

Series Finale

Beyond LaTeX

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Outline

- What Else in LaTeX?
- How to Proceed?
- What Else Can I do with LaTeX?
- LaTeX – a replacement for Office?
- LaTeX Alternatives
- Online References
- A look at Office Products
- Sphinx and Ipython Notebooks – What is it?

What Else in LaTeX?

Intermediate Level

- Macros
- Custom Commands
- More Commands (including audio, video, beamer, etc.,)

Advanced Level

- Diving into TeX Commands
- Making Custom Styles and Classes

How To Proceed?

- Not necessary to learn all commands!
- Learn as per need – That is more than sufficient!
- Make notes, be aware of useful links!
- Make templates and re-use them.

What Else Can I do with LaTeX?

- Resume
- Poster
- Books
- Charts
- Paper/Publication

There are standard templates available for these!

Is LaTeX a Full Replacement for Office?

- No Way!
- Sometimes, working with LaTeX can be tedious for menial works.
- Keep an Office package with you in any case (eg: MS Office, Star Office, Libre Office, Open Office etc.,)
- Use depending on the need and relevance.

LaTeX Alternatives?

- Yes!
- Some WYSIWYG free alternatives (like lyx) is also available.
- Some of them work in a similar manner
- Used by Journals and Publishers
- May have an entirely different setup
- Other companies like have software that can be an alternative
- Almost all of them are paid and expensive!*

*Exceptions possible.

Online References

- CTAN
- Latex-project.org
- Share LaTeX
- Tex.Stackexchange / Stackoverflow
- Texblogs
- Wikibooks on LaTeX
- A lot of Text Books

A look at Office Products

As on today,

- All office products have advanced nicely with a lot of features for mathematical type setting, format alignments etc.,
- There are a few issues – lagging, lack of specific features, change of formats when migrating between systems etc.,
- If used properly, you can get a good quality output

However,

- They cannot completely replace LaTeX's purpose
- So, a reasonable quantity of knowledge in Office products and LaTeX is useful

Sphinx and Ipython Notebooks

- Sphinx is a documentation program developed using python.
 - You can make documentations, articles, reports, webpages, TeX based pdf files etc.,
 - You can also make presentations with them – A good handy tool
 - Worth a try!
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- Ipython Notebooks are digital notebooks for testing python codes in blocks
 - They run in localhost servers, and use HTML (Webframe Work), CSS (Styles), JavaScript and JSON (for web-page backend) for processing the visual display.
 - Useful for making documentations, articles, reports, webpages, TeX based pdf files, presentations etc – Awesome tool
 - Highly recommended for Python Users!

Thank you!