

GOTHAM

A modern, minimal-ish, versatile and extendable theme
for Beamer

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1 Introduction

Beamer is an awesome way to make presentations with \LaTeX , but its theme selection is surprisingly sparse. The stock themes share an aesthetic that can be a little cluttered, while the few distinctive custom themes available are often specialized for a particular corporate or institutional brand.

The goal of **Gotham** is to provide a simple, modern Beamer theme suitable for anyone to use. It tries to minimize noise and maximize space for content; some visual flourishes are offered as options.

The final product provides a modern, elegant and versatile theme with a high degree of customization. So it can easily be used to build a particular corporate or institutional brand theme on top of it.

The implementation of this theme is strongly inspired from the excellent [METROPOLIS](#) theme by Matthias Vogelgesang, from which it borrows numerous options. **Gotham's** codebase lives on [Gitlab](#).

If you have issues, find mistakes in the manual or want to help make the theme even better, please get in touch there. Any feature request, issue report or merge requests are welcome.

2 Getting Started

2.1 Installing from CTAN

The latest stable version of **Gotham** is available on [CTAN](#) and should now be part of the usual \TeX distributions (\TeX Live, Mac \TeX , Mik \TeX), under the name *beamertheme-gotham*. It means that if your distribution is kept up-to-date, the package should normally be already installed on your system. If this is not the case, consider updating the packages of your \TeX distribution.

For \TeX Live and Mac \TeX users, this usually means running

```
tlmgr update --all
```

or if administrative privileges are required

```
sudo tlmgr update --all
```

For Mik \TeX users, please refer to [the official Mik \$\text{\TeX}\$ documentation](#).

2.2 Installing from Gitlab

If you want to use the cutting-edge development version of **Gotham**, you can install it manually by following these steps:

Download the source from [Gotham repository](#) using `git clone` or as a [zip archive](#) of the latest development version.

Compile the style files by running `l3build unpack` inside the downloaded directory. (Or run \LaTeX directly on `source/gothamtheme.ins`.)

Move the resulting *.sty files to the folder containing your presentation. To use **Gotham** with many presentations, run `l3build install` or move the *.sty files

to a folder in your \TeX path instead.

Use the theme by declaring `\usetheme{gotham}` in the preamble of your document.

Gotham uses the l3build system to offer the following installation options for advanced users:

`l3build unpack` builds the theme style files.

`l3build doc` builds this documentation manual and the examples.

`l3build check` builds the theme and manual.

`l3build clean` removes the files generated by l3build.

`l3build install` installs the theme into your local texmf folder.

`l3build uninstall` removes the theme from your local texmf folder.

2.3 A Minimal Example

The following code shows a minimal example of a Beamer presentation using **Gotham**, and the output generated is given on fig. 1.

```
\documentclass{beamer}
\usetheme{gotham} % Loads Gotham theme
\title{A minimal example}
\subtitle{using Gotham theme}
\date{\today}
\author{John DOE}
\institute{Your university or company}

\begin{document}
  \maketitle
  \section{First Section}
  \begin{frame}{First Frame}
    Hello world !
  \end{frame}
\end{document}
```

2.4 Dependencies

Gotham depends on the `beamer` class and the following standard packages:

- `tikz`



Figure 1: A simple example.

- `expl3`
- `xfp`
- `etoolbox`
- `ifxetex`
- `ifluatex`

For best results, we recommend installing the fonts **Fira Sans** and **Fira Mono** and compiling with **Gotham** using XeLaTeX or LuaTeX. These are optional dependencies; **Gotham** is compatible with (e.g.) pdfL^AT_EX and will fall back to standard fonts if **Fira Sans** or **Fira Mono** is not installed.

The packaged name of **Fira Sans** is **Fira Sans OT** in some Linux distributions; this case is automatically handled by **Gotham**.

3 Customization

3.1 Package options

Gotham provides a number of options, which can be set using a key=value interface. The primary way to set options is to provide a comma-separated list of option-value pairs when loading **Gotham** in the preamble:

```
\usetheme[option1=value1, option2=value2, ...]{gotham}
```

Options can be changed at any time — even mid-presentation ! — with the `\gothamset` command.

```
\gothamset{option1=newvalue1, option2=newvalue2, ...}
```

The list of options is structured as shown in the following example.

```
option key list of possible values ..... default: default
A short description of the option.
```

As **Gotham** implementation is heavily inspired from the excellent **METROPOLIS** theme by Matthias Vogelgesang, many of METROPOLIS options are also available in **Gotham**.

3.1.1 Font theme

```
format title regular, lower, upper, titlecase ..... default: regular
format subtitle Individually controls the format/case of titles, subtitles, frametitle, framesubtitles, part,
format frametitle section and subsection titles.
format framesubtitle
format part
format section
format subsection

shape title regular, italic, smallcaps ..... default: regular
shape subtitle Individually controls the shape/series of titles, subtitles, frametitle, framesubtitles, part,
shape frametitle section and subsection titles.
shape framesubtitle
shape part
shape section
shape subsection
```

FRAMETITLE OF A FRAME
Subtitle frame

(a) Example
format frametitle=titlecase,
shape frametitle=smallcaps,
format framesubtitle= lower,
shape framesubtitle=regular.

frametitle of a frame
Subtitle frame

of (b) Example of format frametitle=lower,
shape frametitle=italic,
format framesubtitle= regular,
shape framesubtitle=italic.

Figure 2: Examples of format and shape settings.

3.1.2 Color theme

The included **Gotham** color theme is used by default, but its colors can be easily changed to suit your tastes. All of the theme's styles are defined in terms of a few main colors:

- `colorA` The primary theme color, used for frametitle, standout and text if the appropriate options are selected.

An easy way to customize the theme is to redefine these colors using:

```
\colorlet{colorPale}{gPaleYell} % BG in light/normal mode
\colorlet{colorDark}{gDarkBlack} % FG in light/normal
mode
\colorlet{colorA}{gDarkTeal} % frametitle, standin.out,
\colorlet{colorAreversed}{gLightTeal} % frametitle,
standin.in,
\colorlet{colorB}{gMidGrey} % gray BG : progress bar,
blocks
\colorlet{colorC}{gDeepYellOr} % progress bar
\colorlet{colorD}{gLightOrange} % alert
\colorlet{colorE}{gLightGreen} % example
```

`background` *light, dark, transparent*..... default: transparent

Controls weather the color of all headings (title page, frame title, etc.) should be in black (default) or in a slightly darker shade of the theme color `theme`.

`colorset` *red, anthracite*..... default: anthracite

Predefined set colors (`colorA`, `colorB`, ...) leading to different ambiances.

`block` *native, transparent, fill*..... default: native

Optionally adds a light grey background to block environments like `theorem` and `example`.

3.1.3 Inner theme

`title page` *gotham normal, gotham reversed, gotham dividedpic, gotham splitvert, <your-name>*..... default: gotham normal

By setting this option you can change the title page according predefined style or even set your own template. If you want to use your own template, this latter should be previously defined with: `\defbeamertemplate{title page}{<your-name>}{<your-defintion>}`

watermark default *on, off*..... default: off
 Enable or disable the watermark background template by default (ie. without using `\begin{frame}[watermark]`).

watermark template *gotham draft, <your-name>* default: gotham draft
 Set the watermark background template to use when the `watermark` option is activated (by default or locally). If you want to use your own template, this latter should be previously defined with: `\defbeamertemplate{background}{watermark/<your-name>}{<your-defintion>}`.

standin template *gotham, <your-name>*..... default: default
standout template Set the standin and stantout background template to use when the `standin` or `stantout` frame option is activated. If you want to use your own template, this latter should be previously defined with: `\defbeamertemplate{background}{standin/<your-name>}{<your-defintion>}`.

partframe default *on, off*..... default: on
sectionframe default Enable or disable the display of the part frame (section, subsection and subsubsection respectively) at each part (other respectively) increment.
subsectionframe default
subsubsectionframe default

partframe template *gotham progressbar, gotham simple, gotham splitvert progressbar, gotham*
sectionframe template *splitvert simple, gotham progressvert* default: gotham progressbar
subsectionframe template Set the frame template to use when the part (or section, subsection, subsubsection respectively) frame option is activated (ie. using `\begin{frame}[part]`). If you want to use your own template, before giving its name to this option, your template should be defined with: `\defbeamertemplate{part frame}{<your-name>}{<your-defintion>}`.
subsubsectionframe template

tocframe template *gotham simple, gotham bullet, <your-name>* default: gotham bullet

Set the table of contents template to use when the `toc` option is activated. If you want to use your own template, this latter should be previously defined with:

```
\defbeamertemplate{part in toc}{<your-name>}{<your-defintion
>}
\defbeamertemplate{section in toc}{<your-name>}{<your-
definition>}
\defbeamertemplate{subsection in toc shaded}{<your-name>}{<
your-defintion>}
\defbeamertemplate{subsubsection in toc shaded}{<your-name
>}{<your-defintion>}
\defbeamertemplate{background canvas}{toc/<your-name>}{<your-
definition>}
\defbeamertemplate{toc page}{<your-name>}{<your-defintion ,
set them now by exmaple>}
```

parttocframe default *on, off*..... default: default

sectiontocframe default Enable or disable the display of the table of content frame after the part frame (section, subsection and subsubsection respectively) at each part (other respectively) increment.
subsubsectiontocframe default

parttocframe template *gotham simple, gotham bullet, <your-name>* default: gotham bullet

sectiontocframe template Set the frame template to use when the table of contents at each new part (or section, subsubsection respectively). This new frame is internally using the `tocpart` frame option to activate the frame template. If you want to use your own template, before giving its name to this option, your template should be defined with:
subsubsectiontocframe tem.. `\defbeamertemplate{part frame}{<your-name>}{<your-defintion>}`.

3.1.4 Outer theme

sidebar canvas right template *gotham filigrane, empty, <your-name>* default: gotham filigrane

sidebar canvas left template Setting templates for left and right sidebar canvas which are activated when giving the frame option `\begin{frame}[edging]`. If you want to use your own template, before giving its name to this option, your template should be defined with: `\defbeamertemplate{sidebar canvas right}{default/<your-name>}{<your-defintion>}`

edging default *on, off*..... default: off

The option `edging default=on` can enable the `sidebar canvas right` (and `sidebar canvas left`) templates on every frame; but it can still be turned off for specific frames when using the frame option `\begin{frame}[noedging]`.

frametitle template *gotham subsameline, gotham subnewline, <your-name>*..... default: gotham subsameline

Option to set the frametitle template. **Gotham** offers one template that adds the subtitle on the same line (`gotham~subsameline`) and one that adds the subtitle on a new line (`gotham~subnewline`). If you want to use your own template, before giving its name to this option, your template should be defined with: `\defbeamertemplate{frametitle}{default/<your-name>}{<your-defintion>}`

framesubtitle template *gotham subnewline, <your-name>*..... default: gotham subnewline

Setting the template to use when the subtitle is on a new line. If you want to use your own template, before giving its name to this option, your template should be defined with: `\defbeamertemplate{framesubtitle}{default/<your-name>}{<your-defintion>}`

frametitle continuation *gotham, beamer, tot, <your-name>*..... default: gotham template

Setting the template that is used in the frametitle when a frame too long and is continued/broke into several frames (using the frame option `allowframebreaks`). If you want to use your own template, before giving its name to this option, your template should be defined with: `\defbeamertemplate{frametitle continuation}{default/<your-name>}{<your-defintion>}`

numbering *none, framenummer, totalframenummer, appendixframenummer, pagenummer, totalpagenummer, circle*..... default: none

Setting the template with the frame number at the bottom right of each slide.

footer template *gotham, <your-name>*..... default: gotham

Setting the template that appears in the footer of the frame. `gotham footer` print the `shortdate` at right, the `shorttitle` in the middle and the `shortauthor` at left. Since in 16/9 the height is precious, `gotham` template also offers the possibility to rotate `shortdate` and `shortauthor` so they appear on sides. If you want to use your own template, before giving its name to this option, your template should be defined with: `\defbeamertemplate{frame footer}{default/<your-name>}{<your-defintion>}`

`rotateFooter` default *on, off*..... default: off

Enable or disable the `rotateFooter` frame option by default (ie. without using `\begin{frame}[rotateFooter]` on every frame). If the option is activated, it can be deactivated locally using the frame option `\begin{frame}[noRotateFooter]`.

`mini frames shape` *default (bullet from beamer), tick, box, gotham minibullet, gotham box, gotham minibox, <your-name>*..... default: gotham minibullet

Setting the shape of the mini frames to use, if the mini frame bundle refers to it (which is usually the case). If you want to use your own template, before giving its name to this option, your template should be defined with:

```
\defbeamertemplate{mini frame}{<your-name>}{
  <your-defintion>
}[action]{
  \setbeamersize{mini frame size=.1cm, mini frame offset=.05
    cm}
}
\defbeamertemplate{mini frame in current subsection}{<your-
  name>}{
  <your-defintion>
}
```

mini frames bundle *gotham mini, beamer, gotham nano <your-name>* default: gotham mini

Setting the set of symbols used in the mini frame navigation. If you want to use your own template, before giving its name to this option, your template should be defined with:

```
\defbeamertemplate{miniframe~home}{<your-name>}{<your-def>}
\defbeamertemplate{miniframe~current~slide}{<your-name>}{<
  your-def>}
\defbeamertemplate{miniframe~done~current~section}{<your-name
  >}{<your-def>}
\defbeamertemplate{miniframe~todo~current~section}{<your-name
  >}{<your-def>}
\defbeamertemplate{miniframe~done~other~section}{<your-name
  >}{<your-def>}
\defbeamertemplate{miniframe~todo~other~section}{<your-name
  >}{<your-def>}
\defbeamertemplate{miniframe~part}{<your-name>}{<your-def>}
\defbeamertemplate{miniframe~section~current}{<your-name>}{<
  your-def>}
\defbeamertemplate{miniframe~section~done}{<your-name>}{<your
  -def>}
\defbeamertemplate{miniframe~section~todo}{<your-name>}{<your
  -def>}
\defbeamertemplate{miniframe~subsection~current}{<your-name
  >}{<your-def>}
\defbeamertemplate{miniframe~subsection~todo}{<your-name>}{<
  your-def>}
\defbeamertemplate{miniframe~subsection~done}{<your-name>}{<
  your-def>}
```

mini frames compress *on, off*..... default: on

A shortcut for the beamer option `compress` that affects the mini frames.

mini frames nav spreading *spreading, centering, left, right* default: spreading

Controls how the mini frame should spread in the navigation bar.

mini frames nav sectioning *none, section, secsubsection* default: none

Setting the section in head/foot template that is used on top of the mini frame navigation bar.

mini frames nav position *none, head, foot, left, right* default: none

Setting where the mini frame navigation bar should appear.

progressbar position *none, head, frametitle, foot, circlehead, left, right* default: none

Setting where the progressbar should appear. The different positions are pretty obvious from their name, except for `circlehead`. This latter option is putting a circular progressbar around the frametitle-logo (from frametitle template defined with gotham theme). It worth noting that by doing so, the frametitle is using the command `\gothamInstituteLogoCircle` instead of `\gothamInstituteLogoSquare` which is used otherwise.

progressbar style *rectangle, rounded box, moving circle, fixed circle* default: rectangle

Setting how the progressbar should appear. `rectangle` option is using sharp rectangle for the progressbar, while `rounded box` is using rounded box and adds the percentage of progression at its right. `moving circle` and `fixed circle` are concerning the option `progressbar position=circle` only. `moving circle` add the number of the frame in a circle moving (following) the progression of the bar, while `fixed circle` put this framenummer constantly at the right of the circular progressbar.

progressbar advancement *tlbr, brlt* default: tlbr

Defines in which direction the progressbar should evolve. `tlbr` is the shortcut for: starting from the top left corner, it goes bottom then right, ie. anti-clockwise. `brtl` is the shortcut for: starting from the bottom right corner, it goes top then left, ie. clockwise.

progressbar mfn *on, off* default: off

Enable or disable the display of the mini frame navigation bar within the progressbar.

3.2 Setup all the options

```
\gothamset{
  % from font theme
  format title, shape title,
  format subtitle, shape subtitle,
  format frametitle, shape frametitle,
  format framesubtitle, shape framesubtitle,
  format part, shape part,
  format section, shape section,
  format subsection, shape subsection,
  % from color theme
  background,
```

```

block,
colorset,
% from inner theme
title page,
watermark template, watermark default,
standout template, standin template,
partframe template, partframe default,
sectionframe template, sectionframe default,
subsectionframe template, subsectionframe default,
subsubsectionframe template, subsubsectionframe default,
tocframe template,
parttocframe template, parttocframe default,
sectiontocframe template, sectiontocframe default,
subsectiontocframe template, subsectiontocframe default,
%subsubsectiontocframe template, subsubsectiontocframe
    default,
% from outer theme
sidebar canvas right template, sidebar canvas left
    template,
edging default,
frametitle template, framesubtitle template, frametitle
    continuation template,
numbering,
rotateFooter default,
footer template,
mini frames shape, mini frames bundle, mini frames
    compress, mini frames nav spreading,
progressbar position, progressbar style, progressbar
    advancement, progressbar mfn,
}

```

3.3 Frame options

Frame options are affecting the templates used on the current frame through the following syntax:

```
\begin{frame}[option] ... \end{frame}
```

Below a description of the different frame options brought by **Gotham**.

`noBGC` Apply an empty background canvas template.

`watermark` Apply (with `watermark`) or deactivated (`nowatermark` when `\gothamset{watermark default=on}` was given) the background template, through `\defbeamertemplate{background}{watermark/<your-name>}{<your-def>}` and `\gothamset{watermark template=<your-name>}`.

`standout` Apply the `standin` (and `standout` respectively) templates through the definition `\standin defbeamertemplate{standin}{<your-name>}{<your-def>}` and the option `\gothamset{standin template=<your-name>}`.

`toc` Apply the `toc` template defined by `\gothamset{tocframe template=<your-name>}`.

`edging` Apply (with `edging`) or deactivated (`noedging` when `\gothamset{edging default=on noedging }` was given) the sidebar canvas left (and right respectively) template, through `\defbeamertemplate{sidebar canvas left}{default/<your-name>}{<your-def>}` (and right) and the option `\gothamset{sidebar canvas left template=<your-name>}` (and right).

`nologo` Apply empty logo (and `footline`, `footer` respectively) templates. This can be convenient when extra space is needed.

`nofooter`

`rotateFooter` Enable or disable the rotation of the elements in the footer. This can be convenient when extra space is needed in 16/9 mode especially.

`noRotateFooter`

`part` Apply `\usebeamertemplate{part frame}`, (`section frame`, `subsection frame` and `section subsection frame` respectively) templates. This makes more sense for internal use, but can be reused everywhere else.

`subsec`

`subsubsec`

`tocpart` Apply `\usebeamertemplate{toc part frame}`, (`toc section frame`, `toc subsection frame` and `toc subsection frame` respectively) templates. This makes more for internal use, but can be reused everywhere else.

`tocsubsec`

`tocsubsubsec`

3.4 Commands for Customization

Gotham defines some commands that can be used as hooks, ie., that can be redefined when needed.

`\gothamInstituteLogoCircle[1][4ex]`

`#1` : height of the picture.

Command to include the circular logo of your institute in the frametitle when using `\gothamset{progressbar position=circlehead}`. For example, you redefine this command through:

```
\renewcommand{\gothamInstituteLogoCircle}[1][4ex]{
  \includegraphics[height=#1]{<your-logo-circular>}
}
```

`\gothamInstituteLogoSquare[1][4ex]`

`#1` : height of the picture.

Command to include the circular logo of your institute in the frametitle. For example, you redefine this command through:

```
\renewcommand{\gothamInstituteLogoSquare}[1][4ex]{
  \includegraphics[height=#1]{<your-logo-square>}
}
```

`\gothamFrameSubtitleSep` Command defining the separator used between the frametitle and the subtitle.

`\gothamRightFiligrane` Commands that are used by default in the `sidebar canvas right` (and left). This avoids
`\gothamLeftFiligrane` the redefinition of the whole templates, especially since the `sidebar canvas right` is
containing elements by default in Beamer theme (like the logo).

3.5 Color Customization

The included **Gotham** color theme is used by default, but its colors can be easily changed to suit your tastes. All of the theme's styles are defined in terms of three Beamer colors:

- `normal text` (dark fg, light bg)
- `alerted text` (colored fg, should be visible against dark or light)
- `example text` (colored fg, should be visible against dark or light)

An easy way to customize the theme is to redefine these colors using


```
\setbeamercolor{ ... }{ fg= ... , bg= ... }
```

in your preamble. For greater customization, you can redefine any of the other stock Beamer colors. In addition to the stock colors the theme defines a number of **Gotham** specific colors, which can also be redefined to your liking.

```
\setbeamercolor{progress bar}{ ... }  
\setbeamercolor{title separator}{ ... }  
\setbeamercolor{progress bar in head/foot}{ ... }  
\setbeamercolor{progress bar in section page}{ ... }
```

3.6 Font Customization

The default font for **Gotham** is Fira. This can be easily changed using the standard font selection commands of the `fontspec` package. So if you prefer, for example, the **Ubuntu** font family, just add the following two commands after loading the **Gotham** theme.

```
\setsansfont{Ubuntu}  
\setmonofont{Ubuntu Mono}
```

If you are expecting to present in a large room or with an underpowered projector, you may want to change the font to a heavier weight of Fira to maximize readability.

```
\setsansfont[BoldFont={Fira Sans SemiBold}]{Fira Sans  
Book}
```

3.6.1 Old style figures

The regular `fontspec` mechanism for changing glyph appearance also applies to this theme. If you want to have old style figures in the text but regular lined figures for math, you could add the following to your preamble:

```
\usefonttheme{professionalfonts} % required for  
mathspec  
\usepackage{mathspec}  
\setsansfont[BoldFont={Fira Sans},  
Numbers={OldStyle}]{Fira Sans Light}  
\setmathsfont(Digits)[Numbers={Lining, Proportional}]{  
Fira Sans Light}
```

3.7 Length Customization

`\sectionhoffset` length controlling the horizontal offset of the (section title + progress bar) block. Can be useful when extra stuff wants to be displayed on sides of the block. The default value is 0pt.

`\sidebarRightHOffset` Length controlling the horizontal and vertical offset in order to position `\gothamRightFiligrane`
`\sidebarLeftHOffset` (respectively `\gothamLeftFiligrane`) when using the default sidebar canvas (right and left) from **Gotham**.

`\gothamHposLeftRotFooter` length controlling the horizontal and vertical positioning of the left and right elements of
`\gothamHposRightRotFooter` the rotated footer.
`\gothamVposLeftRotFooter`
`\gothamVposRightRotFooter`

`\gothamFootlineRuleLeftPadding`
length controlling the horizontal space between the left border of the page and the left side of the rule.

`\gothamFootlineRuleHeight` Dimensions controlling the height and the length of the rule used to delimit the footer.
`\gothamFootlineRuleLength`

`\gothamProgressCircHeight`
`\gothamCounterCircleRadius`
`\gothamProgressCircBorderWidth`
Lengths controlling the aspect of **progress circle**. `\gothamProgressCircHeight` is controlling the inner height of the circle (related to its diameter). `\gothamCounterCircleRadius` is controlling the size of the counter circle containing the frame number. `\gothamProgressCircBorderWidth` is controlling width of the progress circle.

4 Tips & Tricks

4.1 Backup Slides

Speakers will often include extra slides at the end of their presentation to refer to during audience questions. One easy way to do this is to include the `appendixnumberbeamer`

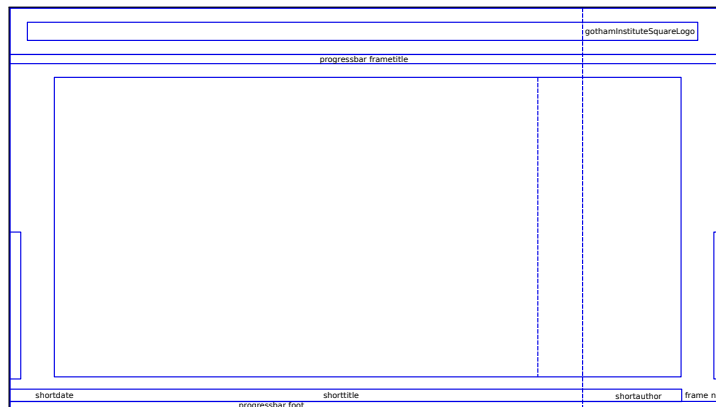


Figure 3: The layout used by **Gotham**.

package in your preamble and call `\appendix` before your backup slides.

Gotham will automatically turn off slide numbering for slides in the appendix.

4.2 Sources of inspiration

Many Beamer themes have been used as sources of inspiration to build **Gotham**:

- <https://github.com/matze/mtheme> for dark/light theme and standout page.
- <https://github.com/hamaluik/Beamer-Theme-Execushares> and <https://github.com/pcafrica/focus-beamertheme> for titlepage and section-page.
- <https://github.com/LukasPietzschmann/awesome-beamer> for titlepage.
- <https://github.com/luistar/unina-beamer/tree/master> and <https://github.com/jkjaer/aauLatexTemplates/tree/master/aauBeamer/aausimple> for circlehead progress bar.
- <https://github.com/povanberg/flux-beamer> for toc.
- <https://github.com/fliptanedo/FlipBeamerTheme> for numbering circled fraction.
- https://gitlab.com/RomainNOEL/latex3_template_pkg for LateX3 template.

5 Known Issues

5.1 Title formats

Be aware that not every font supports small caps, so the `smallcaps` or `upper` options may not work if you use a font other than **Fira Sans**. In particular, the Computer Modern sans-serif typeface, which is used when **Gotham** is compiled with pdfL^AT_EX, does not have a small-caps variant.

The title format options `upper` and `smallcaps` are quite nice from an aesthetic point of view, but their use of `\MakeLowercase` and `\MakeUppercase` can cause unexpected problems. For example:

- Some commands, like `\`, do not work inside `\MakeLowercase` and `\MakeUppercase`. (See [#125](#))
- Only alphabetic characters are affected by `\MakeLowercase`, so numerals and punctuation remain at full height. This can spoil some of the aesthetic benefits of `upper`. (See [#33](#))
- `\MakeLowercase` and `\MakeUppercase` apply to math mode and `\scshape` does not. This can easily introduce mathematical errors that are hard to catch.
- It is impossible to typeset symbols which are encoded as uppercase letters in a different font. In particular, `\mathbb` and `\mathcal` letters will be replaced by other math glyphs. (See [#153](#))

The `smallcaps` and `upper` options are safe to use if your titles contain only alphabetic characters and do not require the expansion of any macros.

5.2 Interactions with other color themes

Gotham can be used along with any other Beamer color theme, such as `crane` or `seahorse`. If you wish to do this, it is usually best to include the **Gotham** subpackages individually so the **Gotham** color theme is never loaded. This will prevent conflicts between the **Gotham** color theme and your preferred theme.

For example, overriding the color theme as follows may not work as expected because `\usetheme{gotham}` loads the **Gotham** color theme, which defines a relationship between the frametitle background and the primary palette of the theme. Since `seahorse` assumes a different relationship between its palettes, the result is a grey, rather than periwinkle, frametitle background.

```
\usetheme{gotham}
\usecolortheme{seahorse}
```

The correct colors are chosen if the **Gotham** outer, inner, and font themes are loaded separately:

```
\useoutertheme{gotham}
\useinnertheme{gotham}
\usefonttheme{gotham}
\usecolortheme{seahorse} % or your preferred color
                           theme
```

Please note that **Gotham** may not use all the colors defined in your favourite Beamer color theme. In particular, **Gotham** does not set a background color for the title; this will cause issues when using color themes like **whale** which set a white foreground for the title.

5.3 Notes on second screen

If you use the `[show notes on second screen]` option built into Beamer and compile with XeLaTeX, text on slides following the first section slide may be rendered in white instead of the regular color. This is due to a **bug** in Beamer or XeLaTeX itself. You can work around it either by compiling with LuaTeX or by adding the following code to your preamble to reset the text color on each slide.

```
\makeatletter
\def\beamer@frametitlebegin{% at beginning of slide
  \usebeamercolor[fg]{normal text}
  \gdef\beamer@noteitems{}%
  \gdef\beamer@notes{}%
}
\makeatother
```

5.4 Standout frames with labels

Because the `standout` frame option creates a group to restrict the colour change to a single slide, labels defined after calling `standout` will stay local to the group. In other words, the following may result in a “label undefined” error.

```
\begin{frame}[standout, label=conclusion]{Conclusion}
  Awesome slide
\end{frame}
```

To fix this problem, change the order of the keys in the frame.

```

\begin{frame}[label=conclusion, standout]{Conclusion}
  Awesome slide
\end{frame}

```

This error can be unwittingly triggered if you export your slides from Emacs Org mode, which automatically adds labels after frame options. Alex Branham [offers](#) the following solution for Org mode users, using `org-set-property`.

```

* Start of a frame
:PROPERTIES:
:BEAMER_opt: label=conclusion,standout
:END:

```

5.5 Standout frames with Pandoc

With Pandoc versions prior 1.17.2 it was not possible to create standout frames because Pandoc only supported a specific list of frame attributes thus ignoring additional attributes such as `{.standout}`.

5.6 Other issues

- `enumitem` is not working with Beamer.

Todo

List of thing that could be improved (any volunteer welcome):

- Reduce the number of `@`.
- Rename a lot of length with `gotham` at the beginning of their name.
- Turn internal length into `_dim`.
- Improve documentation.
- Add a hexagonal, wavy and add lengths on the blueprint layout backgrounds.
- Remove `calc` package (that can be replaced by `xfp` or just `fp`).
- Remove colors from tests inner and outer.
- Replace the `\setbeamertemplate{yy}[default/xx]` by `_gotham_inner_set_template:nn{tit}` or merge them because the default values in `dict/template` are interesting but `_gotham_inner_set_template` are simpler.
- add `colorset` more `blue-ish`, `green-ish` ... from `colorA` etc.

- add Gotham to lists of Awesome Beamer themes.

6 License

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7 Commands description for users

FONT

`\iffontsavailable` `\iffontsavailable` $\{\langle list\ of\ fonts'\ names\rangle\}$ $\{\langle True\ code\rangle\}$ $\{\langle False\ code\rangle\}$
If all fonts in $\{\langle list\ of\ fonts'\ names\rangle\}$ are font then $\{\langle True\ code\rangle\}$ is executed else $\{\langle False\ code\rangle\}$.

`\usefonttheme` `\usefonttheme` $[\langle option1=value1,\ \dots\rangle]\{\langle gotham\rangle\}$
where the options are (default marked as `default:` `default:`):
 $\langle title\ format\rangle = [(\langle default:\ textregular\ |\ lower\ |\ upper\ |\ titlecase\rangle)]$
 $\langle title\ shape\rangle = [(\langle default:\ textregular\ |\ smallcaps\ |\ italic\rangle)]$
 $\langle subtitle\ format\rangle = [(\langle default:\ textregular\ |\ lower\ |\ upper\ |\ titlecase\rangle)]$
 $\langle subtitle\ shape\rangle = [(\langle default:\ textregular\ |\ smallcaps\ |\ italic\rangle)]$
 $\langle frametitle\ format\rangle = [(\langle default:\ textregular\ |\ lower\ |\ upper\ |\ titlecase\rangle)]$
 $\langle frametitle\ shape\rangle = [(\langle default:\ textregular\ |\ smallcaps\ |\ italic\rangle)]$
 $\langle framesubtitle\ format\rangle = [(\langle default:\ textregular\ |\ lower\ |\ upper\ |\ titlecase\rangle)]$
 $\langle framesubtitle\ shape\rangle = [(\langle default:\ textregular\ |\ smallcaps\ |\ italic\rangle)]$
 $\langle part\ format\rangle = [(\langle default:\ textregular\ |\ lower\ |\ upper\ |\ titlecase\rangle)]$
 $\langle part\ shape\rangle = [(\langle default:\ textregular\ |\ smallcaps\ |\ italic\rangle)]$
 $\langle section\ format\rangle = [(\langle default:\ textregular\ |\ lower\ |\ upper\ |\ titlecase\rangle)]$
 $\langle section\ shape\rangle = [(\langle default:\ textregular\ |\ smallcaps\ |\ italic\rangle)]$
 $\langle subsection\ format\rangle = [(\langle default:\ textregular\ |\ lower\ |\ upper\ |\ titlecase\rangle)]$
 $\langle subsection\ shape\rangle = [(\langle default:\ textregular\ |\ smallcaps\ |\ italic\rangle)]$

The 'package' (`usefonttheme`) options can control both shape and format of title (of the presentation), subtitle, part title, section title, subsection title, frametitle and framesubtitle.

COLOR

```

\colorlet{colorPale}      \colorlet {\langle colorPale\rangle} {\langle gPaleYell\rangle}
set_gotham_palette_colors \colorlet {\langle colorDark\rangle} {\langle gDarkBlack\rangle}
\colorlet {\langle colorA\rangle} {\langle gAnthracite\rangle}
\colorlet {\langle colorAreversed\rangle} {\langle gLightTeal\rangle}
\colorlet {\langle colorB\rangle} {\langle gMidGrey\rangle}
\colorlet {\langle colorC\rangle} {\langle gDeepYellOr\rangle}
\colorlet {\langle colorD\rangle} {\langle gLightOrange\rangle}
\colorlet {\langle colorE\rangle} {\langle gLightGreen\rangle}

```

Setup the colors use for presentations:

- colorPale is used for BG in light mode
- colorDark is used for FG in light mode
- colorA is used for frametitle and standout BG in light mode
- colorAreversed is used for frametitle and standout BG in dark mode
- colorB is used for progress bar and blocks BG
- colorC is used for progress bar FG
- colorD is used for alert FG/BG depending on the block mode
- colorE is used for example FG/BG depending on the block mode

```

\colorlet{colorBG}{colorPale} \colorlet {\langle colorBG\rangle} {\langle colorPale\rangle}
set_functional_colors         \colorlet {\langle colorFG\rangle} {\langle colorDark\rangle}
\colorlet {\langle colorFrametitle\rangle} {\langle colorA\rangle}
\colorlet {\langle colorStandout\rangle} {\langle colorA\rangle}
\colorlet {\langle colorStandin\rangle} {\langle colorA\rangle}
\colorlet {\langle colorTitlepage\rangle} {\langle colorA\rangle}
\colorlet {\langle colorFiligrane\rangle} {\langle colorB\rangle}
\colorlet {\langle colorBackElement\rangle} {\langle colorB\rangle}
\colorlet {\langle colorProgBar\rangle} {\langle colorC\rangle}
\colorlet {\langle colorAlert\rangle} {\langle colorD\rangle}
\colorlet {\langle colorExample\rangle} {\langle colorE\rangle}

```

Setup the default color aliases used in the presentation theme definitions. These aliases are partly redefined by dark/light/transparent modes.

`\usecolortheme` `\usecolortheme[option1=value1, ...]{gotham}`
 where the options are (default marked as `default: default`):
`<background> = [default: transparent | light | dark]`
`<block> = [default: native | fill | transparent]`
`<colorset> = [default: anthracite | red]`

The 'package' (usecolortheme) options can control color mode (dark, light or transparent background) and the block (native or fill or transparent). Block environments such as `theorem` and `example` have no background color by default. The option `block=fill` sets a background color based on the background and foreground of `normal text`. The option `block=transparent` reverts the block environments to an empty background, which can be useful if changing colors mid-presentation. The option `colorset=red` changes the colorset used to define a color theme.

INNER
 Titlepage

`\gothamtitlepagelogo` The command to insert the institute logo on title page. This command is left empty by default, to be redefined by users

`\gothamtitlepagebg` The command to insert the background title page This command is left empty by default, to be redefined by users

`__gotham_set_template:nn` `__gotham_set_template:nn {element} {option}`
 Function that test if a beamertemplate with the given element and option name exists. If it exists then it is set (applied), otherwise an error is raised.

`\useinnertheme` `\useinnertheme[option1=value1, ...]{gotham}`
 where the options are (default marked as `default: default`):
`<title page> = [default: gotham normal | gotham splitvert | gotham dividedpic | gotham reversed]`

The 'package' (useinnertheme) options can set different title page templates.

Backgrounds

`\l_gotham_template_name_prop`

Dictionary/map of template elements and predefined option according to the context. Naming convention: template/What/Who, i.e. Name: key=background canvas/watermark, value = gotham draft

`\defbeamertemplate{background}{name}{def}` `\defbeamertemplate {<background canvas> {<chosen name>}`
`{<definition>}`

The `background canvas` and the `background beamer` templates can be redefined by users if wanted/needed. By default these templates are empty (except the color in background canvas when it not transparent).

`\begin{frame}[noBGC]` Add a frame option `noBGC` to display an empty background canvas.

`\l_gotham_defaultWatermark` Boolean to triggering if watermark should be displayed by default (without giving the frame option). The variable is `false` by default.

`\begin{frame}[watermark]` Add a frame option `watermark` to display watermark in background.

`\begin{frame}[nowatermark]` Add a frame option `nowatermark` to do not display nowatermark in background.

`\useinnertheme` `\useinnertheme[<option1=value1, ...>]{<gotham>}`

where the options are (default marked as `default: default`):

`<watermark default> = [<default: off | on >]`

`<watermark template> = [<default: gotham draft | ... >]`

The 'package' (`useinnertheme`) options can control `background` (and `background canvas`) templates according to situations. Block environments such as `theorem` and `example` have no background color by default. The option `watermark default=on` can enable the `watermark template` on every frame; but it can still be turned off for specific frames when using the frame option `nowatermark`.

Stand IN/OUT

`\begin{frame}[c]` Add a frame option `c` for enhanced vertically centered text in the frame.

`\begin{frame}[standout]` Add a frame option `standout` to display the standout frame template.

`\begin{frame}[standin]` Add a frame option `standin` to display the standin frame template.

`\useinnertheme` `\useinnertheme[<option1=value1, ...>]{<gotham>}`

where the options are (default marked as `default: default`):

`<standin template> = [<default: gotham | ...>]`

`<standout template> = [<default: gotham | ...>]`

The 'package' (`useinnertheme`) options can control `standout` (and `standin`) templates. These templates are activated when giving the frame option `\begin{frame}[standin]` and `standout`.

Sections

`\begin{frame}[part]` Add a frame option `part` to display the part frame template.

`\begin{frame}[section]` Add a frame option `section` to display the section frame template.

`\begin{frame}[subsection]` Add a frame option `subsection` to display the subsection frame template.

`\begin{frame}[subsubsection]`

Add a frame option `subsubsection` to display the subsubsection frame template.

`\partContentName` Commands containing the 'table of contents' title for part, section and subsection (if these ToC frames are enabled). An option for subsubsection is not useful (at least up to understanding of the moment) because we do not display frame with the content of a subsubsection since it is the small unity we are working with.

`\gotham@progressonsectionpage@linewidth`

Variables used to defined the progress bar in section pages. If the vertical size of the bar want to be changed, the command `\setlength{\gotham@progressonsectionpage@linewidth}{<0.4pt}` can be used.

`\sectionoffset` length controlling the horizontal offset of the (section title + progress bar) block. Can be useful when extra stuff want to be display on sides of the block. The default value is 0.

`\useinnertheme` `\useinnertheme[option1=value1, ...]{gotham}`
where the options are (default marked as `default: default`):
`<partframe template> = [(default: gotham progressbar | gotham simple | gotham splitvert progressbar | gotham splitvert simple | gotham progressvert | ...)]`
`<partframe default> = [(default: on | off)]`
`<sectionframe template> = [(default: gotham progressbar | gotham simple | gotham splitvert progressbar | gotham splitvert simple | gotham progressvert | ...)]`
`<sectionframe default> = [(default: on | off)]`
`<subsectionframe template> = [(default: gotham progressbar | gotham simple | gotham splitvert progressbar | gotham splitvert simple | gotham progressvert | ...)]`
`<subsectionframe default> = [(default: on | off)]`
`<subsubsectionframe template> = [(default: gotham progressbar | gotham simple | gotham splitvert progressbar | gotham splitvert simple | gotham progressvert | ...)]`
`<subsubsectionframe default> = [(default: on | off)]`

The 'package' (`useinnertheme`) options can control `partframe` templates (or `sectionframe`, `subsectionframe` and `subsubsectionframe` respectively), which define the style of the partframe (or `sectionframe`, `subsectionframe` and `subsubsectionframe` respectively) displayed at every new beginning of sectioning. These templates can be disabled (or re-enabled) by default using the option `partframe default` (or `sectionframe`, `subsectionframe` and `subsubsectionframe` respectively).

Table of Content

`\begin{frame}[toc]` Add a frame option `toc` to display the `toc` frame template.

`\begin{frame}[tocpart]` Add a frame option `tocpart` to display the `tocpart` frame template.

`\begin{frame}[tocsec]` Add a frame option `tocsec` to display the `tocsec` frame template.

`\begin{frame}[tocsubsec]` Add a frame option `tocsubsec` to display the `tocsubsec` frame template.

`\begin{frame}[tocsubsubsec]`

Add a frame option `tocsubsubsec` to display the `tocsubsubsec` frame template.

