

HUMBOLDT-UNIVERSITÄT ZU BERLIN



L^AT_EX for Linguists

L^AT_EX 5: IPA & verbatim

Sebastian Nordhoff & Antonio Machicao y Priemer

www.linguistik.hu-berlin.de/staff/amp

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Transcriptions with IPA

With XeL^AT_EX, you can use **Unicode characters** for your transcriptions:

You can copy the Unicode characters for transcriptions from here:

<http://westonruter.github.io/ipa-chart/keyboard/>

Some **fonts** cannot display all Unicode characters, e.g. try to copy the Unicode characters for the following word and compile using first `lmodern` and then `libertine`.

(1) [ˈʔɛtsəndərə]

The package `tipa` offers commands for transcriptions with IPA, but it is not compatible with all other packages.

```
\usepackage{tipa}
```

tipa provides 3 ways to use IPA characters:

macros:

```
[\textglotstop{}an.\textesh{}\textinvscr{}\texttoptiebar{a\textsci{}}.\textschwa{n}]
```

```
[\textsecstress\textepsilon kspl\textschwa \textprimstress ne\textsci\textesh\textschwa n]
```

(2) [ʔan.ɸ̥aɪ.ən]

(3) [ɛksplə'neɪʃən]

groups of macros:

```
\textipa{[Pan.SK\t{aI}.\@n]}
\textipa{["Ekspɪ@"neɪS@n]}
```

(4) [ʔan.ɸ̥aɪ.ən]

(5) [ɛksplə'neɪʃən]

tipa environment:

```
\begin{IPA}
  [Pan.SK\t{aI}.\@n]

  ["Ekspɪ@"neɪS@n]
\end{IPA}
```

(6) [ʔan.ɸ̥aɪ.ən]

(7) [ɛksplə'neɪʃən]

1 Transcriptions with IPA

2 Verbatim

Verbatim

If you want to **write code**, L^AT_EX provides the `verb` **command** and the `verbatim` **environment**.

```
\verb|\textbf{test}|
```

```
\textbf{test}
```

```
\begin{verbatim}
```

```
\textbf{test}
```

```
\end{verbatim}
```

```
\textbf{test}
```

With the package `listings`, **more options** for verbatim can be specified:

```
\usepackage{listings}

\lstset{
  language=TeX,
  backgroundcolor=\color{lightgray},
  basicstyle={\footnotesize\ttfamily\color{blue}},
  showstringspaces=false,
  columns=flexible
}
```

This package offers an **in-line version** with the `\lstinline` **command** and the `lstlisting` **environment**.

For the in-line version, use **characters as delimiters** for your command `\lstinline` that are not used in your code.

Exercise

Go to
<https://github.com/langsci/latex4linguists/blob/master/3-1.md>
and follow the instructions of **all blocks** in your .tex file.

Internet sources I

- Link: CTAN – The Comprehensive T_EX Archive Network .
<http://www.ctan.org/>
[Access: 02/01/2019]
- Link: The International Phonetic Alphabet (revised to 2005)
<http://westonruter.github.io/ipa-chart/keyboard/>
[Access: 15/01/2019]
- Link: Type IPA phonetic symbols.
<http://ipa.typeit.org/full/>
[Access: 02/01/2019]

Literature I

- Freitag, Constantin & Antonio Machicao y Priemer. 2015. LaTeX-Einführung für Linguisten. Manuscript. <https://www.linguistik.hu-berlin.de/de/staff/amp/latex-einfuehrung>.
- Knuth, Donald E. 1986. *The TeX book*. Boston: Addison-Wesley.
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- Linke, Rona & Alex Linke. 2005. LaTeX für Linguisten: IPA, Glossing und Baumstrukturen. Manuscript. <http://homepage.ruhr-uni-bochum.de/alexander.linke-2/linguistik/LaTeX/>.
- Rei, Fukui. 2004. Tipa manual – version 1.3. *CTAN: Comprehensive TeX Archive Network* <http://www.ctan.org/tex-archive/fonts/tipa/tipa>.