The UUposter class*

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1 Introduction

Making a scientific poster in LaTeX is a non-trivial task, as anyone who has made the attempt is aware. This class makes use of the a0poster base class and the flowfram package for the layout of posters in the style of Uppsala University. It was initially designed for personal use, and the resulting design reflects the aesthetic sensibilities of the author; however, an attempt has been made to make the class as flexible as (reasonably) possible.

2 Usage

The default layout is an a0 poster in portrait orientation, with a light grey sidebar on the left, and a title in red at the top. The university logo will appear in the top left corner (inside the sidebar), followed by author information. The main body of the poster consists of several columns of flowing content. These columns are called *flow frames* in the flowfram package, while the sidebar and title bar are in *static frames*.

No special measures need to be taken to get the contents of your document into the flow frames. Sectioning commands should work normally.

2.1 Floats

You can use floats inside the flow frames, although your results may vary. Wrapping text around floats is not straightforward, as the wrapfig package does not seem to function correctly inside a flow frame. The best option seems to be using the multicol package to make a small section with side-by-side figure and text. Alternately, you can use sidecap to place captions alongside figures, and caption to adjust the formatting.

*This document corresponds to UUposter v0.5, dated 2011/09/20.

2.2 Author and Title

\title The title of the poster is set using `\title {`⟨*title*⟩`}`, just as you would expect.

The author block is less straightforward, unfortunately. You will need to redefine the \uuposterAuthor macro in your document preface, like so:

\uuposterAuthor

```
\renewcommand\uuposterAuthor{
Joseph~Scott\uuposterInst{Dept. of Information Technology,\\University of Uppsala}\\
Someone~Else\uuposterInst{Another Division,\\ Another School}
}
```

The contents of the author block are typeset in a minipage environment, and the \uuposterInst macros create footnotes at the bottom of this minipage. The spacing is optimized for the **sidebar** layout; if you are using the **top** layout, you may need to renew the \uuposterAuthorContent macro to get an author format that works for you. The default author block is generated like this:

\uuposterInst

\uuposterAuthorContent

```
\newcommand\uuposterAuthorContent{%
\begin{minipage}{0.9\logoboxwidth}
\renewcommand{\thempfootnote}{\textcolor{uuposter@fg}{\Large{{\arabic{mpfootnote}}}}}
\uuposterAuthorTextColor\uuposterAuthorTextStyle\uuposterAuthor
\uuposterAuthorFootSkip
\end{minipage}%
}
```

If you rewrite \uuposterAuthorContent, make sure to call \uuposterAuthor inside it, to make the author content appear.

2.3 Style

Inspired by the memoir package, most of the text styling in the class is handled through user-modifiable hooks. For example, the title is typeset by the \uuposterTitle macro, defined like this:

\uuposterTitle

```
\newcommand\uuposterTitle{%
\uuposterBeforeTitle%
\uuposterTitleContent%
\uuposterAfterTitle}
```

\uuposterBeforeTitle
\uuposterAfterTitle
\uuposterTitleContent

By default,\uuposterBeforeTitle and \uuposterAfterTitle are empty commands, while \uuposterTitleContent just calls \maketitle. The user can renew any of these commands in order to get a fine-grained control over the typesetting of the title, though; the author information is typeset in a similar fashion. See the implementation section below for more on what you should be able to modify easily.

\uuposterTitleTextStyle
\uuposterTitleTextColor

Similarly, most font settings are accomplished using macros such as \uuposterTitleTextStyle and \uuposterTitleTextColor . These macros should be changed if you want a different style. For example, to set the title in italics, and reduce the size to huge, you would add this to your preamble:

```
\renewcommand\uuposterTitleTextStyle{\sffamily\itshape\huge}
```

\uuposterBodyTextColor
\uuposterBodyTextStyle

The same approach can be used to change the body text, using `\uuposterBodyTextColor` and `\uuposterBodyTextStyle`.