`\useinnertheme \useinnertheme[<option1=value1, ...>]{<gotham>}`

where the options are (default marked as `default: default`):

`<tocframe template> = [(default: gotham bullet | gotham simple | ...)]`

`<parttocframe template default> = [(default: gotham simple | gotham bullet)]`

`<parttocframe default> = [(default: on | off)]`

`<sectocframe template default> = [(default: gotham simple | gotham bullet)]`

`<sectocframe default> = [(default: on | off)]`

`<subsectocframe template default> = [(default: gotham simple | gotham bullet)]`

`<subsectocframe default> = [(default: on | off)]`

The 'package' (`useinnertheme`) options can control `parttocframe` templates (or `sectocframe` and `subsectocframe` respectively), which define the style of the table of content for `partframe` (or `sectionframe`, and `subsectionframe` respectively) displayed at every new beginning of sectioning. These templates can be disabled (or re-enabled) by default using the option `parttocframe default` (or `sectocframe` and `subsectocframe` respectively).

Environments styles

`\begin{block}`

Three boxed environment are defined by default: `block`, `alertblock` and `exampleblock`.

`\begin{alertblock}`

The style of blocks can be changed using `\setbeamertheme{blocks}[rounded][shadow=true]`.

`\begin{exampleblock}`

`\begin{itemize}`

Three level of `itemize` environment are defined by default with decreasing size: `circle`, `triangle` and `square`.

`\defbeamertheme{caption}`

`\defbeamertheme{footnote}`

Gotham defines float captions with a numbered style and footnotes with traditional style (color can be tuned with `\setbeamercolor{footnote}`).

OUTER

`\l_gotham_template_name_prop`

Dictionary/map of template elements and predefined option according to the context. Naming convention: template/What/Who, i.e. Name: key=background canvas/watermark, value = gotham draft

`_gotham_set_template:nn` `_gotham_set_template:nn` `{(element)}` `{(option)}`

Function that test if a beamertemplate with the given element and option name exists. If it exists then it is set (applied), otherwise an error is raised.

Sidebars

`\sidebarRightHOffset`

Length controlling the horizontal offset in order to position `\gothamRightFiligrane` (respectively `\gothamLeftFiligrane`) when using the default sidebar canvas (right and left) from gotham.

`\sidebarLeftHOffset`

`\gothamRightFiligrane`

Commands used internally by `\setbeamertemplate{sidebar~canvas~right}` [default/gotham~filigrane]

`\gothamLeftFiligrane`

(left respectively), that are empty by default. But these commands can be simply redefined to custom watermarks (filigrane) in sidebars.

`\l_gotham_defaultEdging`

Boolean to triggering if edging should be displayed by default (without giving the frame option). The variable is `false` by default.

`\begin{frame}[edging]`

Add a frame option `edging` to display edging in sidebar canvas.

`\begin{frame}[noedging]`

Add a frame option `noedging` to do not display noedging in sidebar canvas.

`\useoutertheme [option1=value1, ...]{gotham}`

where the options are (default marked as `default: default`):

`<edging default> = [(default: off | on)]`

`<sidebar canvas left template> = [(default: gotham | ...)]`

`<sidebar canvas right template> = [(default: gotham filigrane | empty | ...)]`

The 'package' (`useoutertheme`) options can control `sidebar canvas right` (and `sidebar canvas left`) templates. These templates are activated when giving the frame option `\begin{frame}[edging]`.

The option `edging default=on` can enable the `sidebar canvas right` (and `sidebar canvas left`) templates on every frame; but it can still be turned off for specific frames when using the frame option `noedging`.

Navigation & Logo

`\defbeamertemplate{navigation-symbols}{empty}`

By default the navigation symbols are disable.

`\defbeamertemplate{navigation-symbols}{default}`

Navigation symbols can be turned on using `\setbeamertemplate{navigation symbols}[default]`.

`\begin{frame}[nologo]` Add a frame option `nologo`, if you do not want your logo to be displayed.

Headline & Frametitle

Headline

Frametitle

`\gotham@frametitle@toppadding`

`\gotham@frametitle@bottompadding`

`\gotham@frametitle@leftpadding`

`\gotham@frametitle@rightpadding`

Dimensions controlling the top, bottom, left and right padding in the frametitle.

`\gothamInstituteLogoSquare[height] \height [(height of the logo use in inclugraphics (4ex by default))]`

Command to set the image logo to include.

`\gothamFrameSubtitleSep` Command that can be redefined to control the separator between the title of the frame and its subtitle. For example if a default Beamer style is desired, one can use `\renewcommand{\gothamFrameSubtitleSep}{\[-.42em]}`. By default it is a hyphen.

`\gothamFramesubtitleStrutend`

Variable vertical length used to adapte the bottom padding when a subtitle is given.

`\useoutertheme` `\useoutertheme[<option1=value1, ...>]{<gotham>}`

where the options are (default marked as `default: default`):

`<frametitle template> = [<default: gotham subsameline | gotham subnewline | ...>]`

`<framesubtitle template> = [<default: gotham subnewline | ...>]`

The 'package' (useoutertheme) options can control `frametitle` (and `framesubtitle`) templates.

Continuation

`\useoutertheme` `\useoutertheme[<option1=value1, ...>]{<gotham>}`

where the options are (default marked as `default: default`):

`<frametitle continuation template> = [<default: gotham | tot | beamer | ... >]`

The 'package' (useoutertheme) options can control `frametitle continuation` templates.

Footer & Footline

Footline

`\begin{frame}[nofootline]` Add a frame option `nofootline` to do not display `nofootline`.

`\gothamFootlineOffset` Lengths controlling the position of footline. `\gothamFootlineOffset` is controlling space between to bottom of the text (or the footnote) and the footline. `\gothamFootlineOffset` is by default `-0.5ex`, to have more space in the frame but if the footer is not really used, the space can be even more optimized using `\setlength{\gothamFootlineOffset}{-2.0ex}`. Obviously, it can be back to `normal` setting it to `0pt`. `\gothamFootlineHeight` and `\gothamFootlineDepth` are controlling the heighth of the footline and the position of the text within.

Footer

`\gothamLeftFooterPadding` Lengths controlling the position of footer. `\gothamFooterHOffset` is controlling the horizontal space between the footer and the bottom of the page (or the progressbar). **`\gothamRightFooterPadding`** `\gothamLeftFooterPadding` and `\gothamLeftFooterPadding` are controlling the space between the left and right side of the footer and the border of the page.

`\begin{frame}[nofooter]` Add a frame option `nofooter` to do not display nofooter.

`\l_gotham_defaultRotateFooter`

Boolean to triggering if rotated footer should be displayed by default (without giving the frame option). The variable is `false` by default.

`\begin{frame}[rotateFooter]`

Add a frame option `rotateFooter` to display rotated footer.

`\begin{frame}[noRotateFooter]`

Add a frame option `noRotateFooter` to display a none-RotateFooter.

`\useoutertheme` `\useoutertheme[option1=value1, ...]{gotham}`

where the options are (default marked as `default: default`):

`<rotateFooter default> = [default: off | on]`

The option `rotateFooter default=on` can enable the rotation of the footer on every frame; but it can all be turned on for specific frames when using the frame option `\begin{frame}[rotateFooter]`.

`\gothamFootlineRuleLeftPadding`

`\gothamFootlineRuleHeight`

`\gothamFootlineRuleLength`

`\gothamHposLeftRotFooter`

`\gothamHposRightRotFooter`

`\gothamVposLeftRotFooter`

`\gothamVposRightRotFooter`

Lengths controlling the position of footer. `\gothamFootlineRuleLeftPadding` is controlling the horizontal space between the left border of the page and the left side of the rule. `\gothamFootlineRuleHeight` is controlling the height of the rule use to delimit the footer. `\gothamFootlineRuleLength` is controlling the length of the rule use to delimit the footer. `\gothamHposLeftRotFooter` is controlling the horizontal positioning of the left part of the rotated footer. `\gothamHposRightRotFooter` is controlling the horizontal positioning of the right part of the rotated footer. `\gothamVposLeftRotFooter` is controlling the vertical positioning of the left part of the rotated footer. `\gothamVposRightRotFooter` is controlling the vertical positioning of the right part of the rotated footer.

`\useoutertheme` `\useoutertheme[<option1=value1, ...>]{<gotham>}`

where the options are (default marked as `default: default`):

`<footer template> = [<default: gotham | ... >]`

The option `footer template` can which template to use as a footer.

Numbering

`\gothamCircleNumberingVshift`

`\gothamCircleNumberingHshift`

Variable lengths controlling the vertical and horizontal positioning of the `circle` numbering template.

`\useoutertheme` `\useoutertheme[<option1=value1, ...>]{<gotham>}`

where the options are (default marked as `default: default`):

`<numbering> = [<default: none | framenummer | totalframenummer | appendixframenummer | pagenummer | totalpagenummer | circle | ... >]`

`<framesubtitle template> = [<default: gotham subnewline | ...>]`

The 'package' (`useoutertheme`) options can control frame numbering templates used in footer template.

MiniFrames & Progress bar

MiniFrames

Select the bullets shape

`\useoutertheme` `\useoutertheme[<option1=value1, ...>]{<gotham>}`

where the options are (default marked as `default: default`):

`<mini frames shape> = [<default: gotham minibullet | default (bullet from beamer) | tick | box | gotham box | gotham minibox | ... >]`

`<framesubtitle template> = [<default: gotham subnewline | ...>]`

The 'package' (`useoutertheme`) options can control frame numbering templates used in footer template.

`\useoutertheme` `\useoutertheme[<option1=value1, ...>]{<gotham>}`

where the options are (default marked as `default: default`):

`<mini frames bundle> = [<default: gotham minibullet | default (bullet from beamer) | tick | box | gotham box | gotham minibox | ... >]`

`<framesubtitle template> = [<default: gotham subnewline | ...>]`

The 'package' (`useoutertheme`) options can control mini frame templates.

MiniFrames Navigation

`\useoutertheme` `\useoutertheme[option1=value1, ...]{gotham}`

where the options are (default marked as `default: default`):

`<mini frames compress> = [default: on | off]`

The 'package' (useoutertheme) options can control `compress` option in mini frames.

`gothamZerosectionframes`

Boolean variable to flag if they are frame in a zeroth section. This variable helps to adapt the spreading of `mini frames nav` bar. This variable is automatically set if the spread is set correctly at the beginning of the presentation. If the spreading or the mini frame nav is disable at the zeroth section then reactivated latter, it might create unwanted spreading. In such situation the variable has to be set manually to correct the spreading.

`\useoutertheme` `\useoutertheme[option1=value1, ...]{gotham}`

where the options are (default marked as `default: default`):

`<mini frames nav spreading> = [default: centering | spreading | left | right]`

The 'package' (useoutertheme) options can control spreading of the mini frames navigation.

`\useoutertheme` `\useoutertheme[option1=value1, ...]{gotham}`

where the options are (default marked as `default: default`):

`<mini frames nav sectioning> = [default: on | off]`

The 'package' (useoutertheme) options can control navigation sectioning option in mini frames.

`\useoutertheme` `\useoutertheme[option1=value1, ...]{gotham}`

where the options are (default marked as `default: default`):

`<mini frames nav position> = [default: none | head | foot | left | right]`

The 'package' (useoutertheme) options can control navigation position option in mini frames.

Progress bar

`\gothamProgressHeadFootLineheight`

Variable vertical length defining the height of the progressbar.

`\l_gotham_ProgCircleMoving_bool`

`\l_gotham_progbar_advancement_tlbr_bool`

`\l_gotham_pmf_n_bool`

Boolean variables controlling the direction of progression and if the current frame number is moving with the progression.

`\gothamProgressCircHeight`
`\gothamCounterCircleRadius`
`\gothamProgressCircBorderWidth`

Lengths controlling the aspect of progress circle. `\gothamProgressCircHeight` is controlling the inner height of the circle (related to its diameter). `\gothamCounterCircleRadius` is controlling the size of the counter circle containing the frame number. `\gothamProgressCircBorderWidth` is controlling width of the progress circle.

`\gothamInstituteLogoCircle[#1]` `\gothamInstituteLogoCircle` [*height* (4ex)]

Command that have to be redefined in order to include your circular logo. For example your can do `\renewcommand{\gothamInstituteLogoCircle}[1][4ex]{\includegraphics[height=#1`

`\useoutertheme` `\useoutertheme`[*option1=value1, ...*]{*gotham*}

where the options are (default marked as `default: default`):

`<progressbar position>` = [*default: foot | none | head | circlehead | ...*]

The 'package' (`useoutertheme`) options can control progress bar templates that be placed in the head (over the frametitle), frametitle (under it), below the footer or the circlehead (around the logo in the frametitle).

`\useoutertheme` `\useoutertheme`[*option1=value1, ...*]{*gotham*}

where the options are (default marked as `default: default`):

`<progressbar style>` = [*default: rectangle | rounded box | moving circle | fixed circle*]

The 'package' (`useoutertheme`) options can control progress bar style templates that .

`\useoutertheme` `\useoutertheme`[*option1=value1, ...*]{*gotham*}

where the options are (default marked as `default: default`):

`<progressbar advancement>` = [*default: tlbr | brlt*]

The 'package' (`useoutertheme`) options can control progress bar advancement: `tlbr`) from top left corner to the bottom and right or `brlt`) from the bottom right to the left and top.

`\useoutertheme` `\useoutertheme`[*option1=value1, ...*]{*gotham*}

where the options are (default marked as `default: default`):

`<progressbar mfn>` = [*default: off | on*]

The 'package' (`useoutertheme`) options can control if the progress bar includes a miniframe navigation.

Most options are passed off to the component sub-packages.

8 Package implementation for developers

```
1 (*font)
2 \ProvidesExplPackage{beamerfontthemegotham}{2024/09/20}{1.1.0.b}{gotham font theme}
3 \RequirePackage{expl3}
4 \RequirePackage{xparse}
5 \RequirePackage{etoolbox}
6 \RequirePackage{ifxetex}
7 \RequirePackage{ifluatex}
```

FONT

`font_messages` Definition of the messages that are used and reused by font theme.

```
8 \msg_new:nnn { gotham } { font-not-found }
9 {
10   Could~not~find~font~'#1'.\c_space_tl
11 }
12
13 \msg_new:nnn { gotham } { fonts-not-available }
14 {
15   No~suitable~fonts~found.~Using~fallback~fonts.
16 }
17
18 \msg_new:nnn { gotham } { compiler-xe-or-lua }
19 {
20   You~need~to~compile~with~XeLaTeX~or~LuaLaTeX~to~use~the~Fira~fonts.
21 }
```

(End of definition for font messages. This variable is documented on page ??.)

`\g_gotham_fontsnotfound_int:n` Counter for the number of font not found.

```
22 \int_new:N \g_gotham_fontsnotfound_int
```

(End of definition for \g_gotham_fontsnotfound_int:n. This variable is documented on page ??.)

`\checkfont:n` #1 : Name of the font.

Command to check if one font exist.

The following test files are used for this code: gotham-test-035.

```
23 \cs_new_protected:Nn \checkfont:n
24 {
25   \fontspec_font_if_exist:nF { #1 }
26   {
27     % false: check with regular postfix.
28     \fontspec_font_if_exist:nF { #1-Regular }
29     {
30       % false: raise a warning and increment the number of font not found.
31       \int_incr:N \g_gotham_fontsnotfound_int
32       \msg_warning:nnn { gotham } { font-not-found } { #1 }
33     }
34   }
35 }
```

`\iffontsavailable` Command to check if a list of font is available.

The following test files are used for this code: gotham-test-035.

```
36 \newcommand{\iffontsavailable}[3]
37 {
38   \int_zero:N \g_gotham_fontsnotfound_int
39   \clist_map_function:nN { #1 } \checkfont:n
40   \int_compare:nTF { \g_gotham_fontsnotfound_int = 0 }
41   {% True
42     #2
43   }{% False
44     #3
45   }
46 }
```

`Load_fonts_if_available` If fontspec is loadable (ie. if xelatex or luatex), then load available fonts, otherwise raise a warning and go on.

The following test files are used for this code: gotham-test-035.

```
47 \ifboolexpr{bool~{xetex}~or~bool~{luatex}}{
48   % if fontspec loaded pass option otherwise load fontspec.
```



```

49 \@ifpackageloaded{fontspec}{
50 \PassOptionsToPackage{no-math}{fontspec}
51 }{
52 \RequirePackage[no-math]{fontspec}
53 }
54 %
55 % We search for regular, italic, light, light italic, fonts under the default |Fira Sans| na
56 \iffontsavailable{FiraSans-Light.otf,
57   FiraSans-LightItalic.otf,
58   FiraSans-Regular.otf,
59   FiraSans-Italic.otf}
60 {
61 \setsansfont[ItalicFont={FiraSans-LightItalic.otf},
62   BoldFont={FiraSans-Regular.otf},
63   BoldItalicFont={FiraSans-Italic.otf}]
64 {FiraSans-Light.otf}
65 }{
66 % If this fails, the suffix OT --- used by some Linux distributions --- will be tried.
67 \iffontsavailable{FiraSans-Light-OT,
68   FiraSans-LightItalic-OT,
69   FiraSans-Regular-OT,
70   FiraSans-Italic-OT}
71 {
72 \setsansfont[ItalicFont={Fira-Sans-LightItalic-OT},
73   BoldFont={Fira-Sans-Regular-OT},
74   BoldItalicFont={Fira-Sans-Italic-OT}]
75 {Fira-Sans-Light-OT}
76 }{
77 % If this also fails, a warning will be displayed and the standard fonts will be used.
78 \msg_warning:nn { gotham } { fonts-not-available }%
79 }
80 }
81 %
82 % We search for regular, mono, and mono bold fonts under the default |Fira Mono| names.
83 \iffontsavailable{FiraMono-Medium.otf, FiraMono-Bold.otf}{
84 \setmonofont[BoldFont={FiraMono-Medium.otf}]{FiraMono-Bold.otf}
85 }{
86 % If this fails, the suffix OT --- used by some Linux distributions --- will be tried.
87 \iffontsavailable{Fira-Mono-Medium-OT, Fira-Mono-Bold-OT}{
88 \setmonofont[BoldFont={Fira-Mono-Medium-OT}]{Fira-Mono-Bold-OT}
89 }{
90 % If this also fails, a warning will be displayed and the standard fonts will be used.
91 \msg_warning:nn { gotham } { fonts-not-available }

```

```

92 }
93 }
94 %
95 % Add a feature for numbers in tables.
96 \AtBeginEnvironment{tabular}{
97   \addfontfeature{Numbers={Monospaced}}
98 }
99 }{
100 % If compiled with pdf\LaTeX{}, then apply a dirty patch (that will not do the job but supp
101 \msg_warning:nn { gotham } { compiler-xe-or-lua }
102 \DeclareFontShape{OT1}{cmss}{bx}{sc}{<-> cmbcsc10}{ }
103 \DeclareFontShape{OT1}{cmss}{bx}{it}{<->sub*cmss/m/sl}{ }
104 }

```

(End of definition for Load fonts if available. This function is documented on page ??.)

`\setbeamerfont{title}` Set all needed font environment variables:shape, size, series. Remark: Case is missing.
`general_font_definitions` *The following test files are used for this code: gotham-test-035, gotham-test-036.*

```

105 \setbeamerfont{title}{size=\Large, series=\bfseries}
106 \setbeamerfont*{subtitle}{size=\large}
107 \setbeamerfont{author}{size=\small}
108 \setbeamerfont{date}{size=\small}
109
110 \setbeamerfont{section~title}{size=\Large, series=\bfseries}
111 \setbeamerfont{subsection~title}{size=\large, series=\bfseries}
112 \setbeamerfont{subsubsection~title}{size=\normalsize, series=\bfseries}
113
114 \setbeamerfont{frametitle}{size=\large, series=\bfseries}
115 \setbeamerfont{frametitleToc}{size=\LARGE, series=\bfseries}
116 \setbeamerfont{frametitleSection}{size*={60}{1}, series=\bfseries}
117
118 \setbeamerfont{block~title}{size=\normalsize, series=\bfseries}
119 \setbeamerfont{block~title~alerted}{size=\normalsize, series=\bfseries}
120 \setbeamerfont{caption}{size=\small}
121 \setbeamerfont{caption~name}{series=\bfseries}
122 \setbeamerfont{description~item}{series=\bfseries}
123 \setbeamerfont{page~number~in~head/foot}{size=\scriptsize}
124
125 \setbeamerfont{bibliography~entry~author}{size=\normalsize, series=\normalfont}
126 \setbeamerfont{bibliography~entry~title}{size=\normalsize, series=\bfseries}
127 \setbeamerfont{bibliography~entry~location}{size=\normalsize, series=\normalfont}
128 \setbeamerfont{bibliography~entry~note}{size=\small, series=\normalfont}
129 \setbeamerfont{standout}{size=\Large, series=\bfseries}

```

(End of definition for `\setbeamerfont{title}` and general font definitions. These functions are documented on page ??.)

`_gotham_title_format:n` Pre-hooks that will be inserted to control case format of titles in addition with the fonts
`titles_ formats` set.

The following test files are used for this code: *gotham-test-035*, *gotham-test-036*.

```

130 \def\gotham@titleformat#1{#1}
131 \def\gotham@subtitleformat#1{#1}
132 \def\gotham@parttitleformat#1{#1}
133 \def\gotham@sectiontitleformat#1{#1}
134 \def\gotham@subsectiontitleformat#1{#1}
135 \def\gotham@frametitleformat#1{#1}
136 \def\gotham@framesubtitleformat#1{#1}
137 % IF ONE DAY: I can patch beamer with expl3, I will use the following commands instead.
138 % %% \cs_new:Npn \_gotham_unchanged:n #1 {#1}
139 % %% \cs_new:Npn \_gotham_title_format:n #1 {#1}
140 % %% \cs_new:Npn \_gotham_subtitle_format:n #1 {#1}
141 % %% \cs_new:Npn \_gotham_part_title_format:n #1 {#1}
142 % %% \cs_new:Npn \_gotham_section_title_format:n #1 {#1}
143 % %% \cs_new:Npn \_gotham_subsection_title_format:n #1 {#1}
144 % %% \cs_new:Npn \_gotham_frametitle_format:n #1 {#1}
145 % %% \cs_new:Npn \_gotham_framesubtitle_format:n #1 {#1}

```

`\beamer@title` Since, case feature is not available in `setbeamerfont`; to make the uppercase, lowercase
`\beamer@subtitle` and title-case macros work in the title, subtitle, etc., we have to patch the appropriate
`\sectionentry` beamer commands that set their values. This solution was suggested by Enrico Gregorio
in an answer to [this StackExchange question](#). Remark: `patchcmd` from `etoolbox` (or
other), is not compatible with `expl3`.

The following test files are used for this code: *gotham-test-035*, *gotham-test-036*.

```

146 \ExplSyntaxOff
147 \patchcmd{\beamer@title}
148   {\def\inserttitle{#2}}
149   {\def\inserttitle{\gotham@titleformat{#2}}}
150 % {\def\inserttitle{ \_gotham_title_format:n{#2} }}
151 {}
152 {\PackageError{beamerfontthemegotham}{Patching-title-failed}\@ehc}
153 \patchcmd{\beamer@subtitle}
154   {\def\insertsubtitle{#2}}
155   {\def\insertsubtitle{\gotham@subtitleformat{#2}}}

```

```

156 % {\def\insertsubtitle{ \_gotham_subtitle_format:n{#2} }}
157 {}
158 {\PackageError{beamerfontthemegotham}{Patching-subtitle-failed}\@ehc}
159 \patchcmd{\sectionentry} % beamerbasenavigation.sty 1.335
160 {\def\insertsectionhead{#2}}
161 {\def\insertsectionhead{\gotham@sectiontitleformat{#2}}}
162 {}
163 {\PackageError{beamerfontthemegotham}{Patching-section-title-failed}\@ehc}%
164 %
165 %% NOT WORKING YET!
166 %% \patchcmd{\subsectionentry} % beamerbasenavigation.sty 1.384
167 %% {\def\insertsubsectionhead{##5}}
168 %% {\def\insertsubsectionhead{\gotham@subsectiontitleformat{##5}}}
169 %% {}
170 %% {\PackageError{beamerfontthemegotham}{Patching-subsection-title-failed}\@ehc}%
171 %
172 \@tempwafalse
173 \patchcmd{\beamer@section} % beamerbasesection.sty 1. 209
174 {\def\insertsectionhead{\hyperlink{Navigation\the\c@page}{#1}}}
175 {\def\insertsectionhead{\hyperlink{Navigation\the\c@page}{\gotham@sectiontitleformat{#1}}}}
176 % \_gotham_section_title_format:n{#2}
177 {\@tempwatrue}
178 {}
179 \patchcmd{\beamer@section} % beamerbasesection.sty 1. 209
180 {\edef\insertsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\unexpanded{#1}}}}
181 {\edef\insertsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpand\gotham@sectio
182 % \exp_not:N \_gotham_section_title_format:n {#1}
183 {\@tempwatrue}
184 {}
185 \if@tempswa\else
186 {\PackageError{beamerfontthemegotham}{Patching-section-title-failed}\@ehc}
187 \fi
188 \@tempwafalse
189 %
190 %% NOT WORKING YET !
191 %% \patchcmd{\beamer@subsection} % beamerbasesection.sty 1. 209
192 %% {\def\insertsubsectionhead{\hyperlink{Navigation\the\c@page}{#1}}}
193 %% {\def\insertsubsectionhead{\hyperlink{Navigation\the\c@page}{\gotham@subsectiontitleforma
194 %% % \_gotham_subsection_title_format:n{#2}
195 %% {\@tempwatrue}
196 %% {}
197 %% \patchcmd{\beamer@subsection} % beamerbasesection.sty 1. 209
198 %% {\protected@edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{#1}}}

```

```

199 %% {\protected@edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpa
200 %% % \exp_not:N \__gotham_subsection_title_format:n {#1}
201 %% {\@tempwatrue}
202 %% {}
203 %% \if@tempswa\else
204 %% {\PackageError{beamerfontthemegotham}{Patching~subsection~title~failed}\@ehc}
205 %% \fi%
206 %% \@tempwafalse
207 %
208 %
209 % Similarly, to make the |\MakeLowercase| and |\MakeUppercase| macros work in the frame titl
210 \providecommand{\beamer@insertframetitlecontinuation}{
211 \usebeamertemplate*{frametitle~continuation}
212 }
213 \patchcmd{\beamer@@frametitle} % beamerbaselocalstructure.sty 1. 32
214 {\gdef\insertframetitle{%
215 #2%
216 \ifnum\beamer@autobreakcount>0
217 \relax{}\space%
218 \beamer@insertframetitlecontinuation%
219 \fi%
220 }}%
221 }
222 {\gdef\insertframetitle{%
223 \gotham@frametitleformat{#2}%
224 % \__gotham_frametitle_format:n {#2}
225 \ifnum\beamer@autobreakcount>0
226 \relax{}\space%
227 \beamer@insertframetitlecontinuation%
228 \fi%
229 }}%
230 }
231 {}
232 {\PackageWarning{beamerfontthemegotham}{Patching~frametitle~failed}\@ehc}
233 %
234 %% NOT WORKING YET !
235 %% \patchcmd{\framesubtitle} % beamerbaselocalstructure.sty 1.55
236 %% {\only#2{\ifblank{#1}{}}{\gdef\insertframesubtitle{#{1}}\beamer@aftersubtitle}}
237 %% {\only{#2}{\ifblank{#1}{}}{\gdef\insertframesubtitle{#{1}}\beamer@aftersubtitle}}
238 %% {}
239 %% {\PackageWarning{beamerfontthemegotham}{Patching~framesubtitle~failed}\@ehc}
240 %
241 \ExplSyntaxOn

```

(End of definition for `\beamer@title`, `\beamer@subtitle`, and `\sectionentry`. These functions are documented on page ??.)

`font_key_ interface` Controls the format and shape of the title (of the presentation), subtitle, part title, section title, subsection title, frametitle and framesubtitle.

The following test files are used for this code: `gotham-test-035`, `gotham-test-036`.

```
242 \keys_define:nn { gotham / font }
243 {
244   % format title
245   format~title .choice:,
246   format~title .usage:n = { general },
247   format~title .default:n = { regular },
248   format~title / regular .code:n =
249   {
250     \let\gotham@titleformat\@empty
251     % \cs_set_eq:NN \__gotham_title_format:n \__gotham_unchanged:n
252   },
253   format~title / lower .code:n =
254   {
255     \let\gotham@titleformat \text_lowercase:n %\lowercase
256     % \cs_set_eq:NN \__gotham_title_format:n \text_lowercase:n
257     \PackageWarning{ gotham } { Be-aware-that-format~title=lower~can-lead-to~problems. }
258   },
259   format~title / upper .code:n =
260   {
261     \let\gotham@titleformat \text_uppercase:n %\uppercase
262     % \cs_set_eq:NN \__gotham_title_format:n \text_uppercase:n
263     \PackageWarning{ gotham } { Be-aware-that-format~title=upper~can-lead-to~problems. }
264   },
265   format~title / titlecase .code:n =
266   {
267     \let\gotham@titleformat \text_titlecase_all:n %\MakeTitlecase
268     % \cs_set_eq:NN \__gotham_title_format:n \text_titlecase_all:n
269     \PackageWarning{ gotham } { Be-aware-that-format~title=titlecase~can-lead-to~problems. }
270   },
271   format~title / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl
272 }
273 \keys_define:nn { gotham / font }
274 {
275   % shape title
276   shape~title .choice:,
277   shape~title .usage:n = { general },
```

```

278 shape~title .default:n = { regular },
279 shape~title / regular .code:n =
280 {
281   \setbeamerfont{title}{shape=\normalfont}
282 },
283 shape~title / smallcaps .code:n =
284 {
285   \setbeamerfont{title}{shape=\scshape}
286 },
287 shape~title / italic .code:n =
288 {
289   \setbeamerfont{title}{shape=\itshape}
290 },
291 shape~title / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl'
292 }
293
294 \keys_define:nn { gotham / font }
295 {
296   % format subtitle
297   format~subtitle .choice:,
298   format~subtitle .usage:n = { general },
299   format~subtitle .default:n = { regular },
300   format~subtitle / regular .code:n =
301   {
302     \let\gotham@subtitleformat\@empty
303     % \cs_set_eq:NN \__gotham_subtitle_format:n \__gotham_unchanged:n
304   },
305   format~subtitle / lower .code:n =
306   {
307     \let\gotham@subtitleformat \text_lowercase:n %\lowercase
308     % \cs_set_eq:NN \__gotham_subtitle_format:n \text_lowercase:n
309     \PackageWarning{ gotham } { Be-aware-that-format~subtitle=lower-can-lead-to-problems. }
310   },
311   format~subtitle / upper .code:n =
312   {
313     \let\gotham@subtitleformat \text_uppercase:n %\uppercase
314     \cs_set_eq:NN \__gotham_subtitle_format:n \text_uppercase:n
315     \PackageWarning{ gotham } { Be-aware-that-format~subtitle=upper-can-lead-to-problems. }
316   },
317   format~subtitle / titlecase .code:n =
318   {
319     \let\gotham@subtitleformat \text_titlecase_all:n %\MakeTitlecase
320     % \cs_set_eq:NN \__gotham_subtitle_format:n \text_titlecase_all:n %\MakeTitlecase

```

```

321 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=titlecase-can-lead-to-problems.
322 },
323 format~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_value
324 }
325 \keys_define:nn { gotham / font }
326 {
327 % shape subtitle
328 shape~subtitle .choice:,
329 shape~subtitle .usage:n = { general },
330 shape~subtitle .default:n = { regular },
331 shape~subtitle / regular .code:n =
332 {
333 \setbeamerfont{subtitle}{shape=\normalfont}
334 },
335 shape~subtitle / smallcaps .code:n =
336 {
337 \setbeamerfont{subtitle}{shape=\scshape}
338 },
339 shape~subtitle / italic .code:n =
340 {
341 \setbeamerfont{subtitle}{shape=\itshape}
342 },
343 shape~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_value
344 }
345
346 \keys_define:nn { gotham / font }
347 {
348 % format frametitle
349 format~frametitle .choice:,
350 format~frametitle .usage:n = { general },
351 format~frametitle .default:n = { regular },
352 format~frametitle / regular .code:n =
353 {
354 \let\gotham@frametitleformat\@empty
355 % \cs_set_eq:NN \__gotham_frametitle_format:n \__gotham_unchanged:n
356 },
357 format~frametitle / lower .code:n =
358 {
359 \let\gotham@frametitleformat \text_lowercase:n %\lowercase
360 % \cs_set_eq:NN \__gotham_frametitle_format:n \text_lowercase:n
361 \PackageWarning{ gotham } { Be-aware-that-format-frametitle=lower-can-lead-to-problems. }
362 },
363 format~frametitle / upper .code:n =

```



```

364 {
365 \let\gotham@frametitleformat \text_uppercase:n %\uppercase
366 % \cs_set_eq:NN \_gotham_frametitle_format:n \text_uppercase:n
367 \PackageWarning{ gotham } { Be-aware-that-format~frametitle=upper-can-lead-to-problems. }
368 },
369 format~frametitle / titlecase .code:n =
370 {
371 \let\gotham@frametitleformat \text_titlecase_all:n %\Maketitlecase
372 % \cs_set_eq:NN \_gotham_frametitle_format:n \text_titlecase_all:n %\MakeTitlecase
373 \PackageWarning{ gotham } { Be-aware-that-format~frametitle=titlecase-can-lead-to-problems
374 },
375 format~frametitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_val
376 }
377 \keys_define:nn { gotham / font }
378 {
379 % shape frametitle
380 shape~frametitle .choice:,
381 shape~frametitle .usage:n = { general },
382 shape~frametitle .default:n = { regular },
383 shape~frametitle / regular .code:n =
384 {
385 \setbeamerfont{frametitle}{shape=\normalfont}
386 },
387 shape~frametitle / smallcaps .code:n =
388 {
389 \setbeamerfont{frametitle}{shape=\scshape}
390 },
391 shape~frametitle / italic .code:n =
392 {
393 \setbeamerfont{frametitle}{shape=\itshape}
394 },
395 shape~frametitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_valu
396 }
397
398 \keys_define:nn { gotham / font }
399 {
400 % format framesubtitle
401 format~framesubtitle .choice:,
402 format~framesubtitle .usage:n = { general },
403 format~framesubtitle .default:n = { regular },
404 format~framesubtitle / regular .code:n =
405 {
406 \let\gotham@framesubtitleformat\@empty

```

```

407 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \__gotham_unchanged:n
408 },
409 format~framesubtitle / lower .code:n =
410 {
411 \let\gotham@framesubtitleformat \text_lowercase:n %\lowercase
412 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_lowercase:n
413 \PackageWarning{ gotham } { Be-aware-that-format~framesubtitle=lower-can-lead-to-problems.
414 },
415 format~framesubtitle / upper .code:n =
416 {
417 \let\gotham@framesubtitleformat \text_uppercase:n %\uppercase
418 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_uppercase:n
419 \PackageWarning{ gotham } { Be-aware-that-format~framesubtitle=upper-can-lead-to-problems.
420 },
421 format~framesubtitle / titlecase .code:n =
422 {
423 \let\gotham@framesubtitleformat \text_titlecase_all:n %\Maketitlecase
424 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_titlecase_all:n %\Maketitlecase
425 \PackageWarning{ gotham } { Be-aware-that-format~framesubtitle=titlecase-can-lead-to-probl
426 },
427 format~framesubtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_
428 }
429 \keys_define:nn { gotham / font }
430 {
431 % shape framesubtitle
432 shape~framesubtitle .choice:,
433 shape~framesubtitle .usage:n = { general },
434 shape~framesubtitle .default:n = { regular },
435 shape~framesubtitle / regular .code:n =
436 {
437 \setbeamerfont{framesubtitle}{shape=\normalfont}
438 },
439 shape~framesubtitle / smallcaps .code:n =
440 {
441 \setbeamerfont{framesubtitle}{shape=\scshape}
442 },
443 shape~framesubtitle / italic .code:n =
444 {
445 \setbeamerfont{framesubtitle}{shape=\itshape}
446 },
447 shape~framesubtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_v
448 }
449

```

```

450 \keys_define:nn { gotham / font }
451 {
452 % format part
453 format~part .choice:,
454 format~part .usage:n = { general },
455 format~part .default:n = { regular },
456 format~part / regular .code:n =
457 {
458 \let\gotham@parttitleformat\@empty
459 % \cs_set_eq:NN \__gotham_part_title_format:n \text_titlecase:n
460 },
461 format~part / lower .code:n =
462 {
463 \let\gotham@parttitleformat \text_lowercase:n %\lowercase
464 % \cs_set_eq:NN \__gotham_part_title_format:n \text_lowercase:n
465 \PackageWarning{ gotham } { Be-aware-that-format~part=lower-can-lead-to-problems. }
466 },
467 format~part / upper .code:n =
468 {
469 \let\gotham@parttitleformat \text_uppercase:n %\uppercase
470 % \cs_set_eq:NN \__gotham_part_title_format:n \text_uppercase:n
471 \PackageWarning{ gotham } { Be-aware-that-format~part=upper-can-lead-to-problems. }
472 },
473 format~part / titlecase .code:n =
474 {
475 \let\gotham@parttitleformat\text_titlecase_all:n %\Maketitlecase
476 % \cs_set_eq:NN \__gotham_part_title_format:n \text_titlecase:n
477 \PackageWarning{ gotham } { Be-aware-that-format~part=titlecase-can-lead-to-problems. }
478 },
479 format~part / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl'
480 }
481 \keys_define:nn { gotham / font }
482 {
483 % shape part
484 shape~part .choice:,
485 shape~part .usage:n = { general },
486 shape~part .default:n = { regular },
487 shape~part / regular .code:n =
488 {
489 \setbeamerfont{part~title}{shape=\normalfont}
490 },
491 shape~part / smallcaps .code:n =
492 {

```

```

493 \setbeamerfont{part~title}{shape=\scshape}
494 },
495 shape~part / italic .code:n =
496 {
497 \setbeamerfont{part~title}{shape=\itshape}
498 },
499 shape~part / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~
500 }
501
502 \keys_define:nn { gotham / font }
503 {
504 % format section
505 format~section .choice:,
506 format~section .usage:n = { general },
507 format~section .default:n = { regular },
508 format~section / regular .code:n =
509 {
510 \let\gotham@sectiontitleformat\@empty
511 % \cs_set_eq:NN \__gotham_section_title_format:n \__gotham_unchanged:n
512 },
513 format~section / lower .code:n =
514 {
515 \let\gotham@sectiontitleformat \text_lowercase:n %\lowercase
516 % \cs_set_eq:NN \__gotham_section_title_format:n \text_lowercase:n
517 \PackageWarning{ gotham } { Be~aware~that~format~section=lower~can~lead~to~problems. }
518 },
519 format~section / upper .code:n =
520 {
521 \let\gotham@sectiontitleformat \text_uppercase:n %\uppercase
522 % \cs_set_eq:NN \__gotham_section_title_format:n \text_uppercase:n
523 \PackageWarning{ gotham } { Be~aware~that~format~section=upper~can~lead~to~problems. }
524 },
525 format~section / titlecase .code:n =
526 {
527 \let\gotham@sectiontitleformat \text_titlecase_all:n %\Maketitlecase
528 % \cs_set_eq:NN \__gotham_section_title_format:n \text_titlecase_all:n
529 \PackageWarning{ gotham } { Be~aware~that~format~section=titlecase~can~lead~to~problems. }
530 },
531 format~section / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_
532 }
533 \keys_define:nn { gotham / font }
534 {
535 % shape section

```

```

536 shape~section .choice:,
537 shape~section .usage:n = { general },
538 shape~section .default:n = { regular },
539 shape~section / regular .code:n =
540 {
541   \setbeamerfont{section~title}{shape=\normalfont}
542 },
543 shape~section / smallcaps .code:n =
544 {
545   \setbeamerfont{section~title}{shape=\scshape}
546 },
547 shape~section / italic .code:n =
548 {
549   \setbeamerfont{section~title}{shape=\itshape}
550 },
551 shape~section / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_t
552 }
553
554 \keys_define:nn { gotham / font }
555 {
556   % format subsection
557   format~subsection .choice:,
558   format~subsection .usage:n = { general },
559   format~subsection .default:n = { regular },
560   format~subsection / regular .code:n =
561   {
562     \let\gotham@subsectiontitleformat\@empty
563     % \cs_set_eq:NN \__gotham_subsection_title_format:n \__gotham_unchanged:n
564   },
565   format~subsection / lower .code:n =
566   {
567     \let\gotham@subsectiontitleformat \text_lowercase:n %\lowercase
568     % \cs_set_eq:NN \__gotham_subsection_title_format:n \text_lowercase:n
569     \PackageWarning{ gotham } { Be~aware~that~format~subsection=lower~can~lead~to~problems. }
570   },
571   format~subsection / upper .code:n =
572   {
573     \let\gotham@subsectiontitleformat \text_uppercase:n %\uppercase
574     % \cs_set_eq:NN \__gotham_subsection_title_format:n \text_uppercase:n
575     \PackageWarning{ gotham } { Be~aware~that~format~subsection=upper~can~lead~to~problems. }
576   },
577   format~subsection / titlecase .code:n =
578   {

```

```

579 \let\gotham@subsectiontitleformat\text_titlecase_all:n %\Maketitlecase
580 % \cs_set_eq:NN \_gotham_subsection_title_format:n \text_titlecase_all:n
581 \PackageWarning{ gotham } { Be-aware-that-format-subsection=titlecase-can-lead-to-problems
582 },
583 format~subsection / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_val
584 }
585 \keys_define:nn { gotham / font }
586 {
587 % shape subsection
588 shape~subsection .choice:,
589 shape~subsection .usage:n = { general },
590 shape~subsection .default:n = { regular },
591 shape~subsection / regular .code:n =
592 {
593 \setbeamerfont{subsection~title}{shape=\normalfont}
594 },
595 shape~subsection / smallcaps .code:n =
596 {
597 \setbeamerfont{subsection~title}{shape=\scshape}
598 },
599 shape~subsection / italic .code:n =
600 {
601 \setbeamerfont{subsection~title}{shape=\itshape}
602 },
603 shape~subsection / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_valu
604 }

```

(End of definition for font key - interface. This function is documented on page ??.)

