Beamer template/reference

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Resources

- `https://kbroman.wordpress.com/2013/10/07/better-looking-latexbeamer-slides/`
- `sharelatex.com/learn/Beamer`

Make title slide

```
\title{\textbf{Presentation title}}
%\subtitle{My subtitle}
\date{\textbf{\today}}
\author{\textbf{Laurel Farris}}
...
\begin{frame}
    \titlepage{}
\end{frame}
```

Common Fonts

- mathptmx
- helvet
- avat
- bookman
- chancery
- charter
- culer
- mathtime
- mathptm
- newcent
- palatino
- pifont
- utopia

Font styles

Change actual font:

```
\usepackage{selinput}
\usepackage{lmodern}
\usepackage{libertine}
```

Change style of font:

```
\usefonttheme{serif}
\usefonttheme{default}
\usefonttheme{professionalfonts}

\setbeamerfont{frametitle}{series=\bfseries}
```

Font sizes

`size = {\fontsize{a}{b}\selectfont` a $=$ font size in pt., b $=$ line space in pt.

Font colors

```
\setbeamercolor{background canvas}{fg=brown}
\setbeamercolor{title}{fg=brown}
\setbeamercolor{frametitle}{fg=brown}
\setbeamercolor{framesubtitle}{fg=brown}
\setbeamercolor{block title}{fg=brown}
\setbeamercolor{normal text}{bg=black, fg=yellow}
```

Make background image for one frame only

```
{\usebackgroundtemplate{\includegraphics[width=\paperwidth]
    {awesome.jpg}}
\begin{frame}
    \titlepage{}
\end{frame}}
```

Centering

```
\begin{frame}[c]{ }
    \centering
\end{frame}
```

\centering centers *horizontally*
The [c] option centers *vertically*

Lists

```
\setbeamertemplate{itemize items}[circle]
\setbeamertemplate{itemize items}{$\bullet}

\setbeamercolor{itemize item}{fg=color}
\setbeamercolor{itemize subitem}{fg=color}
\setbeamercolor{enumerate item}{fg=color}
\setbeamercolor{enumerate subitem}{fg=color}
```

Blocks

```
\setbeamercolor{block title}{fg=brown}
\begin{block}{\centering block_title}
```

Text blocks

```
\begin{textblock}{<hsize>}{<hpos>,<vpos>}
\setlength{\TPHorizModule}{<dimen>}
\setlength{\TPVertModule}{<dimen>}
```

$<dimen>$ is typically 1 cm.

Columns

```
\begin{columns}[t]
    \column{0.5\textwidth}
    \column{0.5\textwidth}
\end{columns}
```

labelling frame numbers

```
\setbeamertemplate{footline}{%
    \raisebox{5pt}{\makebox[\paperwidth]{\hfill\makebox[10pt]{%
    \scriptsize\insertframenumber}}}}
\setbeamercolor{footline}{fg=color}
...
\begin{document}
```

Graphics

```
\DeclareGraphicsExtensions{.pdf,.png,.jpg}
```
In order of preference. Don't include extension when inserting graphics.
Compilers will automatically look for images with these extensions.
Image on title slide background:

```
{\usebackgroundtemplate{\includegraphics[width=\paperwidth]
    {awesome.jpg}}
\begin{frame}
    \titlepage{}
\end{frame}}
```

Put nice little frame around graphic.

```
    \framebox{\includegraphics[width=1.5in]{kink_saus.png}}
```

Let big graphic take up more of frame.

```
\newcommand\Wider[2][3em]{%
    \makebox[\linewidth][c]{%
        \begin{minipage}{\dimexpr\textwidth+#1\relax}
            \raggedright#2
        \end{minipage}%
    }%
}
...
\begin{block}{}
\Wider[4em]{%
\begin{center}
    \includegraphics[width=\textwidth]{test2.png}
\end{center}}
\end{block}
```

Figure Template(???)

Other options:

```
width=xx[cm][in]  preferred width
width=\linewidth scale wrt width of a line in the local env.
height=xx         preferred height
height=\textheight  scale wrt to height of text on page
keepaspectratio   set to true or false, only change w or h!!
scale=xx          2 to double, .5 to reduce by half, etc.
angle=xx          rotates image by xx degrees (cc)
trim=l b r t      crop image by l from left, b from bottom, etc.
                      e.g. trim=0 1 0 2 to only trim t and b?
clip              set clip=true for 'trim' option to work
page=x            for pdfs with multiple pages
resolution=x      specify image resolution in dpi
```

Tables

	period	wavelength	velocity
kink osc	value	value	value
sausage osc	value	value	value
acoustic osc	value	value	value
acoustic waves	value	value	value
fast waves	value	value	value
torsional modes	10 m	value	1000 km s^{-1}

Example Table

```
\begin{center}
  \begin{tabular}{cc|c|c|}
row 1
  \cline{3-4} & & \multicolumn{2}{|c|}{Condition (Gold standard)}\\
row 2
  \cline{3-4} & & True & False \\
  \hline
row 3 (and 4) - multirow
  \multicolumn{1}{|c|} % add in vertical lines
  {\multirow{2}{*}{Test outcome}}& % Text covers rows 3 and 4
row 3
  \multicolumn{1}{|c|}{Positive} %
    & True Positive \cellcolor{green} & False Positive\cellcolor{red}\
row 4
  \cline{2-4} \multicolumn{1}{|c|}{}
    & \multicolumn{1}{|c|}{Negative}
    & False Negative\cellcolor{red} & True Negative \cellcolor{green}\
   \hline
   \end{tabular}
\end{center}
```

Example table

	period	wavelength	velocity
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