2.4 Changing the Layout

If you want a completely different layout, you should just use a0poster and flowfram from scratch, as this will almost certainly involve less work than modifying the relatively fixed layout of this class *post hoc*. That having been said, it is perfectly possible to shift the positions of frames, or create new ones, in your document's preamble. Unfortunately, this involves some calculations to get things to look good. If you're interested in adding a non-overlapping frame to a UUposter, I suggest that you read the flowfram manual.[1]

2.5 Bibliography

Support for including a bibliography is limited, but you shouldn't need a fancy bibliography on a poster anyway... Anyway, including the **bib** option will create a static frame (`bibframe`) at the bottom of the poster. By default, it is `3\baselineskip` in height, and is offset from the bottom of the text frames by `1\baselineskip`, but both of those values are adjustable. This will, of course, make the text frames shorter.

There is a bibtex style file (UUposter.bst) included with the package that will make for relatively short bibliographic entries, but I make no guarantees that it will handle strange cases well. If you want to use it, you'll need to copy it somewhere that your TEXcan find it (try ~/Library/texmf/bibtex/bst/ if you're using MacTex). Not knowing what your bibtex file is named, the class cannot be responsible for filling `bibframe`, so you'll need to do that yourself with something like this in the body of your document:

```
\begin{staticcontents*}{bibframe}\footnotesize
\bibliographystyle{UUposter}
\bibliography{bibtexfilename}
\end{staticcontents*}
```

3 Options

Any unrecognized options are assumed to be intended for the a0poster class.

xetex Load the UUxetex package (included with this distribution) in order to utilize the Uppsala University standard fonts: Berling (serif) and Gill Sans Alt One (sans). Note that both of these fonts must be installed on your system if you wish to use them. They are not distributed with this package, but are licensed by the University for official use, and are available to employees from the Office of Graphics and Printing website. Passing this option

[1] Or at the very least, read Nicola Talbot's web page at `http://theoval.cmp.uea.ac.uk/~nlct/latex/posters/`

ensures that fontspec, etc., are loaded before flowfram; loading XeTeX font handling packages after flowfram will break the layout of the poster.

notimes, nohelvet When not using fontspec to load the University fonts, the class will normally use the approved fallbacks (namely, Times and Helvetica). These options allow you to prevent the loading of one or both of these fonts.

nomathtools By default, the incredibly useful mathtools package is loaded, which in turn loads the AMS math packages. Rude, I know, but mathtools works best if loaded before unicode-math, which gets loaded by this class if you are using the **xetex** option, because *that* needs to get loaded before flowfram... I think you see where this is going. If mathtools bugs you, you can switch it off.

mathtools={⟨*options*⟩} On the other hand, this option allows you to pass options along to mathtools, and by extension on to the amsmath package. See the mathtools documentation for details.

red, grey, gray Choose the background color of the info bar. These options in turn imply a contrasting font color for the info bar (black text on a grey background, white text on a red background) and make an initial logo selection (four color on the grey background, white on the red background). You can override either of these choices by passing the appropriate options, just make sure to pass those options *after* choosing the info bar color; otherwise your custom choice will be overridden. Note that the only difference between **gray** and **grey** lies in the conscience of the user.

top By default, an information bar with contrasting background color is placed on the (left) side of the poster. If you would prefer to have a contrasting bar at the top, this is the option for you. This will result in several alterations to the layout of the poster. The title remains at the top of the poster in either case, although its color will change (red by default if the contrasting bar is at the side; whatever the foreground color of the bar is if the bar is at the top). The author prefers a sidebar, so unfortunately **top** may be less well supported. You may need to tweak a couple of macros to get it looking just the way you want it (especially `\uuposterAuthorContent`)...

landscape, portrait Orientation of the poster. The default is **portrait**, and that is the better supported option; nevertheless, effort has been made to adjust measurements appropriately when **landscape** is selected.

columns=⟨*num*⟩ The number of columns in the main body (that is, exclusive of the sidebar). Default is 2 columns for portrait and 3 for landscape; make sure to specify the **column** option *after* choosing the orientation if you want to override these defaults.