`Default_font_keys` Apply default key options.

The following test files are used for this code: gotham-test-035.

```

605 % when no value is given, default is called.
606 \keys_set:nn { gotham / font } {
607 format~title, shape~title,
608 format~subtitle, shape~subtitle,
609 format~frametitle, shape~frametitle,
610 format~framesubtitle, shape~framesubtitle,
611 format~part, shape~part,
612 format~section, shape~section,
613 format~subsection, shape~subsection,
614 }

```

(End of definition for Default font keys. This function is documented on page ??.)

Process_font_keys Process package options.

The following test files are used for this code: gotham-test-035.

```
615 \ProcessKeyOptions[ gotham / font ]
```

(End of definition for Process font keys. This function is documented on page ??.)

```
616 %\endinput
```

```
617 </font>
```

```
618 <*color>
```

```
619 \ProvidesExplPackage{beamercolorthemegotham}{2024/09/20}{1.1.0.b}{Gotham color theme}
```

```
620 \RequirePackage{expl3}
```

```
621 \RequirePackage{xparse}
```

```
622 \RequirePackage{xcolor}
```

COLOR

\definecolor[named]{gAnthracite} Definition of the Gotham colors.

colors_definition

```
623 \definecolor[named]{gLightOrange}{HTML}{EB811B}
```

```
624 \definecolor[named]{gLightGreen}{HTML}{14B03D}
```

```
625 \definecolor[named]{gDeepBlue}{RGB}{42, 42, 255}
```

```
626 \definecolor[named]{gDeepYellow}{RGB}{255, 204, 0}
```

```
627 \definecolor[named]{gAnthracite}{HTML}{2d3e50}
```

```
628 \definecolor[named]{gLightTeal}{RGB}{172, 195, 210}
```

```
629 \definecolor[named]{gPaleYell}{RGB}{255, 255, 240}
```

```
630 \definecolor[named]{gDarkBlack}{gray}{0.1}
```

```
631 \definecolor[named]{gDarkGrey}{gray}{0.25}
```

```
632 \definecolor[named]{gMidGrey}{gray}{0.5}
```

```
633 \definecolor[named]{gLightGrey}{gray}{0.9}
```

(End of definition for \definecolor[named]{gAnthracite} and colors definition. These variables are documented on page ??.)

\colorlet{colorPale} A set Gotham palette: a list of color variables easily adapted.

set_gotham_palette_colors

```
634 % Define the color palette
```

```
635 \@ifundefined{\string\color@colorAreversed}{
```

```
636 % default colorset.
```

```
637 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
```

```
638 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
```

```
639 \colorlet{colorA}{gAnthracite} % frametitle, stdin.out,
```

```
640 \colorlet{colorAreversed}{gLightTeal} % frametitle, stdin.in,
```

```

641 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
642 \colorlet{colorC}{gDeepYell0r} % progress bar
643 \colorlet{colorD}{gLightOrange} % alert
644 \colorlet{colorE}{gLightGreen} % example
645 }{
646 % else nothing to do, colors are already defined.
647 }

```

(End of definition for `\colorlet{colorPale}` and set gotham palette colors. These variables are documented on page 25.)

`_gotham_color_set_style_anthracite:`

Command to activate anthracite colorset.

The following test files are used for this code: gotham-test-1037.

```

648 \cs_new_protected:Nn \_gotham_color_set_style_anthracite:{
649 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
650 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
651 \colorlet{colorA}{gAnthracite} % frametitle, stdin.out,
652 \colorlet{colorAreversed}{gLightTeal} % frametitle, stdin.in,
653 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
654 \colorlet{colorC}{gDeepYell0r} % progress bar
655 \colorlet{colorD}{gLightOrange} % alert
656 \colorlet{colorE}{gLightGreen} % example
657 }

```

`_gotham_color_set_style_red:`

Command to activate red colorset.

The following test files are used for this code: gotham-test-1037.

```

658 \cs_new_protected:Nn \_gotham_color_set_style_red:{
659 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
660 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
661 \colorlet{colorA}{red} % frametitle, stdin.out,
662 \colorlet{colorAreversed}{gLightTeal} % frametitle, stdin.in,
663 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
664 \colorlet{colorC}{gDeepYell0r} % progress bar
665 \colorlet{colorD}{gLightOrange} % alert
666 \colorlet{colorE}{gLightGreen} % example
667 }

```


`\colorlet{colorBG}{colorPale}` A set of variable easily adapted.
`set_functional_colors`

```
668 % Define the color palette
669 \colorlet{colorBG}{colorPale}
670 \colorlet{colorFG}{colorDark}
671 \colorlet{colorFrametitle}{colorA}
672 \colorlet{colorStandout}{colorA}
673 \colorlet{colorStandin}{colorPale}
674 \colorlet{colorTitlepage}{colorA}
675 \colorlet{colorFiligrane}{colorB}
676 \colorlet{colorBackElement}{colorB}
677 \colorlet{colorProgBar}{colorC}
678 \colorlet{colorAlert}{colorD}
679 \colorlet{colorExample}{colorE}
```

(End of definition for `\colorlet{colorBG}{colorPale}` and set functional colors. These variables are documented on page 25.)

`\providebool{darkBG}` Variable to track color setup.
`\providebool{transparentBG}`

```
680 % \providebool{reversedColor}
681 % \boolfalse{reversedColor}
682 \providebool{darkBG}
683 \boolfalse{darkBG}
684 \providebool{transparentBG}
685 \booltrue{transparentBG}
```

(End of definition for `\providebool{darkBG}` and `\providebool{transparentBG}`. These variables are documented on page ??.)

`_gotham_color_set_darkBG:`

Command to activate dark mode

The following test files are used for this code: gotham-test-037.

```
686 \cs_new_protected:Nn \_gotham_color_set_darkBG:{
687 \setbeamercolor{normal~text}{%
688   fg=colorBG,
689   bg=colorFG,
690 }%
691 \usebeamercolor[fg]{normal~text}%
692 \booltrue{darkBG}%
693 \boolfalse{transparentBG}
694 \colorlet{colorFrametitle}{colorAreversed}
695 \colorlet{colorStandout}{colorAreversed}
696 \colorlet{colorStandin}{colorFG}
697 \colorlet{colorTitlepage}{colorAreversed}
698 % dark
699 \setbeamercolor{palette~primary}{% reversed color compared to normal text
700   use=normal~text,
701   fg=normal~text.bg,
702   bg=normal~text.fg
703 }
704 }
```

`_gotham_color_set_lightBG:`

Command to activate light background.

The following test files are used for this code: gotham-test-037.

```
705 \cs_new_protected:Nn \_gotham_color_set_lightBG:{
706 \setbeamercolor{normal~text}{
707   fg=colorFG,
708   bg=colorBG
709 }
710 \usebeamercolor[fg]{normal~text}
711 \boolfalse{darkBG}
712 \boolfalse{transparentBG}
713 \colorlet{colorFrametitle}{colorA}
714 \colorlet{colorStandout}{colorA}
715 \colorlet{colorStandin}{colorBG}
716 \colorlet{colorTitlepage}{colorA}
717 % light
718 \setbeamercolor{palette~primary}{
719   % reversed color compared to normal text
720   use=normal~text,
721   fg=normal~text.bg,
722   bg=normal~text.fg
723 }
724 }
```

`_gotham_color_set_transparentBG:`

Command to activate transparent background.

The following test files are used for this code: gotham-test-037.

```
725 % \newcommand{\gotham@colors@transparent}{  
726 \cs_new_protected:Nn \_gotham_color_set_transparentBG:{  
727 \setbeamercolor{normal~text}{  
728   fg=colorFG,  
729   bg=,  
730 }  
731 \usebeamercolor[fg]{normal~text}  
732 \boolfalse{darkBG}  
733 \booltrue{transparentBG}  
734 \colorlet{colorFrametitle}{colorA}  
735 \colorlet{colorStandout}{colorA}  
736 {\usebeamercolor[bg]{normal~text}\colorlet{colorStandin}{bg}}% this is not working because  
737 % \usebeamercolor{normal~text} % reset % NOT working neither  
738 \colorlet{colorStandin}{colorBG} % since the two previous lines are not working, let define  
739 \colorlet{colorTitlepage}{colorA}  
740 % like light background.  
741 \setbeamercolor{palette~primary}{  
742   % reversed color compared to normal text  
743   use=normal~text,  
744   fg=colorBG,  
745   bg=normal~text.fg  
746 }  
747 }
```

`_gotham_color_set_transparent_block:`

Command to activate transparent block.

The following test files are used for this code: gotham-test-037.

```
748 \cs_new_protected:Nn \_gotham_color_set_transparent_block:{
749 \setbeamercolor{block~title}{
750   use=normal~text,
751   fg=normal~text.fg,
752   bg=
753 }
754 \setbeamercolor{block~body}{
755   bg=
756 }
757 \setbeamercolor{alerted~text}{
758   fg=colorAlert
759 }
760 \setbeamercolor{example~text}{
761   fg=colorExample
762 }
763 \setbeamercolor{block~title~example}{
764   use={block~title, example~text},
765   bg=block~title.bg,
766   fg=example~text.fg
767 }
768 \setbeamercolor{block~title~alerted}{
769   use={block~title, alerted~text},
770   bg=block~title.bg,
771   fg=alerted~text.fg
772 }
773 }
```

`_gotham_color_set_fill_block:`

Command to activate fill block.

The following test files are used for this code: gotham-test-037.

```
774 \cs_new_protected:Nn \_gotham_color_set_fill_block:{
775 \setbeamercolor{block~title}{
776   fg=colorBackElement!10!normal~text.fg,
777   bg=colorBackElement!135!fg
778 }
779 \setbeamercolor{block~body}{
780   use={block~title, normal~text},
781   bg=block~title.bg!50!normal~text.bg
782 }
783 \setbeamercolor{alerted~text}{
784   fg=colorAlert
785 }
786 \setbeamercolor{example~text}{
787   fg=colorExample
788 }
789 \setbeamercolor{block~title~example}{
790   use={block~title, example~text},
791   bg=block~title.bg,
792   fg=example~text.fg
793 }
794 \setbeamercolor{block~title~alerted}{
795   use={block~title, alerted~text},
796   bg=block~title.bg,
797   fg=alerted~text.fg
798 }
799 }
```

`_gotham_color_set_native_block:`

Command to activate native block.

The following test files are used for this code: gotham-test-037.

```
800 \cs_new_protected:Nn \_gotham_color_set_native_block:{
801 \setbeamercolor{block~title}{
802   fg=colorPale,
803   bg=colorBackElement!90!fg
804 }
805 \setbeamercolor{block~body}{
806   use={block~title, normal~text},
807   bg=block~title.bg!50!normal~text.bg
808 }
809 \setbeamercolor{alerted~text}{
810   fg=colorAlert
811 }
812 % With native block, we have to let alerted text with a visible color (not pale) to keep al
813 % So, we have to create an extra color: alertedBlock~text.
814 \setbeamercolor{alertedBlock~text}{
815   fg=colorPale
816 }
817 \setbeamercolor{example~text}{
818   fg=colorPale
819 }
820 \setbeamercolor{block~title~alerted}{
821   use={block~title, alertedBlock~text},
822   bg=colorAlert,
823   fg=alertedBlock~text.fg
824 }
825 \setbeamercolor{block~title~example}{
826   use={block~title, example~text},
827   bg=colorExample,
828   fg=example~text.fg
829 }
830 }
```

`Gotham_color_adaptation` Set colors variable from Gotham color setup that needs specific adaptation, i.e. `structure` as mentioned in Beamer documentation and `progress bar` since it is a new feature.

The following test files are used for this code: gotham-test-037.

```
831 \setbeamercolor{structure}{use=normal~text, fg=normal~text.fg}
```

```

832 \setbeamercolor{progress~bar}{
833   use=alerted~text,
834   fg=colorProgBar,
835   bg=alerted~text.fg!50!black!30
836 }

```

(End of definition for Gotham color adaptation. This function is documented on page ??.)

`Usual_color_env` Set colors variable from Gotham color setup. The titles and structural elements (e.g. `itemize` bullets) are set in the same color as `normal text`. This would ideally be done by setting `normal text` as a parent style, which we do to set `titlelike`, but this doesn't work for `structure` as its foreground is set explicitly in `beamercolorthemedefault.sty`.

The following test files are used for this code: `gotham-test-037`.

```

837 \setbeamercolor{titlelike}{use=normal~text, parent=normal~text}
838 \setbeamercolor{author}{use=normal~text, parent=normal~text}
839 \setbeamercolor{date}{use=normal~text, parent=normal~text}
840 \setbeamercolor{institute}{use=normal~text, parent=normal~text}
841 \setbeamercolor{frametitle}{
842   use=palette~primary,
843   parent=palette~primary,
844   bg=colorFrametitle
845 }
846 % The Gotham inner or outer themes optionally display progress bars in various locations.
847 % Their color is set by |progress bar| but the two different kinds can be customized separately.
848 % The horizontal rule on the title page is also set based on the progress bar color and can be customized.
849 \setbeamercolor{title~separator}{
850   use=progress~bar,
851   parent=progress~bar
852 }
853 \setbeamercolor{progress~bar~in~head/foot}{%
854   use=progress~bar,
855   parent=progress~bar
856 }
857 \setbeamercolor{progress~bar~in~part~page}{
858   use=progress~bar,
859   parent=progress~bar
860 }
861 \setbeamercolor{progress~bar~in~section~page}{
862   use=progress~bar,
863   parent=progress~bar
864 }
865 \setbeamercolor{progress~bar~in~splitvert}{

```



```

866 use=progress~bar,
867 parent=progress~bar
868 }
869 % \setbeamercolor{progress~bar~in~subsection~page}{
870 % use=progress~bar,
871 % parent=progress~bar
872 % }
873 % \setbeamercolor{progress~bar~in~subsubsection~page}{
874 % use=progress~bar,
875 % parent=progress~bar
876 % }
877 %
878 % Blocks
879 \setbeamercolor{block~body~alerted}{use=block~body, parent=block~body}
880 \setbeamercolor{block~body~example}{use=block~body, parent=block~body}
881 %
882 % Footnote
883 \setbeamercolor{footnote}{fg=normal~text.fg!90}
884 \setbeamercolor{footnote~mark}{fg=;}
885 %
886 % Bibliography
887 %
888 % We also reset the bibliography colors in order to pick up the surrounding colors at the ti
889 % This prevents us having to set the correct color in normal and standout mode.
890 % \setbeamercolor{bibliography entry author}{fg=, bg=}
891 % \setbeamercolor{bibliography entry title}{fg=, bg=}
892 % \setbeamercolor{bibliography entry location}{fg=, bg=}
893 % \setbeamercolor{bibliography entry note}{fg=, bg=}

```

(End of definition for Usual color env. This function is documented on page ??.)

`new_color_environments` Set up colors for the the new beamer environment used by the theme.

The following test files are used for this code: gotham-test-037.

```

894 \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
895 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
896 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
897
898 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
899 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
900 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}

```

(End of definition for new color environments. This function is documented on page ??.)

`color_key_interface` Controls the background mode (dark, light or transparent background) and the block (fill or transparent) and colorset (anthracite, red, blue, green, etc).

The following test files are used for this code: `gotham-test-037`.

```
901 \keys_define:nn { gotham / color }
902 {
903   % block
904   block .choice:,
905   block .usage:n = { general },
906   block .default:n = { native },
907   block / native .code:n = { \__gotham_color_set_native_block: },
908   block / transparent .code:n = { \__gotham_color_set_transparent_block: },
909   block / fill .code:n = { \__gotham_color_set_fill_block: },
910   block / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is~un
911 }
912
913 \keys_define:nn { gotham / color }
914 {
915   % background
916   background .choice:,
917   background .usage:n = { general },
918   background .default:n = { transparent },
919   background / transparent .code:n = { \__gotham_color_set_transparentBG: },
920   background / light .code:n = { \__gotham_color_set_lightBG: },
921   background / dark .code:n = { \__gotham_color_set_darkBG: },
922   background / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~
923 }
924
925 \keys_define:nn { gotham / color }
926 {
927   % colorset
928   colorset .choice:,
929   colorset .usage:n = { general },
930   colorset .default:n = { anthracite },
931   colorset / anthracite .code:n = { \__gotham_color_set_style_anthracite: },
932   colorset / red .code:n = { \__gotham_color_set_style_red: },
933   % colorset / blue .code:n = { },
934   % colorset / green .code:n = { },
935   % colorset / orange .code:n = { },
936   % colorset / teal .code:n = { },
937   colorset / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is
938 }
```

(End of definition for color key - interface. This function is documented on page ??.)

`Default_color_keys` Apply default key options.

The following test files are used for this code: `gotham-test-037`.

```
939 % when no value is given, default is called.  
940 \keys_set:nn { gotham / color } { background, block, colorset }
```

(End of definition for Default color keys. This function is documented on page ??.)

`Process_color_keys` Process package options.

The following test files are used for this code: `gotham-test-037`.

```
941 \ProcessKeyOptions[ gotham / color ]  
942 \mode<all>
```

(End of definition for Process color keys. This function is documented on page ??.)

```
943 %\endinput  
944 </color>
```

```
945 <*inner>  
946 \ProvidesExplPackage{beamerinnerthemegotham}{2024/09/20}{1.1.0.b}{gotham inner theme}  
947 \RequirePackage{expl3}  
948 \RequirePackage{xparse}  
949 \RequirePackage{calc}  
950 \RequirePackage{tikz}
```

INNER

A `beamer` inner theme dictates the style of the frame elements traditionally set in the “body” of each slide. These include:

- title page;
- backgrounds;
- `standin/out`;
- part, section etc, pages;
- table of content pages (including for sections...);
- environment elements:
 - `itemize`, `enumerate`, and `description` environments;

- block environments including theorems and proofs;
- figures and tables; and
- footnotes and plain text.

Titlepage

Compatibility_mode_for_colors FROM COLOR THEME: useful to provide this recall when the inner theme is loaded without the color theme.

```

951 \@ifundefined{\string\color@colorProgBar}{
952 \providebool{darkBG} \boolfalse{darkBG}
953 \providebool{transparentBG} \booltrue{transparentBG}
954 \colorlet{colorBG}{white}
955 \colorlet{colorFG}{black}
956 \colorlet{colorFrametitle}{purple}
957 \colorlet{colorStandout}{purple}
958 \colorlet{colorStandin}{purple}
959 \colorlet{colorTitlepage}{purple}
960 \colorlet{colorFiligrane}{gray}
961 \colorlet{colorBackElement}{gray}
962 \colorlet{colorProgBar}{orange}
963 \colorlet{colorAlert}{red}
964 \colorlet{colorExample}{green}
965 \colorlet{colorFrametitle}{purple}
966 \colorlet{colorTitlepage}{purple}
967 \setbeamercolor{progress~bar}{
968 use=alerted~text,
969 fg=colorProgBar,
970 bg=alerted~text.fg!50!black!30
971 }
972 \setbeamercolor{progress~bar~in~head/foot}{%
973 use=progress~bar,
974 parent=progress~bar
975 }
976 \setbeamercolor{progress~bar~in~part~page}{
977 use=progress~bar,
978 parent=progress~bar
979 }
980 \setbeamercolor{progress~bar~in~section~page}{
981 use=progress~bar,
982 parent=progress~bar
983 }
984 \setbeamercolor{progress~bar~in~splitvert}{

```

```

985   use=progress~bar,
986   parent=progress~bar
987 }
988 \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
989 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
990 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
991 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
992 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
993 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
994 }{
995 % else the colors are defined: this is fine.
996 }

```

(End of definition for Compitibility mode for colors. This function is documented on page ??.)

`\maketitle` Normal people should use `\maketitle` or `\titlepage` instead of using the `title page` beamer template directly. Beamer already defines these macros, but we patch them here to make the title page `[plain]` by default, remove `\@thanks`, and ensure the title frame number doesn't count. Inserts the title frame, or causes the current frame to use the `title page` template.

The following test files are used for this code: gotham-test-038.

```

997 \def\maketitle{
998   \ifbeamer@inframe
999     \titlepage
1000  \else
1001    \frame[plain, noframenubering]{\titlepage}
1002  \fi
1003 }
1004 \def\titlepage{
1005   \usebeamertemplate{title~page}
1006 }

```

(End of definition for \maketitle and \titlepage. These functions are documented on page ??.)

`\defbeamertemplate{title~graphic}{gotham}` Definition of elements templates that will be used in `titlepage`.

The following test files are used for this code: gotham-test-038.

```

1007 \defbeamertemplate*{title~graphic}{gotham}{
1008   % \vbox to 0pt {% %%%% MODIFIED !
1009   \vbox{
1010     % \vspace*{2em} %%%% COMMENT ADDED !
1011   \inserttitlegraphic

```

```

1012 }
1013 \nointerlineskip
1014 }
1015 \defbeamertemplate*{title}{gotham}{
1016 %\raggedright% %%%% COMMENT ADDED !
1017 \linespread{1.0}
1018 \inserttitle
1019 \par
1020 \vspace*{0.5em}
1021 }
1022 \defbeamertemplate*{subtitle}{gotham}{
1023 %\raggedright% %%%% COMMENT ADDED !
1024 \insertsubtitle
1025 \par
1026 \vspace*{0.5em}
1027 }
1028 \defbeamertemplate*{author}{gotham}{
1029 \vspace*{1.em}
1030 \insertauthor
1031 \par
1032 \vspace*{0.25em}
1033 }
1034 \defbeamertemplate*{date}{gotham}{
1035 \insertdate
1036 \par
1037 }
1038 \defbeamertemplate*{institute}{gotham}{
1039 \vspace*{3mm}
1040 \insertinstitute
1041 \par
1042 }

```

(End of definition for \defbeamertemplate{title-graphic}{gotham}. This function is documented on page ??.)

```

\l__gotham_titleseparator_width_dim Define the new lengths that will be used for titlepage templates.
\l__gotham_titleseparator_height_dim
\l__gotham_title_width_dim
\l__gotham_subtitle_width_dim
\l__gotham_title_max_width_dim
1043 \dim_new:N \l__gotham_titleseparator_width_dim
1044 \dim_set:Nn \l__gotham_titleseparator_width_dim {\textwidth}
1045 \dim_new:N \l__gotham_titleseparator_height_dim
1046 \dim_set:Nn \l__gotham_titleseparator_height_dim {2pt}
1047 % \newlength{\titlewidth}
1048 % \newlength{\subtitlewidth}
1049 % \newlength{\maxwidth}

```

```

1050 \dim_new:N \l__gotham_title_width_dim
1051 \dim_new:N \l__gotham_subtitle_width_dim
1052 \dim_new:N \l__gotham_title_max_width_dim

```

(End of definition for `\l__gotham_titleseparator_width_dim` and others.)

`\defbeamertemplate*{title-separator}{gotham}` Define a new template for “line” displayed on some titlepage templates.

```

1053 \defbeamertemplate*{title~separator}{gotham}{
1054 \begin{tikzpicture}
1055 % \fill[fg] (0,0) rectangle (\gotham@titleseparator@linewidth, \gotham@titleseparator@line
1056 \fill[fg] (0,0) rectangle
1057 (\dim_use:N \l__gotham_titleseparator_width_dim,
1058 \dim_use:N \l__gotham_titleseparator_height_dim);
1059 \end{tikzpicture}
1060 \par
1061 }

```

(End of definition for `\defbeamertemplate*{title-separator}{gotham}`. This variable is documented on page ??.)

`\gothamtitlepagelogo` The following test files are used for this code: *gotham-test-038*.

```

1062 \providecommand{\gothamtitlepagelogo}{}

```

(End of definition for `\gothamtitlepagelogo`. This variable is documented on page 26.)

`\gothamtitlepagebg` The following test files are used for this code: *gotham-test-038*.

```

1063 \providecommand{\gothamtitlepagebg}{}

```

(End of definition for `\gothamtitlepagebg`. This variable is documented on page 26.)

`\defbeamertemplate{title-page}{gotham-normal}` Template for the normal gotham title page. Each element is only typeset if it is defined by the user. If `\subtitle` is empty, for example, it won’t leave a blank space on the title slide.

The following test files are used for this code: *gotham-test-038*.

```

1064
1065 % Beamer’s definition of |\insertauthor| is always nonempty, so we have to test another macro
1066 % This solution was suggested by Sam Carter in an answer to \href{https://tex.stackexchange
1067
1068 \defbeamertemplate{title~page}{gotham-normal}{
1069 \ifx\insertframetitle\@empty\else\vspace*{-3em}\fi
1070 \begin{picture}(0,0)

```

```

1071 % The text: title, author, institute, etc.
1072 \put(-30,-125){\noindent
1073   \fcolorbox{normal~text.bg}{normal~text.bg}{
1074     \begin{minipage}[b][\paperheight]{\paperwidth}
1075       \parbox[c][0pt][c]{0pt}{\gothamtitlepagebg}
1076       \centering
1077       \vfill
1078       \ifx\inserttitle\@empty\else\usebeamertemplate*{title}\fi
1079       \ifx\insertsubtitle\@empty\else\usebeamertemplate*{subtitle}\fi
1080       \usebeamertemplate*{title~separator}
1081       % from above patch
1082       \expandafter\ifblank\expandafter{\beamer@andstripped}{
1083         % empty author
1084         \vspace*{1.em}
1085       }{
1086         \usebeamertemplate*{author}
1087       }
1088       % \ifx\insertauthor\empty Empty~Author\else TT \fi
1089       \ifx\insertdate\@empty\else\usebeamertemplate*{date}\fi
1090       \ifx\insertinstitute\@empty\else{\parbox{0.9\textwidth}{\raggedright\usebeamertemplate*{
1091         \vfill
1092         \vbox{}
1093       \end{minipage}
1094     }
1095   % end third argument of fcolorobx
1096 }
1097
1098 % the institute logo on title page
1099 \put(234,-120){
1100   \gothamtitlepagelogo
1101 }
1102
1103 % the extra logos on title page (\inserttitlegraphic)
1104 \put(-27,-123){
1105   \noindent\vbox{
1106     \begin{minipage}[b][0.96\paperheight]{0.899\textwidth}
1107       \ifx\inserttitlegraphic\@empty\else\usebeamertemplate*{title~graphic}\fi
1108     \end{minipage}
1109   }
1110 }
1111 \end{picture}
1112 }

```

(End of definition for \defbeamertemplate{title~page}{gotham~normal}. This function is documented

on page ??.)

`\usebeamertemplate{title-page}{gotham-reversed}` With a similarly layout to gotham normal, but this template inverses the background and foreground colors compared to the color mode chose (dark, light or transparent).

The following test files are used for this code: *gotham-test-038*.

```
1113 \defbeamertemplate{title~page}{gotham-reversed}{
1114 \begin{picture}(0,0)
1115 % The background picture
1116 \put(-28,-128){\gothamtitlepagebg}
1117
1118 % The text: title, author, institute, etc.
1119 \put(-4,-125){\noindent
1120 % \fcolorbox{declared-color-frame}{declared-color-background}{text}
1121 \ifbool{darkBG}{
1122 % Dark true
1123 \setbeamercolor{normal~text}{fg=colorFG, }
1124 \fcolorbox{colorPale}{colorPale}% reversed
1125 }{
1126 % Light
1127 \setbeamercolor{normal~text}{fg=colorBG, }
1128 \fcolorbox{colorTitlepage}{colorTitlepage}% reversed
1129 }% end if
1130 {
1131 % begin third argument of fcolorobx
1132 %\fcolorbox{normal~text.fg}{normal~text.fg}{
1133 \begin{minipage}[b][\paperheight]{\textwidth}
1134 \centering
1135 \vfill
1136 \ifx\inserttitle\@empty\else\usebeamertemplate*{title}\fi
1137 \ifx\insertsubtitle\@empty\else\usebeamertemplate*{subtitle}\fi
1138 \usebeamertemplate*{title~separator}
1139 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1140 % empty author
1141 \vspace*{1.em}
1142 }{
1143 \usebeamertemplate*{author}
1144 }
1145 \ifx\insertdate\@empty\else\usebeamertemplate*{date}\fi
1146 \ifx\insertinstitute\@empty\else{\parbox{0.9\textwidth}{\raggedright\usebeamertemplate*
1147 \vfill
1148 \vbox{}
1149 \end{minipage}
```

```

1150 }
1151 % end third argument of fcolorobx
1152 }
1153
1154 % the institute logo on title page
1155 \put(234,-120){
1156   \gothamtitlepagelogo
1157 }
1158
1159 % the extra logos on title page (\inserttitlegraphic)
1160 \put(-27,-123){
1161   \noindent\vbox{
1162     \begin{minipage}[b][0.96\paperheight]{0.899\textwidth}
1163       \ifx\inserttitlegraphic\@empty\else\usebeamertemplate*{title~graphic}\fi
1164     \end{minipage}
1165   }
1166 }
1167 \end{picture}
1168 }

```

(End of definition for `\defbeamertemplate{title~page}{gotham-reversed}`. This function is documented on page ??.)

`\defbeamertemplate{title~page}{gotham-dividedpic}` This title page template is inspired from <https://github.com/LukasPietzschmann/awesome-beamer>

The following test files are used for this code: `gotham-test-038`.

```

1169 \defbeamertemplate{title~page}{gotham-dividedpic}{
1170   \long\def\tmpEmpty{}
1171   \def\titlecontent{\usebeamerfont{title}\usebeamercolor[fg]{title}\inserttitle}
1172   \def\subtitlecontent{\usebeamerfont{subtitle}\usebeamercolor[fg]{subtitle}\insertsubtitle}
1173   \settowidth\l__gotham_title_width_dim\titlecontent
1174   \settowidth\l__gotham_subtitle_width_dim\subtitlecontent
1175   \setlength\l__gotham_title_max_width_dim{\ifdim\l__gotham_title_width_dim>\l__gotham_subtit
1176   % \thispagestyle{navigation@titlepage}
1177   \begin{minipage}{.55\textwidth}
1178     \raggedright
1179     \titlecontent\\
1180     \subtitlecontent\\
1181     % \textcolor{accent}{\rule{\ifdim\l__gotham_title_max_width_dim<.55\textwidth\l__gotham ti
1182     \textcolor{colorProgBar}{\rule{\ifdim\l__gotham_title_max_width_dim<.55\textwidth\l__gotha
1183     \usebeamerfont{author}\usebeamercolor[fg]{author}
1184     \insertauthor\\
1185     % \ifx\insertauthor\empty\else

```

```

1186 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1187   % empty author
1188   \vspace*{1.em}
1189 }{
1190   \usebeamerfont{author}\usebeamercolor[fg]{author}
1191   \insertshortauthor
1192   \vspace{2em}
1193 }
1194 % \fi
1195 \ifx\insertinstitute\@empty\else{
1196   \usebeamertemplate*{institute}\vspace{2em}
1197 }\fi
1198 \insertdate
1199 \end{minipage}
1200
1201 % \ifdefined\@background
1202 \begin{tikzpicture}[remember~picture, overlay]
1203   \clip (current~page.south~east)
1204     -- (current~page.north~east)
1205     -- ++(-5.1, 0)
1206     -- ++(-3, -\paperheight)
1207     -- cycle;
1208
1209 \ifx\gothamtitlepagebg\tmpEmpty
1210   \fill[
1211     % path~fading=title~page~picture~fading,
1212     % left~color=\ifbool{darkBG}{colorDark!200}{colorPale!100},
1213     right~color=colorTitlepage!100,%\ifbool{darkBG}{colorPale!100}{colorDark!100},
1214     % fading~angle=-15,
1215   ]
1216   (current~page.south~east)
1217   rectangle
1218   ++(\dimexpr-0.55\paperwidth, \dimexpr\paperheight+1cm);
1219 \else
1220   \node[
1221     anchor=south~east,
1222     inner~sep=0,
1223     outer~sep=0
1224   ] at (current~page.south~east) {
1225     % \includegraphics[height=\paperheight]{\@background}
1226     \gothamtitlepagebg
1227   };
1228 \fi

```

```

1229 \end{tikzpicture}
1230 }

```

(End of definition for `defbeamertemplate{title-page}{gotham-dividedpic}`. This function is documented on page ??.)

`eamertemplate{title-page}{gotham-splitvert}` This title page template is inspired from <https://github.com/pcafrica/focus-beamertheme>

The following test files are used for this code: `gotham-test-038`.

```

1231 \defbeamertemplate{title-page}{gotham-splitvert}{
1232 % \IfEmpty{\insertframetitle}{
1233 \ifx\beamer@frametitle\@empty
1234 \vspace*{-0.5\paperheight}
1235 \else %}{
1236 \vspace*{-0.63\paperheight}
1237 \fi %}
1238 {
1239 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}%
1240 \begin{tikzpicture}[overlay, remember=picture]
1241 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
1242 \end{tikzpicture}
1243 }
1244
1245 % \vspace*{-1.65\baselineskip}
1246 \begin{minipage}[b] [0.35\paperheight]{\textwidth}
1247 % \vspace{\baselineskip}
1248 \usebeamerfont{title}
1249 \usebeamercolor[fg]{frametitle}
1250 \inserttitle
1251 \end{minipage}
1252
1253 \newline
1254 \begin{minipage}[t] [0.1\paperheight]{\textwidth}
1255 \usebeamerfont{subtitle}
1256 \usebeamercolor[fg]{frametitle}
1257 \insertsubtitle
1258 \end{minipage}
1259
1260 % Set the title graphic in a zero-height box, so that
1261 % the position of other elements is not affected.
1262 \ifx\inserttitlegraphic\@empty\else
1263 \newline
1264 \vspace*{-1.65\baselineskip}
1265 % {\vfuuzz=9999pt\vbox-to~0pt {

```

```

1266 {\parbox[c][0pt][c]{\textwidth}{
1267   \raggedleft
1268   \inserttitlegraphic
1269   % \usebeamertemplate*{title~graphic}
1270 }}
1271 \fi
1272
1273 % \ifx\insertauthor\empty\else
1274 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1275   % empty author
1276   \vspace*{1.em}
1277 }{
1278   \newline
1279   \begin{minipage}[t]{\textwidth}
1280     % \usebeamerfont{normal~text}
1281     % \usebeamerfont{author}
1282     % \insertauthor
1283     \vspace*{-1.5\baselineskip}
1284     \usebeamertemplate*{author}
1285   \end{minipage}
1286 }
1287 % \fi
1288
1289 \ifx\insertinstitute\@empty\else
1290   \newline
1291   \vspace*{-1.65\baselineskip}
1292   \begin{minipage}[t]{\textwidth}
1293     % \usebeamerfont{institute}
1294     % \insertinstitute
1295     \usebeamertemplate*{institute}
1296   \end{minipage}
1297 \fi
1298
1299 \ifx\insertdate\@empty\else
1300   \newline
1301   \begin{minipage}[t]{\textwidth}
1302     \vspace*{2.65\baselineskip}
1303     % \usebeamerfont{date}
1304     % \insertdate
1305     \usebeamertemplate*{date}
1306   \end{minipage}
1307   \vspace*{-3.15\baselineskip}
1308 \fi

```

```
1309 }
```

(End of definition for `defbeamertemplate{title-page}{gotham-splitvert}`. This function is documented on page ??.)

`__gotham_set_template:nn`

#1 : element name (from beamer doc) in other word, the name the template category
#2 : predefined option (from beamer doc)

Function to set a beamertemplate with an option if it exists, otherwise an error is raised. Unfortunately, (as far as I know) it not possible to test if the element name exists independtly from the predefined option.

The following test files are used for this code: *gotham-test-038*.

```
1310 \cs_if_exist:NTF \__gotham_set_template:nn {}{
1311 % If it doesn't exist, then create it.
1312
1313 % Define the command to set template if it exists.
1314 \cs_new_protected:Nn \__gotham_set_template:nn
1315 {
1316 \cs_if_exist:cTF {beamer@tmpop@#1@#2} {
1317 \setbeamertemplate{#1}[#2]
1318 }{
1319 \PackageError{beamerinnerthemegotham}
1320 {The-beamer-template-named-'#1'-with-the-option-'#2'-does-not-exist}
1321 {helping-message unknown setbeamertemplate option}
1322 }
1323 }
1324 }
```

`inner_key_interface` Controls for the title page templates.

The following test files are used for this code: *gotham-test-038*.

```
1325 \keys_define:nn { gotham / inner }
1326 {
1327 % title-page
1328 title-page .usage:n = { general },
1329 title-page .default:n = { gotham-normal },
1330 title-page .code:n = { \__gotham_set_template:nn{title-page}{#1} },
1331 }
```

(End of definition for `inner key - interface`. This function is documented on page ??.)

Backgrounds

```
1332 % Background lengths
1333 % \newlength{\imageBGoffset}
1334 % \setlength{\imageBGoffset}{\paperwidth}
1335 % \addtolength{\imageBGoffset}{-8.5mm}
```

`\l__gotham_template_name_prop` Dictionary/map of template elements and predefined option according to the context. Naming convention: template/What/Who, i.e. Name: key=background canvas/watermark, value = gotham draft

```
1336 \prop_if_exist:NTF \l__gotham_template_name_prop
1337 {}{
1338 % if not defined than define it.
1339 \prop_new:N \l__gotham_template_name_prop
1340 }
```

(End of definition for \l__gotham_template_name_prop.)

`\defbeamertemplate{background-canvas}{empty}{def}` empty background canvas that contains color, that can be used to reset background.

The following test files are used for this code: gotham-test-038.

```
1341 \defbeamertemplate{background-canvas}{empty}{% empty background style has a color.
1342 % \ifbeamercoloreempty[bg]{background}{\color{bg}\vrule width\paperwidth height\paperheight}
1343 \hspace*{28pt}
1344 \begin{beamercolorbox}[wd=\paperwidth,
1345 ht=\paperheight,
1346 ]{background}
1347 % nothing to write, only a background color
1348 \end{beamercolorbox}
1349 }%
1350 \defbeamertemplate{background}{empty}{}%
```

(End of definition for \defbeamertemplate{background-canvas}{empty}{def}. This function is documented on page ??.)

`\defbeamertemplate{background}{watermark/gotham-draft}{def}` Background that contains a watermakr stamp with the word: DRAFT.

The following test files are used for this code: gotham-test-038.

```
1351 \defbeamertemplate{background}{watermark/gotham-draft}{
1352 \begin{tikzpicture}[overlay,remember-picture]
1353 \node[color=red, opacity=0.3, scale=5, rotate=45] at ([shift={{(0,0)}}]current-page.center)
1354 \end{tikzpicture}
1355 }
```

```

1356 % Add the template to the prop (dictionary)
1357 \prop_put:Nnn \l__gotham_template_name_prop {background/watermark} {gotham-draft}

```

(End of definition for `\defbeamertemplate{background}{watermark/gotham-draft}{def}`. This function is documented on page ??.)

`__gotham_add_beamerframe_key:n`

#1 : Name of the option to add, this name should also correspond to the name of the environment followed by the suffix 'env'.

Function to add an option of a frame using an environment. For example, if the name 'optionA' is the argument given to the function, an frame option named 'optionA' will be added, and this option will surround the frame with the environment named 'optionAenv'. So, the environment 'optionA' must have been declared before.

The following test files are used for this code: *gotham-test-038*.

```

1358 \seq_if_exist:NTF \l__gotham_frameoption_tmp_seq {}{
1359 % Define the sequence of frameoptions environments to close
1360 \seq_new:N \l__gotham_frameoption_tmp_seq
1361 }
1362
1363 \cs_if_exist:NTF \__gotham_add_beamerframe_key:n {}{
1364 % if it doesn't exist, then create it.
1365
1366 % Define the command to add frameoptions
1367 \cs_new_protected:Nn \__gotham_add_beamerframe_key:n {
1368 \define@key{beamerframe}{ #1 }[true]{
1369 \begin{#1env}
1370 \seq_put_left:Nn \l__gotham_frameoption_tmp_seq { \end{#1env} }
1371 }
1372 }
1373
1374 % At the end of frames close the opened environments.
1375 \apptocmd{\beamer@reseteecodes}{
1376 % Join elements in the queue without separator then output the result
1377 \seq_use:Nn \l__gotham_frameoption_tmp_seq {}
1378 % clear working queue
1379 \seq_clear:N \l__gotham_frameoption_tmp_seq
1380 }{}{}
1381 }

```

`\begin{frame}[noBCG]` Add a frame option `noBCG` to display an empty background canvas. To do it, we must

add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: gotham-test-038.

```

1382
1383 \newenvironment{noBGEnv}{
1384 \setbeamertemplate{background~canvas}[empty]
1385 }{}
1386 \_gotham_add_beamerframe_key:n {noBGC}

```

(End of definition for \begin{frame}[noBGC]. This function is documented on page ??.)

