

GOTHAM

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

Romain NOEL

romainoel@free.fr

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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, \MacTeX , \MikTeX), 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 \MacTeX users, this usually means running

```
tlmgr update --all
```

or if administrative privileges are required

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

For \MikTeX users, please refer to [the official \$\text{\MikTeX}\$ 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	<i>on, off</i>	default: off
	Enable or disable the watermark background template by default (ie. without using <code>\begin{frame}[watermark]</code>).	
watermark template	<i>gotham draft, <your-name></i>	default: gotham draft
	Set the watermark background template to use when the <code>watermark</code> option is activated (by default or locally). If you want to use your own template, this latter should be previously defined with: <code>\defbeamertemplate{background}{watermark/<your-name>}{<your-defintion>}</code> .	
standin template	<i>gotham, <your-name></i>	default: gotham
standout template	Set the standin and stantout template to use when the <code>standin</code> or <code>stantout</code> frame option is activated. If you want to use your own template, this latter should be previously defined with: <code>\defbeamertemplate{standout}{<your-name>}{<your-defintion>}</code> .	
standin BG template	<i>gotham, <your-name></i>	default: gotham
standout BG template	Since most of the time the standin and standout are only varying from their backgrounds, Gotham offers the possibility to change only and simply these local background through this option. This option sets the standin and stantout background template to use when the <code>standin</code> or <code>stantout</code> frame option is activated. If you want to use your own template, this latter should be previously defined with: <code>\defbeamertemplate{background}{standin/<your-name>}{<your-defintion>}</code> .	
partframe default	<i>on, off</i>	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	<i>gotham progressbar, gotham simple, gotham splitvert progressbar, gotham</i>	
sectionframe template	<i>splitvert simple, gotham progressvert</i>	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 <code>\begin{frame}[part]</code>). If you want to use your own template, before giving its name to this option, your template should be defined with: <code>\defbeamertemplate{part frame}{<your-name>}{<your-defintion>}</code> .	
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-
defintion>}
\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: on

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,

subsection, subsubsection respectively). This new frame is internally using the

subsubsectiontocframe template `tocpart` frame option to activate the frame template. If you want to use your own

subsubsectiontocframe tem.. template, before giving its name to this option, your template should be defined with:

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

`\gothamtitlepagelogo` The command to insert the institute logo(s) on title page. For example, you redefine this command through:

```
\renewcommand{\gothamtitlepagelogo}{
  \includegraphics [height=#1]{<your-logo-on-titlepage>}
}
```

`\gothamtitlepagebg` The command to insert the background title page. For example, you redefine this command through:

```
\renewcommand{\gothamtitlepagebg}{
  \includegraphics [height=#1]{<your-background-on-titlepage>}
}
```

`\partContentName` The command to change the title of frames containing part (or section or subsection) table of contents. For example, you redefine this command through:

```
\renewcommand{\partContentName}{Part 's agenda}
```

`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. You change its value with `\booltrue{gothamZerosectionframes}`.

`darkBG` A boolean variables that are true with the background mode. It can be useful when you want to apply different codes according to the background you are on. You can use it as in the following example:

```
\ifbool{darkBG}{code to apply on dark background}{other code
  for light or transparent backgrounds}
```

`\gothamHookFooter` The command to add elements (like a logo) in the footer without redefining it completely. For example, you redefine this command through:

```
\renewcommand{\gothamHookFooter}{
  \usebeamertemplate{instituteLogo}
}
```

`\gothamHookPostColorBGSet` The command to change the colors that are related to the background color setting (ie. frametitle, standin, standout and titlepage). For example, you redefine this command through:

```
\renewcommand{\gothamHookPostColorBGSet}{
  \colorlet{colorFrametitle}{yourColor}
  \colorlet{colorStandout}{yourColor}
  \colorlet{colorStandin}{yourColor}
  \colorlet{colorTitlepage}{yourColor}
  \setbeamercolor{frametitle}{fg=yourRed, bg=}
}
```

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}
\setmathsfon(Digits)[Numbers={Lining, Proportional}]{
Fira Sans Light}
```

3.7 Length Customization

```
\gothamFrametitleToppading
\gothamFrametitleBottompadding
\gothamFrametitleLeftpadding
\gothamFrametitleRightpadding
```

Lengths controlling the padding around the frametitle.