ruled Places a vertical rule between each pair of columns in the main body. This is intended as a convenience method, but since the placement of these rules is determined at class load, no document specific alterations to the

layout of the flow frames can be taken into account here. If you are manually changing any part of the poster layout (such as adding a static text box at the footer), you should also add the rules yourself, either by calling `\uuposterInsertVerticalRules` in the document preface after you've made any layout changes, or by using the `\insertvrule` macro of the flowfram package.

logo=⟨*type*⟩ Select the logo icon, where ⟨*type*⟩ is one of **4f** (four color), **2f** (two color), **sv** (black), or **vit** (white). The default depends on the background color of the info bar (see above).

sigil=⟨*type*⟩ Select a sigil to be used in the background. The default is to have no sigil. ⟨*type*⟩ may be one of:

NW, NE, SW, SE A roughly quarter-circle sigil in 10% grey will be placed in the corresponding corner (i.e., northwest, northeast, etc.). **NOTE: southeast (SE) is currently the only supported option here, and the image file used for that logo is quite large. Using this option will result in both larger file sizes and slower typesetting. Will fix in a future version as time permits.**

margin Place a 5% grey partial sigil in the colored info bar (at the bottom of the sidebar, or at the right of a top bar—although at the moment only the sidebar is supported).

sigilwidth=⟨*num*⟩ Width of the sigil, in terms of `\textwidth`. In other words, the default value of 0.5 corresponds to a sigil that is `0.5\textwidth` wide. This applies only to corner sigils; marginal sigils are always the width of the info bar.

sidebarwidth=⟨*num*⟩ Width of the sidebar, as a proportion of `\textwidth`. This option is ignored when **top** is selected.

titleheight=⟨*num*⟩ The height of the title bar (default is 6em). Also the height of the info bar when **top** is active.

math,noxits,serif,sans These option are passed directly to UUxetex, and are meaningless if that package is not loaded. See package documentation for details.

bib Include a static frame at the bottom of the page for the bibliography. The frame will be named `bibframe`, and will be the width of the combined text columns (although you can change that yourself, using something like `\setstaticframe*{bibframe}{width=\dots}`).

biblines=⟨*num*⟩ Height of bibliography, as a product of `\baselineskip`

biboffset=⟨*num*⟩ Distance between bottom of text columns and top of bibliography, as a product of `\baselineskip`.

