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iLTEX: Minimal LATEX Templates

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```
1.37 xparse - A generic document command parser

$\infty$ 1 Packages

$\infty$ 1.1 amsmath - AMS mathematical facilities for LaTeX

$\infty$ 1.2 amssymb

$\infty$ 1.3 amsthm - Typesetting theorems (AMS style)

$\infty$ 1.4 array - Extending the array and tabular environments

$\infty$ 1.5 babel - Multilingual support for LaTeX, LuaLaTeX, XeLaTeX, and Plain TeX

$\infty$ 1.6 blindtext - Producing 'blind' text for testing

Listing 1.

1 \blindmathtrue
2 \blindtoctrue
3 \Blinddocument
```

1.7 booktabs - Publication quality tables in LaTeX

```
Listing 2.
 \begin{tabular}{@{}llr@{}} \toprule
    \multicolumn{2}{c}{Item}
                                       Animal
             & Description & Price (\$) \\ \midrule
4
    Gnat
             & per gram
                          & 13.65
             & each
                           & 0.01
                                       11
5
             & stuffed
                           & 92.50
                                       11
6
             & stuffed
                         & 33.33
                                       11
    Armadillo & frozen
                           & 8.99
                                       \\ \bottomrule
 \end{tabular}
          Item
  Animal
            Description
                        Price ($)
  Gnat
            per gram
                          13.65
            each
                           0.01
  Gnu
            stuffed
                          92.50
  Emu
            stuffed
                          33.33
  Armadillo
           frozen
                           8.99
```

4 1.8 caption - Customising captions in floating environments

♦♦ 1.9 cleveref - Intelligent cross-referencing

```
Listing 3.

1 \cref{demo:cleveref} listing 3
```

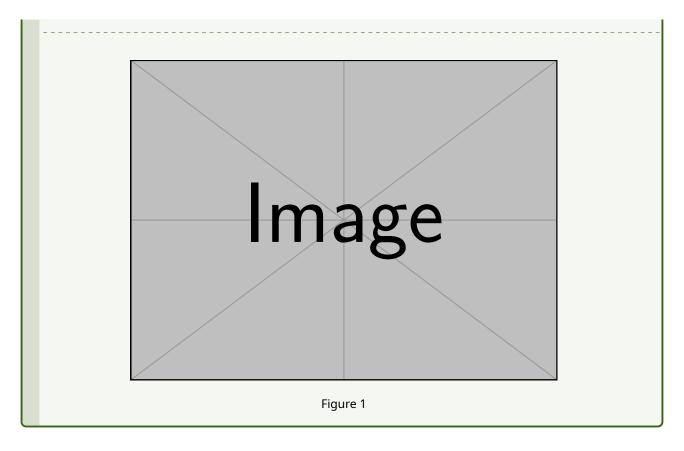
- **♦♦ 1.10 enumitem Control layout of itemize, enumerate, description**
- ♦ 1.11 esint Extended set of integrals for Computer Modern

```
Listing 4.
   \begin{equation*}
     \begin{array}{1}
       \int
                              11
3
       \iint
                              11
4
       \iiint
                              11
5
       \iiiint
                              11
                                                                                [...[
       \idotsint
                              11
                                                                               \phi
       \oint
                              11
                                                                               ∯
       \oiint
                                                                               ∯
       \varoiint
                              11
                                                                               ₫
11
       \sqint
       \sqiint
                              11
12
                                                                               ∰
13
       \ointctrclockwise
                              11
                                                                               ₫
       \ointclockwise
14
                              11
                                                                               ∮
       \varointclockwise
15
                                                                               ∮
       \varointctrclockwise \\
16
                                                                               ∮
       \fint
                              11
17
                                                                               f
       \landupint
                              11
18
                                                                               ∱
       \landdownint
                              11
19
     \end{array}
  \end{equation*}
```

- ♦ 1.12 etoolbox e-TeX tools for LaTeX
- ♦ 1.13 fancyhdr Extensive control of page headers and footers in LaTeX2ε
- **♦♦ 1.14 float Improved interface for floating objects**

```
Listing 5.

1 \begin{figure}[H]
2 \centering
3 \includegraphics{example-image}
4 \caption{}
5 \end{figure}
```



- **♦♦ 1.15 fontspec Advanced font selection in XeLaTeX and LuaLaTeX**
- 1.16 geometry Flexible and complete interface to document dimensions

```
Listing 6.

