

How to Write a Book for Language Science Press

Guidelines for Authors and L^AT_EX Recommendations

Stefan Müller

DRAFT
of October 26, 2013, 16:13

Lecture Notes in Language Sciences,
No ??



How to Write a Book for Language Science Press

This book contains the guidelines for Language Science Press authors. For those who want to help keeping the production costs low and therefore decided to use \LaTeX it also contains descriptions of packages that can be used for typesetting trees, Attribute Value Matrices, OT-tableaux, Categorical Grammar proofs, LFG analyses, and much more. The setup of typesetting script with special fonts as for instance right to left scripts like Arabic is explained. The \LaTeX chapter also contains sections concerning the efficient workflow in professional typesetting environments using \LaTeX .

Stefan Müller is an experience \LaTeX user who has typeset four published books and several book manuscripts and journal articles.

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Stefan Müller

How to Write a Book for Language Science Press



Lecture Notes in Language Sciences

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How to Write a Book for Language Science Press

Guidelines for Authors and L^AT_EX
Recommendations

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This book is dedicated to everybody who cannot afford
buying books by profit oriented publishers.

Vorwort

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Acknowledgements

This book is typeset with \LaTeX . We thank the \LaTeX developers for their work and the members of the German *German Language TeX Users Group Communication List* and those replying at <http://tex.stackexchange.com> for many usefull hints and suggestions.

Berlin, October 26, 2013

Stefan Müller

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1 Guidelines for Authors

The following sections describe the layout of various items that play a role in typesetting.

1.1 Figures

1.2 Tables

1.3 Crossreferences in the Text

Please use the crossreferencing mechanisms of your text editing/type setting software. Using such crossreferencing mechanisms is less error-prone when you shift text blocks around and in addition all these crossreferences will be turned into hyperlinks between document parts, which makes the final documents much more useful.

1.4 References

We use the *Unified Style Sheet for Linguistics*, which is described here: <http://celxj.org/downloads/UnifiedStyleSheet.pdf>. The B_BT_EX file is contained in the L_AT_EX classes that are used for typesetting Language Science Press books. Please deliver a B_BT_EX file with all your references together with your submissions. B_BT_EX can be exported from all common bibliography tools.

The references in your B_BT_EX file will be typeset correctly automatically. So, provided the B_BT_EX file is correct, authors do not have to worry about this. But there are some things to observe in the main text. Please cite as shown in Table 1.1.

Author	As Saussure (1916: 215) has shown
Work	As was shown in Saussure 1916: 215, this is a problem for ...

Table 1.1: Citation style for Language Science Press

1.5 Checklist

The following is a general checklist for authors. Author who use \LaTeX should also consult the checklist for advanced authors/typesetters in Section 2.9.

2 L^AT_EX

2.1 Installation of the **langsci** Class

The L^AT_EX class for typesetting Language Science Press books was developed by Timm Lichte with help by Berthold Crysmann and me. It can be downloaded from the GitHub repository at: <https://github.com/langsci/latex>

Place all files and subdirectories from this repository into your local working directory (for advanced installations see Section 2.8).

2.2 Using the **langsci** Class

Once you installed the classes in your system, you may look at the file `test.tex` to see how a book can be typeset. The code of this book is available in the directory `Guidelines`. Once you set up your L^AT_EX files you can compile them by calling

```
xelatex yourfilename.tex
```

2.3 Workflow

2.3.1 Compiling the Document

2.3.2 Makefiles

2.3.3 Using Includes

2.4 Document Structure

2.5 Packages specific for Linguistics

2.5.1 Glossed Examples

2.5.2 **jambox**

2.5.3 AVMs

$$word \rightarrow \left[\begin{array}{l} \text{MORPHS} \quad \boxed{e_1} \bigcirc \dots \bigcirc \boxed{e_n} \\ \text{MORSYN} \quad \boxed{0} \left(\boxed{m_1} \uplus \dots \uplus \boxed{m_n} \right) \\ \text{RULES} \quad \left\langle \begin{array}{l} \text{MORPHS} \quad \boxed{e_1} \\ \text{MUD} \quad \boxed{m_1} \\ \text{MORSYN} \quad \boxed{0} \end{array} \right\rangle, \dots, \left\langle \begin{array}{l} \text{MORPHS} \quad \boxed{e_n} \\ \text{MUD} \quad \boxed{m_n} \\ \text{MORSYN} \quad \boxed{0} \end{array} \right\rangle \end{array} \right]$$

