasized*
 \textnormal{font} $\{\text{normalfont text}\}$ Document font

Example: $\setkomafont{section}\scshape$

F.3. Font Size

Font size is relative to the base font size, specified in the document class.

\tiny	tiny	Large	Large
\scriptsize	scriptsize	LARGE	LARGE
\footnotesize	footnotesize	huge	huge
\small	small	Huge	Huge
\normalsize	normalsize		
\large	large		

Use: $\{\small text\}$ or $\{\huge text\par}$ to limit the size change.

F.4. Colors with xcolor

```
\usepackage{xcolor}
\definecolor{DarkBlue}{RGB}{0, 115, 207} % custom color
\colorlet{greenblue}{green!10!blue}
% new custom color with 10% green and 90% blue
\textcolor{red}{text in red} or {\color{red}text}
\colorbox{gray!25}{text} % text in gray (faded by 25%) box
```

Predefined colors:

white gray black red green blue cyan magenta yellow

Fade a color with $color!value$ between 0 and 100

Headings in color: $\setkomafont{disposition}\color{color}$

F.5. Footnotes

\footnote{text}	Print footnote marker in text and footnote at bottom of page
\footnotemark	Print footnote marker in text (e.g. within tabular or caption)
\footnotetext{text}	Print footnote at bottom of page

F.6. References with hyperref (loads url implicitly)

$\autocite{citekey}$	Cite a bibliographic reference (package <code>biblatex</code>)
\label{marker}	Set a marker for cross reference, often if the form $\label{sec:item}$ or $\label{fig:diag1}$
\autoref{marker}	Give type name and number of marker
\autopageref{marker}	Give abbreviation of "page" and page number of marker
\url{url}	Print clickable web page
$\href[options]{url}{text}$	Print clickable link
$\hyperref[marker]{text}$	Print clickable reference

G. Figures & Tables (floating environments)

G.1. Figures with graphicx

Load: $\usepackage{graphicx}$
 Use: $\includegraphics[opt]{file}$ (png, jpg, pdf)
 Use: $\begin{figure} \dots \caption{\dots} \label{fig:x} \end{figure}$

```
\graphicspath{{src/}{img/}} %subfolder images; set in preamble
\begin{figure}\centering
\includegraphics[width=.8\columnwidth]{pic.jpg}
\caption[Short title]{Long title}\label{fig:ff}
\end{figure}
```

G.2. Tables width aligned material

```
\begin{table}[htbp] \centering
\caption{Table caption}\label{tab:exp}
\begin{tabular}{@{}l@{}}
\emph{Name} & \emph{Desc.}\ \ \hline
entry & entry
\end{tabular}
\end{table}
```

- suppress leading space `{@{}l@{}}`
- fixed width cells `{ | m{5em} | m{1cm} | m{1cm} | }`
- fixed width table
- `\begin{tabularx}{0.8\textwidth}{c|c}\end{tabularx}`
- alignment of cols

```
\begin{tabularx}{
|>\raggedright\arraybackslashX
|>\centering\arraybackslashX
|>\raggedleft\arraybackslashX | }
```

- `\multirow` `\usepackage{multirow}`
- `\multipage` `\usepackage{longtable}`
- Column separation: `@{\hspace{unit}}` or `\setlength{\tabcolsep}{unit}`
- Row separation: `\[unit]` or `\renewcommand{\arraystretch}{unit}`
- Partial lines: `\cline{2-3}` instead of `\hline`
- row coloring `\rowcolors{3}{green!80!yellow!50}{green!70!yellow!40}` (set outside table) Additional packages: `array`, `booktabs`, `tabu`, `xcolor` with option `table`, `tabularx`, `tabulary`

G.3. Code Listings with `verbatim`

Build-In Option (no highlighting)
Use: Environment: `\begin{verb} ... \end{verb}`
In line: `\verb|...|` (same start- and end char)

G.4. Fancy Code Listings with `listings`

Load: `\usepackage{listings}`
Options: Various Styling of Code possible. Keywords, Comments etc are recognized and can be set as a style
Use: `\lstdefinestyle{mystyle}{language=Python, Options}`
`\lstset{style=mystyle}`
Environment: `\begin{lstlisting} ... \end{lstlisting}`
In line: `\lstinline+ ... \lstinline+` (same start- and end char)
File: `\lstinputlisting{filename}`

```
1 % Python collection
2 secret=42
3 guess=Int(input("Enter number: "))
4 if guess==secret:
5     print ("You won!")
6 elif guess==secret:
7     print ("Secret number is bigger.")
8 else:
9     print ("No, secret number is smaller.")
```