```
\gothamFramesubtitleStrutend
```

Lengths controlling the padding around the frametitle.

```
\sidebarRightHOffset
```

```
\sidebarLeftHOffset
```

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

`\gothamFootlineRuleLeftPadding`
`\gothamFootlineRuleHeight`
`\gothamFootlineRuleLength`

`\gothamFootlineRuleLeftPadding` is controlling the horizontal space between the left border of the page and the left side of the rule. `\gothamFootlineRuleHeight` controls the height and `\gothamFootlineRuleLength` the length of the rule used to delimit the footer.

`\gothamFootlineHRightOffset`
`\gothamFootlineVOffset`
`\gothamFootlineHeight`
`\gothamFootlineDepth`

`\gothamFootlineHRightOffset` is controlling the horizontal space between the right border of the page and the side of the footline. `\gothamFootlineVOffset` is controlling space between to bottom of the text (or the footnote) and the footline. `\gothamFootlineHeight` and `\gothamFootlineDepth` are controlling the height and depth of the footline baseline.

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

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

`\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.

`\gothamProgressHeadFootLineheight`

`\gothamProgressHeadFootLineheight` is controlling the height of the progress bar in normal frames (or its width when it is put in side bars).

`\gothamCircleNumberingVshift`

`\gothamCircleNumberingHshift`

Lengths controlling the vertical and horizontal positioning of the `circle` frame numbering template.

`\sectionhoffset`

`\gothamProgressSectionHeight`

`\sectionhoffset` controls 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.

`\gothamProgressSectionHeight` controls the height of the progress bar used in part/-section/subsection/subsubsection frames (when progress bar are used).

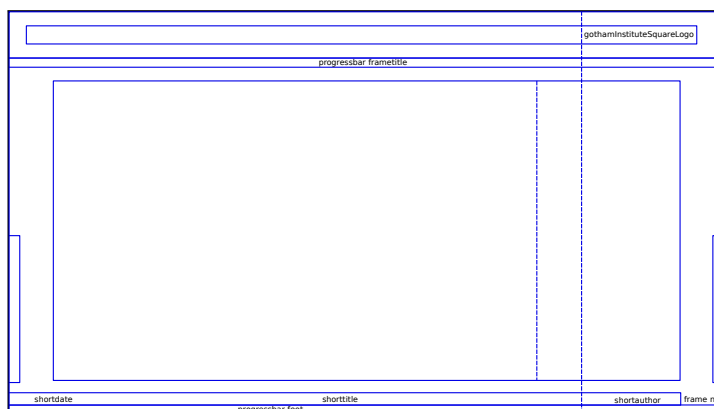


Figure 3: The layout used by **Gotham**.

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` 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 | ...]`
`\standin BG template = [default: gotham | ...]`
`\standout BG 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.

`\gothamProgressSectionHeight`

Variables used to defined the progress bar in section pages. If the vertical size of the bar want to be changed, the command `\setlength{\gothamProgressSectionHeight}{<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 `\setbeamertemplate{blocks}[rounded][shadow=true]`.

`\begin{exampleblock}`

`\begin{itemize}`

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

`\defbeamertemplate{caption}`

`\defbeamertemplate{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` `\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

`\gothamFrametitleToppading`

`\gothamFrametitleBottompadding`

`\gothamFrametitleLeftpadding`

`\gothamFrametitleRightpadding`

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

`\gothamInstituteLogoSquare[height]` `\height` [*height of the logo use in `includgraphics` (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`.

`\gothamFootlineVOffset`**`\gothamFootlineHRightOffset`****`\gothamFootlineHeight`****`\gothamFootlineDepth`**

Lengths controlling the position of `footline`. `\gothamFootlineVOffset` is controlling vertical space between to bottom of the text (or the footnote) and the `footline`. `\gothamFootlineVOffset` 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{\gothamFootlineVOffset}{-2.0ex}`. `\gothamFootlineHRightOffset` is horizontal space between the right corner and the `footline`. Obviously, it can be back to `normal` setting it to `0pt`. `\gothamFootlineHeight` and `\gothamFootlineDepth` are controlling the height 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`
`\gothamFooterHOffset` `\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`):
`<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` frame 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[\langle option1=value1, ... \rangle]{gotham}`

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

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

`\langle framesubtitle template \rangle = [default: gotham subnewline | ...]`

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

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

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

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

`\langle framesubtitle template \rangle = [default: gotham subnewline | ...]`

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

MiniFrames Navigation

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

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

`\langle mini frames compress \rangle = [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 spreading 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[\langle option1=value1, ... \rangle]{gotham}`

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

`\langle mini frames nav spreading \rangle = [default: centering | spreading | left | right]`

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

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

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

`\langle mini frames nav sectioning \rangle = [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 `progressbar 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 `progressbar 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}{2024-11-11}{1.2.0.a}{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 \providecommand{\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{page~number~in~head/foot}{size=\footnotesize}
119 \setbeamerfont{footline}{size=\scriptsize}
120
121 \setbeamerfont{block~title}{size=\normalsize, series=\bfseries}
122 \setbeamerfont{block~title~alerted}{size=\normalsize, series=\bfseries}
123 \setbeamerfont{caption}{size=\small}
124 \setbeamerfont{caption~name}{series=\bfseries}
125 \setbeamerfont{description~item}{series=\bfseries}
126
127 \setbeamerfont{bibliography~entry~author}{size=\normalsize, series=\normalfont}
128 \setbeamerfont{bibliography~entry~title}{size=\normalsize, series=\bfseries}
129 \setbeamerfont{bibliography~entry~location}{size=\normalsize, series=\normalfont}

