

# swth

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swth – create or manage swathesis documents.

## 1 Synopsis

swth [**options**] *command*

## 2 Description

swth is a tool to manage documents using the swathesis bundle

## 3 Options

- bachelor** operate in BSc mode
- master** operate in MSc mode
- phd** operate in PhD mode
  
- xe** use Xe<sub>La</sub>T<sub>E</sub>X
- pdf** use pdf<sub>La</sub>T<sub>E</sub>X (default)
- lua** use Lua<sub>La</sub>T<sub>E</sub>X
- biber** use Biber instead of BibTeX
  
- help** output this help and exit
- dry-run** don't execute, just say what would be
- version** output version information and exit

## 4 Commands

**create** create swathesis document

**init** put directory under swth management

**bibtex** run bibtex [especially for BSc mode]

**latex** run latex (honors **options** and management file)

**gloss** run makeglossaries [especially for PhD mode]

**show** open result document

**clean** clean auxiliary files

**go** short for latex; bibtex; latex; latex; latex; show

**author** add another author in BSc mode

## 5 Files

**.swth** Controls the master file for L<sup>A</sup>T<sub>E</sub>X operations and certain variables. swth will search up to three levels of parent directories for such a file.

## 6 Bugs

Plenty. Beware of Dragons.

## 7 Examples

### 7.1 Create a new document

```
swth --lua --phd --biber create
```

asks for directory/name/title and create template files, as well as .swth file

### 7.2 Run L<sup>A</sup>T<sub>E</sub>X

```
swth latex
```

run current latex command on current main file, as defined in .swth file

### 7.3 Everything

```
swth go
```

run everything on current main file, as defined in .swth file, showing pdf at the end

## 8 See Also

`latexmk(1)`, `arara`