`\l_gotham_defaultWatermark` Boolean variable to display the watermark by default (or not).

The following test files are used for this code: gotham-test-038.

```

1387 \bool_new:N \l_gotham_defaultWatermark
1388 \bool_set_false:N \l_gotham_defaultWatermark
1389 % At every new frame, reset the options to default (unless some options/keys are given)
1390 \BeforeBeginEnvironment{frame}{
1391 \bool_if:NTF \l_gotham_defaultWatermark {
1392 \setbeamertemplate{background}[watermark/\prop_item:Nn \l__gotham_template_name_prop {back
1393 }]{% false
1394 \setbeamertemplate{background}[empty]
1395 }
1396 }

```

(End of definition for \l_gotham_defaultWatermark. This function is documented on page 27.)

`]\begin{frame}[watermark]` Add a frame option watermark to display an empty background canvas. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: gotham-test-038.

```

1397 % bool to trigger the add of watermark in background
1398 \newenvironment{watermarkenv}{
1399 \setbeamertemplate{background}[
1400 watermark/\prop_item:Nn \l__gotham_template_name_prop {background/watermark}
1401 ]
1402 }{}
1403 \_gotham_add_beamerframe_key:n {watermark}

```

(End of definition for \begin{frame}[watermark]. This function is documented on page 27.)

`]\begin{frame}[nowatermark]` Add a frame option `nowatermark` to do not display an empty background canvas. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-038`.

```

1404 % bool to trigger the add of nowatermark in background
1405 \newenvironment{nowatermarkenv}{
1406   \setbeamertemplate{background}[empty]
1407 }{}
1408 \__gotham_add_beamerframe_key:n {nowatermark}

```

(End of definition for `]\begin{frame}[nowatermark]`. This function is documented on page 27.)

```

\l__gotham_tmpa_seq tmp variables
\l__gotham_tmpa_tl
\l__gotham_tmpb_tl
1409 \seq_if_exist:NTF \l__gotham_tmpa_seq
1410 {}{
1411   % sequence
1412   \seq_new:N \l__gotham_tmpa_seq
1413 }
1414 \tl_if_exist:NTF \l__gotham_tmpa_tl
1415 {}{
1416   % token list A
1417   \tl_new:N \l__gotham_tmpa_tl
1418 }
1419 \tl_if_exist:NTF \l__gotham_tmpb_tl
1420 {}{
1421   % token list B
1422   \tl_new:N \l__gotham_tmpb_tl
1423 }

```

(End of definition for `\l__gotham_tmpa_seq`, `\l__gotham_tmpa_tl`, and `\l__gotham_tmpb_tl`.)

_gotham_set_prop_template:nn

#1 : element name (from beamer doc) in other word, the name the template category
#2 : predefined option (from beamer doc)

Function that store in a map the name a template use later. The following naming convention is used: Template/What/Who Name: watermark/gotham draft. The means for example that if a beamer template is defined using `\defbeamertemplate{background}{watermark/gotham}` then the function has to be call using `_gotham_set_prop_template{background/watermark}{gotham}` that will filled internally the map using the l3 command `\prop_put:Nnn _gotham_template_name_prop`. If the template name given as input does not exist, an error is raised.

The following test files are used for this code: gotham-test-039.

```
1424 \cs_if_exist:NTF \\_gotham_set_prop_template:nn {}{
1425 % if it doesn't exist, then create it.
1426 \cs_new_protected:Nn \\_gotham_set_prop_template:nn
1427 {
1428 % Check if the first argument contains a /
1429 \tl_if_in:nnTF { #1 } { / }
1430 {
1431 % Split the first around the /
1432 \seq_set_split:Nnn \\_gotham_tmpa_seq { / } { #1 }
1433 \tl_set:Nn \\_gotham_tmpa_tl { \seq_item:Nn \\_gotham_tmpa_seq { 1 } }
1434 \tl_set:Nn \\_gotham_tmpb_tl { \seq_item:Nn \\_gotham_tmpa_seq { 2 } }
1435 % Check if template exist
1436 \cs_if_exist:cTF {beamer@@tmpop@\\exp_not:V \\_gotham_tmpa_tl @\\exp_not:V \\_gotham_tmpb_tl}
1437 % set the value in the map, so it can be called later.
1438 \prop_put:Nnn \\_gotham_template_name_prop {#1} {#2}
1439 % \setbeamertemplate{#1}[#2]
1440 }{
1441 \PackageError{beamerthemegotham}
1442 {The-beamer-template-named-'\\_gotham_tmpa_tl'-with-the-option-'\\_gotham_tmpb_tl/#2'-
1443 {helping-message}
1444 }
1445 }{% false -> error
1446 \PackageError{beamerthemegotham}
1447 {%
1448 When-using-'\c_backslash_str\cs_to_str:N \\_gotham_set_prop_template'-the-first-argument
1449 As-example:~if~'\c_backslash_str defbeamertemplate{background}{watermark/gotham~draft}'
1450 }{helping-message}
1451 }
1452 }
1453 }
```

`inner_key_interface` Controls the inner settings for background and watermark).

The following test files are used for this code: gotham-test-037.

```
1454 \keys_define:nn { gotham / inner }{
1455   % watermark template
1456   watermark~template .usage:n = { general },
1457   watermark~template .default:n = { gotham-draft },
1458   watermark~template .code:n = { \__gotham_set_prop_template:nn{background/watermark}{#1} },
1459 }
1460 \keys_define:nn { gotham / inner }{
1461   % watermark default
1462   watermark~default .choice:,
1463   watermark~default .usage:n = { general },
1464   watermark~default .default:n = { false },
1465
1466   watermark~default / true .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1467   watermark~default / on .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1468   watermark~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1469
1470   watermark~default / false .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1471   watermark~default / off .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1472   watermark~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1473
1474   watermark~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unkn
1475 } }
```

(End of definition for inner key - interface. This function is documented on page ??.)

Stand IN/OUT

`]\begin{frame}[c]` Add a frame option `c` for improved vertically centered text in the frame. By default, Beamer frames offer the `c` option to *almost* vertically center the text, but the placement is a little too high. To fix this, we redefine the `c` option to equalize `\beamer@frametopskip` and `\beamer@framebottomskip`. This solution was suggested by Enrico Gregorio in an answer to [this Stack Exchange question](#).

The following test files are used for this code: gotham-test-039.

```
1476 \define@key{beamerframe}{c}[true]{
1477   \beamer@frametopskip=0pt~plus~1fill\relax
1478   \beamer@framebottomskip=0pt~plus~1fill\relax
1479   \beamer@frametopskipautobreak=0pt~plus~.4\paperheight\relax
1480   \beamer@framebottomskipautobreak=0pt~plus~.6\paperheight\relax
1481   \def\beamer@initfirstlineunskip{ }
```

```
1482 }
```

(End of definition for `\begin{frame}[c]`. This function is documented on page 27.)

`template{background-canvas}{standout/gotham}` Definition of the background canvas template used by the standout frame of gotham theme.

The following test files are used for this code: *gotham-test-040*.

```
1483 \defbeamertemplate{background-canvas}{standout/gotham}{
1484 % copied from beamer default
1485 \ifbeamercoloreempty{bg}{standout}{
1486 % if the background standout color is transparent, do nothing.
1487 }{
1488 \usebeamercolor{bg}{standout}\color{bg}
1489 \vrule-width\paperwidth~height\paperheight
1490 }
1491 }
1492 % Add the template to the prop (dictionary) of background template to use according to the s
1493 \prop_put:Nnn \l__gotham_template_name_prop {background-canvas/standout} {gotham}
```

(End of definition for `\defbeamertemplate{background-canvas}{standout/gotham}`. This function is documented on page ??.)

`\defbeamertemplate{standout}{gotham}` Definition of the standout template used by the standout frame of gotham theme. This includes background canvas template, fonts and colors.

The following test files are used for this code: *gotham-test-040*.

```
1494 \defbeamertemplate*{standout}{gotham}{%
1495 %
1496 % \setkeys{beamerframe}{c}
1497 % \setkeys{beamerframe}{noframenumbering}
1498 % \centering
1499
1500 \setbeamertemplate{background-canvas}[standout/\prop_item:Nn \l__gotham_template_name_prop
1501 % \usebeamertemplate{background-canvas}][standout/gotham]
1502 \usebeamerfont{standout}
1503 % if the background color is switched, then change foreground (font) color.
1504 \ifbeamercoloreempty{bg}{palette-primary}{
1505 %true : empty background (transparent)
1506 \setbeamercolor{background-canvas}{
1507 use=palette-primary,
1508 bg=palette-primary.fg
1509 }
```

```

1510 }{
1511 %false : background not empty (dark or light)
1512 \setbeamercolor{background-canvas}{
1513   use=palette-primary,
1514   bg=palette-primary.bg
1515 }
1516 }
1517 \setbeamercolor{local-structure}{
1518   fg=palette-primary.bg
1519 }
1520 \usebeamercolor[fg]{palette-primary}
1521 }

```

(End of definition for `\defbeamertemplate{standout}{gotham}`. This function is documented on page ??.)

`\begin{frame}[standout]` Add a frame option `standout` to display the `standout` frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-040`.

```

1522 \newenvironment{standoutenv}{
1523 \usebeamertemplate{standout}
1524 }{}
1525 \_gotham_add_beamerframe_key:n {standout}

```

(End of definition for `\begin{frame}[standout]`. This function is documented on page 28.)

`\template{background-canvas}{standin/gotham}` Definition of the background canvas template used by the `standin` frame of `gotham` theme.

The following test files are used for this code: `gotham-test-040`.

```

1526 \defbeamertemplate{background-canvas}{standin/gotham}{
1527 \ifbeamercoloreempty[bg]{standin}{
1528 % if the background standin color is transparent, do nothing.
1529 }{
1530 % Uncomment this if-condition to have a 'light' background in 'transparent' color-mode.
1531 \ifbool{transparentBG}{
1532 % \color{} is not possible so, it is better to do nothing for transparent bg than creatin
1533 }{
1534 \usebeamercolor[bg]{standin}\color{bg}
1535 \vrule-width\paperwidth-height\paperheight
1536 }
1537 }

```

```

1538 }
1539 % Add the template to the prop (dictionary) of background template to use according to the s
1540 \prop_put:Nnn \l__gotham_template_name_prop {background~canvas/standin} {gotham}

```

(End of definition for \defbeamertemplate{background~canvas}{standin/gotham}. This function is documented on page ??.)

`\defbeamertemplate{standout}{gotham}` Definition of the standout template used by the standout frame of gotham theme. This includes background canvas template, fonts and colors.

The following test files are used for this code: gotham-test-040.

```

1541 \defbeamertemplate*{standin}{gotham}{
1542 %
1543 % \setkeys{beamerframe}{c}
1544 % \setkeys{beamerframe}{noframenumbering}
1545 % \centering
1546 \setbeamertemplate{background~canvas}[standin/\prop_item:Nn \l__gotham_template_name_prop {
1547 % \usebeamertemplate{background~canvas}%[standin/gotham]
1548 \usebeamerfont{standin}
1549 %
1550 % Uncomment this if-condition to have a 'light' frametitle in 'transparent' color-mode.
1551 % \ifbeamercoloreempty[bg]{normal~text}{
1552 % %true : empty background (transparent)
1553 % \setbeamercolor{frametitle}{
1554 % use=normal~text,
1555 % bg=colorBG,
1556 % fg=normal~text.fg
1557 % }
1558 % }{
1559 % false
1560 \setbeamercolor{frametitle}{
1561 use=normal~text,
1562 bg=normal~text.bg,
1563 fg=normal~text.fg
1564 }
1565 % }
1566 % \setbeamercolor{frametitle}{
1567 % use=normal~text,
1568 % bg=normal~text.bg,
1569 % fg=normal~text.fg
1570 % }
1571 }

```

(End of definition for \defbeamertemplate{standout}{gotham}. This function is documented on page

??.)

`]\begin{frame}[standin]` Add a frame option `standin` to display the `standin` frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-040`.

```
1572 \newenvironment{standinenv}{
1573 \usebeamertemplate{standin}
1574 }{}
1575 \__gotham_add_beamerframe_key:n {standin}
```

(End of definition for `]\begin{frame}[standin]`. This function is documented on page 28.)

`inner_key_ -_interface` Controls the inner settings for `standout` and `standin`.

The following test files are used for this code: `gotham-test-037`.

```
1576 \keys_define:nn { gotham / inner }
1577 {
1578 % standout template
1579 standout-template .usage:n = { general },
1580 standout-template .default:n = { gotham },
1581 standout-template .code:n = { \__gotham_set_prop_template:nn{background-canvas/standout}{#1}
1582 }
1583 \keys_define:nn { gotham / inner }
1584 {
1585 % standin template
1586 standin-template .usage:n = { general },
1587 standin-template .default:n = { gotham },
1588 standin-template .code:n = { \__gotham_set_prop_template:nn{background-canvas/standin}{#1}
1589 }
```

(End of definition for `inner key - interface`. This function is documented on page ??.)

Sections

`]\begin{frame}[part]` Add a frame option `part` to display the `part` frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-041`.

```
1590 \bool_new:N \l_gotham_partframe
1591 \bool_set_false:N \l_gotham_partframe
```



```

1592 \define@key{beamerframe}{part}[true]{
1593   \bool_set_true:N \l_gotham_partframe
1594   \begingroup
1595   \usebeamertemplate{part~frame}
1596 }
1597 \apptocmd{\beamer@reseteecodes}{
1598   \bool_if:NTF \l_gotham_partframe {
1599     \endgroup
1600     \bool_set_false:N \l_gotham_partframe
1601   }{}
1602 }{}{}
1603 % \define@key{beamerframe}{part}[true]{
1604 %   \thispagestyle{navigation@part}
1605 % }
1606 % \def\ps@navigation@part{
1607 %   \usebeamertemplate{part~frame}
1608 %   \@nameuse{ps@navigation}
1609 % }

```

(End of definition for `\begin{frame}[part]`. This function is documented on page 28.)

`]\begin{frame}[section]` Add a frame option `section` to display the section frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: *gotham-test-041*.

```

1610 \bool_new:N \l_gotham_sectionframe
1611 \bool_set_false:N \l_gotham_sectionframe
1612 \define@key{beamerframe}{section}[true]{
1613   \bool_set_true:N \l_gotham_sectionframe
1614   \begingroup
1615   \usebeamertemplate{section~frame}
1616 }
1617 \apptocmd{\beamer@reseteecodes}{
1618   \bool_if:NTF \l_gotham_sectionframe {
1619     \endgroup
1620     \bool_set_false:N \l_gotham_sectionframe
1621   }{}
1622 }{}{}
1623 % \define@key{beamerframe}{section}[true]{
1624 %   \thispagestyle{navigation@section}
1625 % }
1626 % \def\ps@navigation@section{

```

```

1627 % \usebeamertemplate{section~frame}
1628 % \@nameuse{ps@navigation}
1629 % }

```

(End of definition for `\begin{frame}[section]`. This function is documented on page 28.)

`\begin{frame}[subsection]` Add a frame option `subsection` to display the subsection frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-041`.

```

1630 \bool_new:N \l_gotham_subsubsectionframe
1631 \bool_set_false:N \l_gotham_subsubsectionframe
1632 \define@key{beamerframe}{subsec}[true]{
1633   \bool_set_true:N \l_gotham_subsubsectionframe
1634   \begingroup
1635     \usebeamertemplate{subsection~frame}
1636   }
1637 \apptocmd{\beamer@reseteecodes}{
1638   \bool_if:NTF \l_gotham_subsubsectionframe {
1639     \endgroup
1640     \bool_set_false:N \l_gotham_subsubsectionframe
1641   }{}
1642 }{}{}
1643 % \define@key{beamerframe}{subsec}[true]{
1644 %   \thispagestyle{navigation@subsec}
1645 % }
1646 % \def\ps@navigation@subsec{
1647 %   \usebeamertemplate{subsection~frame}
1648 %   \@nameuse{ps@navigation}
1649 % }

```

(End of definition for `\begin{frame}[subsection]`. This function is documented on page 28.)

`\begin{frame}[subsubsection]` Add a frame option `subsubsection` to display the subsubsection frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-041`.

```

1650 \bool_new:N \l_gotham_subsubsectionframe
1651 \bool_set_false:N \l_gotham_subsubsectionframe
1652 \define@key{beamerframe}{subsubsec}[true]{
1653   \bool_set_true:N \l_gotham_subsubsectionframe

```

```

1654 \begingroup
1655 \usebeamertemplate{subsubsection~frame}
1656 }
1657 \apptocmd{\beamer@reseteecodes}{
1658 \bool_if:NTF \l_gotham_subsubsectionframe {
1659 \endgroup
1660 \bool_set_false:N \l_gotham_subsubsectionframe
1661 }{}
1662 }{}{}
1663 % \define@key{beamerframe}{subsubsec}[true]{
1664 % \thispagestyle{navigation@subsubsec}
1665 % }
1666 % \def\ps@navigation@subsubsec{
1667 % \usebeamertemplate{subsubsection~frame}
1668 % \@nameuse{ps@navigation}
1669 % }

```

(End of definition for `\begin{frame}[subsubsection]`. This function is documented on page 28.)

`\providebool{partContent}` Boolean variable to enable the table of contents of the part, and the command containing the 'table of contents' title.

`\partContentName`

```

1670 % repeated from BeamerExtra
1671 \providebool{partContent}
1672 \booltrue{partContent}
1673 \providecommand{\partContentName}{Part~content}

```

(End of definition for `\providebool{partContent}` and `\partContentName`. These variables are documented on page ??.)

`\providebool{secContent}` Boolean variable to enable the table of contents of the section, and the command containing the 'table of contents' title.

`\secContentName`

```

1674 \providebool{sectionContent}
1675 \booltrue{sectionContent}
1676 \providecommand{\secContentName}{Section~content}

```

(End of definition for `\providebool{secContent}` and `\secContentName`. These variables are documented on page ??.)

`\providebool{subsectionContent}` Boolean variable to enable the table of contents of the subsection, and the command containing the 'table of contents' title.

`\subsecContentName`

```

1677 \providebool{subsectionContent}
1678 \booltrue{subsectionContent}

```

```

1679 \providecommand{\subsecContentName}{Subsection~content}
1680 % Subsubsection is not useful (at least up to understanding of the moment) because we do not

```

(End of definition for \providebool{subsectionContent} and \subsecContentName. These variables are documented on page ??.)

```

\defbeamertemplate{part-title}{gotham}
\defbeamertemplate{section-title}{gotham}
\defbeamertemplate{subsection-title}{gotham}

```

Definitions of templates controlling how will appear the name/title of the parts, sections, subsections and subsubsections.

The following test files are used for this code: gotham-test-041.

```

1681 \def\partname{\translate{Part}}
1682 \defbeamertemplate*{part~title}{gotham}{
1683   \usebeamercolor[fg]{part~title}
1684   \usebeamerfont{part~title}
1685   \partname \ \insertromanpartnumber
1686   \[1.75ex]
1687   \insertpart
1688 }
1689 \defbeamertemplate*{section~title}{gotham}{
1690   \usebeamercolor[fg]{section~title}
1691   \usebeamerfont{section~title}
1692   \insertsectionnumber.~
1693   \insertsectionhead
1694 }
1695 \defbeamertemplate*{subsection~title}{gotham}{
1696   \usebeamercolor[fg]{subsection~title}
1697   \usebeamerfont{subsection~title}
1698   \insertsectionnumber.\insertsubsectionnumber.~
1699   \insertsubsectionhead
1700 }
1701 \def\subsubsectionname{\translate{Subsubsection}}
1702 \def\insertsubsubsectionnumber{\arabic{subsubsection}}
1703 \def\subsubsectionpage{\usebeamertemplate*{subsubsection~page}}
1704 \defbeamertemplate*{subsubsection~title}{gotham}{
1705   \usebeamercolor[fg]{subsubsection~title}
1706   \usebeamerfont{subsubsection~title}
1707   \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
1708   \insertsubsubsectionhead
1709 }

```

(End of definition for \defbeamertemplate{part~title}{gotham}, \defbeamertemplate{section~title}{gotham}, and \defbeamertemplate{subsection~title}{gotham}. These functions are documented on page ??.)

`_gotham_inner_disable_partpage:`
`_gotham_inner_enable_partpage:`

Commands to disable or enable the display of a 'part page' frame at the beginning of every new part. It replaces the `\newcommand{\gotham@disablepartpage}` and `\newcommand{\gotham@enablepartpage}`

The following test files are used for this code: gotham-test-041.

```
1710 \cs_new_protected:Nn \_gotham_inner_disable_partpage:
1711 {
1712   \AtBeginPart{
1713     % intentionally empty
1714   }
1715 }
1716
1717 \cs_new_protected:Nn \_gotham_inner_enable_partpage:
1718 {
1719   \AtBeginPart{
1720     \ifbeamer@inframe
1721       \partpage
1722     \else
1723       \frame[c, noframenundering, part]{\partpage}
1724     \fi
1725
1726     \ifbool{partContent}{
1727       % true
1728       \begin{frame}[noframenundering, tocpart]
1729         \frametitle{\partContentName}
1730         \tableofcontents[part=\thepart]
1731       \end{frame}
1732     }{
1733       % else empty
1734     }
1735   }
1736 }
```

`_gotham_inner_disable_sectionpage:`
`_gotham_inner_enable_sectionpage:`

Commands to disable or enable the display of a 'section page' frame at the beginning of every new section. It replaces the `\newcommand{\gotham@disablesectionpage}` and `\newcommand{\gotham@enablesectionpage}`

The following test files are used for this code: gotham-test-041.

```
1737 \cs_new_protected:Nn \_gotham_inner_disable_sectionpage:
1738 {
1739   \AtBeginSection{
1740     % intentionally empty
1741   }
1742 }
1743
1744 \cs_new_protected:Nn \_gotham_inner_enable_sectionpage:
1745 {
1746   \AtBeginSection{
1747     \ifbeamer@inframe
1748       \sectionpage
1749     \else
1750       \frame[c, noframenundering, section]{\sectionpage}
1751     \fi
1752
1753     \ifbool{sectionContent}{
1754       % true
1755       \begin{frame}[noframenundering, tocsec]
1756         \frametitle{\secContentName}
1757         {\tableofcontents[currentsection, currentsubsection,
1758           hideothersubsections,
1759           sectionstyle=show/shaded,
1760         ]
1761       }
1762     \end{frame}
1763   }{
1764     % else empty
1765   }
1766 }
1767 }
```

`_gotham_inner_disable_subsectionpage:`
`_gotham_inner_enable_subsectionpage:`

Commands to disable or enable the display of a 'subsection page' frame at the beginning of every new subsection. It replaces the `\newcommand{\gotham@disablesubsectionpage}` and `\newcommand{\gotham@enablesubsectionpage}`

The following test files are used for this code: gotham-test-041.

```
1768 \cs_new_protected:Nn \_gotham_inner_disable_subsectionpage:
1769 {
1770   \AtBeginSubsection{
1771     % intentionally empty
1772   }
1773 }
1774
1775 \cs_new_protected:Nn \_gotham_inner_enable_subsectionpage:
1776 {
1777   \AtBeginSubsection{
1778     \ifbeamer@inframe
1779       \subsectionpage
1780     \else
1781       \frame[c, noframenundering, subsec]{\subsectionpage}
1782     \fi
1783
1784     \ifbool{subsectionContent}{
1785       % true
1786       \begin{frame}[noframenundering, tocsubsec]
1787         \frametitle{\subsecContentName}
1788         {\tableofcontents[currentsection, currentsubsection,
1789           %currentsubsubsection,
1790           hideothersubsections,
1791           sectionstyle=show/shaded,
1792           subsectionstyle=show/shaded/hide,
1793           subsubsectionstyle=show/show/hide,
1794         ]
1795       }
1796     \end{frame}
1797   }{
1798     % else empty
1799   }
1800 }
1801 }
```

```

\__gotham_inner_disable_subsubsectionpage:
\__gotham_inner_enable_subsubsectionpage:

```

Commands to disable or enable the display of a 'subsubsection page' frame at the beginning of every new subsubsection. It replaces the `\newcommand{\gotham@disablesubsubsectionpage}` and `\newcommand{\gotham@enablesubsubsectionpage}`

The following test files are used for this code: gotham-test-041.

```

1802 \cs_new_protected:Nn \__gotham_inner_disable_subsubsectionpage:
1803 {
1804   \AtBeginSubsubsection{
1805     % intentionally empty
1806   }
1807 }
1808
1809 \cs_new_protected:Nn \__gotham_inner_enable_subsubsectionpage:
1810 {
1811   \AtBeginSubsubsection{
1812     \ifbeamer@inframe
1813       \subsubsectionpage
1814     \else
1815       \frame[c, noframenundering, subsubsec]{\subsubsectionpage}
1816     \fi
1817   }
1818 }

```

`\gotham@progressonsectionpage@linewidth` Variables used to defined the progress bar in section pages.

```

1819 % horizontal size of the bar (used internally and set to |\textwidth|.
1820 \newlength{\gotham@progressonsectionpage}
1821 % vertical size of the bar
1822 \newlength{\gotham@progressonsectionpage@linewidth}
1823 \setlength{\gotham@progressonsectionpage@linewidth}{3pt}

```

(End of definition for `\gotham@progressonsectionpage@linewidth`. This variable is documented on page 28.)

`\template{progress-bar-in-section-page}{empty}` Templates to disable or enable the display of the progress bar in section pages.
`\template{progress-bar-in-section-page}{display}`

The following test files are used for this code: gotham-test-041.

```

1824 \defbeamertemplate{progress-bar~in~section~page}{empty}{
1825   \vspace{\gotham@progressonsectionpage@linewidth+1ex}
1826 }
1827

```



```

1828 \def\inserttotalframenummer{100}
1829 \defbeamertemplate{progress-bar-in-section-page}{display}{
1830 \setlength{\gotham@progressonsectionpage}{
1831 \textwidth * \ratio{\insertframenummer~pt}{\inserttotalframenummer~pt}
1832 }
1833 \begin{tikzpicture}
1834 \fill[bg] (0,0) rectangle (\textwidth, \gotham@progressonsectionpage@linewidth);
1835 \fill[fg] (0,0) rectangle (\gotham@progressonsectionpage, \gotham@progressonsectionpage@linewidth);
1836 \end{tikzpicture}
1837 }

```

(End of definition for `\defbeamertemplate{progress-bar-in-section-page}{empty}` and `\defbeamertemplate{progress-bar-in-section-page}{display}`. These functions are documented on page ??.)

`\sectionoffset` length controlling the horizontal offset of the (section title + progress bar) block.

```

1838 \newlength{\sectionoffset}
1839 \setlength{\sectionoffset}{0pt}

```

(End of definition for `\sectionoffset`. This variable is documented on page 29.)

`\beamertemplate{part|section|subsection|subsubsection-page}{progressbar/simple}` Template of part |section |subsection |subsubsection pages shared by 'progressbar' and 'simple' style. These pages contain what is inside the part |section |subsection |subsubsection frame (without background and frametitle).

The following test files are used for this code: `gotham-test-041`.

```

1840 \defbeamertemplate{part-page}{progressbar/simple}{
1841 %\frametitle{toto section}
1842 \centering
1843 \hspace*{\sectionoffset}
1844 \begin{minipage}{22em}
1845 % \raggedright
1846 \centering
1847 \usebeamertemplate*{part~title}\[-1ex]
1848 \usebeamertemplate*{progress-bar-in-section-page}
1849 \par
1850 \end{minipage}
1851 \par
1852 \vspace{\baselineskip}
1853 }
1854 \defbeamertemplate{section-page}{progressbar/simple}{
1855 %\frametitle{toto section}
1856 \centering
1857 \hspace*{\sectionoffset}

```

```

1858 \begin{minipage}{22em}
1859 \raggedright
1860 \usebeamertemplate*{section~title}\[-1ex]
1861 \usebeamertemplate*{progress~bar~in~section~page}
1862 \par
1863 \end{minipage}
1864 \par
1865 \vspace{\baselineskip}
1866 }
1867 \defbeamertemplate{subsection~page}{progressbar/simple}{
1868 %\frametitle{toto section}
1869 \centering
1870 \hspace*{\sectionhoffset}
1871 \begin{minipage}{22em}
1872 \raggedright
1873 \usebeamertemplate*{section~title}\[-1ex]
1874 \usebeamertemplate*{progress~bar~in~section~page}
1875 \par
1876 \usebeamertemplate*{subsection~title}
1877 \end{minipage}
1878 \par
1879 \vspace{\baselineskip}
1880 }
1881 \defbeamertemplate{subsubsection~page}{progressbar/simple}{
1882 % \frametitle{toto section}
1883 \centering
1884 \hspace*{\sectionhoffset}
1885 \begin{minipage}{22em}
1886 \raggedright
1887 \usebeamertemplate*{section~title}\[-1ex]
1888 \usebeamertemplate*{progress~bar~in~section~page}
1889 \par
1890 \usebeamertemplate*{subsection~title}
1891 \par
1892 \usebeamertemplate*{subsubsection~title}
1893 \end{minipage}
1894 \par
1895 \vspace{\baselineskip}
1896 }

```

(End of definition for \defbeamertemplate{part|section|subsection|subsubsection~page}{progressbar/simple}.
This function is documented on page ??.)*

rt|section|subsection|subsubsection/gotham} Background canvas template of part |section |subsection |subsubsection pages.

The following test files are used for this code: *gotham-test-041*.

```

1897 \defbeamertemplate{background~canvas}{part/gotham}{
1898 \ifbeamercolorempy[bg]{normal~text}{\color{bg}\vrule width\paperwidth height\paperheight
1899 }
1900 \defbeamertemplate{background~canvas}{section/gotham}{
1901 \setbeamertemplate{background~canvas}[part/gotham]
1902 \usebeamertemplate{background~canvas}
1903 }
1904 \defbeamertemplate{background~canvas}{subsection/gotham}{
1905 \setbeamertemplate{background~canvas}[part/gotham]
1906 \usebeamertemplate{background~canvas}
1907 }
1908 \defbeamertemplate{background~canvas}{subsubsection/gotham}{
1909 \setbeamertemplate{background~canvas}[part/gotham]
1910 \usebeamertemplate{background~canvas}
1911 }

```

(End of definition for `\defbeamertemplate{background~canvas}{part|section|subsection|subsubsection/gotham}`.
This function is documented on page ??.)

`section|subsubsection~frame}{gotham~simple}` Template for part |section |subsection |subsubsection frames with 'gotham simple' style.

The following test files are used for this code: *gotham-test-041*.

```

1912 \defbeamertemplate{part~frame}{gotham~simple}{
1913 \setbeamertemplate{background~canvas}[part/gotham]
1914 \setbeamercolor{frametitle}{
1915 use={frametitleSection, normal~text},
1916 bg=frametitleSection.fg,
1917 fg=normal~text.fg
1918 }
1919 \setbeamertemplate{progress~bar~in~section~page}[empty]
1920 \setbeamertemplate{part~page}[progressbar/simple]
1921 % \usebeamertemplate*{part~page}% activated automatically
1922 }
1923
1924 \defbeamertemplate{section~frame}{gotham~simple}{
1925 \setbeamertemplate{background~canvas}[section/gotham]
1926 \setbeamercolor{frametitle}{
1927 use={frametitleSection, normal~text},
1928 bg=frametitleSection.fg,
1929 fg=normal~text.fg
1930 }
1931 \setbeamertemplate{progress~bar~in~section~page}[empty]

```

```

1932 \setbeamertemplate{section~page}[progressbar/simple]
1933   % \usebeamertemplate*{section~page}% activated automatically
1934 }
1935
1936 \defbeamertemplate{subsection~frame}{gotham~simple}{
1937 \setbeamertemplate{background~canvas}[subsection/gotham]
1938 \setbeamercolor{frametitle}{
1939   use={frametitleSection, normal~text},
1940   bg=frametitleSection.fg,
1941   fg=normal~text.fg
1942 }
1943 \setbeamertemplate{progress~bar~in~section~page}[empty]
1944 \setbeamertemplate{subsection~page}[progressbar/simple]
1945   % \usebeamertemplate*{subsection~page}% activated automatically
1946 }
1947
1948 \defbeamertemplate{subsubsection~frame}{gotham~simple}{
1949 \setbeamertemplate{background~canvas}[subsubsection/gotham]
1950 \setbeamercolor{frametitle}{
1951   use={frametitleSection, normal~text},
1952   bg=frametitleSection.fg,
1953   fg=normal~text.fg
1954 }
1955 \setbeamertemplate{progress~bar~in~section~page}[empty]
1956 \setbeamertemplate{subsubsection~page}[progressbar/simple]
1957   % \usebeamertemplate*{subsubsection~page}% activated automatically
1958 }

```

*(End of definition for \defbeamertemplate{part|section|subsection|subsubsection~frame}{gotham~simple}.
This function is documented on page ??.)*

on|subsubsection~frame}{gotham~progressbar} Template for part |section |subsection |subsubsection frames with 'gotham progressbar' style.

The following test files are used for this code: gotham-test-041.

```

1959 \defbeamertemplate{part~frame}{gotham~progressbar}{
1960 \setbeamertemplate{background~canvas}[part/gotham]
1961 \setbeamercolor{frametitle}{
1962   use={frametitleSection, normal~text},
1963   bg=frametitleSection.fg,
1964   fg=normal~text.fg
1965 }
1966 \setbeamertemplate{progress~bar~in~section~page}[display]
1967 \setbeamertemplate{part~page}[progressbar/simple]

```

```

1968   % \usebeamertemplate*{part~page}% activated automatically
1969 }
1970
1971 \defbeamertemplate{section~frame}{gotham~progressbar}{
1972 \setbeamertemplate{background~canvas}[section/gotham]
1973 \setbeamercolor{frametitle}{
1974 use={frametitleSection, normal~text},
1975 bg=frametitleSection.fg,
1976 fg=normal~text.fg
1977 }
1978 \setbeamertemplate{progress~bar~in~section~page}[display]
1979 \setbeamertemplate{section~page}[progressbar/simple]
1980   % \usebeamertemplate*{section~page}% activated automatically
1981 }
1982
1983 \defbeamertemplate{subsection~frame}{gotham~progressbar}{
1984 \setbeamertemplate{background~canvas}[subsection/gotham]
1985 \setbeamercolor{frametitle}{
1986 use={frametitleSection, normal~text},
1987 bg=frametitleSection.fg,
1988 fg=normal~text.fg
1989 }
1990 \setbeamertemplate{progress~bar~in~section~page}[display]
1991 \setbeamertemplate{subsection~page}[progressbar/simple]
1992   % \usebeamertemplate*{subsection~page}% activated automatically
1993 }
1994
1995 \defbeamertemplate{subsubsection~frame}{gotham~progressbar}{
1996 \setbeamertemplate{background~canvas}[subsubsection/gotham]
1997 \setbeamercolor{frametitle}{
1998 use={frametitleSection, normal~text},
1999 bg=frametitleSection.fg,
2000 fg=normal~text.fg
2001 }
2002 \setbeamertemplate{progress~bar~in~section~page}[display]
2003 \setbeamertemplate{subsubsection~page}[progressbar/simple]
2004   % \usebeamertemplate*{subsubsection~page}% activated automatically
2005 }

```

*(End of definition for \defbeamertemplate{part|section|subsection|subsubsection~frame}{gotham~progressbar}.
This function is documented on page ??.)*

`\setbeamertemplate{progress~bar~in~splitvert}{empty|display}` Internal template to display or disable (empty) the progressbar used in 'splitvert' (split vertically) style.

The following test files are used for this code: *gotham-test-041*.

```

2006 \defbeamertemplate{progress-bar-in-splitvert}{empty}{
2007   \vspace{-0.5ex}
2008 }
2009
2010 \defbeamertemplate*{progress-bar-in-splitvert}{display}{
2011   % \nointerlineskip
2012   \setlength{\gotham@progressonsectionpage}{
2013     \paperwidth * \ratio{\insertframenumbers pt}{\inserttotalframenumbers pt}
2014   }
2015   \begin{tikzpicture}
2016     \fill[bg] (0,0) rectangle (\paperwidth, \gotham@progressonsectionpage@linewidth);
2017     \fill[fg] (0,0) rectangle (\gotham@progressonsectionpage, \gotham@progressonsectionpage@linewidth);
2018   \end{tikzpicture}
2019 }

```

(End of definition for `\defbeamertemplate*{progress-bar-in-splitvert}{empty|display}`. This function is documented on page ??.)

`part_page}{gotham_splitvert_progressbar/simple}` Templates for part |section |subsection |subsubsection pages that are common for 'gotham
`section_frame}{gotham_splitvert_progressbar}` splitvert progressbar' and 'gotham splitvert simple' styles (which implies part |section
`subsubsection_frame}{gotham_splitvert_simple}` |subsection |subsubsection frames).

The following test files are used for this code: *gotham-test-041*.

```

2020 % Part page splitvert.
2021 \defbeamertemplate{part-page}{gotham-splitvert-progressbar/simple}{
2022   % \frametitle{part!}
2023   % \IfEmpty{\insertframetitle}{
2024     \ifx\beamer@frametitle\@empty
2025       \vspace*{-0.05\paperheight}
2026     \else %}{
2027       \vspace*{-0.165\paperheight}
2028     \fi %}
2029   {
2030     \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2031     \begin{tikzpicture}[overlay, remember~picture]
2032       \fill[color=gotham@@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\paperheight)}]current-page.north-west);
2033     \end{tikzpicture}
2034   }
2035
2036   % \hspace*{\sectionoffset}
2037   \begin{minipage}[b] [0.45\paperheight] {\textwidth}
2038     \centering

```

```

2039 \usebeamertemplate*{part~title}
2040 \end{minipage}
2041 \[-0.1\baselineskip]
2042 \hspace*{-1.0cm}\noindent
2043 \usebeamertemplate*{progress~bar~in~splitvert}
2044
2045 \newline
2046 \begin{minipage}[t][0.5\paperheight]{\textwidth}
2047 % \vspace{0.5\baselineskip}
2048 % \usebeamerfont{subsection~tttitle}
2049 % \usebeamercolor[bg]{frametitle}
2050 % empty
2051 \end{minipage}
2052 }
2053 \defbeamertemplate{part~frame}{gotham~splitvert~progressbar}{
2054 \setbeamertemplate{background~canvas}[part/gotham]
2055 % \setbeamercolor{frametitle}{}
2056 % \setlength{\sectionhoffset}{1cm}
2057 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}
2058 \setbeamertemplate{progress~bar~in~splitvert}[display]
2059 \setbeamertemplate{part~page}[gotham~splitvert~progressbar/simple]
2060 % \usebeamertemplate*{part~page}% activated automatically
2061 }
2062 \defbeamertemplate{part~frame}{gotham~splitvert~simple}{
2063 \setbeamertemplate{background~canvas}[part/gotham]
2064 % \setbeamercolor{frametitle}{}
2065 % \setlength{\sectionhoffset}{1cm}
2066 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}
2067 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2068 \setbeamertemplate{part~page}[gotham~splitvert~progressbar/simple]
2069 % \usebeamertemplate*{part~page}% activated automatically
2070 }
2071
2072 % Section page splitvert.
2073 \defbeamertemplate{section~page}{gotham~splitvert~progressbar/simple}{
2074 % \frametitle{section!}
2075 % \IfEmpty{\insertframetitle}{
2076 \ifx\beamer@frametitle\@empty
2077 \vspace*{-0.05\paperheight}
2078 \else %}{
2079 \vspace*{-0.165\paperheight}
2080 \fi %}
2081 {

```

```

2082 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2083 \begin{tikzpicture}[overlay, remember~picture]
2084 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2085 \end{tikzpicture}
2086 }
2087
2088 \hspace*{\sectionoffset}
2089 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2090 \usebeamertemplate*{section~title}
2091 \end{minipage}
2092 \\\[-0.1\baselineskip]
2093 \hspace*{-1.0cm}\noindent
2094 \usebeamertemplate*{progress~bar~in~splitvert}
2095
2096 \newline
2097 \hspace*{\sectionoffset}
2098 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2099 % \vspace{0.5\baselineskip}
2100 \usebeamerfont{subsection~title}
2101 \usebeamercolor[bg]{frametitle}
2102 % empty
2103 \end{minipage}
2104 }
2105 \defbeamertemplate{section~frame}{gotham~splitvert~progressbar}{
2106 \setbeamertemplate{background~canvas}[section/gotham]
2107 % \setbeamercolor{frametitle}{}
2108 \setlength{\sectionoffset}{1cm}
2109 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2110 \setbeamertemplate{progress~bar~in~splitvert}[display]
2111 \setbeamertemplate{section~page}[gotham~splitvert~progressbar/simple]
2112 % \usebeamertemplate*{section~page}% activated automatically
2113 }
2114 \defbeamertemplate{section~frame}{gotham~splitvert~simple}{
2115 \setbeamertemplate{background~canvas}[section/gotham]
2116 % \setbeamercolor{frametitle}{}
2117 \setlength{\sectionoffset}{1cm}
2118 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2119 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2120 \setbeamertemplate{section~page}[gotham~splitvert~progressbar/simple]
2121 % \usebeamertemplate*{section~page}% activated automatically
2122 }
2123
2124 % Subsection page splitvert.