```

```

130 \setbeamerfont{bibliography~entry~note}{size=\small, series=\normalfont}
131 \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*.

```

132 \def\gotham@titleformat#1{#1}
133 \def\gotham@subtitleformat#1{#1}
134 \def\gotham@parttitleformat#1{#1}
135 \def\gotham@sectiontitleformat#1{#1}
136 \def\gotham@subsectiontitleformat#1{#1}
137 \def\gotham@frametitleformat#1{#1}
138 \def\gotham@framesubtitleformat#1{#1}
139 % IF ONE DAY: I can patch beamer with expl3, I will use the following commands instead.
140 % %% \cs_new:Npn \_gotham_unchanged:n #1 {#1}
141 % %% \cs_new:Npn \_gotham_title_format:n #1 {#1}
142 % %% \cs_new:Npn \_gotham_subtitle_format:n #1 {#1}
143 % %% \cs_new:Npn \_gotham_part_title_format:n #1 {#1}
144 % %% \cs_new:Npn \_gotham_section_title_format:n #1 {#1}
145 % %% \cs_new:Npn \_gotham_subsection_title_format:n #1 {#1}
146 % %% \cs_new:Npn \_gotham_frametitle_format:n #1 {#1}
147 % %% \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*.

```

148 \ExplSyntaxOff
149 \patchcmd{\beamer@title}
150 {\def\inserttitle{#2}}
151 {\def\inserttitle{\gotham@titleformat{#2}}}
152 % {\def\inserttitle{\_gotham_title_format:n{#2} }}
153 {}
154 {\PackageError{beamerfontthemegotham}{Patching~title~failed}\@ehc}

```

```

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

```

```

198 %% {}
199 %% \patchcmd{\beamer@section} % beamerbasesection.sty 1. 209
200 %% {\protected@edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{#1}}}
201 %% {\protected@edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpand
202 %% % \exp_not:N \__gotham_subsection_title_format:n {#1}
203 %% {\@tempswatrue}
204 %% {}
205 %% \if@tempswa\else
206 %% {\PackageError{beamerfontthemegotham}{Patching~subsection~title~failed}\@ehc}
207 %% \fi%
208 %% \@tempswafalse
209 %
210 %
211 % Similarly, to make the |\MakeLowercase| and |\MakeUppercase| macros work in the frame titl
212 \providecommand{\beamer@insertframetitlecontinuation}{
213 \usebeamertemplate*{frametitle~continuation}
214 }
215 \patchcmd{\beamer@@frametitle} % beamerbaselocalstructure.sty 1. 32
216 {\gdef\insertframetitle{%
217 #2%
218 \ifnum\beamer@autobreakcount>0
219 \relax{}\space%
220 \beamer@insertframetitlecontinuation%
221 \fi%
222 }}%
223 }
224 {\gdef\insertframetitle{%
225 \gotham@frametitleformat{#2}%
226 % \__gotham_frametitle_format:n {#2}
227 \ifnum\beamer@autobreakcount>0
228 \relax{}\space%
229 \beamer@insertframetitlecontinuation%
230 \fi%
231 }}%
232 }
233 {}
234 {\PackageWarning{beamerfontthemegotham}{Patching~frametitle~failed}\@ehc}
235 %
236 %% NOT WORKING YET !
237 %% \patchcmd{\framesubtitle} % beamerbaselocalstructure.sty 1.55
238 %% {\only#2{\ifblank{#1}{}}{\gdef\insertframesubtitle{#{1}}\beamer@aftersubtitle}}
239 %% {\only{#2}{\ifblank{#1}{}}{\gdef\insertframesubtitle{#{1}}\beamer@aftersubtitle}}
240 %% {}

