

polyout user guide

Building multiple outputs
using a single \LaTeX source file

Nathanaël Cottin



contact@ncottin.net
<http://www.latexworks.org>

version 0.3.2

Intended audience

Caution

The lecturer/audience is supposed to be familiar with \LaTeX and its *beamer* class

polyout class purpose

Create multiple outputs from a single source:

- Presentation
- Printable
- Article

polyout mandatory requirements

- $\text{\LaTeX}2\text{e}$
- *beamer* version 3.06 or newer version. Older versions have not been tested yet
- *inputenc*
- *ifthen*
- *ifpdf*
- *fancyhdr*
- *hyperref*
- *gnulicenses*

polyout optional requirements

- *french* when `french` option selected
- *gnulicenses* to use `\makegnufdl` command

polyout complementary requirements

- `polyoutboxes`
- `colortbl`
- ...

Note

Please refer to each package documentation

Examples

Visit LaTeXworks website

Check for examples on the web at
<http://www.latexworks.org>

Declaring *polyout*

```
\documentclass[<options>]{polyout}
```

Modes options

- `presentation`: used to compile this presentation
- `printable`: to create a printable version of the presentation
- `article`: the corresponding article (includes presentation frames)

Complementary options

- `french`: to write in french language (uses `babel`)
- `scientific`: slight changes to default fonts
- `nonavbar`: removes the bottom-righted navigation bar
- `sectiontoc`: table of contents at each section start
- `pnum`: pages numbering in new footline centered box
- `compress`: *beamer* `compress` option
- `fullscreen`: asks to open in fullscreen in presentation mode
- `nosecrestart`: continues sections numbering without taking parts into account
- `twocolumn`: prints two columns in article mode

Current presentation options

Note

This presentation uses `presentation`, `pnum`, `nonavbar`, `scientific` and `fullscreen` options

`Warsaw` theme and my own `orangeade` color theme are also used

Mandatory information set up

- `\title`
- `\author`

Optional information set up

- `\stitle: subtitle`
- `\keywords: list of keywords`
- `\contact: author email`
- `\website: author or institution website URL`
- `\version: document version`
- `\nodate: removes date display`
- `\titlelogo: image to appear in title page`

New commands and environments

- `\articleonly`
- `\presonly`
- `\printonly`
- `\presprintonly`
- `\printarticleonly`
- `\presarticleonly`

New commands and environments (cont'd)

- `\article< * >`
- `\pres< * >`
- `\print< * >`
- `\presprint< * >`
- `\presarticle< * >`
- `\printarticle< * >`

Note

`< * >` (wildcard) may be replaced with `part`, `section`, `subsection` or `subsubsection`

New commands and environments (cont'd)

Aliases are also available:

- `\printpresonly`
- `\articlepresonly`
- `\articleprintonly`
- `\printpres< * >`
- `\articlepres< * >`
- `\articleprint< * >`

New commands and environments (cont'd)

- `\vbtm` **command**
- `\makegnufdl` **command**
- `extrasection` **environment**
- `\extrasubsection` **command**

New commands and environments (ended)

- `\articledot` **command**
- `\presentationdot` **command**
- `\printdot` **command**

Adding parts references

`\parttitle`: references the title of the part. An optional argument sets the part reference

Caution

Must be used within a `\frame` command

Declaring parts

```
\part[<partshorttitle >]
    {<parttitle >}{<partsummary>}
    {<partreference >}{<outlinereference >}
```

where:

- < *partshorttitle* > is the part short title
- < *parttitle* > is the name of the part (same as corresponding `\parttitle` value)
- < *partsummary* > is the part description (may be empty)
- < *partreference* > references the part
- < *outlinereference* > references the part outline

Setting parts images

`\partimage`: associates a part image source file to a part

Parts images placement options

Using `\partimageposition` and `\partimage` optional argument values:

- `l`: bottom-left hand corner
- `c` or empty: centered on the bottom (default value)
- `r`: bottom-right corner

Setting parts image size

`\partimagewidth`: modifies parts images current width

General recommendation

Note

It is recommended to select a single *beamer* theme to remain homogeneous between presentation and printable presentation modes, whereas many color themes may be specified.

Presentation mode personalisation

- *Beamer* theme: `\usetheme` (*beamer's* command)
- *Beamer* color themes: `\usecolorthemes`
- Title image height: `\presentationlogoheight`
- Part table of contents depth: `\parttocdepth`
- Section table of contents depth: `\sectiontocdepth`

Printable presentation mode personalisation

Same as presentation mode

Article mode personalisation

- Space between lines
- Paragraph skipping and indentation
- Page footer image
- Complete page style
- Document version
- Title and footer images heights

Article page style overwritable commands

- `\articlepagestyle`: **article page style (fancy by default)**
- `\makeonesideheader`: **default header for onesided articles**
- `\makeonesidefooter`: **default footer for onesided articles**

Article page style overwritable commands (cont'd)

- `\maketwosideheader`: **default header for twosided articles**
- `\maketwosidefooter`: **default footer for twosided articles**
- `\makepagestyle`: **calls appropriate header and footer layouts makers**

Other overwritable commands

- `\dateandversion`: selects either the current version or the specified date. Please refer to the article version for more information
- `\abstractspacer`: changes the current vertical space before the abstract content

polyout (currently) known limitations

- Extra sections restrictions
- Hyperref `mailto` not supported
- Verbatim not supported within `< * >only` environments
- Special characters use
- Table of contents references cannot be set on both titles and page numbers
- Some *beamer* options not available
- *Beamer* limitations