4 Implementation

4.1 Options

Using xkeyval for key, value pair processing.

```
\RequirePackage{xkeyval}
\newif\if@uuposter@xetex
\newif\if@uuposter@times
\@uuposter@timestrue
\newif\if@uuposter@helvet
\@uuposter@helvettrue
\newif\if@uuposter@mathtools
\@uuposter@mathtoolstrue
\newif\if@uuposter@red
\newif\if@uuposter@grey
\newif\if@uuposter@top
\newif\if@uuposter@landscape
\newif\if@uuposter@ruled
\newif\if@uuposter@sigil@corner
\newif\if@uuposter@sigil@margin
\newif\if@uuposter@sigil@left
\newif\if@uuposter@sigil@right
\newif\if@uuposter@sigil@top
\newif\if@uuposter@sigil@bottom
\newlength\logoboxwidth
\newlength\uuposter@TitleHeight
\newif\if@uuposter@TitleHeightSet
\DeclareOptionX{xetex}{\@uuposter@xetextrue}
\DeclareOptionX{notimes}{\@uuposter@timefalse}
\DeclareOptionX{nohelvet}{\@uuposter@helvetfalse}
\DeclareOptionX{nomathtools}{\@uuposter@mathtoolsfalse}
\DeclareOptionX{mathtools}[]{\PassOptionsToPackage{mathtools}{#1}}
\DeclareOptionX{red}{
\@uuposter@redtrue
\@uuposter@greyfalse
\ExecuteOptionsX{logo=vit}
}
\DeclareOptionX{grey}{
\@uuposter@redfalse
\@uuposter@greytrue
\ExecuteOptionsX{logo=4f}
}
\DeclareOptionX{gray}{
\@uuposter@redfalse
\@uuposter@greytrue
\ExecuteOptionsX{logo=4f}
}
\DeclareOptionX{top}{\@uuposter@toptrue}
\DeclareOptionX{landscape}{
\ExecuteOptionsX{sidebarwidth=0.1,columns=3}
```

```
\@uuposter@landscapetrue
}
\DeclareOptionX{portrait}{
\ExecuteOptionsX{sidebarwidth=0.20,columns=2}
\@uuposter@landscapefalse
}
\DeclareOptionX{columns}[2]{\def \uuposter@columns {#1}}
\DeclareOptionX{ruled}{\@uuposter@ruledtrue}
\DeclareOptionX{logo}[4f]{\def\uuposter@LogoInclude{\includegraphics[width=\logoboxwidth]{UU_lo
\newcommand{\uuposterSigil}{}
\define@choicekey+{UUposter.cls}{sigil}[\val\nr]{NW,NE,SW,SE,margin}[SE]{
\ifcase\nr\relax
\renewcommand{\uuposterSigil}{\includegraphics[width=\sigilwidth]{UU_sigill_SO_10Svart}}
\@uuposter@sigil@cornertrue
\@uuposter@sigil@marginfalse
\@uuposter@sigil@toptrue
\@uuposter@sigil@lefttrue
\@uuposter@sigil@bottomfalse
\@uuposter@sigil@rightfalse
\or
\renewcommand{\uuposterSigil}{\includegraphics[width=\sigilwidth]{UU_sigill_SV_10Svart}}
\@uuposter@sigil@cornertrue
\@uuposter@sigil@marginfalse
\@uuposter@sigil@toptrue
\@uuposter@sigil@righttrue
\@uuposter@sigil@bottomfalse
\@uuposter@sigil@leftfalse
\or
\renewcommand{\uuposterSigil}{\includegraphics[width=\sigilwidth]{UU_sigill_NO_10Svart}}
\@uuposter@sigil@cornertrue
\@uuposter@sigil@marginfalse
\@uuposter@sigil@bottomtrue
\@uuposter@sigil@lefttrue
\@uuposter@sigil@topfalse
\@uuposter@sigil@rightfalse
\or
\renewcommand{\uuposterSigil}{\includegraphics[width=\sigilwidth]{UU_sigill_NV_10Svart}}
\@uuposter@sigil@cornertrue
\@uuposter@sigil@marginfalse
\@uuposter@sigil@bottomtrue
\@uuposter@sigil@righttrue
\@uuposter@sigil@topfalse
\@uuposter@sigil@leftfalse
\or
\@uuposter@sigil@margintrue
\@uuposter@sigil@cornerfalse
\renewcommand{\uuposterSigil}{\includegraphics[width=\sigilwidth]{UU_marginalsigill_5Svart}}
\fi
}{\ClassWarning{UUposter}{Ignoring unrecognized value for option 'sigil' (valid options: NW,NE,
\DeclareOptionX{sigilwidth}[0.5]{\def\sigilproportion{#1}}
```

```
\DeclareOptionX{sidebarwidth}[0.2]{\def\sidebarproportion{#1}}
\DeclareOptionX{titleheight}[6em]{
\@uuposter@TitleHeightSettrue
\setlength\uuposter@TitleHeight{#1}
}
\DeclareOptionX{math}{\PassOptionsToPackage{\CurrentOption}{UUxetex}}
\DeclareOptionX{noxits}{\PassOptionsToPackage{\CurrentOption}{UUxetex}}
\DeclareOptionX{serif}{\PassOptionsToPackage{\CurrentOption}{UUxetex}}
\DeclareOptionX{sanserif}{\PassOptionsToPackage{\CurrentOption}{UUxetex}}
\newif\if@uuposter@hasbib
\DeclareOptionX{bib}{\@uuposter@hasbibtrue}
\DeclareOptionX{biblines}[3]{\def\uuposter@biblines{#1}}
\DeclareOptionX{biboffset}[1]{\def\uuposter@biboffset{#1}}
\DeclareOptionX*{\PassOptionsToClass{\CurrentOption}{a0poster}}
\ExecuteOptionsX{grey,sigilwidth,portrait,biblines,biboffset}
\ProcessOptionsX\relax
```