```

```

241 %% {\PackageWarning{beamerfontthemegotham}{Patching-framesubtitle-failed}\@ehc}
242 %
243 \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*.

```

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

```



```

277 % shape title
278 shape~title .choice:,
279 shape~title .usage:n = { general },
280 shape~title .default:n = { regular },
281 shape~title / regular .code:n =
282 {
283   \setbeamerfont{title}{shape=\normalfont}
284 },
285 shape~title / smallcaps .code:n =
286 {
287   \setbeamerfont{title}{shape=\scshape}
288 },
289 shape~title / italic .code:n =
290 {
291   \setbeamerfont{title}{shape=\itshape}
292 },
293 shape~title / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'
294 }
295
296 \keys_define:nn { gotham / font }
297 {
298   % format subtitle
299   format~subtitle .choice:,
300   format~subtitle .usage:n = { general },
301   format~subtitle .default:n = { regular },
302   format~subtitle / regular .code:n =
303   {
304     \let\gotham@subtitleformat\@empty
305     % \cs_set_eq:NN \__gotham_subtitle_format:n \__gotham_unchanged:n
306   },
307   format~subtitle / lower .code:n =
308   {
309     \let\gotham@subtitleformat \text_lowercase:n %\lowercase
310     % \cs_set_eq:NN \__gotham_subtitle_format:n \text_lowercase:n
311     \PackageWarning{ gotham } { Be~aware~that~format~subtitle=lower~can~lead~to~problems. }
312   },
313   format~subtitle / upper .code:n =
314   {
315     \let\gotham@subtitleformat \text_uppercase:n %\uppercase
316     \cs_set_eq:NN \__gotham_subtitle_format:n \text_uppercase:n
317     \PackageWarning{ gotham } { Be~aware~that~format~subtitle=upper~can~lead~to~problems. }
318   },
319   format~subtitle / titlecase .code:n =

```

```

320 {
321 \let\gotham@subtitleformat \text_titlecase_all:n %\MakeTitlecase
322 % \cs_set_eq:NN \__gotham_subtitle_format:n \text_titlecase_all:n %\MakeTitlecase
323 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=titlecase-can-lead-to-problems.
324 },
325 format~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_value
326 }
327 \keys_define:nn { gotham / font }
328 {
329 % shape subtitle
330 shape~subtitle .choice:,
331 shape~subtitle .usage:n = { general },
332 shape~subtitle .default:n = { regular },
333 shape~subtitle / regular .code:n =
334 {
335 \setbeamerfont{subtitle}{shape=\normalfont}
336 },
337 shape~subtitle / smallcaps .code:n =
338 {
339 \setbeamerfont{subtitle}{shape=\scshape}
340 },
341 shape~subtitle / italic .code:n =
342 {
343 \setbeamerfont{subtitle}{shape=\itshape}
344 },
345 shape~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_value
346 }
347
348 \keys_define:nn { gotham / font }
349 {
350 % format frametitle
351 format~frametitle .choice:,
352 format~frametitle .usage:n = { general },
353 format~frametitle .default:n = { regular },
354 format~frametitle / regular .code:n =
355 {
356 \let\gotham@frametitleformat\@empty
357 % \cs_set_eq:NN \__gotham_frametitle_format:n \__gotham_unchanged:n
358 },
359 format~frametitle / lower .code:n =
360 {
361 \let\gotham@frametitleformat \text_lowercase:n %\lowercase
362 % \cs_set_eq:NN \__gotham_frametitle_format:n \text_lowercase:n

```

