

polyout user guide

Building multiple outputs
using a single \LaTeX source file

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<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

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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*

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polyout optional requirements

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

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polyout complementary requirements

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

Note

Please refer to each package documentation

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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)

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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

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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`

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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`

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New commands and environments

- `\articleonly`
- `\presonly`
- `\printonly`
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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)

- `\article< * >`
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New commands and environments (cont'd)

Aliases are also available:

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

New commands and environments (cont'd)

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- `\articlepresonly`
- `\articleprintonly`
- `\printpres< * >`
- `\articlepres< * >`
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New commands and environments (cont'd)

- `\vbtm` **command**
- `\makegnufdl` **command**
- `extrasection` **environment**
- `\extr subsection` **command**

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- `\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

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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

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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`

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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

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Article page style overwritable commands

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

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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

Article page style overwritable commands (cont'd)

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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

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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

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