4.2 Base Class

```
\if@uuposter@landscape
\PassOptionsToClass{landscape}{a0poster}
\else
\PassOptionsToClass{portrait}{a0poster}
\fi
\LoadClass{a0poster}
```

4.3 Misc. packages

```
\if@uuposter@mathtools
\RequirePackage{mathtools}
\fi
\if@uuposter@xetex
\RequirePackage{UUxetex}
\else
\if@uuposter@times
\RequirePackage{times}
\fi
\if@uuposter@helvet
\RequirePackage{helvet}
\fi
\fi
```

`xcolor` At the moment only red and light grey are actually used. I copied these values from the uu beamer theme, incidentally.

```
\RequirePackage{xcolor}
\definecolor{uuposterred}{RGB}{153,0,0}
\definecolor{uuposterlightgrey}{RGB}{230,230,230}
\definecolor{uupostermidgrey}{RGB}{190,190,190}
\definecolor{uuposterdarkgrey}{RGB}{130,130,130}
\if@uuposter@red
\definecolor{uuposter@bg}{named}{uuposterred}
```

```
\definecolor{uuposter@fg}{named}{white}
\else
\if@uuposter@grey
\definecolor{uuposter@bg}{named}{uuposterlightgrey}
\definecolor{uuposter@fg}{named}{black}
\fi
\fi
```

`footmisc` The footmisc package is used to fix footnotes in the sidebar minipage:

```
\RequirePackage[hang,norule,multiple]{footmisc}
\setlength{\footnotemargin}{2em}
```

```
\RequirePackage{graphicx}
```

`forloop` Using the forloop package just for this seems ridiculous, so I don't:

```
\RequirePackage{ifthen}
\newcommand{\forloop}[5][1]{%
\setcounter{#4}{#2} %
\ifthenelse{ \value{#4}<#3 }%
{%
#5 %
\addtocounter{#4}{#1} %
\forloop[#1]{\value{#4}}{#3}{#4}{#5} %
}{%
#5 %
}}%
```

4.4 Flow frame layout

The flowfram package is used to control the poster layout:

```
\RequirePackage{flowfram}
```

`\vcolumnsep` is the space between two vertical columns. For consistency, this value is used several other places in the layout, so changing it may move more things than you expect. Still, any small value should work out OK. `\columnsep` defaults to the same value, but doesn't get used nearly as often.

```
\setlength{\vcolumnsep}{2\baselineskip}
\setlength{\columnsep}{2\baselineskip}
```