```

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

```

```

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

```

```

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

```

```

492 },
493 shape~part / smallcaps .code:n =
494 {
495   \setbeamerfont{part~title}{shape=\scshape}
496 },
497 shape~part / italic .code:n =
498 {
499   \setbeamerfont{part~title}{shape=\itshape}
500 },
501 shape~part / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~
502 }
503
504 \keys_define:nn { gotham / font }
505 {
506   % format section
507   format~section .choice:,
508   format~section .usage:n = { general },
509   format~section .default:n = { regular },
510   format~section / regular .code:n =
511   {
512     \let\gotham@sectiontitleformat\@empty
513     % \cs_set_eq:NN \__gotham_section_title_format:n \__gotham_unchanged:n
514   },
515   format~section / lower .code:n =
516   {
517     \let\gotham@sectiontitleformat \text_lowercase:n %\lowercase
518     % \cs_set_eq:NN \__gotham_section_title_format:n \text_lowercase:n
519     \PackageWarning{ gotham } { Be~aware~that~format~section=lower~can~lead~to~problems. }
520   },
521   format~section / upper .code:n =
522   {
523     \let\gotham@sectiontitleformat \text_uppercase:n %\uppercase
524     % \cs_set_eq:NN \__gotham_section_title_format:n \text_uppercase:n
525     \PackageWarning{ gotham } { Be~aware~that~format~section=upper~can~lead~to~problems. }
526   },
527   format~section / titlecase .code:n =
528   {
529     \let\gotham@sectiontitleformat \text_titlecase_all:n %\Maketitlecase
530     % \cs_set_eq:NN \__gotham_section_title_format:n \text_titlecase_all:n
531     \PackageWarning{ gotham } { Be~aware~that~format~section=titlecase~can~lead~to~problems. }
532   },
533   format~section / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value
534 }

```

```

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

```

```

578 },
579 format~subsection / titlecase .code:n =
580 {
581 \let\gotham@subsectiontitleformat\text_titlecase_all:n %\Maketitlecase
582 % \cs_set_eq:NN \__gotham_subsection_title_format:n \text_titlecase_all:n
583 \PackageWarning{ gotham } { Be-aware-that-format~subsection=titlecase-can-lead-to-problems
584 },
585 format~subsection / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_val
586 }
587 \keys_define:nn { gotham / font }
588 {
589 % shape subsection
590 shape~subsection .choice:,
591 shape~subsection .usage:n = { general },
592 shape~subsection .default:n = { regular },
593 shape~subsection / regular .code:n =
594 {
595 \setbeamerfont{subsection~title}{shape=\normalfont}
596 },
597 shape~subsection / smallcaps .code:n =
598 {
599 \setbeamerfont{subsection~title}{shape=\scshape}
600 },
601 shape~subsection / italic .code:n =
602 {
603 \setbeamerfont{subsection~title}{shape=\itshape}
604 },
605 shape~subsection / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_valu
606 }

```

(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.

```

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

```



```
616 }
```

(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.

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

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

```
618 %\endinput
```

```
619 </font>
```

```
620 <*color>
```

```
621 \ProvidesExplPackage{beamercolorthemegotham}{2024-11-11}{1.2.0.a}{Gotham color theme}
```

```
622 \RequirePackage{expl3}
```

```
623 \RequirePackage{xparse}
```

```
624 \RequirePackage{xcolor}
```

COLOR

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

`colors_definition`

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

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

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

```
628 \definecolor[named]{gDeepYellOr}{RGB}{255, 204, 0}
```

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

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

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

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

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

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

```
635 \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`

```
636 % Define the color palette
```

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

```
638 % default colorset.
```

```

639 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
640 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
641 \colorlet{colorA}{gAnthracite} % frametitle, standin.out,
642 \colorlet{colorAreversed}{gLightTeal} % frametitle, standin.in,
643 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
644 \colorlet{colorC}{gDeepYellOr} % progress bar
645 \colorlet{colorD}{gLightOrange} % alert
646 \colorlet{colorE}{gLightGreen} % example
647 }{
648 % else nothing to do, colors are already defined.
649 }
650 \providecommand{\gothamHookPostColorBGSet}{}

```

(End of definition for `\colorlet{colorPale}` and set gotham palette colors. These variables are documented on page 27.)

`_gotham_color_set_style_anthracite:`

Command to activate anthracite colorset.