G.5. Boxes and Rules

Normal: `\parbox[pos]{height}[contentpos]{width}{text}` or `\begin{minipage}[pos][height][contentpos]{width}\text\end{minipage}`
Lift Text: `\raisebox{lift}[height][depth]{text}`
Framed Box: `\fbox{text}` or `\framebox[width][pos]{text}`
Colored Box (`xcolor`): `\colorbox{backgroundcolor}{text}`
Framed colored Box: `\colorbox{bordercolor}(backgroundcolor){text}`
Resize (`graphicx`): `\scalebox{10}{Giant}`
Lengths: `\setlength{\fboxsep}{unit}`, `\setlength{\fboxrule}{unit}`

H. Math

H.1. Math mode (Standard \LaTeX)

Textstyle: $\backslash(x^2 + 4) \backslash x^2 + 4 \backslash \rightsquigarrow x^2 + 4$ as part of the text.
Displaystyle: $\backslash[x^2 + 4 \backslash] \rightsquigarrow$ separat line, centered
Equation: `\begin{equation} ... \end{equation}\label{name}`

$$\lambda := \lim_{x_1 \rightarrow \infty} \int_{x_0}^{x_1} \frac{f\left(\frac{t}{2}\right)}{\sqrt{t^2 + \sin^2(t)}} dt \leq 1 \quad (1)$$

- Use `*` variant for unnumbered equation (without label).
- Options for positions of equation number: `leqno` or `reqno`.

H.2. Important Symbols in Math

+	+	-	-	±	$\backslash pm$	∓	$\backslash mp$
<	<	≤	$\backslash le$	≪	$\backslash ll$	×	$\backslash cdot$
>	>	≥	$\backslash ge$	≫	$\backslash gg$	·	$\backslash times$
=	=	≠	$\backslash ne$	≡	$\backslash equiv$	≈	$\backslash approx$
		⊥	$\backslash perp$	∩	$\backslash mid$	∥	$\backslash parallel$
f'	f'	∇	$\backslash nabla$	Δ	$\backslash Delta$	∂	$\backslash partial$
∈	$\backslash in$	∀	$\backslash forall$	∃	$\backslash exists$	∄	$\backslash nexists$
∩	$\backslash cap$	∪	$\backslash cup$	∉	$\backslash notin$	∓	$\backslash setminus$
ℓ	$\backslash ell$	∠	$\backslash angle$	∅	$\backslash circ$	∅	$\backslash emptyset$
∨	$\backslash lor$	∧	$\backslash land$	¬	$\backslash not$	∅	$\backslash varnothing$
T	$\backslash top$	⊥	$\backslash bot$	∞	$\backslash infty$	∞	$\backslash propto$

H.3. Math Functions (upright typeface)

$\backslash arccos$ $\backslash arcsin$ $\backslash arctan$ $\backslash arg$ $\backslash cos$ $\backslash cosh$ $\backslash cot$ $\backslash coth$ $\backslash csc$ $\backslash deg$ $\backslash det$
 $\backslash dim$ $\backslash exp$ $\backslash gcd$ $\backslash hom$ $\backslash inf$ $\backslash ker$ $\backslash lg$ $\backslash lim$ $\backslash liminf$ $\backslash limsup$
 $\backslash ln$ $\backslash log$ $\backslash max$ $\backslash min$ $\backslash Pr$ $\backslash sec$ $\backslash sin$ $\backslash sinh$ $\backslash sup$ $\backslash tan$ $\backslash tanh$

H.4. More Math Functions

\sum $\backslash sum$ \prod $\backslash prod$ \coprod $\backslash coprod$
 \int $\backslash int$ \iint $\backslash iint$ \iiint $\backslash iiint$ \oint $\backslash oint$
 \vec{a} $\backslash vec{a}$ \dot{a} $\backslash dot{a}$ \ddot{a} $\backslash ddot{a}$ \hat{a} $\backslash hat{a}$

H.5. Fonts and Sizes in Math Mode (some from `amsmath`)

$\backslash mathrm{}{}$	aA	$\backslash mathit{}{}$	aA
$\backslash mathbf{}{}$	aA	$\backslash mathsf{}{}$	aA
$\backslash mathtt{}{}$	aA	$\backslash boldmath{}{}$	1 + aA
$\backslash mathbb{}{}$	\mathbb{Z}	$\backslash mathcal{}{}$	\mathcal{Z}
$\backslash mathfrak{}{}$	\mathfrak{Z}	$\backslash boldsymbol{}{}$	α
$\backslash displaystyle$	$\backslash scriptstyle$	$\backslash scriptscriptstyle$	$\backslash textstyle$