These lengths are mostly dependent on a combination of orientation (portrait vs. landscape) and layout (top vs. side). You should be able to control them pretty well with the class options, but in a pinch you can modify them directly.

```
\newlength\sidebarwidth
\newlength\sidebaroffset
\setlength{\sidebarwidth}{\sidebarproportion\textwidth}
\setlength{\logoboxwidth}{\sidebarwidth}
\addtolength{\logoboxwidth}{-\columnsep}
\newlength\logoboxoffset
\setlength{\logoboxoffset}{\columnsep}
\if@uuposter@TitleHeightSet
```

```
\if@uuposter@top
\setlength{\logoboxwidth}{\uuposter@TitleHeight}
\addtolength{\logoboxwidth}{-\vcolumnsep}
\fi
\else
\setlength\uuposter@TitleHeight{\logoboxwidth}
\addtolength{\uuposter@TitleHeight}{-2\logoboxoffset}
\@uuposter@TitleHeightSettrue
\fi
\if@uuposter@top
\setlength{\sidebarwidth}{0pt}
\setlength{\sidebaroffset}{0pt}
\else
\setlength{\sidebaroffset}{\sidebarwidth}
\addtolength{\sidebaroffset}{\vcolumnsep}
\fi

\newlength\sigilwidth
\if@uuposter@sigil@margin
\if@uuposter@top
\setlength{\sigilwidth}{\uuposter@TitleHeight}
\else
\setlength{\sigilwidth}{\sidebarwidth}
\fi
\fi
\if@uuposter@sigil@corner
\setlength{\sigilwidth}{\sigilproportion\textwidth}
\newlength\sigiloffsetx
\newlength\sigiloffsety
\if@uuposter@sigil@right
\setlength{\sigiloffsetx}{\textwidth}
\addtolength{\sigiloffsetx}{-\sigilwidth}
\else \if@uuposter@sigil@left
\setlength{\sigiloffsetx}{\sidebarwidth}
\fi \fi
\if@uuposter@sigil@bottom
\setlength{\sigiloffsety}{0pt}
\else \if@uuposter@sigil@top
\setlength{\sigiloffsety}{\textheight}
\addtolength{\sigiloffsety}{-\sigilwidth}
\fi \fi
\newstaticframe{\sigilwidth}{\sigilwidth}{\sigiloffsetx}{\sigiloffsety}[background]
\setstaticframe*{background}{valign=b}
\fi
\newlength\mainwidth
\setlength{\mainwidth}{\textwidth}
\addtolength{\mainwidth}{-\sidebaroffset}
\Ncolumntopinarea{static}{\uuposter@columns}{\uuposter@TitleHeight}{\mainwidth}{\textheight}{\s
\if@uuposter@sigil@corner
\setstaticframe{2}{label={title}}
```

```
\else
\setstaticframe{1}{label={title}}
\fi
\newlength\uupostercolwidth
\getflowbounds{1}
\setlength{\uupostercolwidth}{\ffareawidth}

\newstaticframe{\sidebarwidth}{\textheight}{0pt}{0pt}[sidebar]
\newlength\authoroffset
\if@uuposter@top
\setstaticframe*{title}{backcolor=uuposter@bg}
\getstaticbounds*{title}
\newstaticframe{\logoboxwidth}{\ffareaheight}{0pt}{\ffareay}[logobox]
\setlength{\authoroffset}{\textwidth}
\addtolength{\authoroffset}{-\logoboxwidth}
\newstaticframe{\logoboxwidth}{\ffareaheight}{\authoroffset}{\ffareay}[authorbox]
\addtolength{\authoroffset}{-\logoboxwidth}
\newstaticframe{\authoroffset}{\ffareaheight}{\logoboxwidth}{\ffareay}[titlebox]
\else
\setstaticframe*{sidebar}{backcolor=uuposter@bg}
\if@uuposter@landscape
\setlength{\authoroffset}{3em}
\else
\setlength{\authoroffset}{6em}
\fi
\fi

```

4.5 Bibliography

Create a bibliography frame at the bottom of the page if requested. There is an assumption here that the height of all the flow frames are equal, so using the height of just the first frame makes sense for all of them.

```
\if@uuposter@hasbib
\newlength{\bibframeheight}
\setlength{\bibframeheight}{\uuposter@biblines\baselineskip}
\newlength{\biboffset}
\setlength{\biboffset}{\bibframeheight}
\addtolength{\biboffset}{\uuposter@biboffset\baselineskip}
\computeflowframearea{1,\uuposter@columns}
\addtolength{\ffareaheight}{-\biboffset}
\newcounter{maincol}
\setcounter{maincol}{1}
\forloop{1}{\uuposter@columns}{maincol}{%
\setflowframe{\themaincol}{y=\biboffset,height=\ffareaheight}
}
\newlength{\bibframewidth}
\setlength{\bibframewidth}{\ffareawidth}
\newstaticframe{\bibframewidth}{\bibframeheight}{\ffareax}{0in}[bibframe]
```

```
\setstaticframe*{bibframe}{border=plain}
\renewcommand{\refname}{}
\fi
```

