

MGK Workshop - SFB 1412, Berlin

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Reader

ETEX Reader (Freitag & Machicao y Priemer 2019):
https://doi.org/10.13140/RG.2.2.29299.27682

Exercises and Handouts:
https://www.linguistik.hu-berlin.de/de/staff/amyp/latex

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4 Minimal (not) working example

Localise the problem

Localise the problem

If your document does not compile, follow these steps:

• Check the **warnings** your editor is giving you. It normally tells you where the error is.

09-LOT-Debugging_master.vrb Fehler Zeile 12 Misplaced alignment tab character &.

• Was your document compiling before and can you remember the **last changes** you did?

YES Comment the last changes out (with %) and compile again.

• Delete all **auxiliary files** (.aux, .log, .bbl, etc.) and compile. Sometimes, errors are saved in your **auxiliary files** and not deleted after new compilations. That happens very often when you have errors in your .bib file.

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LATEX for Linguists

- If your document is organised with a master file and several input/include files, comment all chapters out and compile. If it works, include your chapters one after another compiling by every step. Doing so, you can localise the problem.
- If your document is not organised with a master file, then comment everything out and start including your text **block by block** compiling by every step.
- If you have localised the position of your problem, but you **don't understand** what the problem is ...
 - ... **google** the **warning** given to you by your editor.
 - If you don't understand the solutions provided by google, or there are no solutions provided, make a **minimal working example** (MWE) and post it.

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LATEX for Linguists

Frequent problems: Syntax error

- You are using a **special character** without escaping their function.
 - (1) & instead of \&
- You have **copied text** from another document (from a PDF or a Word document). Maybe, there is a **hidden special character** that you don't see.
 - (2) a protected blank space or a ligature (f+i)
- You are using **math commands** outside your math mode.
 - (3) \alpha instead of \$\alpha\$

Localise the problem
 Frequent problems: Syntax error
 Frequent problems: Packages
 Minimal (not) working example

You forgot a bracket.

(4) \textbf{Hello World!}

You put too many brackets.

(6) \textbf{I love \LaTeX\} instead of \textbf{I love \LaTeX }
for I love LATeX

 You have closed a simple command with a backslash inside another command, getting the combination backslash + curly bracket.

\textbf{Hello World!}}

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• You have a **nesting problem**. \begin{itemize} \item Itemize list 1 \begin{enumerate} \item Enumerate list 1 end{itemize} \end{enumerate} • You forgot \end{document} or commented it out looking for other errors. % Is the problem here? % \end{document} • You are using commands from packages you haven't loaded. (7) \scalebox{.8}{text} without loading graphics • You have misspelled a command. \begins{itemize} \item test \end{itemize}

LATEX for Linguists You have used two line breaks. This is a sentence. This is a new sentence • You have opened an environment without closing it. \begin{itemize} \item content \section{Trees in LaTeX} • You have opened a **list environment**, but you do not have an item. \begin{itemize} \end{itemize} • You have opened a **list environment**, and you have text before your item command. \begin{itemize} will start a list. \item List 1 end{itemize}

Trequent problems: Packages

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1 Minimal (not) working example

Frequent problems: Packages

• A new package was loaded in the body of your document and not in the preamble.

\begin{document} \usepackage{gb4e}

- A new package was loaded, but you don't have the package in your system (locally installed).
 - (8) avm or jambox are packages that must be downloaded manually and saved in the same folder as your .tex document to be found.
- The package is **not compatible** with your **compiler**.
 - (9) fontspec works with XelTEX, but not with PDFLTEX.

Localise the problem

2 Frequent problems: Syntax error

Frequent problems: Packages

Minimal (not) working example

- The package is not **compatible** with **other packages**.
 - (10) a. linguex is not compatible with gb4e.
 - b. tipa and fontspec don't like each other.
- The **position of the package** is conflicting with other packages or with other commands, because it re-defines commands.

\usepackage{gb4e} \usepackage{forest}

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Minimal (not) working example

- You have **localised** your problem, but you don't know what exactly the problem is, and google is not helping.
- Build a MWE and post it: https://tex.stackexchange.com
- There is no perfect recipe for MWEs: it depends on your **problem** and on your work.
- People should be able to **see**, **copy**, and **compile** your code.

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ATFX for Linguists - Minimal (not) working example

> • Build a new basic document structure: Use a common document class such as standalone and avoid using idiosyncratic document classes like lotdiss.

\documentclass{standalone} \begin{document} \end{document}

- Put the relevant packages and new commands you are using. (But keep it minimal!)
- Include the **text/code** causing the problem. (You have localised it by commenting things out).
- Do not forget to include the packages you need for this text passage, e.g. if it is an example, include your example package (gb4e).
- Replicate your original text compiling it step by step until the error appears. (But keep it minimal: Do not send your complete dissertation!)

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ATEX for Linguists

- Take into account that your error could be in the table of contents, list of figures/tables, or bibliography.
 - Include them as well to see whether your error is there.
- Take into account that many errors occur because of the **conflicting** interaction of packages.
- If you haven't found the source of the problem by creating your MWE, then post it.
- In your **message**, include information about:
 - What you want to achieve, what has (not) happened, what should have happened
 - compiler (e.g.XeLTFX)
 - TFX distribution (TeXLive, MikTeX) and version
 - And copy the error message your editor is giving you.

Here is a **good example** for a MWE:

https://tex.stackexchange.com/questions/470550/url-linebreak

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Internet sources I

 Link: Land Memory Memory Link: Land Memory Me https://www.facebook.com/badness10000/ [Access: 29/07/2018]

• Link: Let me google it for you. https://www.lmgtfy.com [Access: 15/01/2019]

• Link: Frequently Asked Question List for TFX: How to make a "minimum example". https://texfaq.org/FAQ-minxampl

[Access: 15/01/2019] Link: TEX Stack Exchange

https://tex.stackexchange.com • Link: TFX Stack Exchange: URL line break

https://tex.stackexchange.com/questions/470550/url-linebreak [Access: 17/01/2019]

Link: TFX Stack Exchange: What makes a good MWE? https://tex.meta.stackexchange.com/q/3343 [Access: 15/01/2019]

• Link: TEX Stack Exchange: I've just been asked to write a minimal example, what is that? https://tex.meta.stackexchange.com/questions/228/ ive-just-been-asked-to-write-a-minimal-example-what-is-that

 Twitter: TFX Users Group https://twitter.com/texusersgroup [Access: 02/01/2019]

Literature I

Freitag, Constantin & Antonio Machicao y Priemer. 2019. LaTeX-Einführung für Linguisten. Manuscript. https://doi.org/10.13140/RG.2.2.29299.27682.

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[Access: 15/01/2019]

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