```



```

2125 \defbeamertemplate{subsection~page}{gotham~splitvert~progressbar/simple}{
2126 % \frametitle{subsection!}
2127 % \IfEmpty{\insertframetitle}{
2128 \ifx\beamer@frametitle\@empty
2129 \vspace*{-0.05\paperheight}
2130 \else %}{
2131 \vspace*{-0.165\paperheight}
2132 \fi %}
2133 {
2134 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2135 \begin{tikzpicture}[overlay, remember=picture]
2136 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2137 \end{tikzpicture}
2138 }
2139
2140 \hspace*{\sectionoffset}
2141 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2142 \usebeamertemplate*{section~title}
2143 \end{minipage}
2144 \\[-0.1\baselineskip]
2145 \hspace*{-1.0cm}\noindent
2146 \usebeamertemplate*{progress~bar~in~splitvert}
2147
2148 \newline
2149 \hspace*{\sectionoffset}
2150 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2151 % \vspace{0.5\baselineskip}
2152 \usebeamerfont{subsection~title}
2153 \usebeamercolor[bg]{frametitle}
2154 \usebeamertemplate*{subsection~title}
2155 % \par
2156 % \vspace{1em}%phantom subsection
2157 \end{minipage}
2158 }
2159 \defbeamertemplate{subsection~frame}{gotham~splitvert~progressbar}{
2160 \setbeamertemplate{background~canvas}[subsection/gotham]
2161 % \setbeamercolor{frametitle}{}
2162 \setlength{\sectionoffset}{1cm}
2163 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2164 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2165 \setbeamertemplate{progress~bar~in~splitvert}[display]
2166 \setbeamertemplate{subsection~page}[gotham~splitvert~progressbar/simple]
2167 % \usebeamertemplate*{subsection~page}% activated automatically

```

```

2168 }
2169 \defbeamertemplate{subsection~frame}{gotham~splitvert~simple}{
2170 \setbeamertemplate{background~canvas}[subsection/gotham]
2171 % \setbeamercolor{frametitle}{}
2172 \setlength{\sectionoffset}{1cm}
2173 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2174 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2175 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2176 \setbeamertemplate{subsection~page}[gotham~splitvert~progressbar/simple]
2177 % \usebeamertemplate*{subsection~page}% activated automatically
2178 }
2179
2180 % Subsubsection page splitvert.
2181 \defbeamertemplate{subsubsection~page}{gotham~splitvert~progressbar/simple}{
2182 % \frametitle{subsubsection!}
2183 % \IfEmpty{\insertframetitle}{
2184 \ifx\beamer@frametitle\@empty
2185 \vspace*{-0.05\paperheight}
2186 \else %}{
2187 \vspace*{-0.165\paperheight}
2188 \fi %}
2189 {
2190 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2191 \begin{tikzpicture}[overlay, remember~picture]
2192 \fill[color=gotham@tempColor] (current~page.north~west) rectangle ([shift = {(0, -0.45\p
2193 \end{tikzpicture}
2194 }
2195
2196 \hspace*{\sectionoffset}
2197 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2198 \usebeamertemplate*{section~title}
2199 \end{minipage}
2200 \[-0.1\baselineskip]
2201 \hspace*{-1.0cm}\noindent
2202 \usebeamertemplate*{progress~bar~in~splitvert}
2203
2204 \newline
2205 \hspace*{\sectionoffset}
2206 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2207 % \vspace{0.5\baselineskip}
2208 \usebeamerfont{subsubsection~title}
2209 \usebeamercolor[bg]{frametitle}
2210 \usebeamertemplate*{subsection~title}

```

```

2211 \par
2212 \usebeamertemplate*{subsubsection~title}
2213 \end{minipage}
2214 }
2215 \defbeamertemplate{subsubsection~frame}{gotham-splitvert-progressbar}{
2216 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2217 % \setbeamercolor{frametitle}{}
2218 \setlength{\sectionoffset}{1cm}
2219 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2220 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2221 \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2222 \setbeamertemplate{progress-bar-in-splitvert}[display]
2223 \setbeamertemplate{subsubsection~page}[gotham-splitvert-progressbar/simple]
2224 % \usebeamertemplate*{subsubsection~page}% activated automatically
2225 }
2226 \defbeamertemplate{subsubsection~frame}{gotham-splitvert-simple}{
2227 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2228 % \setbeamercolor{frametitle}{}
2229 \setlength{\sectionoffset}{1cm}
2230 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2231 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2232 \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2233 \setbeamertemplate{progress-bar-in-splitvert}[empty]
2234 \setbeamertemplate{subsubsection~page}[gotham-splitvert-progressbar/simple]
2235 % \usebeamertemplate*{subsubsection~page}% activated automatically
2236 }

```

(End of definition for \defbeamertemplate{part|section|subsection|subsubsection page}{gotham splitvert progressbar/simple}, \defbeamertemplate{part|section|subsection|subsubsection frame}{gotham splitvert progressbar}, and \defbeamertemplate{part|section|subsection|subsubsection frame}{gotham splitvert simple}. These functions are documented on page ??.)

on|subsubsection~page}{gotham~progressvert}
n|subsubsection~frame}{gotham~progressvert}

Templates for part |section |subsection |subsubsection pages for 'gotham progressvert'.

The following test files are used for this code: *gotham-test-041*.

```

2237
2238 % Part page progressvert.
2239 \defbeamertemplate{part~page}{gotham~progressvert}{
2240 % \frametitle{part!}
2241 % \IfEmpty{\insertframetitle}{
2242 \ifx\beamer@frametitle\@empty
2243 \vspace*{-0.05\paperheight}
2244 \else %}{
2245 \vspace*{-0.165\paperheight}

```

```

2246 \fi %}
2247 \setlength{\gotham@progressonsectionpage}{
2248 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2249 }
2250 {
2251 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2252 \colorlet{gotham@@tempColorB}{fg}
2253 \begin{tikzpicture}[overlay, remember~picture]
2254 \fill[color=gotham@@tempColor]
2255 ([shift={(0,0)}] current~page.north~west) --
2256 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2257 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2258 ([shift={(0,0)}] current~page.north~east)
2259 --cycle;
2260 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\section
2261 {\usebeamerfont{part~title}
2262 \partname \ \insertromanpartnumber
2263 \\\[1.75ex]
2264 \insertpart
2265 }
2266 }];
2267
2268 \clip
2269 ([shift={(0,0)}] current~page.south~west) --
2270 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2271 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2272 ([shift={(0,0)}] current~page.south~east)
2273 --cycle;
2274
2275 \fill[color=gotham@@tempColorB]
2276 ([shift={(0,0)}] current~page.south~west) --
2277 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2278 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2279 ([shift={(0,0)}] current~page.south~east)
2280 --cycle;
2281 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2282 {\usebeamerfont{part~title}
2283 \partname \ \insertromanpartnumber
2284 \\\
2285 \insertpart
2286 }
2287 }];
2288 \end{tikzpicture}

```

```

2289 }
2290 }
2291 \defbeamertemplate{part-frame}{gotham-progressvert}{
2292 \setbeamertemplate{background~canvas}[part/gotham]
2293 % \setbeamercolor{frametitle}{}
2294 \setlength{\sectionhoffset}{1cm}
2295 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2296 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2297 % \setbeamercolor{part~title}{use=frametitle, fg=frametitle.bg}
2298 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2299 \setbeamertemplate{part~page}[gotham-progressvert]
2300 % \usebeamertemplate*{section~page}% activated automatically
2301 }
2302
2303 % Section page progressvert.
2304 \defbeamertemplate{section~page}{gotham-progressvert}{
2305 % \frametitle{section!}
2306 % \IfEmpty{\insertframetitle}{
2307 \ifx\beamer@frametitle\@empty
2308 \vspace*{-0.05\paperheight}
2309 \else %}{
2310 \vspace*{-0.165\paperheight}
2311 \fi %}
2312 \setlength{\gotham@progressonsectionpage}{
2313 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2314 }
2315 {
2316 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2317 \colorlet{gotham@@tempColorB}{fg}
2318 \begin{tikzpicture}[overlay, remember~picture]
2319 \fill[color=gotham@@tempColor]
2320 ([shift={(0,0)}] current~page.north~west) --
2321 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2322 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2323 ([shift={(0,0)}] current~page.north~east)
2324 --cycle;
2325 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\secti
2326 {\usebeamerfont{section~title}
2327 \insertsectionnumber.~
2328 \insertsectionhead}
2329 };
2330
2331 \clip

```

```

2332 ([shift={(0,0)}] current~page.south-west) --
2333 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-west) --
2334 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-east) --
2335 ([shift={(0,0)}] current~page.south-east)
2336 --cycle;
2337
2338 \fill[color=gotham@@tempColorB]
2339 ([shift={(0,0)}] current~page.south-west) --
2340 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-west) --
2341 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-east) --
2342 ([shift={(0,0)}] current~page.south-east)
2343 --cycle;
2344 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2345 {\usebeamerfont{section~title}
2346 \insertsectionnumber.~
2347 \insertsectionhead}
2348 });
2349 \end{tikzpicture}
2350 }
2351 }
2352 \defbeamertemplate{section~frame}{gotham~progressvert}{
2353 \setbeamertemplate{background~canvas}[section/gotham]
2354 % \setbeamercolor{frametitle}{}
2355 \setlength{\sectionhoffset}{1cm}
2356 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2357 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2358 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2359 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2360 \setbeamertemplate{section~page}[gotham~progressvert]
2361 % \usebeamertemplate*{section~page}% activated automatically
2362 }
2363
2364 % Subection page progressvert.
2365 \defbeamertemplate{subsection~page}{gotham~progressvert}{
2366 % \frametitle{subsection!}
2367 % \IfEmpty{\insertframetitle}{
2368 \ifx\beamer@frametitle\@empty
2369 \vspace*{-0.05\paperheight}
2370 \else %}{
2371 \vspace*{-0.165\paperheight}
2372 \fi %}
2373 \setlength{\gotham@progressonsectionpage}{
2374 \paperheight * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}

```

```

2375 }
2376 {
2377 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2378 \colorlet{gotham@@tempColorB}{fg}
2379 \begin{tikzpicture}[overlay, remember~picture]
2380 \fill[color=gotham@@tempColor]
2381 ([shift={(0,0)}] current~page.north~west) --
2382 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2383 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2384 ([shift={(0,0)}] current~page.north~east)
2385 --cycle;
2386 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\section
2387 {\usebeamerfont{section~title}
2388 \insertsectionnumber.~
2389 \insertsectionhead}
2390 \\
2391 {\usebeamerfont{subsection~title}
2392 \insertsectionnumber.\insertsubsectionnumber.~
2393 \insertsubsectionhead}
2394 }];
2395
2396 \clip
2397 ([shift={(0,0)}] current~page.south~west) --
2398 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2399 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2400 ([shift={(0,0)}] current~page.south~east)
2401 --cycle;
2402
2403 \fill[color=gotham@@tempColorB]
2404 ([shift={(0,0)}] current~page.south~west) --
2405 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2406 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2407 ([shift={(0,0)}] current~page.south~east)
2408 --cycle;
2409 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2410 {\usebeamerfont{section~title}
2411 \insertsectionnumber.~
2412 \insertsectionhead}
2413 \\
2414 {\usebeamerfont{subsection~title}
2415 \insertsectionnumber.\insertsubsectionnumber.~
2416 \insertsubsectionhead}
2417 }];

```

```

2418 \end{tikzpicture}
2419 }
2420 }
2421 \defbeamertemplate{subsection~frame}{gotham~progressvert}{
2422 \setbeamertemplate{background~canvas}[subsection/gotham]
2423 % \setbeamercolor{frametitle}{}
2424 \setlength{\sectionoffset}{1cm}
2425 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2426 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2427 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2428 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2429 \setbeamertemplate{subsection~page}[gotham~progressvert]
2430 % \usebeamertemplate*{subsection~page}% activated automatically
2431 }
2432
2433 % Subsubsection page progressvert.
2434 \defbeamertemplate{subsubsection~page}{gotham~progressvert}{
2435 % \frametitle{subsubsection!}
2436 % \IfEmpty{\insertframetitle}{
2437 \ifx\beamer@frametitle\@empty
2438 \vspace*{-0.05\paperheight}
2439 \else %}{
2440 \vspace*{-0.165\paperheight}
2441 \fi %}
2442 \setlength{\gotham@progressonsectionpage}{
2443 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2444 }
2445 {
2446 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2447 \colorlet{gotham@@tempColorB}{fg}
2448 \begin{tikzpicture}[overlay, remember~picture]
2449 \fill[color=gotham@@tempColor]
2450 ([shift={(0,0)}] current~page.north~west) --
2451 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2452 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2453 ([shift={(0,0)}] current~page.north~east)
2454 --cycle;
2455 \node[color=gotham@@tempColorB, align=left, text-width=0.8\textwidth] at ([shift={(\secti
2456 {\usebeamerfont{section~title}
2457 \insertsectionnumber.~
2458 \insertsectionhead}
2459 \\
2460 {\usebeamerfont{subsection~title}

```



```

2461 \insertsectionnumber.\insertsubsectionnumber.~
2462 \insertsubsectionhead}
2463 \\
2464 {\usebeamerfont{subsubsection~title}
2465 \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2466 \insertsubsubsectionhead}
2467 };
2468
2469 \clip
2470 ([shift={(0,0)}] current~page.south~west) --
2471 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2472 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2473 ([shift={(0,0)}] current~page.south~east)
2474 --cycle;
2475
2476 \fill[color=gotham@@tempColorB]
2477 ([shift={(0,0)}]current~page.south~west) --
2478 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2479 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2480 ([shift={(0,0)}] current~page.south~east)
2481 --cycle;
2482 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2483 {\usebeamerfont{section~title}
2484 \insertsectionnumber.~
2485 \insertsectionhead}
2486 \\
2487 {\usebeamerfont{subsection~title}
2488 \insertsectionnumber.\insertsubsectionnumber.~
2489 \insertsubsectionhead}
2490 \\
2491 {\usebeamerfont{subsubsection~title}
2492 \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2493 \insertsubsubsectionhead}
2494 };
2495 \end{tikzpicture}
2496 }
2497 }
2498 \defbeamertemplate{subsubsection~frame}{gotham~progressvert}{
2499 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2500 % \setbeamercolor{frametitle}{}
2501 \setlength{\sectionoffset}{1cm}
2502 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2503 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}

```

```

2504 % \setbeamercolor{subsubsection-title}{use=frametitle, fg=frametitle.bg}
2505 % \setbeamertemplate{progress-bar~in~splitvert}[display]
2506 \setbeamertemplate{subsubsection-page}[gotham-progressvert]
2507 % \usebeamertemplate*{subsubsection-page}% activated automatically
2508 }

```

(End of definition for `\defbeamertemplate{part/section/subsection/subsubsection page}{gotham progressvert}` and `\defbeamertemplate{part/section/subsection/subsubsection frame}{gotham progressvert}`. These functions are documented on page ??.)

`inner_key_{}_interface` Controls the inner settings for `partframe` (or `sectionframe`, `subsectionframe` and `subsubsectionframe` respectively) and `standin`.

The following test files are used for this code: *gotham-test-041*.

```

2509 \keys_define:nn { gotham / inner }{
2510 % partframe template
2511 partframe~template .usage:n = { general },
2512 partframe~template .default:n = { gotham-progressbar },
2513 partframe~template .code:n = { \__gotham_set_template:nn{part~frame}{#1} }
2514 }
2515 \keys_define:nn { gotham / inner }
2516 {
2517 % partframe default
2518 partframe~default .choice:,
2519 partframe~default .usage:n = { general },
2520 partframe~default .default:n = { true },
2521
2522 partframe~default / true .code:n = { \__gotham_inner_enable_partpage: },
2523 partframe~default / on .code:n = { \__gotham_inner_enable_partpage: },
2524 partframe~default / enable .code:n = { \__gotham_inner_enable_partpage: },
2525
2526 partframe~default / false .code:n = { \__gotham_inner_disable_partpage: },
2527 partframe~default / off .code:n = { \__gotham_inner_disable_partpage: },
2528 partframe~default / disable .code:n = { \__gotham_inner_disable_partpage: },
2529
2530 partframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unkn
2531 }
2532
2533 \keys_define:nn { gotham / inner }{
2534 % sectionframe template
2535 sectionframe~template .usage:n = { general },
2536 sectionframe~template .default:n = { gotham-progressbar },
2537 sectionframe~template .code:n = { \__gotham_set_template:nn{section~frame}{#1} }
2538 }

```

```

2539 \keys_define:nn { gotham / inner }
2540 {
2541 % sectionframe default
2542 sectionframe~default .choice:,
2543 sectionframe~default .usage:n = { general },
2544 sectionframe~default .default:n = { true },
2545
2546 sectionframe~default / true .code:n = { \__gotham_inner_enable_sectionpage: },
2547 sectionframe~default / on .code:n = { \__gotham_inner_enable_sectionpage: },
2548 sectionframe~default / enable .code:n = { \__gotham_inner_enable_sectionpage: },
2549
2550 sectionframe~default / false .code:n = { \__gotham_inner_disable_sectionpage: },
2551 sectionframe~default / off .code:n = { \__gotham_inner_disable_sectionpage: },
2552 sectionframe~default / disable .code:n = { \__gotham_inner_disable_sectionpage: },
2553
2554 sectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The-choice-~'#1'~is-u
2555 }
2556
2557 \keys_define:nn { gotham / inner }{
2558 % subsectionframe template
2559 subsectionframe~template .usage:n = { general },
2560 subsectionframe~template .default:n = { gotham-progressbar },
2561 subsectionframe~template .code:n = { \__gotham_set_template:nn{subsection~frame}{#1} }
2562 }
2563 \keys_define:nn { gotham / inner }
2564 {
2565 % subsectionframe default
2566 subsectionframe~default .choice:,
2567 subsectionframe~default .usage:n = { general },
2568 subsectionframe~default .default:n = { true },
2569
2570 subsectionframe~default / true .code:n = { \__gotham_inner_enable_subsectionpage: },
2571 subsectionframe~default / on .code:n = { \__gotham_inner_enable_subsectionpage: },
2572 subsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsectionpage: },
2573
2574 subsectionframe~default / false .code:n = { \__gotham_inner_disable_subsectionpage: },
2575 subsectionframe~default / off .code:n = { \__gotham_inner_disable_subsectionpage: },
2576 subsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsectionpage: },
2577
2578 subsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'~i
2579 }
2580
2581 \keys_define:nn { gotham / inner }{

```

```

2582 % subsectionframe template
2583 subsectionframe~template .usage:n = { general },
2584 subsectionframe~template .default:n = { gotham~progressbar },
2585 subsectionframe~template .code:n = { \__gotham_set_template:nn{subsection~frame}{#1}
2586 }
2587 \keys_define:nn { gotham / inner }
2588 {
2589 % subsectionframe default
2590 subsectionframe~default .choice:,
2591 subsectionframe~default .usage:n = { general },
2592 subsectionframe~default .default:n = { true },
2593
2594 subsectionframe~default / true .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2595 subsectionframe~default / on .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2596 subsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsubsectionpage: }
2597
2598 subsectionframe~default / false .code:n = { \__gotham_inner_disable_subsubsectionpage: }
2599 subsectionframe~default / off .code:n = { \__gotham_inner_disable_subsubsectionpage: },
2600 subsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsubsectionpage: }
2601
2602 subsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
2603 }

```

(End of definition for inner key - interface. This function is documented on page ??.)

Table of Content

`\tikzset{section-number/.style={}` Definition of how sections, subsections and subsubsections' numbers will appear in 'gotham bullet' style for tables of contents.

The following test files are used for this code: gotham-test-042.

```

2604 \tikzset{section~number/.style={
2605   circle,
2606   fill=colorAlert,
2607   minimum~size=0.4em,
2608   text=colorAlert!10,
2609   inner~sep=1.5pt,
2610 },
2611 section/.style={
2612   draw=none,
2613   rectangle,
2614   minimum~height=1em,
2615   minimum~width=0.8\textwidth,
2616   text~width=0.8\textwidth,

```

```

2617   text=fg,
2618   align=left
2619 },
2620 subsection-number/.style={
2621   circle,
2622   fill=colorBackElement!50,
2623   inner~sep=0pt,
2624   minimum~size=0.15cm,
2625 },
2626 subsection/.style={
2627   draw=none,
2628   rectangle,
2629   minimum~height=1em,
2630   minimum~width=0.8\textwidth,
2631   text~width=0.8\textwidth,
2632   text=fg!80,
2633   align=left
2634 },
2635 subsubsection-number/.style={
2636   circle,
2637   fill=colorBackElement!50,
2638   inner~sep=0pt,
2639   minimum~size=0.06cm,
2640 },
2641 subsubsection/.style={
2642   draw=none,
2643   rectangle,
2644   minimum~height=1em,
2645   minimum~width=0.8\textwidth,
2646   text~width=0.8\textwidth,
2647   text=fg!80,
2648   align=left
2649 },
2650 }

```

(End of definition for `\tikzset{section-number/.style={}}`. This function is documented on page ??.)

`\amertemplate{section-in-toc}{gotham-bullet}` Template definitions for gotham bullet style of ToC that appear in section |subsection |subsubsection frame.

The following test files are used for this code: *gotham-test-042*.

```

2651 \defamertemplate{section~in~toc}{gotham~bullet}{
2652   \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section-number]{\textbf{\small\inserttocsectionn

```

```

2653 \tikz[baseline=-0.5ex]\node[section]{\usebeamerfont*{toc~title} \inserttocsection};\[-0.
2654 \hspace*{1.13cm}{\usebeamerfont*{fg}{footer} \rule{0.6\paperwidth}{0.2pt}\nointerlineskip
2655 }
2656 \defbeamertemplate{subsection-in-toc}{gotham-bullet}{
2657 \hspace*{0.53cm}\tikz[baseline=-0.5ex]\node[subsection-number]{};
2658 \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[subsection]{\usebeamerfont*{toc~subtitle}\insert
2659 }
2660 \defbeamertemplate{subsubsection-in-toc}{gotham-bullet}{
2661 \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection-number]{};
2662 \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection]{\usebeamerfont*{toc~subtitle}\in
2663 }
2664 % Shaded for sections already done in the presentation.
2665 \defbeamertemplate{section-in-toc~shaded}{gotham-bullet}{
2666 \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section-number, fill=colorBackElement!40, text=b
2667 \tikz[baseline=-0.5ex]\node[section, text=colorExample!20]{\usebeamerfont*{toc~title} \in
2668 \hspace*{1.3cm}{\usebeamerfont*{fg}{footer} \rule{0.6\paperwidth}{0.2pt}\nointerlineskip
2669 }
2670 \defbeamertemplate{subsection-in-toc~shaded}{gotham-bullet}{
2671 \hspace*{0.55cm}\tikz[baseline=-0.5ex]\node[subsection-number, fill=colorBackElement!20]{};
2672 \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[subsection, text=colorBackElement!20]{};\[-0.2c
2673 }
2674 \defbeamertemplate{subsubsection-in-toc~shaded}{gotham-bullet}{
2675 \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection-number, fill=colorBackElement!20]{
2676 \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection, text=colorBackElement!20]{\usebea
2677 }

```

(End of definition for `\defbeamertemplate{section-in-toc}{gotham-bullet}`. This function is documented on page ??.)

`\defbeamertemplate{section-in-toc}{gotham-bullet}` Template definitions for gotham simple style of ToC that appear in section |subsection |subsubsection frame.

The following test files are used for this code: *gotham-test-042*.

```

2678 \defbeamertemplate{part-in-toc}{gotham-simple}{
2679 {{\inserttocpartnumber}.}~\inserttocpart
2680 \\\
2681 }
2682 \defbeamertemplate{section-in-toc}{gotham-simple}{
2683 {{\inserttocsectionnumber}.}~\inserttocsection
2684 \\\
2685 }
2686 \defbeamertemplate{subsection-in-toc}{gotham-simple}{
2687 \quad{{\inserttocsectionnumber}. \inserttocsubsectionnumber.}~\inserttocsubsection%
2688 \\\

```

```

2689 }
2690 \defbeamertemplate{subsubsection-in-toc}{gotham-simple}{
2691 \quad{\inserttocsectionnumber}.\inserttocsubsectionnumber.\inserttocsubsubsectionnumber.}
2692 \\\
2693 }

```

(End of definition for `\defbeamertemplate{section-in-toc}{gotham-bullet}`. This function is documented on page ??.)

`\plate{background-canvas}{toc/gotham-simple}` Definition of toc page style named gotham simple and gotham bullet, used for table of
`mertemplate{toc-page}{gotham-simple|bullet}` content pages. Both are using a dedicated background canvas.

The following test files are used for this code: *gotham-test-042*.

```

2694 \defbeamertemplate{background-canvas}{toc/gotham-simple}{
2695 \ifbeamercolorempy[bg]{standin}{}{
2696 \color{bg}\vrule width\paperwidth height\paperheight
2697 }
2698 }
2699 \defbeamertemplate{toc-page}{gotham-simple}{
2700 \setbeamertemplate{part-in-toc}[gotham-simple]
2701 \setbeamertemplate{section-in-toc}[gotham-simple]
2702 \setbeamertemplate{subsection-in-toc}[gotham-simple]
2703 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2704 \setbeamertemplate{background-canvas}[toc/gotham-simple]
2705 }
2706 \defbeamertemplate{toc-page}{gotham-bullet}{
2707 \setbeamertemplate{part-in-toc}[gotham-bullet]
2708 \setbeamertemplate{section-in-toc}[gotham-bullet]
2709 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
2710 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
2711 \setbeamertemplate{background-canvas}[toc/gotham-simple]
2712 }

```

(End of definition for `\defbeamertemplate{background-canvas}{toc/gotham-simple}` and `\defbeamertemplate{toc-page}`. These functions are documented on page ??.)

`]\begin{frame}[toc]` Add a frame option `toc` to display the toc frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: *gotham-test-042*.

```

2713 \newenvironment{tocenv}{
2714 \usebeamertemplate{toc-page}

```

```

2715 }{}
2716 \__gotham_add_beamerframe_key:n {toc}

```

(End of definition for `\begin{frame}[toc]`. This function is documented on page 29.)

`background-canvas}{toc-part|section|subsection-gotham}` Definition of the background canvas used by the toc in part | section | subsection.

The following test files are used for this code: *gotham-test-042*.

```

2717 \defbeamertemplate{background-canvas}{toc-part-gotham}{
2718 \ifbeamercolorempty[bg]{normal-text}{\color{bg}\vrule width\paperwidth height\paperheight}
2719 }
2720 \defbeamertemplate{background-canvas}{toc-section-gotham}{
2721 \ifbeamercolorempty[bg]{normal-text}{\color{bg}\vrule width\paperwidth height\paperheight}
2722 }
2723 \defbeamertemplate{background-canvas}{toc-subsection-gotham}{
2724 \ifbeamercolorempty[bg]{normal-text}{\color{bg}\vrule width\paperwidth height\paperheight}
2725 }

```

(End of definition for `\defbeamertemplate{background-canvas}{toc-part|section|subsection-gotham}`. This function is documented on page ??.)

`beamertemplate{toc-part-frame}{gotham-simple}` Definition of the toc in part | section | subsection templates for gotham simple style.

The following test files are used for this code: *gotham-test-042*.

```

2726 \defbeamertemplate{toc-part-frame}{gotham-simple}{
2727 \setbeamertemplate{part-in-toc}[gotham-simple]
2728 \setbeamertemplate{section-in-toc}[gotham-simple]
2729 \setbeamertemplate{subsection-in-toc}[gotham-simple]
2730 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2731 \setbeamertemplate{background-canvas}[toc-part-gotham]
2732 \setbeamertemplate{frametitle}[toc-gotham]
2733 % \usebeamertemplate*{part-page}% already included
2734 }
2735 \defbeamertemplate{toc-section-frame}{gotham-simple}{
2736 \setbeamertemplate{part-in-toc}[gotham-simple]
2737 \setbeamertemplate{section-in-toc}[gotham-simple]
2738 \setbeamertemplate{subsection-in-toc}[gotham-simple]
2739 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2740 \setbeamertemplate{background-canvas}[toc-section-gotham]
2741 \setbeamertemplate{frametitle}[toc-gotham]%
2742 % \usebeamertemplate*{section-page}% already included
2743 }
2744 \defbeamertemplate{toc-subsection-frame}{gotham-simple}{
2745 \setbeamertemplate{part-in-toc}[gotham-simple]

```



```

2746 \setbeamertemplate{section-in-toc}[gotham-simple]
2747 \setbeamertemplate{subsection-in-toc}[gotham-simple]
2748 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2749 \setbeamertemplate{background-canvas}[toc-subsection-gotham]
2750 \setbeamertemplate{frametitle}[toc-gotham]
2751 % \usebeamertemplate*{subsection-page}% already included
2752 }

```

(End of definition for `\defbeamertemplate{toc-part-frame}{gotham-simple}`. This function is documented on page ??.)

`\setbeamertemplate{toc-part-frame}{gotham-bullet}` Definition of the toc in part | section | subsection templates for gotham bullet style.

The following test files are used for this code: `gotham-test-042`.

```

2753 \defbeamertemplate{toc-part-frame}{gotham-bullet}{
2754 \setbeamertemplate{part-in-toc}[gotham-bullet]
2755 \setbeamertemplate{section-in-toc}[gotham-bullet]
2756 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
2757 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
2758 \setbeamertemplate{background-canvas}[toc-part-gotham]
2759 \setbeamertemplate{frametitle}[toc-gotham]
2760 % \usebeamertemplate*{part-page}% already included
2761 }
2762 \defbeamertemplate{toc-section-frame}{gotham-bullet}{
2763 \setbeamertemplate{part-in-toc}[gotham-bullet]
2764 \setbeamertemplate{section-in-toc}[gotham-bullet]
2765 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
2766 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
2767 \setbeamertemplate{background-canvas}[toc-section-gotham]
2768 \setbeamertemplate{frametitle}[toc-gotham]%
2769 % \usebeamertemplate*{section-page}% already included
2770 }
2771 \defbeamertemplate{toc-subsection-frame}{gotham-bullet}{
2772 \setbeamertemplate{part-in-toc}[gotham-bullet]
2773 \setbeamertemplate{section-in-toc}[gotham-bullet]
2774 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
2775 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
2776 \setbeamertemplate{background-canvas}[toc-subsection-gotham]
2777 \setbeamertemplate{frametitle}[toc-gotham]
2778 % \usebeamertemplate*{subsection-page}% already included
2779 }

```

(End of definition for `\defbeamertemplate{toc-part-frame}{gotham-bullet}`. This function is documented on page ??.)

`]\begin{frame}[tocpart]` Add a frame option `tocpart` to display the `tocpart` frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-042`.

```

2780 \bool_new:N \l_gotham_tocpartframe
2781 \bool_set_false:N \l_gotham_tocpartframe
2782 \define@key{beamerframe}{tocpart}[true]{
2783   \bool_set_true:N \l_gotham_tocpartframe
2784   \begingroup
2785     \usebeamertemplate{toc-part-frame}
2786   }
2787 \apptocmd{\beamer@reseteecodes}{
2788   \bool_if:NTF \l_gotham_tocpartframe {
2789     \endgroup
2790     \bool_set_false:N \l_gotham_tocpartframe
2791   }{}
2792 }{}{}
2793 % \define@key{beamerframe}{tocpart}[true]{
2794 %   \thispagestyle{navigation@tocpart}
2795 % }
2796 % \def\ps@navigation@tocpart{
2797 %   \usebeamertemplate{toc-part-frame}
2798 %   \@nameuse{ps@navigation}
2799 % }

```

(End of definition for `]\begin{frame}[tocpart]`. This function is documented on page 29.)

`]\begin{frame}[tocsec]` Add a frame option `tocsec` to display the `tocsec` frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-042`.

```

2800 \bool_new:N \l_gotham_tocsectionframe
2801 \bool_set_false:N \l_gotham_tocsectionframe
2802 \define@key{beamerframe}{tocsec}[true]{
2803   \bool_set_true:N \l_gotham_tocsectionframe
2804   \begingroup
2805     \usebeamertemplate{toc-section-frame}
2806   }
2807 \apptocmd{\beamer@reseteecodes}{
2808   \bool_if:NTF \l_gotham_tocsectionframe {
2809     \endgroup

```

```

2810 \bool_set_false:N \l_gotham_tocsectionframe
2811 }{}
2812 }{}{}
2813 % \define@key{beamerframe}{tocsec}[true]{
2814 % \thispagestyle{navigation@tocsec}
2815 % }
2816 % \def\ps@navigation@tocsec{
2817 % \usebeamertemplate{toc~section~frame}
2818 % \@nameuse{ps@navigation}
2819 % }

```

(End of definition for `\begin{frame}[tocsec]`. This function is documented on page 29.)

`]\begin{frame}[tocsubsec]` Add a frame option `tocsubsec` to display the `tocsubsec` frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-042`.

```

2820 \bool_new:N \l_gotham_tocsubsubsectionframe
2821 \bool_set_false:N \l_gotham_tocsubsubsectionframe
2822 \define@key{beamerframe}{tocsubsec}[true]{
2823 \bool_set_true:N \l_gotham_tocsubsubsectionframe
2824 \begingroup
2825 \usebeamertemplate{toc~subsection~frame}
2826 }
2827 \apptocmd{\beamer@reseteecodes}{
2828 \bool_if:NTF \l_gotham_tocsubsubsectionframe {
2829 \endgroup
2830 \bool_set_false:N \l_gotham_tocsubsubsectionframe
2831 }{}
2832 }{}{}
2833 % \define@key{beamerframe}{tocsubsec}[true]{
2834 % \thispagestyle{navigation@tocsubsec}
2835 % }
2836 % \def\ps@navigation@tocsubsec{
2837 % \usebeamertemplate{toc~subsection~frame}
2838 % \@nameuse{ps@navigation}
2839 % }

```

(End of definition for `\begin{frame}[tocsubsec]`. This function is documented on page 29.)

`]\begin{frame}[tocsubsubsec]` Add a frame option `tocsubsubsec` to display the `tocsubsubsec` frame template. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: *gotham-test-042*.

```

2840 \bool_new:N \l_gotham_tocsubsubsectionframe
2841 \bool_set_false:N \l_gotham_tocsubsubsectionframe
2842 \define@key{beamerframe}{tocsubsubsec}[true]{
2843 \bool_set_true:N \l_gotham_tocsubsubsectionframe
2844 \begingroup
2845 \usebeamertemplate{toc~subsubsection~frame}
2846 }
2847 \apptocmd{\beamer@reseteecodes}{
2848 \bool_if:NTF \l_gotham_tocsubsubsectionframe {
2849 \endgroup
2850 \bool_set_false:N \l_gotham_tocsubsubsectionframe
2851 }{}}
2852 }{}{}
2853 % \define@key{beamerframe}{tocsubsubsec}[true]{
2854 % \thispagestyle{navigation@tocsubsubsec}
2855 % }
2856 % \def\ps@navigation@tocsubsubsec{
2857 % \usebeamertemplate{toc~subsubsection~frame}
2858 % \@nameuse{ps@navigation}
2859 % }

```

(End of definition for `\begin{frame}[tocsubsubsec]`. This function is documented on page 30.)

`inner_key_□_□interface` Controls the inner settings for `parttocframe` (or `sectocframe`, `subsectocframe` respectively).

The following test files are used for this code: *gotham-test-041*.

```

2860 \keys_define:nn { gotham / inner }
2861 {
2862 % TOC style
2863 tocfraction-template .usage:n = { general },
2864 tocfraction-template .default:n = { gotham~bullet },
2865 tocfraction-template .code:n = { \__gotham_set_template:nn{toc~page}{#1} }
2866 }
2867
2868 \keys_define:nn { gotham / inner }{
2869 % parttocframe template
2870 parttocframe-template .usage:n = { general },
2871 parttocframe-template .default:n = { gotham~simple },
2872 parttocframe-template .code:n = { \__gotham_set_template:nn{toc~part~frame}{#1} }
2873 }
2874 \keys_define:nn { gotham / inner }

```

```

2875 {
2876 % parttocframe default
2877 parttocframe~default .choice:,
2878 parttocframe~default .usage:n = { general },
2879 parttocframe~default .default:n = { true },
2880
2881 parttocframe~default / true .code:n = { \booltrue{partContent} },
2882 parttocframe~default / on .code:n = { \booltrue{partContent} },
2883 parttocframe~default / enable .code:n = { \booltrue{partContent} },
2884
2885 parttocframe~default / false .code:n = { \boolfalse{partContent} },
2886 parttocframe~default / off .code:n = { \boolfalse{partContent} },
2887 parttocframe~default / disable .code:n = { \boolfalse{partContent} },
2888
2889 parttocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
2890 }
2891
2892 \keys_define:nn { gotham / inner }{
2893 % sectiontocframe template
2894 sectiontocframe~template .usage:n = { general },
2895 sectiontocframe~template .default:n = { gotham~simple },
2896 sectiontocframe~template .code:n = { \__gotham_set_template:nn{toc~section~frame}{#1} }
2897 }
2898 \keys_define:nn { gotham / inner }
2899 {
2900 % sectiontocframe default
2901 sectiontocframe~default .choice:,
2902 sectiontocframe~default .usage:n = { general },
2903 sectiontocframe~default .default:n = { true },
2904
2905 sectiontocframe~default / true .code:n = { \booltrue{sectionContent} },
2906 sectiontocframe~default / on .code:n = { \booltrue{sectionContent} },
2907 sectiontocframe~default / enable .code:n = { \booltrue{sectionContent} },
2908
2909 sectiontocframe~default / false .code:n = { \boolfalse{sectionContent} },
2910 sectiontocframe~default / off .code:n = { \boolfalse{sectionContent} },
2911 sectiontocframe~default / disable .code:n = { \boolfalse{sectionContent} },
2912
2913 sectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~i
2914 }
2915
2916 \keys_define:nn { gotham / inner }{
2917 % subsectiontocframe template

```

```

2918 subsectiontocframe~template .usage:n = { general },
2919 subsectiontocframe~template .default:n = { gotham~simple },
2920 subsectiontocframe~template .code:n = { \__gotham_set_template:nn{toc~subsection~frame}{#1}
2921 }
2922 \keys_define:nn { gotham / inner }
2923 {
2924 % subsectiontocframe default
2925 subsectiontocframe~default .choice:,
2926 subsectiontocframe~default .usage:n = { general },
2927 subsectiontocframe~default .default:n = { true },
2928
2929 subsectiontocframe~default / true .code:n = { \booltrue{subsectionContent} },
2930 subsectiontocframe~default / on .code:n = { \booltrue{subsectionContent} },
2931 subsectiontocframe~default / enable .code:n = { \booltrue{subsectionContent} },
2932
2933 subsectiontocframe~default / false .code:n = { \boolfalse{subsectionContent} },
2934 subsectiontocframe~default / off .code:n = { \boolfalse{subsectionContent} },
2935 subsectiontocframe~default / disable .code:n = { \boolfalse{subsectionContent} },
2936
2937 subsectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
2938 }

```

(End of definition for inner key - interface. This function is documented on page ??.)

Environments styles

`\gotham@blocksep` `blocksep` and `blockadjust` lengths used in `\gotham@block` definition. While `gotham@strut` `\gotham@blockadjust` is a command to ensure verticale spacing equivalent to a line.

```

2939 \newlength{\gotham@blocksep}
2940 \newlength{\gotham@blockadjust}
2941 \setlength{\gotham@blocksep}{0.75ex}
2942 \setlength{\gotham@blockadjust}{0.25ex}
2943 \providecommand{\gotham@strut}{
2944 \vphantom{ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz (/)}
2945 }

```

(End of definition for \gotham@blocksep and \gotham@blockadjust. These variables are documented on page ??.)

`\gotham@parskip` length `parskip` defined by `gotham` and the `linespread` are adjusted.

```

\linespread
2946 \newlength{\gotham@parskip}
2947 \setlength{\gotham@parskip}{0.5em}
2948 \setlength{\parskip}{\gotham@parskip}

```

2949 `\linespread{1.15}`

(End of definition for `\gotham@parskip` and `\linespread`. These variables are documented on page ??.)

`\newcommand{\gotham@block}[1]` The three different block environments differ only in their colours. Rather than repeat the essentially the same template three times, we use the auxiliary macro `\gotham@block` to define all three templates.