4.6 Vertical Rules

\uuposterInsertVerticalRules Insert a vertical rule between every pair of flow frames:

```
\newcommand\uuposterInsertVerticalRules{
\newcounter{firstcol}
\setcounter{firstcol}{1}
\newcounter{secondcol}
\forloop{2}{\uuposter@columns}{secondcol}{%
\insertvrule{flow}{\thefirstcol}{flow}{\thesecondcol}
\addtocounter{firstcol}{1}
}
}

\if@uuposter@ruled
\uuposterInsertVerticalRules
\fi
\setallstaticframes{valign=t}
```

4.7 Title

\uuposterTitleTextColor \uuposterTitleTextStyle Color and style of title text. Default color is UU red unless the top bar is colored, in which case the default foreground color is used instead.

```
\newcommand\uuposterTitleTextColor{%
\if@uuposter@top
\color{uuposter@fg}%
\else
\color{uuposterred}%
\fi%
}
\newcommand\uuposterTitleTextStyle{%
\sffamily\bfseries\veryHuge%
}
```

\maketitle This is called by \uuposterTitleContent. You probably don't need to modify this directly, but feel free.

```
\renewcommand\@maketitle{%
  \raggedright%
  \let \footnote \thanks
    {%
    \uuposterTitleTextColor%
\uuposterTitleTextStyle%
    \@title \par}%
  \par
  }

```

Modify these macros to control the placement of the title:

\uuposterBeforeTitle

```
\newcommand\uuposterBeforeTitle{}
```

\uuposterTitleContent

```
\newcommand\uuposterTitleContent{\maketitle}
```

\uuposterAfterTitle

```
\newcommand\uuposterAfterTitle{}
```

\uuposterTitle

```
\newcommand\uuposterTitle{%
\uuposterBeforeTitle%
\uuposterTitleContent%
\uuposterAfterTitle}
```

4.8 Author

\uuposterAuthor Override this to set the author content in the document:

```
\newcommand\uuposterAuthor{}
```

\uuposterAuthorBlock

```
\newcommand{\uuposterAuthorBlock}{%
\uuposterBeforeAuthor%
\uuposterAuthorContent%
\uuposterAfterAuthor%
}
```

\uuposterAuthorFootSkip The space between the list of authors and the list of institutions:

```
\newcommand\uuposterAuthorFootSkip{%
\if@uuposter@top
\vspace{0.5\baselineskip}
\else
\vspace{\baselineskip}
\fi%
}
```

\uuposterAuthorOffset The space above the author list.

```
\newlength\uuposterAuthorOffset
\if@uuposter@top
\setlength{\uuposterAuthorOffset}{0pt}
\else
\if@uuposter@landscape
\setlength{\uuposterAuthorOffset}{3em}
```

```
\else
\setlength{\uuposterAuthorOffset}{6em}
\fi
\fi
```

`\uuposterBeforeAuthor` Create a little space above the author list. Alternately, if a sigil is in the sidebar, let the authors float between the bottom of the logo and the top of the sigil.

```
\newcommand\uuposterBeforeAuthor{%
\if@uuposter@sigil@margin
\vfill
\else
\vskip \uuposterAuthorOffset
\fi%
}
```

`\uuposterAuthorTextColor` Color of the author text.

```
\newcommand\uuposterAuthorTextColor{\color{uuposter@fg}}
```

`\uuposterAuthorTextStyle` Style of the author text. You may need to make this smaller if you shrink the sidebar.

```
\newcommand\uuposterAuthorTextStyle{\sffamily\Large}
```

`\uuposterAuthorContent` This works well for the sidebar, even with a large number of authors. Squeezing several authors into the top bar may require a bit of creativity, though.

```
\newcommand\uuposterAuthorContent{%
\begin{minipage}{0.9\logoboxwidth}
\renewcommand{\thempfootnote}{\textcolor{uuposter@fg}{\Large{{\arabic{mpfootnote}}}}}
\uuposterAuthorTextColor\uuposterAuthorTextStyle\uuposterAuthor
\uuposterAuthorFootSkip
\end{minipage}%
}
```