2.5.4 Trees


2.5.5 OT Tableaux

Input	Cnstrnt 1	Cnstrnt 2	Cnstrnt 3
candidate 1	*!		
candidate 2		*	
☞ candidate 3			*


```
\begin{tabular}
{ |l|c|c|c| }\hline
& \textbf{Input} & Cnstrnt 1 & Cnstrnt 2 & Cnstrnt 3 \\ \hline
& candidate 1 & *! & & \\ 
& candidate 2 & & * & \\ 
\hand & candidate 3 & & & * \\ 
\end{tabular}
```

\hand ist wie folgt definiert:

```
\usepackage{pifont}
\newcommand{\hand}{\ding{43}}
```

Input	Constraint 1	Constraint 2	Constraint 3
candidate 1	*!		
candidate 2		*	
 candidate 3			*

```
\begin{tabular*}{0.95\textwidth}
{@{\extracolsep{\fill}}|r||c|c|c|}\hline
& \textbf{Input} & \& Constraint 1 & \& Constraint 2 & \& Constraint 3 & \\\hline\hline
& candidate 1 & \& *! & \& & \& & \\\hline
& candidate 2 & \& & \& * & \& & \\\hline
\hand & candidate 3 & \& & \& & \& * & \\\hline
\end{tabular*}
```



/qi/	qi	qi
[qi]		*
[*qi]	*!	

```
\usepackage{pstricks,colortab}

\begin{tabular}[t]{r|c|c|c|}
\cline{2-4}
& /qi/ & & qi & & qi & & \\\hline
\LCC
& & & & \lightgray & & \\\hline\hline
\hand & [qi] & & & & * & \\\hline
& [*qi] & & *! & & & \\\hline
\ECC
\end{tabular}
```

	VO	OV
prefixing	Tagalog	Ma'a
suffixing	Kwakwala	Japanese

```
\begin{tabular}{|l||c|c|} \hline
& VO & & OV & & \\\hline\hline
\LCC
& & & \lightgray & & \\\hline
prefixing & Tagalog & & Ma'a & & \\\hline
\ECC
\LCC
& \lightgray & & & & \\\hline
suffixing & Kwakwala & & Japanese & & \\\hline
\ECC
\end{tabular}
```

2.5.6 Font Issues and Right to Left Scripts

Since we are using X_YL^AT_EX, all fonts that are installed in the canonical font directories can be used. We are using the font `Linux Libertine`, which is unicode-based and contains a lot of the characters linguists want to use.

2.5.6.1 Chinese

- (1) 狗 叫 了。
 gou3 jiao4 le
 dog bark ASP/CRS
 ‘The dog is barking/The dogs are barking.’

```
\usepackage[indentfirst=false]{xeCJK}
\setCJKmainfont{SimSun}

\ea
\glll 狗      叫      了。 \
      gou3    jiao4    le\
      dog     bark     ASP/CRS\
\glt ‘The dog is barking/The dogs are barking.’
\z
```

2.5.6.2 Arabic Script

- (2) U mard rā dust naxāhad dāšt.
 He/she man DOM friend NEG.want have
 ‘He/she will not love the man.’

```
\usepackage{fontspec}\newfontfamily\Parsifont[Script=Arabic]{XB Niloofar}
\usepackage{bidi}
\newcommand{\PRL}[1]{\RL{\Parsifont #1}}

\ea
\PRL{داشت. \X واهد دوست را مرد او}
\gll U mard rā dust naxāhad dāšt.\
      He/she man {\sc dom} friend {\sc neg}.want have\
\glt ‘He/she will not love the man.’
\z
```

2.5.6.3 IPA Symbols

2.6 Bells and Whistles

2.6.1 **varioref**

2.6.2 **german** for Hyphenation

2.6.3 **xspace** and Abbreviations

2.6.4 **todonotes**

2.7 Software

- BibDesk
- JabRef

2.8 Advanced Installation

If you typeset many books for Language Science Press, put the fonts that are contained in the directory `fonts` into your local font directory that is used by \LaTeX . Put the logos from the directory `logos` into the search path for images.

2.8.1 Style Files and Multiple Projects

Pathes, shell variables ...

2.9 Checklist for Typesetters/Authors Using \LaTeX

3 Publication

Language Science Press books are published on the Document Server of the Freie Universität Berlin together with a Print on Demand option.

Authors have to sign a publication contract with the FU Library. The contract is available here in German: <http://edocs.fu-berlin.de/docs/content/main/autoren/vertraege.xml?XSL.lastPage.SESSION=/content/main/autoren/vertraege.xml&lang=en>. This German contract has to be signed, but there is an English translation of it for reference.

Bibliography

Saussure, Ferdinand de. 1916. *Grundfragen der allgemeinen sprachwissenschaft*.
Berlin: Walter de Gruyter & Co. 2nd Edition 1967.