The following test files are used for this code: *gotham-test-043*.

```
2950 \newcommand{\gotham@block}[1]{
2951   \par\vskip\medskipamount
2952   \setlength{\parskip}{0pt}
2953
2954   % If a background color is defined for the block title or body, we need to add a little bit
2955   % Ideally, this would be accomplished by setting |colsep=0.75ex|, which is intended to add
2956   % Unfortunately, |colsep| also adds this separation if the background color is inherited, e
2957   % (The technical reason for this boils down to the fact that the |\ifx| directive does not
2958   %
2959   % To achieve the correct spacing for |alertblock|s and |exampleblock|s as well as for norma
2960   %
2961   % If the |block title| background is empty, or the user has explicitly removed the backgrou
2962   \ifbeamercolorempty[bg]{block~title#1}{%
2963     \begin{beamercolorbox}[rightskip=0pt~plus~4em]{block~title#1}
2964   }{
2965     \ifbeamercolorempty[bg]{block~title}{
2966       \begin{beamercolorbox}[rightskip=0pt~plus~4em]{block~title#1}
2967     }
2968     % Otherwise, if the |block title| has a background, we set the padding based on |\gotham@
2969     % However, we have to visually compensate for the |\gotham@strut| added to the block title
2970     %
2971     {
2972       \begin{beamercolorbox}[
2973         sep=\dimexpr\gotham@blocksep-\gotham@blockadjust\relax,
2974         leftskip=\gotham@blockadjust,
2975         rightskip=\dimexpr\gotham@blockadjust~plus~4em\relax,
2976       ]{block~title#1}
2977     }
2978   }
2979   % We can now set the contents of the |block title|.
2980   % The zero-width but positive-height box |\gotham@strut| ensures that the block title box h
2981   %
2982   \usebeamerfont*{block~title#1}
2983   \gotham@strut
```

```

2984 \insertblocktitle
2985 \gotham@strut
2986 \end{beamercolorbox}
2987 % Next, we typeset the |block body|.
2988 % This the code is similar to, but simpler than, the |block title| code since we don't need
2989 \nointerlineskip
2990 \ifbeamercolorempy[bg]{block~body#1}{
2991 \begin{beamercolorbox}[vmode]{block~body#1}
2992 }{
2993 \ifbeamercolorempy[bg]{block~body}{
2994 \begin{beamercolorbox}[vmode]{block~body#1}
2995 }{
2996 \begin{beamercolorbox}[sep=\gotham@blocksep, vmode]{block~body#1}
2997 \vspace{-\gotham@parskip}
2998 }
2999 }
3000 \usebeamerfont{block~body#1}
3001 \setlength{\parskip}{\gotham@parskip}
3002 }
3003 % This concludes the auxiliary macro |\gotham@block|.

```

(End of definition for \newcommand{\gotham@block}[1]. This function is documented on page ??.)

\defbeamertemplate{block~begin}{gotham} We could define the block beamer templates using the auxiliary macro \gotham@block.... Yet, following the precious advice from Sam Carter <https://github.com/jolars/moloch/issues/6>, we should keep beamer blocks. But of course, one can go back to metropolis style using the commented lines here.

The following test files are used for this code: *gotham-test-043*.

```

3004 % \defbeamertemplate*{block~begin}{gotham}{\gotham@block{}}
3005 % \defbeamertemplate*{block~alerted~begin}{gotham}{\gotham@block{~alerted}}
3006 % \defbeamertemplate*{block~example~begin}{gotham}{\gotham@block{~example}}
3007 % \defbeamertemplate*{block~end}{gotham}{\end{beamercolorbox}\vspace*{0.2ex}}
3008 % \defbeamertemplate*{block~alerted~end}{gotham}{\end{beamercolorbox}\vspace*{0.2ex}}
3009 % \defbeamertemplate*{block~example~end}{gotham}{\end{beamercolorbox}\vspace*{0.2ex}}

```

(End of definition for \defbeamertemplate{block~begin}{gotham}. This function is documented on page ??.)

\defbeamertemplate{block~begin}{gotham} We define the block beamer templates using the auxiliary macro \gotham@block.

The following test files are used for this code: *gotham-test-043*.

```

3010 \defbeamertemplate*{itemize~item}{gotham}{%\textbullet}

```



```

3011 \Large
3012 \setbeamertemplate{itemize-item}[circle]
3013 \usebeamertemplate{itemize-item}
3014 }
3015 \defbeamertemplate*{itemize-subitem}{gotham}{%$ \blacktriangleright$
3016 \scriptsize
3017 \setbeamertemplate{itemize-subitem}[triangle]
3018 \usebeamertemplate{itemize-subitem}
3019 }
3020 \defbeamertemplate*{itemize-subsubitem}{gotham}{%square or -
3021 \Tiny
3022 $\blacksquare$ % \textbf{-}
3023 % \setbeamertemplate{itemize-subsubitem}[square]
3024 % \usebeamertemplate{itemize-subsubitem} % not working because the size of the square is ha
3025 }
3026
3027 %% TRY: enumitem package, enumitem and beamer are incompatible.
3028 % \setitemize[label=\usebeamerfont*{itemize-item}
3029 % \usebeamerfont{fg}{itemize-item}
3030 % \usebeamertemplate{itemize-item}}
3031 %% I tried to redefine everything to make them compatible, but it breaks the [alert] environ
3032

```

(End of definition for `\defbeamertemplate{block-begin}{gotham}`. This function is documented on page ??.)

`\defbeamertemplate{caption}` Templates definitions for caption and footnote.

`\defbeamertemplate{footnote}` The following test files are used for this code: *gotham-test-043*.

```

3033 \defbeamertemplate*{caption-label-separator}{gotham}{:~}
3034 \setbeamertemplate{caption}[numbered]
3035 \defbeamertemplate*{footnote}{gotham}{
3036 \parindent~0em\noindent
3037 \raggedright
3038 \usebeamerfont{footnote}\hbox~to~0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par
3039 }

```

(End of definition for `\defbeamertemplate{caption}` and `\defbeamertemplate{footnote}`. These functions are documented on page 30.)

`Default_inner_keys` Apply default key options.

The following test files are used for this code: *gotham-test-043*.

```

3040 % when no value is given, default is called.

```

```

3041 \keys_set:nn { gotham / inner } {
3042   title~page,
3043   watermark~template, watermark~default,
3044   standout~template, standin~template,
3045   partframe~template, partframe~default,
3046   sectionframe~template, sectionframe~default,
3047   subsectionframe~template, subsectionframe~default,
3048   subsubsectionframe~template, subsubsectionframe~default,
3049   tocf~template,
3050   parttoctocframe~template, parttoctocframe~default,
3051   sectiontoctocframe~template, sectiontoctocframe~default,
3052   subsectiontoctocframe~template, subsectiontoctocframe~default,
3053   % subsubsectiontoctocframe~template, subsubsectiontoctocframe~default,
3054 }

```

(End of definition for Default inner keys. This function is documented on page ??.)

`Process_inner_keys` Process package options.

The following test files are used for this code: `gotham-test-043`.

```

3055 \ProcessKeyOptions[ gotham / inner ]
3056 % \mode<all>

```

(End of definition for Process inner keys. This function is documented on page ??.)

```

3057 %\endinput
3058 </inner>

```

```

3059 <*outer>
3060 \ProvidesExplPackage{beamerouterthemegotham}{2024/09/20}{1.1.0.b}{gotham outer theme}
3061 \RequirePackage{expl3}
3062 \RequirePackage{xfp}
3063 \RequirePackage{calc}
3064 \RequirePackage{tikz}

```

OUTER

`Compitibility_mode_for_colors` FROM COLOR THEME: useful to provide this recall when the inner theme is loaded without the color theme.

```

3065 \@ifundefined{\string\color@colorProgBar}{
3066   \providebool{darkBG} \boolfalse{darkBG}
3067   \providebool{transparentBG} \booltrue{transparentBG}

```

```

3068 \colorlet{colorBG}{white}
3069 \colorlet{colorFG}{black}
3070 \colorlet{colorFrametitle}{purple}
3071 \colorlet{colorStandout}{purple}
3072 \colorlet{colorStandin}{purple}
3073 \colorlet{colorTitlepage}{purple}
3074 \colorlet{colorFiligrane}{gray}
3075 \colorlet{colorBackElement}{gray}
3076 \colorlet{colorProgBar}{orange}
3077 \colorlet{colorAlert}{red}
3078 \colorlet{colorExample}{green}
3079 \colorlet{colorFrametitle}{purple}
3080 \colorlet{colorTitlepage}{purple}
3081 \setbeamercolor{progress~bar}{
3082   use=alerted~text,
3083   fg=colorProgBar,
3084   bg=alerted~text.fg!50!black!30
3085 }
3086 \setbeamercolor{progress~bar~in~head/foot}{%
3087   use=progress~bar,
3088   parent=progress~bar
3089 }
3090 \setbeamercolor{progress~bar~in~part~page}{
3091   use=progress~bar,
3092   parent=progress~bar
3093 }
3094 \setbeamercolor{progress~bar~in~section~page}{
3095   use=progress~bar,
3096   parent=progress~bar
3097 }
3098 \setbeamercolor{progress~bar~in~splitvert}{
3099   use=progress~bar,
3100   parent=progress~bar
3101 }
3102 \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
3103 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
3104 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
3105 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
3106 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
3107 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
3108 }{
3109 % else the colors are defined: this is fine.
3110 }

```

(End of definition for Compitibility mode for colors. This function is documented on page ??.)

`\l__gotham_template_name_prop` Dictionary/map of template elements and predefined option according to the context. Naming convention: template/What/Who, i.e. Name: key=background canvas/watermark, value = gotham draft

```
3111 \prop_if_exist:NTF \l__gotham_template_name_prop
3112 {}{
3113 % if not defined than define it.
3114 \prop_new:N \l__gotham_template_name_prop
3115 }
```

(End of definition for \l__gotham_template_name_prop.)

`\l__gotham_tmpa_seq` tmp variables

```
\l__gotham_tmpa_tl
\l__gotham_tmpp_tl
3116 \seq_if_exist:NTF \l__gotham_tmpa_seq
3117 {}{
3118 % sequence
3119 \seq_new:N \l__gotham_tmpa_seq
3120 }
3121 \tl_if_exist:NTF \l__gotham_tmpa_tl
3122 {}{
3123 % token list A
3124 \tl_new:N \l__gotham_tmpa_tl
3125 }
3126 \tl_if_exist:NTF \l__gotham_tmpp_tl
3127 {}{
3128 % token list B
3129 \tl_new:N \l__gotham_tmpp_tl
3130 }
```

(End of definition for \l__gotham_tmpa_seq, \l__gotham_tmpa_tl, and \l__gotham_tmpp_tl.)

_gotham_set_prop_template:nn

#1 : element name (from beamer doc) in other word, the name the template category
#2 : predefined option (from beamer doc)

Function that store in a map the name a template use later. The following naming convention is used: Template/What/Who Name: watermark/gotham draft. The means for example that if a beamer template is defined using `\defbeamertemplate{background}{watermark/gotham}` then the function has to be call using `_gotham_set_prop_template{background/watermark}{gotham}` that will filled internally the map using the l3 command `\prop_put:Nnn _gotham_template_name_prop`. If the template name given as input does not exist, an error is raised.

The following test files are used for this code: gotham-test-044.

```
3131 \cs_if_exist:NTF \\_gotham_set_prop_template:nn {}{
3132 % if it doesn't exist, then create it.
3133 \cs_new_protected:Nn \\_gotham_set_prop_template:nn
3134 {
3135 % Check if the first argument contains a /
3136 \tl_if_in:nnTF { #1 } { / }
3137 {
3138 % Split the first around the /
3139 \seq_set_split:Nnn \\_gotham_tmpa_seq { / } { #1 }
3140 \tl_set:Nn \\_gotham_tmpa_tl { \seq_item:Nn \\_gotham_tmpa_seq { 1 } }
3141 \tl_set:Nn \\_gotham_tmpb_tl { \seq_item:Nn \\_gotham_tmpa_seq { 2 } }
3142 % Check if template exist
3143 \cs_if_exist:cTF {beamer@ttmpop@\exp_not:V \\_gotham_tmpa_tl @\exp_not:V \\_gotham_tmpb_tl}
3144 % set the value in the map, so it can be called later.
3145 \prop_put:Nnn \\_gotham_template_name_prop {#1} {#2}
3146 % \setbeamertemplate{#1}[#2]
3147 }{
3148 \PackageError{beamerthemegotham}
3149 {The-beamer-template-named-'\\_gotham_tmpa_tl'-with-the-option-'\\_gotham_tmpb_tl/#2'-
3150 {helping-message}
3151 }
3152 }{% false -> error
3153 \PackageError{beamerthemegotham}
3154 {
3155 When-using-'\\c_backslash_str\cs_to_str:N \\_gotham_set_prop_template'-the-first-argument
3156 As-example:~if~'\c_backslash_str defbeamertemplate{background}{watermark/gotham-draft}'
3157 }{helping-message}
3158 }
3159 }
3160 }
```

`__gotham_add_beamerframe_key:n`

#1 : Name of the option to add, this name should also correspond to the name of the environment followed by the suffix 'env'.

Function to add an option of a frame using an environment. For example, if the name 'optionA' is the argument given to the function, an frame option named 'optionA' will be added, and this option will surround the frame with the environment named 'optionAenv'. So, the environment 'optionA' must have been declared before.

The following test files are used for this code: gotham-test-038.

```
3161 \seq_if_exist:NTF \l__gotham_frameoption_tmp_seq {}{
3162   % Define the sequence of frameoptions environments to close
3163   \seq_new:N \l__gotham_frameoption_tmp_seq
3164 }
3165
3166 \cs_if_exist:NTF \__gotham_add_beamerframe_key:n {}{
3167   % if it doesn't exist, then create it.
3168
3169   % Define the command to add frameoptions
3170   \cs_new_protected:Nn \__gotham_add_beamerframe_key:n {
3171     \define@key{beamerframe}{#1}[true]{
3172       \begin{#1env}
3173       \seq_put_left:Nn \l__gotham_frameoption_tmp_seq { \end{#1env} }
3174     }
3175   }
3176
3177   % At the end of frames close the opened environments.
3178   \apptocmd{\beamer@reseteecodes}{
3179     % Join elements in the queue without separator then output the result
3180     \seq_use:Nn \l__gotham_frameoption_tmp_seq {}
3181     % clear working queue
3182     \seq_clear:N \l__gotham_frameoption_tmp_seq
3183   }{}{}
3184 }
```

`_gotham_set_template:nn`

#1 : element name (from beamer doc) in other word, the name the template category
#2 : predefined option (from beamer doc)

Function to set a beamertemplate with an option if it exists, otherwise an error is raised. Unfortunately, (as far as I know) it not possible to test if the element name exists independently from the predefined option.

The following test files are used for this code: gotham-test-038.

```
3185 \cs_if_exist:NTF \_gotham_set_template:nn {}{
3186 % If it doesn't exist, then create it.
3187
3188 % Define the command to set template if it exists.
3189 \cs_new_protected:Nn \_gotham_set_template:nn
3190 {
3191 \cs_if_exist:cTF {beamer@tmpop@#1@#2} {
3192 \setbeamertemplate{#1}[#2]
3193 }{
3194 \PackageError{beamerinnerthemegotham}
3195 {The~beamer~template~named~'#1'~with~the~option~'#2'~does~not~exist}
3196 {helping~message~unknown~setbeamertemplate~option}
3197 }
3198 }
3199 }
```

Sidebars

`\sidebarRightHOffset` lengths between borders (right and left) and the commands (`\gothamRightFiligrane`
`\sidebarLeftHOffset` and `\gothamLeftFiligrane`) used inside `\setbeamertemplate{sidebar~canvas~right}` [default/`got.`
(left respectively).

The following test files are used for this code: gotham-test-044.

```
3200 % sidebar lengths
3201 \newlength{\sidebarRightHOffset}
3202 \setlength{\sidebarRightHOffset}{-2.5ex}
3203 \newlength{\sidebarLeftHOffset}
3204 \setlength{\sidebarLeftHOffset}{+0.5ex}
```

(End of definition for `\sidebarRightHOffset` and `\sidebarLeftHOffset`. These variables are documented on page 31.)

`\gothamRightFiligrane` Commands used internally by `\setbeamertemplate{sidebar~canvas~right}` [default/`gotham~filigrane`
`\gothamLeftFiligrane` (left respectively), that are empty by default. But these commands can be simply rede-

fined to custom watermarks (filigrane) in sidebars.

The following test files are used for this code: gotham-test-044.

```
3205 % Command to add filigrane/edging in sidebar
3206 \newcommand{\gothamRightFiligrane}{
3207 % left empty intentionally
3208 % \rotatebox{90}{gotham right filigrane pattern}
3209
3210 }
3211 \newcommand{\gothamLeftFiligrane}{
3212 % left empty intentionally
3213 % \rotatebox{-90}{\hspace*{5em} gotham left filigrane pattern}
3214 }
```

(End of definition for \gothamRightFiligrane and \gothamLeftFiligrane. These functions are documented on page 31.)

```
\defbeamertemplate{sidebar~canvas~right}{}
\defbeamertemplate{sidebar~canvas~left}{}
Definitions of \defbeamertemplate{sidebar~canvas~right} (respectively \defbeamertemplate{sidebar~canvas~left}) that are used by gotham by default.
```

The following test files are used for this code: gotham-test-044.

```
3215 \defbeamertemplate{sidebar~right}{default/beamer}{
3216 \vfill
3217 \llap{\insertlogo\hskip0.1cm}
3218 \vskip2pt
3219 \llap{\usebeamertemplate***{navigation~symbols}\hskip0.1cm}
3220 \vskip2pt
3221 }
3222 \defbeamertemplate{sidebar~right}{default/empty}{}
3223 \defbeamertemplate{sidebar~canvas~right}{default/empty}{}
3224 \defbeamertemplate{sidebar~canvas~right}{default/gotham~filigrane}{
3225 % pull to the left otherwise, the filigrane is outside of the frame.
3226 \hspace*{\sidebarRightHOffset}
3227 \gothamRightFiligrane
3228 }
3229 \defbeamertemplate{sidebar~left}{default/empty}{}
3230 \defbeamertemplate{sidebar~canvas~left}{default/empty}{}
3231 \defbeamertemplate{sidebar~canvas~left}{default/gotham~filigrane}{
3232 \hspace*{\sidebarLeftHOffset}
3233 \gothamLeftFiligrane
3234 }
3235 % Add the template to the prop (dictionary) of background template to use according to the s
3236 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~left/default} {gotham~filigrane}
```



```

3237 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~right/default} {gotham-filigra
3238 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~left/default} {empty}
3239 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~right/default} {beamer}

```

(End of definition for `\defbeamertemplate{sidebar~canvas~right}{}` and `\defbeamertemplate{sidebar~canvas~left}{}`.
These functions are documented on page ??.)

`\l_gotham_defaultEdging` Boolean variable to display the edging by default (or not).

The following test files are used for this code: *gotham-test-044*.

```

3240 \bool_new:N \l_gotham_defaultEdging
3241 \bool_set_false:N \l_gotham_defaultEdging
3242 % At every new frame, reset the options to default (unless some options/keys are given)
3243 \BeforeBeginEnvironment{frame}{
3244 \bool_if:NTF \l_gotham_defaultEdging {
3245 \setbeamertemplate{sidebar~canvas~left}[default/\prop_item:Nn \l__gotham_template_name_pro
3246 \setbeamertemplate{sidebar~canvas~right}[default/\prop_item:Nn \l__gotham_template_name_pr
3247 }{
3248 % false
3249 \setbeamertemplate{sidebar~canvas~left}[default/empty]
3250 \setbeamertemplate{sidebar~canvas~right}[default/empty]
3251 }
3252 }

```

(End of definition for `\l_gotham_defaultEdging`. This function is documented on page 31.)

`]\begin{frame}[edging]` Add a frame option `edging` to display an empty sidebar canvas canvas. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: *gotham-test-044*.

```

3253 % bool to trigger the add of edging in sidebar canvas
3254 \newenvironment{edgingenv}{
3255 \setbeamertemplate{sidebar~canvas~left}[
3256 default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~left/default}
3257 ]
3258 \setbeamertemplate{sidebar~canvas~right}[
3259 default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~right/default}
3260 ]
3261 }{}
3262 \__gotham_add_beamerframe_key:n {edging}

```

(End of definition for `]\begin{frame}[edging]`. This function is documented on page 31.)

`]\begin{frame}[noedging]` Add a frame option `noedging` to do not display an empty sidebar canvas canvas. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-044`.

```

3263 % bool to trigger the add of noedging in sidebar canvas
3264 \newenvironment{noedgingenv}{
3265   \setbeamertemplate{sidebar~canvas~left}[default/empty]
3266   \setbeamertemplate{sidebar~canvas~right}[default/empty]
3267 }{}
3268 \__gotham_add_beamerframe_key:n {noedging}

```

(End of definition for `]\begin{frame}[noedging]`. This function is documented on page 31.)

`outer_key_~_interface` Controls the outer settings for sidebar canvas right and sidebar canvas left.

The following test files are used for this code: `gotham-test-044`.

```

3269 \keys_define:nn { gotham / outer }
3270 {
3271   % sidebar~canvas~right template
3272   sidebar~canvas~right~template .usage:n = { general },
3273   sidebar~canvas~right~template .default:n = { gotham-filigrane },
3274   sidebar~canvas~right~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~right}
3275 }
3276 \keys_define:nn { gotham / outer }
3277 {
3278   % sidebar~canvas~left template
3279   sidebar~canvas~left~template .usage:n = { general },
3280   sidebar~canvas~left~template .default:n = { gotham-filigrane },
3281   sidebar~canvas~left~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~left}
3282 }
3283 \keys_define:nn { gotham / outer }{
3284   % edging default
3285   edging~default .choice:,
3286   edging~default .usage:n = { general },
3287   edging~default .default:n = { false },
3288
3289   edging~default / true .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3290   edging~default / on .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3291   edging~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3292
3293   edging~default / false .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3294   edging~default / off .code:n = { \bool_set_false:N \l_gotham_defaultEdging },

```

```

3295 edging~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3296
3297 edging~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'~is~unknown
3298 }

```

(End of definition for outer key - interface. This function is documented on page ??.)

Navigation & Logo

`\defbeamertemplate*{navigation~symbols}{empty}` Apply the empty navigation symbol template by default.

The following test files are used for this code: gotham-test-045.

```

3299 \defbeamertemplate*{navigation~symbols}{empty}{}

```

(End of definition for \defbeamertemplate{navigation~symbols}{empty}. This function is documented on page ??.)*

`\setbeamertemplate{navigation~symbols}{horizontal}` From Beamer default theme.

The following test files are used for this code: gotham-test-045.

```

3300 % \setbeamertemplate{navigation~symbols}[vertical]
3301 % \setbeamertemplate{navigation~symbols}[only~frame~symbol]
3302 % \setbeamertemplate{navigation~symbols}[default]% = horizontal
3303 % \defbeamertemplate{navigation~symbols}{horizontal}{
3304 %   \usebeamercolor[fg]{navigation~symbols}
3305 %   \insertslidenavigationsymbol
3306 %   \insertframenavigationsymbol
3307 %   \insertsubsectionnavigationsymbol
3308 %   \insertsectionnavigationsymbol
3309 %   \insertdocnavigationsymbol
3310 %   \insertbackfindforwardnavigationsymbol
3311 % }

```

(End of definition for \defbeamertemplate{navigation~symbols}{horizontal}. This function is documented on page ??.)

`\defbeamertemplate{logo}{empty}` Template used sometimes to have no logo on specific frames.

The following test files are used for this code: gotham-test-045.

```

3312 \defbeamertemplate{logo}{empty}{}

```

(End of definition for \defbeamertemplate{logo}{empty}. This function is documented on page ??.)

`]\begin{frame}[nologo]` Add a frame option `nologo`, if you do not want your logo to be displayed. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: `gotham-test-045`.

```
3313 % bool to trigger the add of nologo action on frame.
3314 \newenvironment{nologoenv}{
3315   \setbeamertemplate{logo}[empty]
3316 }{}
3317 \__gotham_add_beamerframe_key:n {nologo}
```

(End of definition for `]\begin{frame}[nologo]`. This function is documented on page 32.)

Headline & Frametitle

Headline

`defbeamertemplate{headline}{default/gotham}` The headline template is empty by default by can be changed when using progress bar or the current section.

The following test files are used for this code: `gotham-test-046`, `gotham-test-046b`, `gotham-test-047`.

```
3318 \defbeamertemplate{headline}{default/gotham}{}
3319 \prop_put:Nnn \l__gotham_template_name_prop {headline/default} {gotham}
```

(End of definition for `defbeamertemplate{headline}{default/gotham}`. This function is documented on page ??.)

`rtemplate{headline}{default/gotham-section}` The headline template used to print the current section name and subsection. This template is used with `circlehead` progress bar

The following test files are used for this code: `gotham-test-046`, `gotham-test-046b`, `gotham-test-047`.

```
3320 \defbeamertemplate{headline}{default/gotham-section}{
3321   \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
3322     \usebeamerfont{section-in-head/foot}\hspace*{3.5ex}
3323     \usebeamertemplate{section-in-head/foot}
3324   \end{beamercolorbox}
3325 }
```

(End of definition for `defbeamertemplate{headline}{default/gotham-section}`. This function is documented on page ??.)

Frametitle

`\gotham@frametitle@toppadding` Dimensions of lengths used in the frametitle: top, bottom, left and right padding. All of them are equal to 2.2ex by default.

```

\gotham@frametitle@bottompadding
\gotham@frametitle@leftpadding
\gotham@frametitle@rightpadding
3326 \newlength{\gotham@frametitle@toppadding}
3327 \setlength{\gotham@frametitle@toppadding}{2.2ex}
3328 \newlength{\gotham@frametitle@bottompadding}
3329 \setlength{\gotham@frametitle@bottompadding}{2.2ex}
3330 \newlength{\gotham@frametitle@leftpadding}
3331 \setlength{\gotham@frametitle@leftpadding}{2.2ex}
3332 \newlength{\gotham@frametitle@rightpadding}
3333 \setlength{\gotham@frametitle@rightpadding}{2.2ex}
3334 % \gotham@strut from inner
3335 \providecommand{\gotham@strut}{
3336 \vphantom{ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz (/)}
3337 }

```

(End of definition for \gotham@frametitle@toppadding and others. These variables are documented on page 32.)

`\gotham@frametitlestrut@start` Commands used to control the space over and under the title in frametitle.
`\gotham@frametitlestrut@end`

The following test files are used for this code: gotham-test-046, gotham-test-046b, gotham-test-047.

```

3338 \newcommand{\gotham@frametitlestrut@start}{
3339 \rule{0pt}{\gotham@frametitle@toppadding +
3340 \totalheightof{
3341 \ifcsdef{gotham@frametitleformat}{\gotham@frametitleformat{X}}{X}
3342 }
3343 }
3344 }
3345 \newcommand{\gotham@frametitlestrut@end}{
3346 \rule[-\gotham@frametitle@bottompadding]{0pt}{\gotham@frametitle@bottompadding}
3347 }

```

(End of definition for \gotham@frametitlestrut@start and \gotham@frametitlestrut@end. These functions are documented on page ??.)

```
\gothamInstituteLogoSquare[height]□\defbeamertemplate{includeLogo}{default/gotham~square} \gothamInstituteLogoSquare
[⟨height⟩]
```

Command to include the desired logo and a template used to add it to the frametitle. For example you can do `\renewcommand{\gothamInstituteLogoSquare}[1][4ex]{\includegraphics[he`

The following test files are used for this code: gotham-test-046, gotham-test-047.

```
3348 \newcommand{\gothamInstituteLogoSquare}[1][4ex]{
3349   %\includegraphics[height=#1]{gotham-logo.pdf}
3350 }
3351 \defbeamertemplate{includeLogo}{default/gotham~square}{
3352   \gothamInstituteLogoSquare
3353 }
3354 \prop_put:Nnn \l__gotham_template_name_prop {includeLogo/default} {gotham~square}
```

```
template{includeLogo}{default/gotham~circle} Template used in frametitle when the option progress bar= circlehead is activated.
```

The following test files are used for this code: gotham-test-046b.

```
3355 \defbeamertemplate{includeLogo}{default/gotham~circle}{
3356   \gothamProgressCircle
3357 }
```

(End of definition for \defbeamertemplate{includeLogo}{default/gotham~circle}. This function is documented on page ??.)

```
template{includeLogo}{default/gotham~circle} Template to make sure the logo will remain centered and to do not change the height of the line when included. This template is used to include logo in frametitle.
```

The following test files are used for this code: gotham-test-046b.

```
3358 \defbeamertemplate{instituteLogo}{default/gotham}{
3359   % \raisebox{lift}[height][depth]{text}
3360   \raisebox{0pt}[0pt][0pt]{
3361     \raisebox{.5\fontcharht\font‘E-0.5\height}{
3362       % \setbeamertemplate{}[]
3363       \setbeamertemplate{includeLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {incl
3364       \usebeamertemplate{includeLogo}
3365     }
3366   }
3367 }
3368 \prop_put:Nnn \l__gotham_template_name_prop {instituteLogo/default} {gotham}
```

(End of definition for \defbeamertemplate{includeLogo}{default/gotham~circle}. This function is documented on page ??.)

`\gothamFrameSubtitleSep` Hyphen used as separator between title of the frame and its subtitle (within frametitle template).

The following test files are used for this code: gotham-test-047.

```
3369 \newcommand{\gothamFrameSubtitleSep}{
3370 % \[-.42em] % if newline (as default Beamer)
3371 % or if same line with a -- separator.
3372 \ ----
3373 }
```

`\gothamFramesubtitleStrutend` Length used in vspace at the end of framesubtitle.

```
3374 \newlength{\gothamFramesubtitleStrutend}
3375 \setlength{\gothamFramesubtitleStrutend}{0pt}
3376 % \setlength{\gothamFramesubtitleStrutend}{-1.25ex} %% When \newcommand{\gothamFrameSubtitle
```

(End of definition for \gothamFramesubtitleStrutend. This variable is documented on page 33.)

`ate{frametitle}{default/gotham-subsameline}` Template for frametitle include subtitle on the same line and a logo a flushed left.

The following test files are used for this code: gotham-test-047.

```
3377 \defbeamertemplate{frametitle}{default/gotham-subsameline}{
3378 \nointerlineskip
3379 \begin{beamercolorbox}[
3380 wd=\paperwidth,
3381 sep=0pt,
3382 leftskip=\gotham@frametitle@leftpadding,
3383 rightskip=\gotham@frametitle@rightpadding,
3384 ]{frametitle}
3385 \gotham@frametitlestrut@start
3386 \insertframetitle
3387 \ifx\insertframesubtitle\@empty
3388 %% if subtitle to the frame is empty
3389 \else
3390 %% if not empty: add subtitle
3391 {\usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\gothamFrameSubtitleSep \
3392 \vspace*{\gothamFramesubtitleStrutend}
3393 \fi
3394 \nolinebreak
3395 %% Add logo
3396 \hfill{
3397 \setbeamertemplate{instituteLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {in
```

```

3398   \usebeamertemplate{instituteLogo}
3399   }
3400   \gotham@frametitlestrut@end
3401   \end{beamercolorbox}
3402 }
3403 \prop_put:Nnn \l__gotham_template_name_prop {frametitle/default} {gotham~subsameline}

```

(End of definition for `\defbeamertemplate{frametitle}{default/gotham~subsameline}`. This function is documented on page ??.)

`e{framesubtitle}{default/gotham~subnewline}` Template for framesubtitle include subtitle on the same line and a logo a flushed left.

The following test files are used for this code: *gotham-test-047*.

```

3404 \dim_new:N \l__gotham_framesubtitle_subnewline_strutend_dim
3405 \defbeamertemplate{framesubtitle}{default/gotham~subnewline}{
3406   \nointerlineskip
3407   \begin{beamercolorbox}[
3408     wd=\paperwidth,
3409     sep=0pt,
3410     leftskip=\gotham@frametitle@leftpadding,
3411     rightskip=\gotham@frametitle@rightpadding,
3412   ]{frametitle}
3413   % put the subtitle in a raisebox to have no influence on the result.
3414   \raisebox{0pt}[0pt][0pt]{
3415     \raisebox{-0.3ex}{
3416       { \usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\insertframesubtitle}
3417     }
3418   }
3419   % add 1ex to take into account the subtitle height.
3420   \dim_set:Nn \l__gotham_framesubtitle_subnewline_strutend_dim {1.ex+\gothamFramesubtitleStr
3421   \vspace{\l__gotham_framesubtitle_subnewline_strutend_dim}
3422   \end{beamercolorbox}
3423 }
3424 \prop_put:Nnn \l__gotham_template_name_prop {framesubtitle/default} {gotham~subnewline}

```

(End of definition for `\defbeamertemplate{framesubtitle}{default/gotham~subnewline}`. This function is documented on page ??.)

`e{framesubtitle}{default/gotham~subnewline}` Template for frametitle and a logo a flushed left then the subtitle on a new line.

The following test files are used for this code: *gotham-test-047*.

```

3425 \defbeamertemplate{frametitle}{default/gotham~subnewline}{
3426   \nointerlineskip
3427   \begin{beamercolorbox}[

```



```

3428 wd=\paperwidth,
3429 sep=0pt,
3430 leftskip=\gotham@frametitle@leftpadding,
3431 rightskip=\gotham@frametitle@rightpadding,
3432 ]{frametitle}
3433 \gotham@frametitlestrut@start
3434 \insertframetitle
3435 \nolinebreak
3436 \hfill{
3437   \setbeamertemplate{instituteLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {instituteLogo}]
3438   \usebeamertemplate{instituteLogo}
3439 }
3440 \gotham@frametitlestrut@end
3441 \end{beamercolorbox}
3442 %% End of the frametitle box, start then use the subtitle template if needed.
3443 \ifx\insertframesubtitle\@empty
3444   %% if subtitle to the frame is not empty
3445 \else
3446   % reduce vertical space to have a 1pt overlap, so no white line appears with vectorial view
3447   \vspace*{-1pt}
3448   % add the subtitle
3449   \setbeamertemplate{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {framesubtitle}]
3450   % \setbeamertemplate{framesubtitle}%[framesubtitle/default]
3451   \usebeamertemplate{framesubtitle}
3452 \fi
3453 }

```

(End of definition for `\defbeamertemplate{framesubtitle}{default/gotham-subnewline}`. This function is documented on page ??.)

`outer_key_{}_interface` Controls the outer settings for frametitle and framesubtitle.

The following test files are used for this code: `gotham-test-047`.

```

3454 \keys_define:nn { gotham / outer }{
3455   % frametitle template
3456   frametitle~template .usage:n = { general },
3457   frametitle~template .default:n = { gotham~subsameline },
3458   frametitle~template .code:n = {
3459     \__gotham_set_prop_template:nn{frametitle/default}{#1}
3460     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {frametitle}]
3461   }
3462 }
3463 \keys_define:nn { gotham / outer }{
3464   % frametitle template

```

```

3465 framesubtitle~template .usage:n = { general },
3466 framesubtitle~template .default:n = { gotham~subnewline },
3467 framesubtitle~template .code:n = {
3468   \__gotham_set_prop_template:nn{framesubtitle/default}{#1}
3469   \setbeamertemplate{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fra
3470 }
3471 }

```

(End of definition for outer key - interface. This function is documented on page ??.)

Continuation

`\defbeamerfont{framesubtitle-continuation}{default/beamer}` Template for numerotation of frametitle when a frame are continuing on several pages (allowed with the beamer option `allowframebreaks`). Beamer theme (by default) is using roman number with uppercase.

The following test files are used for this code: *gotham-test-047*.

```

3472 \defbeamerfont{framesubtitle-continuation}{default/beamer}{
3473   \usebeamerfont{framesubtitle}
3474   {
3475     \MakeUppercase{\romannumeral \insertcontinuationcount}
3476   }
3477 }

```

(End of definition for `\defbeamerfont{framesubtitle-continuation}{default/beamer}`. This function is documented on page ??.)

`\defbeamerfont{framesubtitle-continuation}{default/tot}` Template for numerotation of frametitle when a frame are continuing on several pages (allowed with the beamer option `allowframebreaks`). This template is using arabic number slash over the total number of page for this frame.

The following test files are used for this code: *gotham-test-047*.

```

3478 \defbeamerfont{framesubtitle-continuation}{default/tot}{
3479   \usebeamerfont{framesubtitle}
3480   {
3481     \textmd{%
3482       [\insertcontinuationcount
3483       \,/\,%
3484       \the\numexpr\beamer@endpageofframe+1-\beamer@startpageofframe
3485       ]%
3486     }%
3487   }
3488 }

```

(End of definition for `\defbeamertemplate{frametitle-continuation}{default/tot}`. This function is documented on page ??.)

`te{frametitle-continuation}{default/gotham}` Template for numerotation of frametitle when a frame are continuing on several pages (allowed with the beamer option `allowframebreaks`). Gotham theme (by default) is using roman number with lowercase.

The following test files are used for this code: `gotham-test-047`.

```
3489 \defbeamertemplate{frametitle-continuation}{default/gotham}{
3490   \usebeamerfont{frametitle}
3491   {
3492     %\small
3493     (\romannumeral \insertcontinuationcount)
3494   }
3495 }
3496 \prop_put:Nnn \l__gotham_template_name_prop {frametitle-continuation/default} {gotham}
```

(End of definition for `\defbeamertemplate{frametitle-continuation}{default/gotham}`. This function is documented on page ??.)

`outer_key_ -_interface` Controls the outer settings for frametitle continuation.

The following test files are used for this code: `gotham-test-047`.

```
3497 \keys_define:nn { gotham / outer }{
3498   % frametitle template
3499   frametitle-continuation-template .usage:n = { general },
3500   frametitle-continuation-template .default:n = { gotham },
3501   frametitle-continuation-template .code:n = {
3502     \__gotham_set_prop_template:nn{frametitle-continuation/default}{#1}
3503     \setbeamertemplate{frametitle-continuation}[default/\prop_item:Nn \l__gotham_template_name
3504   }
3505 }
```

(End of definition for `outer key - interface`. This function is documented on page ??.)

Footer & Footline

Footline

`\defbeamertemplate{footline}{empty}` Empty footline template used when the option `nofootline` is given.

The following test files are used for this code: `gotham-test-048`.

```
3506 \defbeamertemplate{footline}{empty}{}
```

(End of definition for `\defbeamertemplate{footline}{empty}`. This function is documented on page ??.)

`]\begin{frame}[nofootline]` Add a frame option `nofootline` to do not display an empty footline. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: *gotham-test-048*.

```
3507 % bool to trigger the add of nofootline in frame.
3508 \newenvironment{nofootlineenv}{
3509   \setbeamertemplate{footline}[empty]
3510 }{}
3511 \__gotham_add_beamerframe_key:n {nofootline}
```

(End of definition for `\begin{frame}[nofootline]`. This function is documented on page 33.)

`\gothamFootlineOffset` Lengths used in footline template.

`\gothamFootlineHeight`

`\gothamFootlineDepth`

```
3512 % Footline lengths
3513 % space between to bottom of the text (or the footnote) and the footline
3514 \newlength{\gothamFootlineOffset}
3515 \setlength{\gothamFootlineOffset}{-0.5ex}
3516
3517 \newlength{\gothamFootlineHeight}
3518 \setlength{\gothamFootlineHeight}{1.5ex}
3519 \newlength{\gothamFootlineDepth}
3520 \setlength{\gothamFootlineDepth}{0.1ex}
```

(End of definition for `\gothamFootlineOffset`, `\gothamFootlineHeight`, and `\gothamFootlineDepth`. These variables are documented on page 33.)

`\defbeamertemplate*{footline}{default/gotham}` Template that is activate by default since this footline is relatively generic.

The following test files are used for this code: *gotham-test-048*.

```
3521 \defbeamertemplate*{footline}{default/gotham}{
3522   % new line to adjust the footline position.
3523   \vspace*{\gothamFootlineOffset}
3524   \begin{beamercolorbox}[
3525     wd=\textwidth,
3526     sep=0pt,
3527     leftskip=3ex,
3528     rightskip=3ex,
3529     ht={\gothamFootlineHeight},
3530     dp={\gothamFootlineDepth},
```

```

3531 ]{footline}
3532 \usebeamerfont{page number in head/footer}
3533 \ifbeamertemplateempty{frame~footer}{
3534   %executed if empty
3535   \hfill \ \gotham@strut
3536 }{
3537   %<executed otherwise>
3538   \usebeamertemplate*{frame~footer}
3539 }
3540 \hspace{\gothamRightFooterPadding}
3541 {\usebeamertemplate{page~number~in~head/footer}}~
3542 \end{beamercolorbox}
3543 }
3544 \prop_put:Nnn \l__gotham_template_name_prop {footline/default} {gotham}

```

(End of definition for \defbeamertemplate{footline}{default/gotham}. This function is documented on page ??.)*

Footer

`\gothamLeftFooterPadding` Lengths used in footer template for positioning left right and bottom.
`\gothamRightFooterPadding`
`\gothamFooterHOffset`

```

3545 \newlength{\gothamLeftFooterPadding}
3546 \setlength{\gothamLeftFooterPadding}{2.0ex}
3547 \newlength{\gothamRightFooterPadding}
3548 \setlength{\gothamRightFooterPadding}{3.5ex}
3549 \newlength{\gothamFooterHOffset}
3550 \setlength{\gothamFooterHOffset}{0pt}

```

(End of definition for \gothamLeftFooterPadding, \gothamRightFooterPadding, and \gothamFooterHOffset. These variables are documented on page 33.)

`\defbeamertemplate{frame~footer}{none}` Footer template used when nothing is put as footer but it will create undesired results.

The following test files are used for this code: gotham-test-048.

```

3551 \defbeamertemplate{frame~footer}{none}{}

```

(End of definition for \defbeamertemplate{frame~footer}{none}. This function is documented on page ??.)

`\defbeamertemplate{frame~footer}{empty}` Footer template used when nofooter option is given and it presevers spacing to have nice results.