1 \geometry{
2 hmargin = 20mm,
3 paper = a4paper,
4 vmargin = 25mm,
5 }
```

\$\leftrightarrow\$ 1.17 graphicx - Enhanced support for graphics

listing 5

- **♦♦ 1.18 hyperref Extensive support for hypertext in LaTeX**
- **♦♦ 1.19 import** Establish input relative to a directory

```
Listing 7.

1 \import{<full-path>}{<file>}
2 \subimport{<relative-path>}{<file>}
```

4 1.20 kvoptions - Key value format for package options

♦ 1.21 lastpage - Reference last page for Page N of M type footers

	Listing 8.			
1	Page of \pageref{LastPage}	Page 4 of 7		

♦♦ 1.22 lipsum - Easy access to the Lorem Ipsum and other dummy texts

Listing 9.

1 \lipsum[1]

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

- \$\times 1.23 mathtools Mathematical tools to use with amsmath
- ♦ 1.24 microtype Subliminal refinements towards typographical perfection
- **♦♦ 1.25 multicol** Intermix single and multiple columns
- ♦ 1.26 multirow Create tabular cells spanning multiple rows
- **♦♦ 1.27 mwe Packages and image files for MWEs**

listing 5

- ♦ 1.28 physics Macros supporting the Mathematics of Physics
- 1.29 siunitx A comprehensive (SI) units package

```
Listing 10. Numbers

| \begin{tabular}{1} \
| \num{123} \\ \numlist{10;30;50;70} \\ \| \numproduct{10 x 30} \\ \numrange{10}{30} \\
| \numrange{10}{4} \\
```

```
Listing 11. Angles

1 \ang{1;2;3}

1°2'3"
```

```
Listing 12. Units
1 \begin{tabular}{1}
                                                                       kg m/s^2
     \unit{kg.m/s^2}
                                                  11
                                                                       1.23 \,\mathrm{J}\,\mathrm{mol}^{-1}\,\mathrm{K}^{-1}
     SI{1.23}{J.mol^{-1}.K^{-1}}
                                                  11
3
                                                                       10 m, 30 m and 45 m
     \qtylist{10;30;45}{\metre}
                                                  11
4
     \qtyproduct{10 x 30 x 45}{\metre} \
5
                                                                       10 \text{ m} \times 30 \text{ m} \times 45 \text{ m}
     \qtyrange{10}{30}{\metre}
                                                                       10 m to 30 m
   \end{tabular}
```

♦♦ 1.30 subcaption - Support for sub-captions

1.31 tabularx - Tabulars with adjustable-width columns

♦♦ 1.32 tasks - Horizontally columned lists

\$\left\) 1.33 tcolorbox - Coloured boxes, for LaTeX examples and theorems, etc

```
Listing 15.

1 \begin{tcolorbox}
2 This is a \textbf{tcolorbox}.

3 \end{tcolorbox}

This is a tcolorbox.
```

```
Listing 16.

1 \begin{thm}{Theorem Title}{theorem-label}
This is \cref{thm:theorem-label}.
This is theorem 1.1: Theorem Title
This is theorem 1.1.

Listing 17.

1 \begin{lem}{Lemma Title}{lemma-label}
This is \cref{lem:lemma-label}.
This is \cref{lem:lemma-label}.
This is \cref{lem:lemma-label}.
This is \cref{lem:lemma-label}.
This is \lemma 1.1.
```

♦ 1.34 ulem - Package for underlining

```
Listing 18.
1 \begin{tabular}{1}
                                                          uline
    \uline{uline}
                            11
                                                          <u>uuline</u>
    \uuline{uuline}
                            11
    \uwave{uwave}
                            11
                                                          uwave
    \sout{sout}
                            11
                                                          sout
    \xout{xout}
                            11
                                                          KKKUY
    \dashuline{dashuline} \\
                                                          dashuline
    \dotuline{dotuline}
                                                          dotuline
  \end{tabular}
```



```
Listing 19.

1 \textcolor{red}{red}
2 \fcolorbox{gray}{yellow}{test}

red test
```

♦♦ 1.36 xkeyval - Extension of the keyval package

♦♦ 1.37 xparse - A generic document command parser