`\uuposterAfterAuthor`

```
\newcommand\uuposterAfterAuthor{}
```

`\uuposterInstTextStyle`

```
\newcommand\uuposterInstTextStyle{\large\sffamily}
```

`\uuposterInstTextColor`

```
\newcommand\uuposterInstTextColor{\uuposterAuthorTextColor}
```

`\uuposterInst`

```
\newcommand{\uuposterInst}[1]{%
\footnote{\uuposterInstTextColor\uuposterInstTextStyle{#1}}%
}
```

4.9 Logo

\uuposterBeforeLogo

```
\newcommand\uuposterBeforeLogo{%
\vspace{\logoboxoffset}
}
```

\uuposterLogoContent

```
\newcommand\uuposterLogoContent{\uuposter@LogoInclude}
```

\uuposterAfterLogo

```
\newcommand\uuposterAfterLogo{}
```

\uuposterLogo

```
\newcommand\uuposterLogo{%
\uuposterBeforeLogo%
\uuposterLogoContent%
\uuposterAfterLogo%
}
```

4.10 Sectioning Commands

\uuposterSectionTextColor
\uuposterSectionTextStyle
\uuposterSubSectionTextColor
\uuposterSubSectionTextStyle
\section
\subSection

```
\newcommand\uuposterSectionTextColor{\color{black}}
\newcommand\uuposterSectionTextStyle{\sffamily\Huge}
\newcommand\uuposterSubSectionTextColor{\uuposterSectionTextColor}
\newcommand\uuposterSubSectionTextStyle{\sffamily\huge}
\renewcommand\section{%
\@startsection{section}{1}{\z@}%
              {-3ex \@plus -1ex \@minus -.2ex}%
              {2.3ex \@plus.2ex}%
              {\uuposterSectionTextColor\uuposterSectionTextStyle}}
\renewcommand\subsection{%
\@startsection{subsection}{2}{\z@}%
              {-2.25ex\@plus -1ex \@minus -.2ex}%
              {1ex \@plus .2ex}%
              {\uuposterSubSectionTextColor\uuposterSubSectionTextStyle}}
```

\uuposterBodyTextStyle
\uuposterBodyTextColor

```
\newcommand\uuposterBodyTextStyle{\normalsize}
\newcommand\uuposterBodyTextColor{\color{black}}

\hyphenpenalty 10000
\tolerance 5000
```

4.11 Document Contents

None of this gets generated until the document begins, so any changes you make in the preamble should take effect here:

```
\AtBeginDocument{%
\if@uuposter@sigil@corner
\begin{staticcontents*}{background}
\raggedleft
\uuposterSigil
\end{staticcontents*}
\fi
\if@uuposter@top
\begin{staticcontents*}{titlebox}%
\uuposterTitle%
\end{staticcontents*}
\begin{staticcontents*}{logobox}
\uuposterLogo
\end{staticcontents*}
\begin{staticcontents*}{authorbox}
\uuposterAuthorBlock
\end{staticcontents*}
\else
\begin{staticcontents*}{title}%
\uuposterTitle%
\end{staticcontents*}
\begin{staticcontents*}{sidebar}
\begin{center}
\uuposterLogo
\uuposterAuthorBlock
\end{center}
\if@uuposter@sigil@margin
\vfill
\uuposterSigil
\fi
\end{staticcontents*}
\fi
\uuposterBodyTextColor\uuposterBodyTextStyle%
}
```

Change History

0.1b

General: Initial Version 1

0.2b

General: xetex driver optional, changed image files 1

0.3b

General: Ruled option now supports variable number of columns 1

0.4b

General: fixed header height calcu-

lation in landscape mode 1
0.5
General: Added the option for a bibliography frame at the bottom. 11
Moved to .dtx .ins structure, documented source file 1
\uuposterInsertVerticalRules: Made the insert rules macro user accessible 12

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Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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