The following test files are used for this code: gotham-test-048.

```

3552 \defbeamertemplate{frame~footer}{empty}{

```

```

3553 \hspace{\gothamLeftFooterPadding}
3554 \hfill \
3555 \gotham@strut
3556 % decrease space between progress bar and footer
3557 \vspace*{\gothamFooterHOffset}
3558 }

```

(End of definition for `\defbeamertemplate{frame-footer}{empty}`. This function is documented on page ??.)

`]\begin{frame}[nofooter]` Add a frame option `nofooter` to do not display an empty footer. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: *gotham-test-048*.

```

3559 % bool to trigger the add of nofooter in frame.
3560 \newenvironment{nofooterenv}{
3561 \setbeamertemplate{frame~footer}[empty]
3562 }{}
3563 \l_gotham_add_beamerframe_key:n {nofooter}

```

(End of definition for `\begin{frame}[nofooter]`. This function is documented on page 34.)

`\l_gotham_defaultRotateFooter` Boolean variable to display the rotated footer by default (or not).

The following test files are used for this code: *gotham-test-048*.

```

3564 \bool_new:N \l_gotham_defaultRotateFooter
3565 \bool_set_false:N \l_gotham_defaultRotateFooter
3566 \bool_new:N \l_gotham_RotateFooter
3567 \bool_set_false:N \l_gotham_RotateFooter
3568 % At every new frame, reset the options to default (unless some options/keys are given)
3569 \BeforeBeginEnvironment{frame}{
3570 \bool_if:NTF \l_gotham_defaultRotateFooter {
3571 \bool_set_true:N \l_gotham_RotateFooter
3572 }{% false
3573 \bool_set_false:N \l_gotham_RotateFooter
3574 }
3575 }

```

(End of definition for `\l_gotham_defaultRotateFooter`. This function is documented on page 34.)

`]\begin{frame}[rotateFooter]` Add a frame option `rotateFooter` to display a rotated footer. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: *gotham-test-048*.

```
3576 % bool to trigger
3577 % Capture new options/keys for frames
3578 \define@key{beamerframe}{rotateFooter}[true]{
3579   \bool_set_true:N \l_gotham_RotateFooter
3580 }
```

(End of definition for `\begin{frame}[rotateFooter]`. This function is documented on page 34.)

`]\begin{frame}[noRotateFooter]` Add a frame option `noRotateFooter` to display a none-rotated footer. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

The following test files are used for this code: *gotham-test-048*.

```
3581 % Capture new options/keys for frames
3582 \define@key{beamerframe}{noRotateFooter}[true]{
3583   \bool_set_false:N \l_gotham_RotateFooter
3584 }
```

(End of definition for `\begin{frame}[noRotateFooter]`. This function is documented on page 34.)

`outer_key_ -_interface` Controls the outer settings for sidebar canvas right and sidebar canvas left.

The following test files are used for this code: *gotham-test-048*.

```
3585 \keys_define:nn { gotham / outer }{
3586   % rotateFooter default
3587   rotateFooter~default .choice:,
3588   rotateFooter~default .usage:n = { general },
3589   rotateFooter~default .default:n = { false },
3590
3591   rotateFooter~default / true .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3592   rotateFooter~default / on .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3593   rotateFooter~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3594
3595   rotateFooter~default / false .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3596   rotateFooter~default / off .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3597   rotateFooter~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3598
3599   rotateFooter~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
3600 }
```

(End of definition for `outer key - interface`. This function is documented on page ??.)

`\gothamFootlineRuleLeftPadding` Lengths used in footer template.

```

\gothamFootlineRuleHeight
\gothamFootlineRuleLength
\gothamHposLeftRotFooter
\gothamHposRightRotFooter
\gothamVposLeftRotFooter
\gothamVposRightRotFooter
3601 \newlength{\gothamFootlineRuleLeftPadding}
3602 \newlength{\gothamFootlineRuleHeight}
3603 \newlength{\gothamFootlineRuleLength}
3604 \setlength{\gothamFootlineRuleLeftPadding}{7mm}
3605 \setlength{\gothamFootlineRuleHeight}{0.0pt}
3606 % \setlength{\gothamFootlineRuleHeight}{0.5pt} % This is nice also but have a cleaner default
3607 \setlength{\gothamFootlineRuleLength}{15mm}
3608
3609 \newlength{\gothamHposLeftRotFooter}
3610 \newlength{\gothamHposRightRotFooter}
3611 \newlength{\gothamVposLeftRotFooter}
3612 % horizontal position (in picture env) for the rotated footer.
3613 \newlength{\gothamVposRightRotFooter}
3614
3615 \setlength{\gothamHposLeftRotFooter}{-7pt}
3616 \setlength{\gothamHposRightRotFooter}{2pt}
3617 \setlength{\gothamVposLeftRotFooter}{15pt}
3618 \setlength{\gothamVposRightRotFooter}{15pt}

```

(End of definition for `\gothamFootlineRuleLeftPadding` and others. These variables are documented on page 34.)

`\hlenRightRotFooter` Temporary variables for the horizontal length of the rotated footer
`\hlenLeftRotFooter`

```

3619 % Not used yet because I need to have a latex3 settowidth equivalent.
3620 % I will maybe take inspiration from https://tex.stackexchange.com/questions/492367/does-exp
3621 % \dim_new:N \l__gotham_HLen_rightRotFooter_dim
3622 % \dim_new:N \l__gotham_HLen_leftRotFooter_dim
3623 \newlength{\hlenRightRotFooter}
3624 \newlength{\hlenLeftRotFooter}

```

(End of definition for `\hlenRightRotFooter` and `\hlenLeftRotFooter`. These variables are documented on page ??.)

`\beamertemplate{frame~footer}{default/gotham}` Template for frame footer used by gotham, allowing a rotated footer.

The following test files are used for this code: `gotham-test-048`.

```

3625 \defbeamertemplate{frame~footer}{default/gotham}{
3626 % add a ruler but without affecting the dimensions of the footline
3627 \vbox to 0pt{
3628 % Vertical stretch to ensure proper spacing
3629 \vss
3630 \hbox to 0pt{

```



```

3631 \hspace*{\gothamFootlineRuleLeftPadding}
3632 \usebeamercolor{frametitle}
3633 \color{frametitle.bg}
3634 \rule{\gothamFootlineRuleLength}{\gothamFootlineRuleHeight}
3635 \vspace*{
3636   \dimexpr \gothamFootlineHeight -0.25em\relax
3637 }
3638 % Horizontal stretch to ensure proper spacing
3639 \hss
3640 }
3641 }
3642 \hspace{\gothamLeftFooterPadding}
3643 \settowidth{\hlenLeftRotFooter}{\hspace{-\gothamLeftFooterPadding}}
3644 \addtolength{\hlenLeftRotFooter}{\gothamHposLeftRotFooter}
3645 % \ifbool{rotateFooter}{
3646 \bool_if:NTF \l_gotham_RotateFooter {
3647   % rotateFooter true
3648   \begin{picture}(0,0)(0,0)
3649     \put(\hlenLeftRotFooter,\gothamVposLeftRotFooter){\rotatebox{90}{\insertshortdate}}
3650   \end{picture}
3651 }{
3652   % rotateFooter false
3653   \insertshortdate
3654 }
3655 \hfill \
3656 \hfill \ \insertshorttitle
3657 % make sure that the vertical space is constant: strut.
3658 \gotham@strut
3659 \hfill \
3660 \hfill \
3661 % \ifbool{rotateFooter}{
3662 \bool_if:NTF \l_gotham_RotateFooter {
3663   % rotateFooter true
3664   \settowidth{\hlenRightRotFooter}{\hspace{\gothamRightFooterPadding}\usebeamertemplate{page}
3665   \addtolength{\hlenRightRotFooter}{\gothamHposRightRotFooter}
3666   \begin{picture}(0,0)(0,0)
3667     \put(\hlenRightRotFooter,\gothamVposRightRotFooter){\rotatebox{90}{\insertshortauthor}}
3668   \end{picture}
3669 }{
3670   % rotateFooter false
3671   \insertshortauthor
3672   %\hspace{-7em}
3673 }

```

```

3674 % decrease space between progress bar and footer
3675 \vspace*{\gothamFooterHOffset}
3676 }
3677 \prop_put:Nnn \l__gotham_template_name_prop {frame~footer/default} {gotham}

```

(End of definition for `\defbeamertemplate{frame~footer}{default/gotham}`. This function is documented on page ??.)

`outer_key_{}_interface` Controls the outer settings for footer template.

The following test files are used for this code: `gotham-test-048`.

```

3678 \keys_define:nn { gotham / outer }{
3679 % footer template
3680 footer~template .usage:n = { general },
3681 footer~template .default:n = { gotham },
3682 footer~template .code:n = {
3683   \__gotham_set_prop_template:nn{frame~footer/default}#{#1}
3684   \setbeamertemplate{frame~footer}[
3685     default/\prop_item:Nn \l__gotham_template_name_prop {frame~footer/default}
3686   ]
3687 }
3688 }

```

(End of definition for `outer key - interface`. This function is documented on page ??.)

Numbering

`\inserttotalframenumber` We defined the number of total frame, if not defined or equal to 0 because of the first compilation, we set it to avoid arithmetical errors

The following test files are used for this code: `gotham-test-046`.

```

3689 %
3690 \def\inserttotalframenumber{100}

```

(End of definition for `\inserttotalframenumber`. This function is documented on page ??.)

`meremplate{page-number-in-head/foot}{none}` Template to do not numbering the current frame.

The following test files are used for this code: `gotham-test-048`.

```

3691 \defbeamertemplate{page-number~in-head/foot}{none}{ }

```

(End of definition for `\defbeamertemplate{page-number-in-head/foot}{none}`. This function is documented on page ??.)

`\gothamCircleNumberingVshift` Length used in raisebox and hspace in circle frame numbering.

`\gothamCircleNumberingHshift`

```
3692 \newlength{\gothamCircleNumberingVshift}
3693 \setlength{\gothamCircleNumberingVshift}{1.4mm}
3694 \newlength{\gothamCircleNumberingHshift}
3695 \setlength{\gothamCircleNumberingHshift}{2.6mm}
```

(End of definition for `\gothamCircleNumberingVshift` and `\gothamCircleNumberingHshift`. These variables are documented on page 35.)

`\beamertemplate{page-number-in-head/foot}{circle}` Template to add, in a circle, the number of the current frame over (slash) the total number of frames.

The following test files are used for this code: *gotham-test-048*.

```
3696 \defbeamertemplate{page-number~in-head/foot}{circle}{
3697 % horizontal space between the circle and the right part of the footer (email).
3698 \hspace{+2em}
3699 % \raisebox{lift}[height][depth]{text} => lift here = vertical space between the bottom of
3700 \raisebox{\gothamCircleNumberingVshift}[0pt][0pt]{
3701 \begin{tikzpicture}[remember~picture, overlay]
3702 \coordinate (circleCenter);
3703
3704 \usebeamercolor{frametitle}
3705
3706 \draw[fill, color=frametitle.bg] (circleCenter) circle (6mm);
3707 \draw[fill, color=frametitle.fg] (circleCenter) circle (5mm);
3708 \node[color=frametitle.bg] at (circleCenter)
3709 {\small$\sim\{\insertframenum\}\negmedspace/\negthinspace\sb{\inserttotalframenum}\$}
3710 ;
3711 \end{tikzpicture}
3712 % horizontal space between the right border of the page and the center of the circle.
3713 \hspace{\gothamCircleNumberingHshift}
3714 }
3715 }
```

(End of definition for `\defbeamertemplate{page-number~in-head/foot}{circle}`. This function is documented on page ??.)

`\outer_key_{}_interface` Controls the outer settings for frame numbering.

The following test files are used for this code: *gotham-test-048*.

```
3716 \keys_define:nn { gotham / outer }{
3717 % numbering
3718 numbering .choice:,
```

```

3719 numbering .usage:n = { general },
3720 numbering .default:n = { none },
3721
3722 % \__gotham_set_template:nn{title-page}{#1}
3723 numbering / none .code:n = { \setbeamertemplate{page-number-in-head/foot}[none] },
3724 numbering / framenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[framenummer] },
3725 numbering / totalframenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[totalframenummer] },
3726 numbering / appendixframenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[appendixframenummer] },
3727 numbering / pagenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[pagenummer] },
3728 numbering / totalpagenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[totalpagenummer] },
3729 numbering / circle .code:n = { \setbeamertemplate{page-number-in-head/foot}[circle] },
3730
3731 numbering / unknown .code:n = { \PackageWarning{ gotham } { The choice '#1' is unknown for }
3732 }

```

(End of definition for outer key - interface. This function is documented on page ??.)

MiniFrames & Progress bar

MiniFrames

Template control how the section appears by default when sections are add to the headline or footline.

The following test files are used for this code: *gotham-test-048*.

```

3733 \defbeamertemplate{section-in-head/foot}{default/beamer}{
3734 \insertsectionhead
3735 }
3736 \defbeamertemplate{section-in-head/foot-shaded}{default/beamer}{
3737 \color{fg!50!bg}\usebeamertemplate{section-in-head/foot}
3738 }
3739
3740 % \defbeamertemplate{includeLogo}{default/gotham-square}{
3741 \prop_put:Nnn \l__gotham_template_name_prop {section-in-head/foot-shaded/default} {beamer}
3742 % \defbeamertemplate{includeLogo}{default/gotham-square}{
3743 \prop_put:Nnn \l__gotham_template_name_prop {section-in-head/foot/default} {beamer}

```

(End of definition for \defbeamertemplate{section-in-head/foot}{default/beamer}. This function is documented on page ??.)

Template for section and subsection in headline.

The following test files are used for this code: *gotham-test-048*.

```

3744 \defbeamertemplate{section-in-head/foot}{default/gotham-secSubsec}{

```

```

3745 \insertsectionhead
3746 \ifx\insertsubsection\empty\else
3747 \ifdefempty{\subsecname}{\relax}{
3748 \ \textbar\ \insertsubsectionhead
3749 }
3750 \fi
3751 }
3752 \defbeamertemplate{section~in~head/foot~shaded}{default/gotham~secSubsec}{
3753 \insertsectionhead
3754 }

```

(End of definition for `\defbeamertemplate{section~in~head/foot}{default/gotham~secSubsec}`. This function is documented on page ??.)

`\defbeamertemplate{section~in~head/foot}{default/empty}` Empty template for section in headline, compensating the height of a line.

The following test files are used for this code: *gotham-test-048*.

```

3755 \defbeamertemplate{section~in~head/foot}{default/empty}{
3756 \vspace{3.875ex}
3757 }
3758 \defbeamertemplate{section~in~head/foot~shaded}{default/empty}{
3759 \vspace{3.875ex}
3760 }

```

(End of definition for `\defbeamertemplate{section~in~head/foot}{default/empty}`. This function is documented on page ??.)

`\gotham@temp@heightFrametitle` Temporary length variables to compute the height of the frametitle and the height of the paper minus the frametitle.
`\gotham@temp@PaperheightFrametitle`

```

3761 \newlength{\gotham@temp@heightFrametitle}
3762 \newlength{\gotham@temp@PaperheightFrametitle}

```

(End of definition for `\gotham@temp@heightFrametitle` and `\gotham@temp@PaperheightFrametitle`. These variables are documented on page ??.)

`\defbeamertemplate{section~in~head/foot~left~right}{gotham~miniframes~theme}` Template to insert the navigation bar (using miniframes) that can be added to headline (or footline) left sidebar or right sidebar.

The following test files are used for this code: *gotham-test-048*.

```

3763 \defbeamertemplate*{mini~nav~progress~head/foot}{gotham~miniframes~theme}
3764 {
3765 %,ht=1.75ex,dp=2.75ex
3766 \begin{beamercolorbox}[ignorebg]{section~in~head/foot}

```

```

3767 \hfuzz=\paperwidth
3768 \insertnavigation{\paperwidth}
3769 % \dohead
3770 \vspace{0.05cm}
3771 \end{beamercolorbox}
3772 }
3773 \defbeamertemplate*{mini-nav-progress-left}{gotham-miniframes-theme}
3774 {
3775 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
3776 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle}
3777
3778 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\gotham@temp@heightFrametitle}
3779
3780 \vspace{-0.6\paperheight}
3781 \rotatebox{90}{
3782 %,ht=1.75ex,dp=2.75ex
3783 \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
3784 \hfuzz=\gotham@temp@PaperheightFrametitle
3785 \insertnavigation{\gotham@temp@PaperheightFrametitle}
3786 % \dohead
3787 % \vspace{0.05cm}
3788 \end{beamercolorbox}
3789 }
3790 }
3791 \defbeamertemplate*{mini-nav-progress-right}{gotham-miniframes-theme}
3792 {
3793 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
3794 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle}
3795
3796 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\gotham@temp@heightFrametitle}
3797
3798 \vspace{\gotham@temp@heightFrametitle}
3799 \hspace{-2.3em}
3800 \rotatebox{-90}{
3801 %,ht=1.75ex,dp=2.75ex
3802 \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
3803 \hfuzz=\gotham@temp@PaperheightFrametitle
3804 \insertnavigation{\gotham@temp@PaperheightFrametitle}
3805 % \dohead
3806 % \vspace{0.05cm}
3807 \end{beamercolorbox}
3808 }
3809 }

```

(End of definition for `\defbeamertemplate*{mini-nav-progress-head/foot left right}{gotham-miniframes-theme}`.
This function is documented on page ??.)

Select the bullets shape

`\defbeamertemplate{mini-frame}{gotham-box}` Template to add a new shape for miniframes gotham box.

The following test files are used for this code: *gotham-test-048*.

```
3810 \defbeamertemplate{mini-frame}{gotham-box}
3811 {
3812   \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
3813     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}
3814     \pgfusepath{fill,stroke}
3815   \end{pgfpicture}
3816 }[action]{
3817   \setbeamersize{mini-frame-size=.14cm, mini-frame-offset=.05cm}
3818 }
3819 %
3820 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-box}
3821 {
3822   \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
3823     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}
3824     \pgfusepath{stroke}
3825   \end{pgfpicture}
3826 }
```

(End of definition for `\defbeamertemplate{mini-frame}{gotham-box}`. This function is documented on page ??.)

`\defbeamertemplate{mini-frame}{gotham-minibox}` Template to add a new shape for miniframes gotham minibox.

The following test files are used for this code: *gotham-test-048*.

```
3827 \defbeamertemplate{mini-frame}{gotham-minibox}
3828 {
3829   \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}
3830     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}
3831     \pgfusepath{fill,stroke}
3832   \end{pgfpicture}
3833 }[action]{
3834   \setbeamersize{mini-frame-size=.08cm, mini-frame-offset=.05cm}
3835 }
3836 %
3837 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-minibox}
3838 {
```

```

3839 \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}
3840 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}
3841 \pgfusepath{stroke}
3842 \end{pgfpicture}
3843 }

```

(End of definition for `\defbeamertemplate{mini-frame}{gotham-minibox}`. This function is documented on page ??.)

`\defbeamertemplate{mini-frame}{gotham-minibullet}` Template to add a new shape for miniframes `gotham minibullet`.

The following test files are used for this code: `gotham-test-048`.

```

3844 \defbeamertemplate{mini-frame}{gotham-minibullet}
3845 {
3846 \beamer@xelatex@fixminiframes
3847 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
3848 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
3849 \pgfusepath{fill,stroke}
3850 \end{pgfpicture}
3851 }[action]{
3852 \setbeamersize{mini-frame~size=.09cm, mini-frame~offset=.05cm}
3853 }
3854 %
3855 \defbeamertemplate{mini-frame~in~current~subsection}{gotham-minibullet}
3856 {
3857 \beamer@xelatex@fixminiframes
3858 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
3859 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
3860 \pgfusepath{stroke}
3861 \end{pgfpicture}
3862 }

```

(End of definition for `\defbeamertemplate{mini-frame}{gotham-minibullet}`. This function is documented on page ??.)

`outer_key_□_□_interface` Controls the outer settings for mini frames shape template.

The following test files are used for this code: `gotham-test-048`.

```

3863 \keys_define:nn { gotham / outer }{
3864 %% mini-frames~shape
3865 % mini-frames~shape .choice:,
3866 mini-frames~shape .usage:n = { general },
3867 mini-frames~shape .default:n = { gotham-minibullet },
3868 % \__gotham_set_template:nn{title~page}{#1}

```



```

3869 mini~frames~shape .code:n = {
3870   % \_gotham_set_template:nn{mini~frames}{#1}% This can not work since this is an alias, so
3871   \setbeamertemplate{mini~frames}[#1]
3872 },
3873 % mini~frames~shape / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~un
3874 }

```

(End of definition for outer key - interface. This function is documented on page ??.)

`\defbeamertemplate*{miniframe~home}` Template to adapt Beamer to the internal modification brought by Gotham: differentiation between slide to come and those done, idem for section, subsection...

The following test files are used for this code: *gotham-test-048*.

```

3875 \defbeamertemplate*{miniframe~home}{beamer}{
3876   % $\equiv$
3877 }
3878 \defbeamertemplate*{miniframe~current~slide}{beamer}{
3879   \usebeamertemplate{mini~frame}
3880 }
3881 \defbeamertemplate*{miniframe~done~current~section}{beamer}{
3882   \usebeamertemplate{mini~frame~in~current~subsection}
3883 }
3884 \defbeamertemplate*{miniframe~todo~current~section}{beamer}{
3885   \usebeamertemplate{mini~frame~in~current~subsection}
3886 }
3887 \defbeamertemplate*{miniframe~done~other~section}{beamer}{
3888   \usebeamertemplate{mini~frame~in~other~subsection}
3889 }
3890 \defbeamertemplate*{miniframe~todo~other~section}{beamer}{
3891   \usebeamertemplate{mini~frame~in~other~subsection}
3892 }
3893 % Templates about should appear sectioning in mini frame.
3894 % \defbeamertemplate*{miniframe~part}{beamer}{}
3895 \defbeamertemplate*{miniframe~section~current}{beamer}{}
3896 \defbeamertemplate*{miniframe~section~done}{beamer}{}
3897 \defbeamertemplate*{miniframe~section~todo}{beamer}{}
3898 \defbeamertemplate*{miniframe~subsection~current}{beamer}{}
3899 \defbeamertemplate*{miniframe~subsection~todo}{beamer}{}
3900 \defbeamertemplate*{miniframe~subsection~done}{beamer}{}
3901 % \defbeamertemplate*{miniframe~subsubsection}{beamer}{}
3902 \defbeamertemplate*{miniframe~section~done~in~other~section}{default}[1][50]
3903 {
3904   \color{fg!#1!bg}\usebeamertemplate{miniframe~section~done}

```

```

3905 }
3906 \defbeamertemplate*{miniframe~section~todo~in~other~section}{default}[1][50]
3907 {
3908   \color{fg!#1!bg}\usebeamertemplate{miniframe~section~todo}
3909 }
3910 \defbeamertemplate*{miniframe~subsection~done~in~other~section}{default}[1][50]
3911 {
3912   \color{fg!#1!bg}\usebeamertemplate{miniframe~subsection~done}
3913 }
3914 \defbeamertemplate*{miniframe~subsection~todo~in~other~section}{default}[1][50]
3915 {
3916   \color{fg!#1!bg}\usebeamertemplate{miniframe~subsection~todo}
3917 }

```

(End of definition for `\defbeamertemplate*{miniframe~home}`. This function is documented on page ??.)

`beamertemplate{miniframe~home}{gotham~mini}` Templates for miniframes using a Gotham style inspired by a miniaturization than the one from Beamer.

The following test files are used for this code: *gotham-test-048*.

```

3918 \defbeamertemplate{miniframe~home}{gotham~mini}{
3919   \resizebox{0.85\beamer@boxsize}{\beamer@boxsize}{\equiv$}
3920   % \scalebox{0.5}[0.95]{\equiv$}
3921 }
3922 \defbeamertemplate{miniframe~current~slide}{gotham~mini}{
3923   \usebeamercolor[fg]{alerted~text}
3924   \usebeamertemplate{mini~frame}
3925 }
3926 \defbeamertemplate{miniframe~done~current~section}{gotham~mini}{
3927   \usebeamertemplate{mini~frame}
3928 }
3929 \defbeamertemplate{miniframe~todo~current~section}{gotham~mini}{
3930   \usebeamertemplate{mini~frame~in~current~subsection}
3931 }
3932 \defbeamertemplate{miniframe~done~other~section}{gotham~mini}[1][50]{
3933   \color{fg!#1!bg}\usebeamertemplate{mini~frame}
3934 }
3935 \defbeamertemplate{miniframe~todo~other~section}{gotham~mini}[1][50]{
3936   \color{fg!#1!bg}\usebeamertemplate{mini~frame~in~other~subsection}
3937 }
3938 % Templates about should appear sectioning in mini frame.
3939 % \defbeamertemplate{miniframe~part}{gotham~mini}[1][]{
3940 % p

```

```

3941 % }
3942 \defbeamertemplate{miniframe-section-current}{gotham-mini}{
3943 \fontsize{3pt}{0pt}\selectfont
3944 % \color{blue}
3945 \tl_use:N \l__gotham_minif_tmpa_tl
3946 \hspace{1.pt}
3947 }
3948 \defbeamertemplate{miniframe-section-done}{gotham-mini}{
3949 \fontsize{3pt}{0pt}\selectfont
3950 % \color{green}
3951 \tl_use:N \l__gotham_minif_tmpa_tl
3952 \hspace{1.pt}
3953 }
3954 \defbeamertemplate{miniframe-section-todo}{gotham-mini}{
3955 \fontsize{3pt}{0pt}\selectfont
3956 % \color{red}
3957 \tl_use:N \l__gotham_minif_tmpa_tl
3958 \hspace{1.pt}
3959 }
3960 \defbeamertemplate{miniframe-subsection-current}{gotham-mini}{
3961 \usebeamercolor[fg]{alerted-text}
3962 \hspace{-0.15pt}
3963 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
3964 }
3965 \defbeamertemplate{miniframe-subsection-todo}{gotham-mini}{
3966 \hspace{-0.15pt}
3967 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\lozenge$}
3968 }
3969 \defbeamertemplate{miniframe-subsection-done}{gotham-mini}{
3970 \hspace{-0.15pt}
3971 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
3972 }
3973 % \defbeamertemplate{miniframe-subsubsection}{gotham-mini}{
3974 % d
3975 % }

```

(End of definition for `\defbeamertemplate{miniframe-home}{gotham-mini}`. This function is documented on page ??.)

`beamertemplate{miniframe-home}{gotham-nano}` Template for Gotham mini frame style using even less space.

The following test files are used for this code: *gotham-test-048*.

```

3976 \defbeamertemplate{miniframe-home}{gotham-nano}{
3977 % \resizebox{\beamer@boxsize}{!}{\equiv$}

```

```

3978 \scalebox{0.5}[0.95]{\equiv$}
3979 }
3980 \defbeamertemplate{miniframe-current-slide}{gotham-nano}{
3981 o
3982 }
3983 \defbeamertemplate{miniframe-done-current-section}{gotham-nano}{
3984 x
3985 }
3986 \defbeamertemplate{miniframe-todo-current-section}{gotham-nano}{
3987 $\cdot$
3988 }
3989 \defbeamertemplate{miniframe-done-other-section}{gotham-nano}{
3990 x
3991 }
3992 \defbeamertemplate{miniframe-todo-other-section}{gotham-nano}{
3993 $\cdot$
3994 }
3995 % Templates about should appear sectioning in mini frame.
3996 % \defbeamertemplate{miniframe-part}{gotham-nano}[1][]{
3997 % p
3998 % }
3999 \defbeamertemplate{miniframe-section-current}{gotham-nano}{
4000 \tl_use:N \l__gotham_minif_tmpa_tl
4001 }
4002 \defbeamertemplate{miniframe-section-done}{gotham-nano}{
4003 \tl_use:N \l__gotham_minif_tmpa_tl
4004 }
4005 \defbeamertemplate{miniframe-section-todo}{gotham-nano}{
4006 \tl_use:N \l__gotham_minif_tmpa_tl
4007 }
4008 \defbeamertemplate{miniframe-subsection-current}{gotham-nano}{
4009 \usebeamercolor[fg]{alerted-text}\diamond$
4010 }
4011 \defbeamertemplate{miniframe-subsection-todo}{gotham-nano}{
4012 $\diamond$
4013 }
4014 \defbeamertemplate{miniframe-subsection-done}{gotham-nano}{
4015 $\diamond$
4016 }

```

(End of definition for \defbeamertemplate{miniframe-home}{gotham-nano}. This function is documented on page ??.)

`\defbeamertemplateparent{mini-frames-bundle}` Define a parent template to set the 6 templates at once.

The following test files are used for this code: *gotham-test-048*.

```
4017 \defbeamertemplateparent{mini-frames-bundle}
4018 { miniframe~home, miniframe~current~slide,
4019 miniframe~done~current~section, miniframe~todo~current~section, miniframe~done~other~section,
4020 miniframe~section~current, miniframe~section~done, miniframe~section~todo,
4021 miniframe~subsection~current, miniframe~subsection~done, miniframe~subsection~todo,
4022 }{}
4023 %\setbeamertemplate{mini~frames~bundle}[gotham-mini][beamer][gotham-nano]
```

(End of definition for `\defbeamertemplateparent{mini-frames-bundle}`. This function is documented on page ??.)

`outer_key_interface` Controls the outer settings for mini frames bundle template.

The following test files are used for this code: *gotham-test-050*.

```
4024 \keys_define:nn { gotham / outer }{
4025   %% mini-frames-bundle
4026   % mini-frames-bundle .choice:,
4027   mini-frames-bundle .usage:n = { general },
4028   mini-frames-bundle .default:n = { gotham-mini },
4029   % \__gotham_set_template:nn{title-page}{#1}
4030   mini-frames-bundle .code:n = {
4031     % \__gotham_set_template:nn{mini-frames}{#1}% This can not work since this is an alias, so
4032     \setbeamertemplate{mini-frames-bundle}[#1]
4033   },
4034   % mini-frames-bundle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unknown. } }
4035 }
```

(End of definition for `outer key - interface`. This function is documented on page ??.)

MiniFrames Navigation

`outer_key_interface` Controls the outer settings for mini frames compress template.

The following test files are used for this code: *gotham-test-050*.

```
4036 \keys_define:nn { gotham / outer }{
4037   % mini-frames-compress default
4038   mini-frames-compress .choice:,
4039   mini-frames-compress .usage:n = { general },
4040   mini-frames-compress .default:n = { true },
4041
4042   mini-frames-compress / true .code:n = { \beamer@compresstrue },
4043   mini-frames-compress / on .code:n = { \beamer@compresstrue },
```

```

4044 mini~frames~compress / enable .code:n = { \beamer@compresstrue },
4045
4046 mini~frames~compress / false .code:n = { \beamer@compressfalse },
4047 mini~frames~compress / off .code:n = { \beamer@compressfalse },
4048 mini~frames~compress / disable .code:n = { \beamer@compressfalse },
4049
4050 mini~frames~compress / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
4051 } }

```

(End of definition for outer key - interface. This function is documented on page ??.)

`\l__gotham_minif_tpa_tl` Temporary variables used for the store dimension of the miniframe subsection, check if
`\gotham@temp@MiniframeSubsecDim` the last section treated and the pass the value of the section to the section template.
`\gotham@temp@lastSec`

```

4052 \newlength{\gotham@temp@MiniframeSubsecDim}
4053 \newlength{\gotham@temp@MiniframeSecDim}
4054 \def\gotham@temp@lastSec{-1}
4055 \tl_new:N \l__gotham_minif_tpa_tl
4056 \tl_new:N \l__gotham_minif_tpb_tl

```

(End of definition for \l__gotham_minif_tpa_tl, \gotham@temp@MiniframeSubsecDim, and \gotham@temp@lastSec. These variables are documented on page ??.)

`\renewcommand{\slideentry}` Redefinition of the slideentry command from Beamer in order to add home page symbol, section symbol, subsection symbol to come and done.

The following test files are used for this code: gotham-test-048.

```
4057 % definition from Beamerbasenavigation.sty
4058 % \def\slideentry#1#2#3#4#5#6{%
4059 \renewcommand{\slideentry}[6]{%
4060     %section number, subsection number, slide number, first/last frame, page number, part num
4061 \ifnum#6=\c@part\ifnum#3>0\ifnum#6=\c@part\ifnum#1>0\ifnum#3>0 MODIF
4062 \ifbeamer@compress%
4063 \advance\beamer@xpos by1\relax%
4064 \else%
4065 \ifnum#2=0%
4066 \beamer@ypos@offset=1\relax%
4067 \fi%
4068 \beamer@xpos=#3\relax%
4069 \beamer@ypos=#2\relax%
4070 \advance\beamer@ypos by \beamer@ypos@offset\relax%
4071 \fi%
4072 %% Add section number and subsection symbol to miniframes.
4073 %% MODIF below, inspired from https://tex.stackexchange.com/questions/722523
4074 \ifnum#3=1\c@subsectionslide=#3 % if =1, so it has been reset => new section or subsection
4075 \ifnum#1>0\ifnum#2<2% => there no subsection in this section.
4076 \ifnum\gotham@temp@lastSec=#1%
4077 % this means, that we already went through: there no subsec, then the first subsec has
4078 \else%
4079 \tl_set:Nn \l__gotham_minif_tmpa_tl {#1}
4080 \settowidth{\gotham@temp@MiniframeSecDim}{\usebeamertemplate{miniframe-section-current}}
4081 % \addtolength{\gotham@temp@MiniframeSecDim}{1.5pt}
4082 \hbox to Opt{%
4083 \beamer@tempdim=-\beamer@vboxoffset%
4084 \advance\beamer@tempdim by-\beamer@boxsize%
4085 \multiply\beamer@tempdim by\beamer@ypos%
4086 \advance\beamer@tempdim by -.05cm%
4087 \raise\beamer@tempdim\hbox{%
4088 \beamer@tempdim=\beamer@boxsize%
4089 \multiply\beamer@tempdim by\beamer@xpos%
4090 \advance\beamer@tempdim by -\beamer@boxsize%
4091 \advance\beamer@tempdim by -\gotham@temp@MiniframeSecDim% NEW
4092 \advance\beamer@tempdim by 1pt%
4093 \kern\beamer@tempdim%
4094 \global\beamer@section@min@dim\beamer@tempdim%
4095 \hbox{\beamer@link(#4)}%
4096 % \usebeamertemplate{miniframe-section}%
4097 % if not first page then check167 if it is the current section.
4098 \ifnum\c@section=#1%
4099 % check if it is the current slide
4100 \ifnum\c@subsectionslide=#3%
4101 \usebeamertemplate{miniframe-section-current}
4102 \else%
4103 \ifnum\c@subsectionslide<#3
```

`gothamZerosectionframes` Boolean variable to flag if they are frame in a zeroth section.

```
4277 \providebool{gothamZerosectionframes}  
4278 \boolfalse{gothamZerosectionframes}
```

(End of definition for `gothamZerosectionframes`. This variable is documented on page 36.)

`\insertnavigation` Patches for `\insertnavigation` and `\sectionentry` to be able to adapt with spreading values.
`\sectionentry`

The following test files are used for this code: `gotham-test-048`.

```
4279 \providecommand{\gothamInsertNavlength}{  
4280 % spreading by default  
4281 \ifbool{gothamZerosectionframes}{  
4282 %true  
4283 % spreading  
4284 \hskip-0.5ex~plus~1fill  
4285 }{  
4286 %false  
4287 \hskip-1.875ex~plus~1fill  
4288 }%  
4289 }  
4290 \providecommand{\gothamPatchInsertNav}{  
4291 % Don't patch for now  
4292 \box\beamer@sectionbox\hfil\hskip.3cm  
4293 }  
4294 \providecommand{\gothamPatchSectionentry}{  
4295 % Don't patch for now  
4296 \hskip1.875ex~plus~1fill  
4297 }  
4298 \providecommand{\gothamPatchSectionbox}{  
4299 % Don't patch for now  
4300 \ht\beamer@sectionbox=1.875ex  
4301 \dp\beamer@sectionbox=0.75ex  
4302 }  
4303 \ExplSyntaxOff  
4304 % To let the 0-th section appear.  
4305 \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{%  
4306 \ifnum\value{section}=0%  
4307 \ifnum\value{framenum}>0%  
4308 \hskip-0ex%  
4309 \global\booltrue{gothamZerosectionframes}%  
4310 \fi\fi%  
4311 \gothamInsertNavlength%
```



```

4312 }{}{}
4313 %% Remove hfill between sections => flush right bullet bar, if not corrected.
4314 \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\gothamPatchSectionentry}{}{}
4315 %% Centering the bullet bar
4316 \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{\gothamPatchInsertNav}{}{}
4317 % Patch size of sectionbox
4318 \patchcmd{\insertnavigation}{\ht\beamer@sectionbox=1.875ex%
4319 \dp\beamer@sectionbox=0.75ex%
4320 }{
4321 \gothamPatchSectionbox
4322 }{}{}
4323 \patchcmd{\sectionentry}{\ht\beamer@sectionbox=1.875ex%
4324 \dp\beamer@sectionbox=0.75ex%
4325 }{
4326 \gothamPatchSectionbox
4327 }{}{}
4328 \ExplSyntaxOn

```

(End of definition for `\insertnavigation` and `\sectionentry`. These functions are documented on page ??.)

`outer_key_□_□_interface` Controls the outer settings for mini frames navigation spreading.

The following test files are used for this code: `gotham-test-051`.

```

4329 \keys_define:nn { gotham / outer }{
4330 % mini~frames~nav~spreading default
4331 mini~frames~nav~spreading .choice:,
4332 mini~frames~nav~spreading .usage:n = { general },
4333 mini~frames~nav~spreading .default:n = { spreading },
4334
4335 mini~frames~nav~spreading / spreading .code:n = {
4336 %
4337 \renewcommand{\gothamInsertNavlength}{
4338 \ifbool{gothamZerosectionframes}{
4339 %true
4340 % spreading
4341 \hskip-0.5ex
4342 }{
4343 %false
4344 \hskip-1.875ex-plus-1fill
4345 }%
4346 }
4347 % No other patch needed, but renewcommand if it has been modified previously.
4348 \renewcommand{\gothamPatchInsertNav}{

```

```

4349 % Don't patch for now
4350 \box\beamer@sectionbox\hfil\hskip.3cm
4351 }
4352 \renewcommand{\gothamPatchSectionentry}{
4353 % Don't patch for now
4354 \hskip1.875ex~plus~1fill
4355 }
4356 },
4357 mini~frames~nav~spreading / centering .code:n = {
4358 %
4359 \renewcommand{\gothamInsertNavlength}{
4360 \ifbool{gothamZerosectionframes}{
4361 %true
4362 % centering +patch sectionenty +patch insertnav @sectionbox
4363 \hskip-0.5ex~plus~1fill
4364 }{
4365 %false
4366 % \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{\hfill}}{}
4367 \hfill
4368 }%
4369 }
4370 % Centering the bullet bar
4371 % \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{ \box\beamer@section
4372 \renewcommand{\gothamPatchInsertNav}{
4373 \box\beamer@sectionbox\hfill\hskip.3cm
4374 }
4375 %% Remove hfill between sections => flush right bullet bar, if not corrected.
4376 % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}}{}
4377 \renewcommand{\gothamPatchSectionentry}{
4378 \hskip~3.5ex
4379 }
4380 },
4381 mini~frames~nav~spreading / left .code:n = {
4382 %
4383 \renewcommand{\gothamInsertNavlength}{
4384 \ifbool{gothamZerosectionframes}{
4385 %true
4386 % flush left +patch sectionenty
4387 \hskip-0.5ex
4388 }{
4389 %false
4390 % no patch
4391 \hskip-1.875ex plus-1fill

```

```

4392   }%
4393   }
4394   % Centering the bullet bar : NO
4395   % no patch
4396   \renewcommand{\gothamPatchInsertNav}{
4397     \box\beamer@sectionbox\hfil\hskip.3cm
4398   }
4399   %% Remove hfill between sections => flush right bullet bar, if not corrected.
4400   % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4401   \renewcommand{\gothamPatchSectionentry}{
4402     \hskip~3.5ex
4403   }
4404 },
4405 mini~frames~nav~spreading / right .code:n = {
4406   %
4407   \renewcommand{\gothamInsertNavlength}{
4408     \ifbool{gothamZerosectionframes}{
4409       %true
4410       % flush right +patch sectionenty
4411       \hskip-0.5ex~plus~1fill
4412     }{
4413       %false
4414       % no patch
4415       \hskip-1.875ex plus-1fill
4416     }%
4417   }
4418   % Centering the bullet bar : NO
4419   % no patch
4420   \renewcommand{\gothamPatchInsertNav}{
4421     \box\beamer@sectionbox\hfil\hskip.3cm
4422   }
4423   %% Remove hfill between sections => flush right bullet bar, if not corrected.
4424   % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4425   \renewcommand{\gothamPatchSectionentry}{
4426     \hskip~3.5ex
4427   }
4428 },
4429 mini~frames~nav~spreading / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'#1'
4430 }

```

(End of definition for outer key - interface. This function is documented on page ??.)

`outer_key_□_□_interface` Controls the outer settings for mini frames navigation sectioning template.