H.6. Often used Math Expressions

x^{n+1} $x^{(n+1)}$ E_{kin} E_{\cdot} ($\backslash mathrm{kin}$)
 $\frac{a+b}{2}$ $\frac{a+b}{2}$ $\sqrt[n]{a^2+b^2}$ $\sqrt[n]{a^2+b^2}$
 x_1, \dots, x_n x_1, \dots, x_n $x_1 + \dots + x_n$ $x_1 + \dots + x_n$

$$\left(a + \frac{1}{2}\right)^2 \quad \backslash left{ (a + \frac{1}{2}) \right}^2$$

$$\sum_{i=1}^N \prod_{i=1}^N \quad \backslash sum_{i=1}^N \backslash prod_{i=1}^N$$

$$\lim_{a \rightarrow \infty} \quad \backslash lim_{a \rightarrow \infty}$$

$$\int_a^b x^2 dx \quad \backslash int_a^b x^2 \backslash ; \backslash mathrm{d}x$$

$$\frac{df}{dx} \bigg|_{x_0} \quad \backslash left. \backslash frac{\backslash mathrm{d}f}{\backslash mathrm{d}x} \backslash right|_{x_0}$$

$$A^\dagger A^* \quad A^\dagger \backslash dagger \quad \backslash boldmath{A}^* \backslash *$$

$$\underbrace{2x - 6y} \quad \backslash underbrace{2x - 6y} \backslash . \backslash text{\$=\$, since \$x = 3y\$}$$

$$= 0, \text{ since } x = 3y \quad \backslash stackrel{!}{<} \quad \backslash stackrel{\backslash mathrm{def}}{\{=\}}$$

$$\overset{above}{mid} \quad \backslash overset{above}{mid} \quad \underset{below}{mid} \quad \backslash underset{below}{mid}$$

H.7. Math with `amsmath` (replacing standard Environments)

`equation` `equation*` One line, one equation
`multiline` `multiline*` One unaligned multiple-line equation, one number
`gather` `gather*` Several equations without alignment
`align` `align*` Several equations with multiple alignments
`alignat` `alignat*` Multiple alignments, choose spacing between cols
`flalign` `flalign*` Several equations: horizontally spread form of align cases
`cases` Alignment for cases
`split` A simple alignment within a multiple-line equation
`aligned` A "mini-page" with multiple alignments
`gathered` A "mini-page" with unaligned equations

- The content is automatically placed in math mode.
- Use `\intertext{text}` to set text within an `amsmath` environment
- Length parameter to influence vertical spacing within any `amsmath` environment: `\jot` (e.g. `\addtolength{\jot}{1ex}`)
- Add singular vertical space for a line via `\[<amount>]` (see A.1)

H.7.1. `amsmath align`

Aligns at $\&$.

```
\begin{align}
y \&= d \backslash \quad \quad \quad y = d \quad (1)
y \&= cx+d \backslash nonumber \backslash \quad \quad \quad y = cx + d
y \&= bx^2+cx+d \backslash label{eq:key} \quad \quad \quad y = bx^2 + cx + d \quad (2)
\end{align}
```

H.7.2. `amsmath matrix`

`\begin{pmatrix} a & b \backslash c & d \end{pmatrix}`

<code>matrix</code>	<code>pmatrix</code>	<code>bmatrix</code>	<code>Bmatrix</code>	<code>vmatrix</code>	<code>Vmatrix</code>
$a \quad b$	$\begin{pmatrix} a & b \end{pmatrix}$	$\begin{bmatrix} a & b \end{bmatrix}$	$\begin{Bmatrix} a & b \end{Bmatrix}$	$\begin{vmatrix} a & b \\ c & d \end{vmatrix}$	$\begin{Vmatrix} a & b \\ c & d \end{Vmatrix}$

H.7.3. Dots

$\backslash dots$ or $\backslash ddots$... $\backslash dots$...
 $\backslash vdots$... $\backslash ddots$...
 $\backslash dotsfor{cols}{dotspace}$ multicolumn dots.

