

Forward and Inverse Search with syncTex for Okular and \$Editor=Kile,Vim

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- 1 Basics
- 2 Backward Search - Okular calls Editor
- 3 Inverse Search - Editor calls Okular

What is this?

Imagine you have a source (LaTeX code in an Editor) that is in a way related to an output (pdf in a Viewer)...

- **Forward Search:** Jump to/find the location in the output, that is created by the current line in the source file
- **Inverse Search:** Jump to/open at/find the line in the source that is responsible for the current line in the output

These features can be very helpful...

Setting it up

- You need `synctex` installed
- It is there at the UNIX machines at TU math department
- Add `\synctex=1` to the preamble of the tex-file
- Compile with `pdflatex`

Okular Settings

- In Okular: Settings > Configure Okular > Editor
- for Vim use
 - Dropdown menu: *Custom Text Editor*
 - Command: `gvim --remote-silent +%1 %f`
- for Kile use
 - Dropdown menu: *Kile*
 - Command: `kile --line %1`

And then <Shift+left mouse click> in the text to open/jump to this line in the source code. . .

Kile Calls Okular

In Kile: Settings > Configure Kile > Build > ViewPDF

- In Dropdown menu: Okular Unique
- Command: okular
- Options: `-unique '%target'`

Use the 'ForwardPDF' button in the toolbar to jump to the output at the current cursor position

Vim Calls Okular

Last Comments

- Everything presented is readily available at the UNIX machines at the TU math department
- It works similarly for other editors and viewers
- It should also work for Windows and Mac
- Use web search to find out. . .
- There is a similar package 'pdfsync' but it is considered deprecated
- Thank you for coming