The following test files are used for this code: *gotham-test-051*.

```
4431 \keys_define:nn { gotham / outer }{
4432 % mini-frames~nav~sectioning default
4433 mini-frames~nav~sectioning .choice:,
4434 mini-frames~nav~sectioning .usage:n = { general },
4435 mini-frames~nav~sectioning .default:n = { secsubsection },
4436
4437 mini-frames~nav~sectioning / none .code:n = {
4438 %
4439 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
4440 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
4441 \renewcommand{\gothamPatchSectionbox}{
4442 % patch to set section box height to 0.
4443 \ht\beamer@sectionbox=0pt
4444 \dp\beamer@sectionbox=0pt
4445 }
4446 },
4447 mini-frames~nav~sectioning / section .code:n = {
4448 %
4449 \__gotham_set_template:nn{section~in~head/foot~shaded}{default} %from Beamer
4450 \__gotham_set_template:nn{section~in~head/foot}{default} %from Beamer
4451 },
4452 mini-frames~nav~sectioning / secsubsection .code:n = {
4453 %
4454 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham-secSubsec}
4455 \__gotham_set_template:nn{section~in~head/foot}{default/gotham-secSubsec}
4456 },
4457
4458 mini-frames~nav~sectioning / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
4459 }
```

(End of definition for outer key - interface. This function is documented on page ??.)

`outer_key_□_□_interface` Controls the outer settings for mini frames navigation position template.

The following test files are used for this code: *gotham-test-051*.

```
4460 \tl_new:N \l__gotham_out_tmp_mfnposi_tl
4461 \keys_define:nn { gotham / outer }{
4462 % mini-frames~nav~position default
4463 mini-frames~nav~position .choice:,
4464 mini-frames~nav~position .usage:n = { general },
4465 mini-frames~nav~position .default:n = { none },
4466
```

```

4467 mini~frames~nav~position / none .code:n = {
4468 %
4469 % reset if it has modified by another progressbar strategy
4470 % \__gotham_set_prop_template:nn{sidebar~canvas~right/default}#{#1}
4471 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {none}
4472
4473 % head
4474 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4475 % True: nothing to do it is already occupied.
4476 }{
4477 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headlin
4478 }
4479 % frametitle
4480 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4481 % % True: nothing to do it is already occupied.
4482 % }{
4483 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fra
4484 % }
4485 % foot
4486 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4487 % True: nothing to do it is already occupied.
4488 }{
4489 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footlin
4490 }
4491 % left
4492 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4493 % True: nothing to do it is already occupied.
4494 }{
4495 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {sid
4496 }
4497 % right
4498 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4499 % True: nothing to do it is already occupied.
4500 }{
4501 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4502 }
4503 },
4504 mini~frames~nav~position / head .code:n = {
4505 %
4506 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
4507 % True: nothing to do it is already done.
4508 }{
4509 % False : remember that choice in order to do not apply it several time and add to beamer

```

```

4510 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {head}
4511
4512 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4513   % True: nothing to do it is already occupied.
4514 }{
4515   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4516 }
4517 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4518 % % True: nothing to do it is already occupied.
4519 % }{
4520 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4521 % }
4522 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4523   % True: nothing to do it is already occupied.
4524 }{
4525   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4526 }
4527 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4528   % True: nothing to do it is already occupied.
4529 }{
4530   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4531 }
4532 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4533   % True: nothing to do it is already occupied.
4534 }{
4535   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4536 }
4537
4538 %
4539 \addtobeamertemplate{headline}{}{
4540   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
4541     \usebeamertemplate*{mini~nav~progress~head/foot}
4542   }{}
4543 }
4544 }
4545 },
4546 mini~frames~nav~position / foot .code:n = {
4547 %
4548 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
4549   % True: nothing to do it is already done.
4550 }{
4551   % False : remember that choice in order to do not apply it several time and add to beamer
4552   \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {foot}

```

```

4553
4554 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4555   % True: nothing to do it is already occupied.
4556 }{
4557   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4558 }
4559 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4560 % % True: nothing to do it is already occupied.
4561 % }{
4562 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4563 % }
4564 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4565   % True: nothing to do it is already occupied.
4566 }{
4567   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4568 }
4569 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4570   % True: nothing to do it is already occupied.
4571 }{
4572   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4573 }
4574 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4575   % True: nothing to do it is already occupied.
4576 }{
4577   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4578 }
4579
4580 \addtobeamertemplate{footline}{}{
4581   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
4582     \usebeamertemplate*{mini~nav~progress-head/foot}
4583   }{}
4584 }
4585 }
4586 },
4587 mini~frames~nav~position / left .code:n = {
4588   %
4589   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
4590     % True: nothing to do it is already done.
4591   }{
4592     % False : remember that choice in order to do not apply it several time and add to beamer
4593     \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {left}
4594
4595     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {

```

```

4596     % True: nothing to do it is already occupied.
4597   }{
4598     \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4599   }
4600   % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4601   % % True: nothing to do it is already occupied.
4602   % }{
4603   % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4604   % }
4605   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4606     % True: nothing to do it is already occupied.
4607   }{
4608     \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4609   }
4610   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4611     % True: nothing to do it is already occupied.
4612   }{
4613     \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4614   }
4615   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4616     % True: nothing to do it is already occupied.
4617   }{
4618     \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4619   }
4620
4621   %
4622   \addtobeamertemplate{sidebar~left}{}{
4623     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
4624       \usebeamertemplate*{mini~nav~progress~left}
4625     }{}
4626   }
4627   }
4628   },
4629   mini~frames~nav~position / right .code:n = {
4630   %
4631   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
4632     % True: nothing to do it is already done.
4633   }{
4634     % False : remember that choice in order to do not apply it several time and add to beamer
4635     \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {right}
4636
4637     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4638       % True: nothing to do it is already occupied.

```



```

4639   }{
4640     \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4641   }
4642   % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4643   % % True: nothing to do it is already occupied.
4644   % }{
4645   % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4646   % }
4647   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4648   % True: nothing to do it is already occupied.
4649   }{
4650     \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4651   }
4652   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4653   % True: nothing to do it is already occupied.
4654   }{
4655     \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4656   }
4657   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4658   % True: nothing to do it is already occupied.
4659   }{
4660     \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4661   }
4662
4663   %
4664   \addtobeamertemplate{sidebar~right}{}{
4665     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
4666     \usebeamertemplate*{mini~nav~progress~right}
4667     }{}
4668   }
4669   }
4670   },
4671
4672   mini~frames~nav~position / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~
4673   }

```

(End of definition for outer key - interface. This function is documented on page ??.)

Progress bar

`\gothamProgressHeadFootLineheight` Lengths used in tikz rectangle.

```

4674 \newlength{\gotham@progressinheadfoot}
4675 \newlength{\gothamProgressHeadFootLineheight}
4676 \setlength{\gothamProgressHeadFootLineheight}{1.2ex}

```

(End of definition for \gothamProgressHeadFootLineheight. This variable is documented on page 36.)

`\l_gotham_ProgCircleMoving_bool` Boolean variables controlling the direction of progression and if the current frame number
`\l_gotham_progbar_advancement_tlbr_bool` is moving with the progression and if the miniframes navigation should be printed inside
`\l_gotham_pmf_n_bool` the progress bar.

```
4677 \bool_new:N \l_gotham_ProgCircleMoving_bool
4678 \bool_set_true:N \l_gotham_ProgCircleMoving_bool
4679
4680 \bool_new:N \l_gotham_progbar_advancement_tlbr_bool
4681 \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
4682
4683 \bool_new:N \l_gotham_pmf_n_bool
4684 \bool_set_false:N \l_gotham_pmf_n_bool
```

(End of definition for \l_gotham_ProgCircleMoving_bool, \l_gotham_progbar_advancement_tlbr_bool, and \l_gotham_pmf_n_bool. These variables are documented on page 36.)

`_gotham_rectangle_box_progressbar:n`

#1 : width of the progress bar.

Command to draw a rectangular progress bar that can go from left to right or the opposite and that can include a navigation miniframes bar.

The following test files are used for this code: gotham-test-048.

```
4685 % #1: 'linewidth'
4686 \cs_new_protected:Npn \_gotham_rectangle_box_progressbar:n #1
4687 {
4688 %
4689 \setlength{\gotham@progressinheadfoot}{
4690 #1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
4691 }
4692
4693 %
4694 \begin{beamercolorbox}[wd=#1]{progress~bar~in~head/foot}
4695 \begin{tikzpicture}
4696 \usebeamercolor{progress~bar~in~head/foot}
4697
4698 % gray rectangle in the background.
4699 \fill[color=progress~bar~in~head/foot.bg]
4700 (0pt, 0pt) rectangle ++ (#1, \gothamProgressHeadFootLineheight)
4701 ;
4702
4703 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
4704 % from left to right
4705 % orange rectangle progressing
4706 \fill[color=progress~bar~in~head/foot.fg]
4707 (0pt, 0pt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
4708 ;
4709 }{
4710 % from right to left
4711 % orange rectangle progressing
4712 \fill[color=progress~bar~in~head/foot.fg]
4713 (#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\gothamProgressHeadFootLineheight)
4714 ;
4715 }
4716
4717 \bool_if:NTF \l_gotham_pmf_n_bool {
4718 % progress miniframes navigation is on.
4719 \node at (#1/2, \gothamProgressHeadFootLineheight/2)
4720 [text~height=0.1pt, text~depth=0.05pt, inner~sep=0pt] %draw=red,
4721 {
4722 \usebeamercolor[fg]{normal~text}
4723 % \fontsize{3.5pt}{0pt}\selectfont
4724 \raisebox{0.5\gothamProgressHeadFootLineheight+1.4pt}[0pt][0pt]{
4725 %\dohead
4726 \hfuzz=#1
4727 \insertnavigation{#1}
4728 }
4729 }
```

`progress-bar-in-head/foot}{gotham-rectangle}` template displaying the progress bar in head, frametitle or footline.

The following test files are used for this code: gotham-test-046, gotham-test-046b, gotham-test-047, gotham-test-048.

```
4738 \defbeamertemplate{progress-bar-in-head/foot}{gotham-rectangle}{
4739 \nointerlineskip
4740 \_gotham_rectangle_box_progressbar:n {\paperwidth}
4741 }
```

(End of definition for `\defbeamertemplate{progress-bar-in-head/foot}{gotham-rectangle}`. This function is documented on page ??.)

`progress-bar-in-left/right}{gotham-rectangle}` template displaying the progress bar in left or right.

The following test files are used for this code: gotham-test-046, gotham-test-046b, gotham-test-047, gotham-test-048.

```
4742 \defbeamertemplate{progress-bar-in-left}{gotham-rectangle}{
4743 \nointerlineskip
4744
4745 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4746 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle-
4747
4748 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
4749
4750 \vspace{0.12275\paperheight}
4751 \rotatebox{90}{
4752 \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
4753 }
4754 }
4755 \defbeamertemplate{progress-bar-in-right}{gotham-rectangle}{
4756 \nointerlineskip
4757
4758 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4759 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle-
4760
4761 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
4762
4763 \hspace{-\gothamProgressHeadFootLineheight}
4764 \vspace{\gotham@temp@heightFrametitle-27.75pt}
4765 \rotatebox{-90}{
4766 \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
4767 }
4768 }
```

(End of definition for \defbeamertemplate{progress-bar-in-left/right}{gotham-rectangle}. This function is documented on page ??.)

`_gotham_rounded_box_progressbar:nnnn`

- #1 : width Name of the option to add, this name should also correspond to the name of the environment followed by the suffix 'env'.
- #2 : ratio progressbar/extra command
- #3 : colorbox name
- #4 : extra command

Command to draw a rounded box progress bar that can go from left to right or the opposite and that can include a navigation miniframes bar. The fourth argument is a command to control what to display at the right side of the rounded box.

The following test files are used for this code: gotham-test-048.

```
4769 % #1: 'linewidth'
4770 % #2: ratio of the progress bar
4771 % #3: colorbox name
4772 % #4: command for percent of progress
4773 \cs_new_protected:Npn \_gotham_rounded_box_progressbar:nnnn #1#2#3#4
4774 {
4775   \setlength{\gotham@progressinheadfoot}{
4776     #2#1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
4777   }
4778
4779   % 1.035\gothamProgressHeadFootLineheight is to include the border inside the box.
4780   \begin{beamercolorbox}[wd=#1, ht=1.035\gothamProgressHeadFootLineheight]{#3}
4781     \; \hfill
4782     %\tikzexternaldisable%
4783     \begin{tikzpicture}[rounded~corners=0.5\gothamProgressHeadFootLineheight, very~thin]
4784       \usebeamercolor{progress~bar~in~head/foot}
4785
4786       % gray rectangle in the background.
4787       \shade[top~color=progress~bar~in~head/foot.bg!65, bottom~color=progress~bar~in~head/foot.
4788         (Opt, Opt) rectangle ++ (#2#1, \gothamProgressHeadFootLineheight)
4789       ;
4790
4791       \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
4792         % from left to right
4793         % orange rectangle progressing
4794         \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
4795         (Opt, Opt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
4796       ;
4797     }{
4798       % from right to left
4799       % orange rectangle progressing
4800       \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
4801       (#2#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\
4802     ;
4803   }
4804
4805   \bool_if:NTF \l_gotham_pmf_n_bool {
4806     % progress miniframes navigation is on.
4807     \node at (#2#1/2, \gothamProgressHeadFootLineheight/2)
```

`progress-bar-in-head/foot}{gotham-rounded-box}` template displaying the progress bar in head, frametitle or footline.

The following test files are used for this code: gotham-test-046, gotham-test-046b, gotham-test-047, gotham-test-048.

```
4829 \defbeamertemplate{progress-bar-in-head/foot}{gotham-rounded-box}{
4830 \nointerlineskip
4831 \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.93}{footline}{
4832 \hfill
4833 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
4834 \fontsize{5pt}{0pt}\selectfont
4835 \usebeamercolor[fg]{normal~text}
4836 \fp_eval:n {round(\insertframenumbers*100/\inserttotalframenumbers,0)}\,%
4837 }
4838 }
4839 % \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.53}{progress-bar-in-head/foot}{
4840 }
```

(End of definition for `\defbeamertemplate{progress-bar-in-head/foot}{gotham-rounded-box}`. This function is documented on page ??.)

`progress-bar-in-left/right}{gotham-rounded-box}` template displaying the progress bar in left or right sidebar.

The following test files are used for this code: gotham-test-046, gotham-test-046b, gotham-test-047, gotham-test-048.

```
4841 \defbeamertemplate{progress-bar-in~left}{gotham-rounded-box}{
4842 \nointerlineskip
4843
4844 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4845 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle@height}
4846
4847 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\gotham@temp@heightFrametitle}
4848
4849 \vspace{0.12275\paperheight}
4850 % \hspace{\gothamProgressHeadFootLineheight}
4851 \rotatebox{90}{
4852 \_gotham_rounded_box_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline}
4853 \hfill
4854 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
4855 \fontsize{5pt}{0pt}\selectfont
4856 \fp_eval:n {round(\insertframenumbers*100/\inserttotalframenumbers,0)}\,%
4857 }
4858 }
4859 }
```

```

4860 }
4861 \defbeamertemplate{progress-bar-in-right}{gotham-rounded-box}{
4862 \nointerlineskip
4863
4864 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4865 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle@height}
4866
4867 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\gotham@temp@heightFrametitle}
4868
4869 \hspace{-\gothamProgressHeadFootLineheight-0.2pt}
4870 \vspace{\gotham@temp@heightFrametitle-27.75pt}
4871 \rotatebox{-90}{
4872 \_gotham_rounded_box_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline}
4873 \hfill
4874 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
4875 \fontsize{5pt}{0pt}\selectfont
4876 \fp_eval:n {round(\insertframenummer*100/\inserttotalframenummer,0)}\,\,%
4877 }
4878 }
4879 }
4880 }

```

(End of definition for `\defbeamertemplate{progress-bar-in-left/right}{gotham-rounded-box}`. This function is documented on page ??.)

`\gothamProgressCircHeight` Lengths used in tikz rectangle.

`\gothamCounterCircleRadius`

`\gothamProgressCircBorderWidth`

```

4881 %the height of the header is 1.8 times the lineheight of the frame title
4882 \newlength{\gothamProgressCircHeight}
4883 \setlength{\gothamProgressCircHeight}{1.8\baselineskip}
4884 %\setlength{\gothamProgressCircHeight}{2\baselineskip}
4885 \newlength{\gothamCounterCircleRadius}
4886 \setlength{\gothamCounterCircleRadius}{1.12ex}
4887 % width of the border
4888 \newlength{\gothamProgressCircBorderWidth}
4889 \setlength{\gothamProgressCircBorderWidth}{1.65mm}
4890
4891 %% Induced length used internally, but can still be tuned manually by inspired people.
4892 % radius of the logo
4893 \newlength{\gothamProgressCircLogoRadius}
4894 \setlength{\gothamProgressCircLogoRadius}{1.2\gothamProgressCircHeight/2}
4895 % inner radius of border of the logo frame
4896 \newlength{\gothamProgressCircLogoInnerRadius}
4897 \setlength{\gothamProgressCircLogoInnerRadius}{1.1\gothamProgressCircLogoRadius}

```



```

4898 % radius of the outer border of the logo frame
4899 \newlength{\gothamProgressCircLogoOuterRadius}
4900 \setlength{\gothamProgressCircLogoOuterRadius}{\gothamProgressCircLogoInnerRadius+\gothamPro
4901 % radius of the counters
4902 \newlength{\gothamCounterRadius}
4903 \setlength{\gothamCounterRadius}{\gothamProgressCircLogoInnerRadius/2+\gothamProgressCircLogo

```

(End of definition for `\gothamProgressCircHeight`, `\gothamCounterCircleRadius`, and `\gothamProgressCircBorderWidth`.
These variables are documented on page 37.)

`\l_gotham_ratio_progresscircle_fp` angle ratio of the progress in degree and angle of the counter circle intercepted by the
`\l_gotham_angle_counterradius_fp` half of the border.

```

4904 % \fp_new:N \l_gotham_ratio_progress_fp
4905 \fp_new:N \l_gotham_ratio_progresscircle_fp
4906 % the angle token by the counter radius
4907 \fp_new:N \l_gotham_angle_counterradius_fp
4908 % requires xfp for asind
4909 \fp_set:Nn \l_gotham_angle_counterradius_fp {
4910 \fpeval{ 2* asind (\gothamCounterCircleRadius / (2*\gothamCounterRadius)) }
4911 }

```

(End of definition for `\l_gotham_ratio_progresscircle_fp` and `\l_gotham_angle_counterradius_fp`.
These variables are documented on page ??.)

`\gothamInstituteLogoCircle[#1]`

#1 : height of the picture

Command to be redefined by users.

The following test files are used for this code: `gotham-test-046b`.

```

4912 \newcommand{\gothamInstituteLogoCircle}[1][4ex]{
4913 \includegraphics[height=#1]{gotham-logo.pdf}
4914 }

```

`\gothamProgressCircle` Internal command plotting the circle progress and that is used internal in the instituteLogo template within the frametitle template.

The following test files are used for this code: `gotham-test-046b`.

```
4915 \newcommand{\gothamProgressCircle}{
4916 % \tikzexternaldisable
4917 \begin{tikzpicture}[remember~picture,overlay]
4918 % Load colors
4919 \usebeamercolor{standin}
4920 \usebeamercolor{frametitle}
4921 \usebeamercolor{progress~bar~in~head/foot}
4922
4923 % Define center
4924 \coordinate (localCenter);
4925 % draw the outer circle
4926 \fill[fill=progress~bar~in~head/foot.bg] (localCenter) circle (\gothamProgressCircLogoRadius);
4927 % draw the inner circle
4928 \fill[fill=frametitle.bg] (localCenter) circle (\gothamProgressCircLogoInnerRadius);
4929 \node at (localCenter) {\gothamInstituteLogoCircle[1.9\gothamProgressCircLogoRadius]};
4930
4931 %% draw progress circle/bar
4932 \bool_if:NTF \l_gotham_ProgCircleMoving_bool {
4933 % the circular counter with a moving counter
4934
4935 %% compute the angle for the progress circle
4936 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
4937 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {-(360)*\insertframenummer/\inserttotalframes}
4938 }{
4939 %\else% clockwise rotation
4940 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {(360)*(\insertframenummer/\inserttotalframes)}
4941 }
4942 %\fi
4943
4944 % draw the arc progress bar
4945 \draw[
4946 color=progress~bar~in~head/foot.fg,
4947 line~width=0.6*\gothamProgressCircBorderWidth
4948 ]
4949 (localCenter)
4950 ++
4951 ([
4952 xshift=\gothamCounterRadius
4953 ]localCenter)
4954 arc[
4955 radius=\gothamCounterRadius, 186
4956 start~angle=0,
4957 end~angle={\fp_eval:n \l_gotham_ratio_progresscircle_fp}
4958 ]
4959 ;
4960
4961 % draw a point at the beginning of the progress circle
```

`outer_key_□_□interface` Controls the outer settings for progress bar.

The following test files are used for this code: gotham-test-048.

```
5071 % token list to remember what is the current state
5072 \tl_new:N \l__gotham_out_tmp_pbar_tl
5073 \keys_define:nn { gotham / outer }{
5074 % progressbar~position default
5075 progressbar~position .choice:,
5076 progressbar~position .usage:n = { general },
5077 progressbar~position .default:n = { none },
5078
5079 progressbar~position / none .code:n = {
5080 % reset if it has modified by another progressbar~position strategy
5081 % \__gotham_set_prop_template:nn{sidebar~canvas~right/default}{#1}
5082 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {none}
5083
5084 % head
5085 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5086 % True: nothing to do it is already occupied.
5087 }{
5088 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headlin
5089 }
5090 % frametitle
5091 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5092 % % True: nothing to do it is already occupied.
5093 % }{
5094 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {frame
5095 % }
5096 % foot
5097 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5098 % True: nothing to do it is already occupied.
5099 }{
5100 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footlin
5101 }
5102 % left
5103 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5104 % True: nothing to do it is already occupied.
5105 }{
5106 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {sid
5107 }
5108 % right
5109 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5110 % True: nothing to do it is already occupied.
```

```

5111 }{
5112   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5113 }
5114
5115 % logo
5116 \__gotham_set_prop_template:nn{includeLogo/default}{gotham~square}
5117 % section in head
5118 \setbeamertemplate{section~in~head/foot~shaded}[default/\prop_item:Nn \l__gotham_template_
5119 \setbeamertemplate{section~in~head/foot}[default/\prop_item:Nn \l__gotham_template_name_pr
5120 },
5121 progressbar~position / head .code:n = {
5122   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5123     % True: nothing to do it is already done.
5124   } {
5125     % False : remember that choice in order to do not apply it several time and add to beamer
5126     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {head}
5127
5128     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5129       % True: nothing to do it is already occupied.
5130     }{
5131       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5132     }
5133     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5134     % % True: nothing to do it is already occupied.
5135     % }{
5136     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5137     % }
5138     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5139       % True: nothing to do it is already occupied.
5140     }{
5141       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5142     }
5143     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5144       % True: nothing to do it is already occupied.
5145     }{
5146       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5147     }
5148     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5149       % True: nothing to do it is already occupied.
5150     }{
5151       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5152     }
5153

```

```

5154 %
5155 \addtobeamertemplate{headline}{\{
5156   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5157     \usebeamertemplate*{progress-bar-in-head/foot}
5158   }\}
5159 }
5160 }
5161 },
5162 progressbar~position / frametitle .code:n = {
5163   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5164     % True: nothing to do it is already done.
5165   } {
5166     % False : remember that choice in order to do not apply it several time and add to beamer
5167     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {frametitle}
5168
5169     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5170       % True: nothing to do it is already occupied.
5171     }\{
5172       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5173     }
5174     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5175     % % True: nothing to do it is already occupied.
5176     % }\{
5177     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5178     % }
5179     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5180       % True: nothing to do it is already occupied.
5181     }\{
5182       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5183     }
5184     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5185       % True: nothing to do it is already occupied.
5186     }\{
5187       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5188     }
5189     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5190       % True: nothing to do it is already occupied.
5191     }\{
5192       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5193     }
5194
5195 %
5196 \addtobeamertemplate{frametitle}{\{

```

```

5197     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5198       \usebeamertemplate*{progress~bar~in~head/footer}
5199     }{}
5200   }
5201 }
5202 },
5203 progressbar~position / foot .code:n = {
5204   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5205     % True: nothing to do it is already done.
5206   } {
5207     % False : remember that choice in order to do not apply it several time and add to beamer
5208     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {footline}
5209
5210     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5211       % True: nothing to do it is already occupied.
5212     }{
5213       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5214     }
5215     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5216     % % True: nothing to do it is already occupied.
5217     % }{
5218     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5219     % }
5220     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5221       % True: nothing to do it is already occupied.
5222     }{
5223       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5224     }
5225     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5226       % True: nothing to do it is already occupied.
5227     }{
5228       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5229     }
5230     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5231       % True: nothing to do it is already occupied.
5232     }{
5233       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5234     }
5235
5236     %
5237     \addtobeamertemplate{footline}{}{
5238     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5239     \usebeamertemplate*{progress~bar~in~head/footer}

```

```

5240   }{}
5241   }
5242   }
5243 },
5244 progressbar~position / circlehead .code:n = {
5245   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5246     % True: nothing to do it is already done.
5247   } {
5248     % False : remember that choice in order to do not apply it several time and add to beamer
5249     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {circlehead}
5250
5251     %
5252     %%\prop_put:Nnn \l__gotham_template_name_SAVE_prop {includeLogo/default} {gotham~square}
5253     \__gotham_set_prop_template:nn{includeLogo/default}{gotham~circle}
5254     \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham~secSubsec}
5255     \__gotham_set_template:nn{section~in~head/foot}{default/gotham~secSubsec}
5256     % \__gotham_set_template:nn{headline}{default/gotham~section}
5257     % \setbeamertemplate{headline}[default/gotham~section]
5258
5259     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5260       % True: it is already occupied, so let's emulate the gotham section
5261       \addtobeamertemplate{headline}{}{
5262         \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5263           \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
5264             \usebeamerfont{section~in~head/foot}\hspace*{3.5ex}
5265             \usebeamertemplate{section~in~head/foot}
5266           \end{beamercolorbox}
5267         }{}
5268       }
5269     }{
5270       % \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {head
5271       \__gotham_set_template:nn{headline}{default/gotham~section}
5272     }
5273     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5274     % % True: nothing to do it is already occupied.
5275     % }{
5276       \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5277     % }
5278     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5279       % True: nothing to do it is already occupied.
5280     }{
5281       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5282     }

```

```

5283 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5284   % True: nothing to do it is already occupied.
5285 }{
5286   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5287 }
5288 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5289   % True: nothing to do it is already occupied.
5290 }{
5291   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5292 }
5293 }
5294 },
5295 progressbar~position / left .code:n = {
5296 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5297   % True: nothing to do it is already done.
5298 } {
5299   % False : remember that choice in order to do not apply it several time and add to beamer
5300 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {left}
5301
5302 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5303   % True: nothing to do it is already occupied.
5304 }{
5305   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5306 }
5307 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5308 % % True: nothing to do it is already occupied.
5309 % }{
5310   \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5311 % }
5312 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5313   % True: nothing to do it is already occupied.
5314 }{
5315   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5316 }
5317 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5318   % True: nothing to do it is already occupied.
5319 }{
5320   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5321 }
5322 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5323   % True: nothing to do it is already occupied.
5324 }{
5325   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s

```



```

5326 }
5327
5328 %
5329 \addtobeamertemplate{sidebar~left}{}{
5330   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5331     \usebeamertemplate*{progress~bar~in~left}
5332   }{}
5333 }
5334 }
5335 },
5336 progressbar~position / right .code:n = {
5337   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5338     % True: nothing to do it is already done.
5339   } {
5340     % False : remember that choice in order to do not apply it several time and add to beamer
5341     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {right}
5342   }
5343   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5344     % True: nothing to do it is already occupied.
5345   }{
5346     \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5347   }
5348   % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5349   % % True: nothing to do it is already occupied.
5350   % }{
5351     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5352   % }
5353   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5354     % True: nothing to do it is already occupied.
5355   }{
5356     \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5357   }
5358   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5359     % True: nothing to do it is already occupied.
5360   }{
5361     \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5362   }
5363   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5364     % True: nothing to do it is already occupied.
5365   }{
5366     \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5367   }
5368

```

```

5369 %
5370 \addtoeamertemplate{sidebar-right}{}{
5371   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5372     \usebeamertemplate*{progress-bar-in-right}
5373   }{}
5374 }
5375 }
5376 },
5377
5378 progressbar~position / unknown .code:n = { \PackageWarning{ gotham } { The-choice-`#1'~is-unknown } }
5379 }

```

(End of definition for outer key - interface. This function is documented on page ??.)

`outer_key_interface` Controls the outer settings for progress bar style.

The following test files are used for this code: *gotham-test-049*.

```

5380 % token list to remember what is the current state
5381 \keys_define:nn { gotham / outer }{
5382   % progressbar~style default
5383   progressbar~style .choice:,
5384   progressbar~style .usage:n = { general },
5385   progressbar~style .default:n = { rectangle },
5386
5387   progressbar~style / rectangle .code:n = {
5388     %
5389     % \defbeamertemplate*{progress-bar-in-head/foot}{gotham-rectangle}
5390     \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rectangle}
5391     \__gotham_set_template:nn{progress-bar-in-left}{gotham-rectangle}
5392     \__gotham_set_template:nn{progress-bar-in-right}{gotham-rectangle}
5393   },
5394
5395   progressbar~style / rounded-box .code:n = {
5396     %
5397     \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rounded-box}
5398     \__gotham_set_template:nn{progress-bar-in-left}{gotham-rounded-box}
5399     \__gotham_set_template:nn{progress-bar-in-right}{gotham-rounded-box}
5400   },
5401
5402   progressbar~style / moving-circle .code:n = {
5403     %
5404     \bool_set_true:N \l__gotham_ProgCircleMoving_bool
5405   },
5406

```

```

5407 progressbar~style / fixed~circle .code:n = {
5408     %
5409     \bool_set_false:N \l_gotham_ProgCircleMoving_bool
5410 },
5411
5412 progressbar~style / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unkn
5413 }

```

(End of definition for outer key - interface. This function is documented on page ??.)

`outer_key_~interface` Controls the outer settings for progress bar style.

The following test files are used for this code: *gotham-test-049*.

```

5414 % token list to remember what is the current state
5415 \keys_define:nn { gotham / outer }{
5416 % progressbar~advancement default
5417 progressbar~advancement .choice:,
5418 progressbar~advancement .usage:n = { general },
5419 progressbar~advancement .default:n = { tlbr },
5420
5421 progressbar~advancement / tlbr .code:n = {
5422     %
5423     \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5424 },
5425 progressbar~advancement / TLBR .code:n = {
5426     %
5427     \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5428 },
5429
5430 progressbar~advancement / brlt .code:n = {
5431     %
5432     \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool
5433 },
5434 progressbar~advancement / BRLT .code:n = {
5435     %
5436     \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool
5437 },
5438
5439 progressbar~advancement / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~i
5440 }

```

(End of definition for outer key - interface. This function is documented on page ??.)

`outer_key_~interface` Controls the outer settings for progress bar style.

The following test files are used for this code: *gotham-test-049*.

```
5441 % token list to remember what is the current state
5442 \keys_define:nn { gotham / outer }{
5443 % progressbar~mfn default
5444 progressbar~mfn .choice:,
5445 progressbar~mfn .usage:n = { general },
5446 progressbar~mfn .default:n = { off },
5447
5448 progressbar~mfn / true .code:n = {
5449 \bool_set_true:N \l_gotham_pmf_n_bool
5450
5451 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5452 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5453 \renewcommand{\gothamPatchSectionbox}{
5454 % patch to set section box height to 0.
5455 \ht\beamer@sectionbox=0.ex
5456 \dp\beamer@sectionbox=0.ex
5457 }
5458 },
5459 progressbar~mfn / on .code:n = {
5460 \bool_set_true:N \l_gotham_pmf_n_bool
5461
5462 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5463 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5464 \renewcommand{\gothamPatchSectionbox}{
5465 % patch to set section box height to 0.
5466 \ht\beamer@sectionbox=0.ex
5467 \dp\beamer@sectionbox=0.ex
5468 }
5469 },
5470 progressbar~mfn / enable .code:n = {
5471 \bool_set_true:N \l_gotham_pmf_n_bool
5472
5473 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5474 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5475 \renewcommand{\gothamPatchSectionbox}{
5476 % patch to set section box height to 0.
5477 \ht\beamer@sectionbox=0.ex
5478 \dp\beamer@sectionbox=0.ex
5479 }
5480 },
5481
5482 progressbar~mfn / false .code:n = { \bool_set_false:N \l_gotham_pmf_n_bool },
```

```

5483 progressbar~mfn / off .code:n = { \bool_set_false:N \l_gotham_pmf_n_bool },
5484 progressbar~mfn / disable .code:n = { \bool_set_false:N \l_gotham_pmf_n_bool },
5485
5486 progressbar~mfn / unknown .code:n = { \PackageWarning{ gotham } { The-choice-`#1'-is-unknown
5487 }

```

(End of definition for outer key - interface. This function is documented on page ??.)

Default_outer_keys Apply default key options.

The following test files are used for this code: gotham-test-048.

```

5488 % when no value is given, default is called.
5489 \keys_set:nn { gotham / outer } {
5490 sidebar~canvas~right~template, sidebar~canvas~left~template,
5491 edging~default,
5492 frametitle~template, framesubtitle~template, frametitle~continuation~template,
5493 numbering,
5494 rotateFooter~default,
5495 footer~template,
5496 mini~frames~shape, mini~frames~bundle,
5497 mini~frames~compress,
5498 mini~frames~nav~spreading,
5499 mini~frames~nav~sectioning,
5500 mini~frames~nav~position,
5501 progressbar~position, progressbar~style, progressbar~advancement, progressbar~mfn,
5502 }

```

(End of definition for Default outer keys. This function is documented on page ??.)

Process_outer_keys Process package options.

The following test files are used for this code: gotham-test-048.

```

5503 \ProcessKeyOptions[ gotham / outer ]
5504 % \mode<all>

```

(End of definition for Process outer keys. This function is documented on page ??.)

```

5505 %\endinput
5506 </outer>

```

```

5507 <*package>
5508 \RequirePackage{expl3}
5509 \RequirePackage{xparse}

```

```

5510 % \RequirePackage{ifxetex}
5511 % \RequirePackage{ifluatex}
5512 % \RequirePackage{etoolbox}
5513 % \RequirePackage{xcolor}
5514 % \RequirePackage{tikz}
5515 % \RequirePackage{calc} % I think I can remove it with a bit of work
5516 % \RequirePackage{xfp}

5517 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
5518 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% PACKAGE %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
5519 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
5520 %
5521 %
5522 %
5523 \providecommand\ifratio[3]{%
5524 \ifnum#1=169%
5525 \ifdim\beamer@paperwidth=16.00cm\relax%
5526 \ifdim\beamer@paperheight=9.00cm\relax%
5527 #2%
5528 \else%
5529 #3%
5530 \fi%
5531 \else%
5532 #3%
5533 \fi%
5534 \else%
5535 \ifnum#1=43%
5536 \ifdim\beamer@paperwidth=12.80cm\relax%
5537 \ifdim\beamer@paperheight=9.60cm\relax%
5538 #2%
5539 \else%
5540 #3%
5541 \fi%
5542 \else%
5543 #3%
5544 \fi%
5545 \fi%
5546 \fi%
5547 }
5548 \providecommand\ifscreenratio[2]{%
5549 \ifdim\beamer@paperwidth=16.00cm\relax%
5550 \ifdim\beamer@paperheight=9.00cm\relax%
5551 #1%
5552 \fi%

```

```

5553 \fi%
5554 \ifdim\beamer@paperwidth=12.80cm\relax%
5555 \ifdim\beamer@paperheight=9.60cm\relax%
5556 #2%
5557 \fi%
5558 \fi%
5559 }

```

Most options are passed off to the component sub-packages.

```

5560
5561 %
5562 \usefonttheme{gotham}
5563 \usecolortheme{gotham}
5564 \useinnertheme{gotham}
5565 \useoutertheme{gotham}
5566 %
5567 %
5568 %
5569
5570 %%% Setting keys %%%
5571
5572 % set new counter for how many time the lookup is used
5573 \int_new:N \l_gotham_lookup_cnt
5574 \int_set:Nn \l_gotham_lookup_cnt {0}
5575
5576 \seq_const_from_clist:Nn \c__gotham_load_submodules_seq { font, color, inner, outer }
5577
5578 \cs_new_protected:Npn \__gotham_lookup_keymodules:nn #1#2
5579 {
5580 \int_incr:N \l_gotham_lookup_cnt
5581 % \int_show:n \l_gotham_lookup_cnt
5582
5583 % if lookup counter is lower than the number of submodules-1 [before it was +1, not complet
5584 \if_int_compare:w \l_gotham_lookup_cnt < 2
5585 %true : do nothing
5586 \else:
5587 % \int_show:n \l_gotham_lookup_cnt
5588 \seq_map_inline:Nn \c__gotham_load_submodules_seq
5589 {
5590 \keys_if_exist:nnT { gotham / ##1 } {#1}
5591 {
5592 % missing feature in l3keys, we have no better way to detect an omitted value, so we hav
5593 \tl_if_empty:nTF {#2}

```

```

5594     { \keys_set:nn { gotham / ##1 } { #1 } }
5595     { \keys_set:nn { gotham / ##1 } { #1 = {#2} } }
5596     \prg_break:
5597   }
5598 }
5599 \msg_error:nnn { gotham } { unknown-key } {#1}
5600 \prg_break_point:
5601 \fi:
5602 }
5603 \cs_generate_variant:Nn \__gotham_lookup_keymodules:nn { Vn }
5604 \msg_new:nnn { gotham } { unknown-key } { Unknown~ key~ #1~ encountered. }
5605
5606 % Property list for all groups.
5607 \prop_new:N \l__gotham_all_all_user_keys_prop
5608 \prop_const_from_keyval:Nn \c__gotham_all_pkg_keys_prop {}
5609
5610 \keys_define:nn { gotham / all / all }
5611 {
5612   unknown .code:n =
5613   { \__gotham_lookup_keymodules:Vn \l_keys_key_str {#1} }
5614 }
5615
5616 % Set default keys/options from keyval
5617 % \__gotham_set_default_from_keyval: variant, keyval, group command
5618 \cs_new_protected:Npn \__gotham_set_default_from_keyval:nnn #1 #2 #3
5619 { %%
5620 % Check if keyvalues have been given.
5621 \tl_if_novalue:nTF {#2}
5622 { % no user keys given so _user_keys_prop is taking pkg prop
5623   \prop_set_eq:cc { l__gotham_#3_#1_user_keys_prop } { c__gotham_#3_pkg_keys_prop }
5624 } { % user key given and put it in prop
5625   \prop_put_from_keyval:cn { l__gotham_#3_#1_user_keys_prop } {#2}
5626 } % end if
5627 %
5628 % xx
5629 \__gotham_set_default_auxi:cnn { l__gotham_#3_#1_user_keys_prop } {#1} {#3}
5630 %
5631 % xx
5632 \keys_set:nn { gotham/#3/#1 } { default }
5633 }
5634 %
5635 % prop-key-val, variant, group command
5636 \cs_new_protected:Npn \__gotham_set_default_auxi:Nnn #1 #2 #3

```



```

5637 {
5638 \__gotham_set_default_auxii:fnn { \prop_to_keyval:N #1 } {#2} {#3}
5639 }
5640 \cs_generate_variant:Nn \__gotham_set_default_auxi:Nnn { c }
5641 %
5642 % key-val, variant, group command
5643 \cs_new_protected:Npn \__gotham_set_default_auxii:nnn #1 #2 #3
5644 {
5645 \keys_define:nn { gotham/#3/#2 } { default .meta:n = {#1} }
5646 }
5647 \cs_generate_variant:Nn \__gotham_set_default_auxii:nnn { f }
5648 %
5649 %
5650 % (re)set keys/options by default for a group of commands.
5651 % \gothamset m:options:#1
5652 \DeclareDocumentCommand{\gothamset}{ m }
5653 {
5654 \__gotham_set_default_from_keyval:nnn { all } {#1} { all }
5655 \keys_set:nn { gotham/all/all } { default }
5656 }
5657
5658 \def\gotham@plaintitleformat#1{#1}
5659 \newcommand{\mreducelistspacing}{\vspace{-\topsep}}
5660
5661 \ProcessOptionsBeamer
5662 \keys_define:nn { gotham / font }
5663 {
5664 unknown .code:n =
5665 {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5666 }
5667 \keys_define:nn { gotham / color }
5668 {
5669 unknown .code:n =
5670 {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5671 }
5672 \keys_define:nn { gotham / inner }
5673 {
5674 unknown .code:n =
5675 {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5676 }
5677 \keys_define:nn { gotham / outer }
5678 {
5679 unknown .code:n =

```

```
5680 {\_gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5681 }
5682
5683 \ProcessKeyOptions[ gotham / font ]
5684 \ProcessKeyOptions[ gotham / color ]
5685 \ProcessKeyOptions[ gotham / inner ]
5686 \ProcessKeyOptions[ gotham / outer ]
5687
5688 %
5689
5689 %\endinput
5690 </package>
```

Change History

v0.2.0
font_messages: New 39