H.8. `amsmath cases`

`f(n) = \begin{cases} n/2 & \backslash quad \text{if } \$n \text{ is even} \backslash \\ -(n+1)/2 & \backslash quad \text{if } \$n \text{ is odd} \backslash \end{cases}`

$$f(n) = \begin{cases} n/2 & \text{if } n \text{ is even} \\ -(n+1)/2 & \text{if } n \text{ is odd} \end{cases}$$

H.9. Arrows

\rightarrow $\backslash mapsto$ \rightsquigarrow $\backslash leadsto$
 \rightarrow $\backslash rightharpoonup$ \Rightarrow $\backslash Rightarrow$
 \rightarrow $\backslash longrightarrow$ \Longrightarrow $\backslash Longrightarrow$
 \leftarrow $\backslash leftarrow$ \Leftarrow $\backslash Leftarrow$
 \leftarrow $\backslash longleftarrow$ \Longleftarrow $\backslash Longleftarrow$
 \uparrow $\backslash uparrow$ \Uparrow $\backslash Uparrow$
 \downarrow $\backslash downarrow$ \Downarrow $\backslash Downarrow$
 \leftrightarrow $\backslash leftrightarrow$ \Leftrightarrow $\backslash Leftrightarrow$
 \Leftrightarrow $\backslash leftleftarrows$ \Rrightarrow $\backslash rightrightarrows$
 \Leftrightarrow $\backslash lefttrightrightarrows$ \Leftrightarrow $\backslash rightlefttrightrightarrows$
 \Leftrightarrow $\backslash lefttrightharpoons$ \Leftrightarrow $\backslash rightlefttrightharpoons$

H.10. Delimiters

<code>(.)</code>	<code>(.)</code>	<code>[.]</code>	<code>[.]</code>	<code>\lfloor</code>	<code>\rfloor</code>
<code> .</code>	<code> .</code>	<code>{.}</code>	<code>\.</code>	<code>\lceil</code>	<code>\rceil</code>
<code>\ </code>	<code>\ </code>	<code>\ </code>	<code>\vert</code>	<code>\.</code>	<code>\rangle</code>

- Use `\left expr \right` to stretch delimiters to the height of `expr`
- A missing delimiter can be added with `.`, e.g. `\left.`
- For manual sizing use `\big`, `\Big`, `\bigg`, e.g. `\Big| \Big\lceil`

I. TikZ Nodes

```
\begin{tikzpicture}[node distance={25mm},
thick, main/style = {draw, circle}]
\node[main] (0) {0};
\node[main] (1) [above left of=0] {1};
\draw (0) -- node[midway, below, sloped] {abc} (1);
\draw (4) to [out=260,in=340, looseness=5]
node[midway, below, sloped] {0} (4);
\draw[->] (0) -- (1)
\draw[->] (1,-1) -- (f);];
\end{tikzpicture}
```

J. Own Commands and Environments

J.1. Own Commands in General

- `\newcommand` doesn't work if the command is already defined: so it's a completely new definition.
- `\renewcommand` works only if the command is already defined: it's a redefinition.
- `\providecommand` works like `\newcommand`, but if the command is already defined, the (re)definition is ignored.

J.2. Own Commands

Params: `#1 ... #n`
Define: `\newcommand{paramsquantity}{\cmdname}{cmds #1 ...}`
Exmp: `\newcommand{\setlisted}[1]{\Omega = \{#1\}}`
`\setlisted{1,2,3,4}` will produce $\Omega = \{1, 2, 3, 4\}$
Exmp: `\newcommand{\mytext}{Some text which I need very often.}`

K. Bibliography with `bibtex` & External Processor `biber`

K.1. Entry types

<code>@article</code>	<code>@book</code>	<code>@inbook</code>	<code>@collection</code>
<code>@incollection</code>	<code>@manual</code>	<code>@misc</code>	<code>@online</code>
<code>@patent</code>	<code>@phdthesis</code>	<code>@proceedings</code>	<code>@periodical</code>
<code>@techreport</code>	<code>@thesis</code>		

K.2. Entry Fields

author	title	journal	year	volume
editor	publisher	institution	school	series
pages	organization	number	note	key

K.3. Styles

alphabetic authoryear authortitle numeric mla verbose
chem-acs phys nature science ieee apa
See https://de.sharelatex.com/learn/Bibtex_bibliography_styles

K.4. Example

```
% in preamble
\usepackage{autostyle=true}[csquotes] % Load
\usepackage[backend=biber, style=nature, language=british]
{bibtex} % Load
\addbibresource{mybibliographyfile.bib} % Define
% anywhere within the document
\autocite{citekey} % Use
\printbibliography % Print
```

```
# example.bib
@misc{WC:2017, % cite reference name (\autocite{WC:2017})
author = {Wikipedia},
title = {\TeX}---Wikipedia,{ The Free Encyclopedia},
note = {\url{https://en.wikipedia.org/wiki/TeX}},
last referenced 24-June-2017}
}
```