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

```

651 \cs_new_protected:Nn \_gotham_color_set_style_anthracite:{
652 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
653 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
654 \colorlet{colorA}{gAnthracite} % frametitle, standin.out,
655 \colorlet{colorAreversed}{gLightTeal} % frametitle, standin.in,
656 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
657 \colorlet{colorC}{gDeepYellOr} % progress bar
658 \colorlet{colorD}{gLightOrange} % alert
659 \colorlet{colorE}{gLightGreen} % example
660 }

```

`_gotham_color_set_style_red:`

Command to activate red colorset.

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

```
661 \cs_new_protected:Nn \_gotham_color_set_style_red:{
662 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
663 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
664 \colorlet{colorA}{red} % frametitle, standin.out,
665 \colorlet{colorAreversed}{gLightTeal} % frametitle, standin.in,
666 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
667 \colorlet{colorC}{gDeepYellOr} % progress bar
668 \colorlet{colorD}{gLightOrange} % alert
669 \colorlet{colorE}{gLightGreen} % example
670 }
```

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

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

(End of definition for `\colorlet{colorBG}{colorPale}` and set functional colors. These variables are documented on page 27.)

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

```
683 % \providebool{reversedColor}
684 % \boolfalse{reversedColor}
685 \providebool{darkBG}
686 \boolfalse{darkBG}
687 \providebool{transparentBG}
688 \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.

```
689 \cs_new_protected:Nn \_gotham_color_set_darkBG:{
690 \setbeamercolor{normal~text}{%
691   fg=colorBG,
692   bg=colorFG,
693 }%
694 \usebeamercolor[fg]{normal~text}%
695 \booltrue{darkBG}%
696 \boolfalse{transparentBG}
697 \colorlet{colorFrametitle}{colorAreversed}
698 \colorlet{colorStandout}{colorAreversed}
699 \colorlet{colorStandin}{colorFG}
700 \colorlet{colorTitlepage}{colorAreversed}
701 %%% adapt and reload
702 % \colorlet{colorBG}{colorPale}
703 % \colorlet{colorFG}{colorDark}
704 % \colorlet{colorFiligrane}{colorB}
705 % \colorlet{colorBackElement}{colorB}
706 % \colorlet{colorProgBar}{colorC}
707 % \colorlet{colorAlert}{colorD}
708 % \colorlet{colorExample}{colorE}
709 %%% dark
710 \setbeamercolor{primary~palette}{% reversed color compared to normal text
711   use=normal~text,
712   fg=normal~text.bg,
713   bg=normal~text.fg
714 }
715 \gothamHookPostColorBGSet{}
716 }
```

`_gotham_color_set_lightBG:`

Command to activate light background.

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

```
717 \cs_new_protected:Nn \_gotham_color_set_lightBG:{
718 \setbeamercolor{normal~text}{
719   fg=colorFG,
720   bg=colorBG
721 }
722 \usebeamercolor[fg]{normal~text}
723 \boolfalse{darkBG}
724 \boolfalse{transparentBG}
725 \colorlet{colorFrametitle}{colorA}
726 \colorlet{colorStandout}{colorA}
727 \colorlet{colorStandin}{colorBG}
728 \colorlet{colorTitlepage}{colorA}
729 %%%% adapt and reload
730 % \colorlet{colorBG}{colorPale}
731 % \colorlet{colorFG}{colorDark}
732 % \colorlet{colorFiligrane}{colorB}
733 % \colorlet{colorBackElement}{colorB}
734 % \colorlet{colorProgBar}{colorC}
735 % \colorlet{colorAlert}{colorD}
736 % \colorlet{colorExample}{colorE}
737 %%% light
738 \setbeamercolor{primary~palette}{
739   % reversed color compared to normal text
740   use=normal~text,
741   fg=normal~text.bg,
742   bg=normal~text.fg
743 }
744 \gothamHookPostColorBGSet{}
745 }
```

`_gotham_color_set_transparentBG:`

Command to activate transparent background.

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

```
746 % \providecommand{\gotham@colors@transparent}{  
747 \cs_new_protected:Nn \_gotham_color_set_transparentBG:{  
748 \setbeamercolor{normal~text}{  
749   fg=colorFG,  
750   bg=,  
751 }  
752 \usebeamercolor[fg]{normal~text}  
753 \boolfalse{darkBG}  
754 \booltrue{transparentBG}  
755 \colorlet{colorFrametitle}{colorA}  
756 \colorlet{colorStandout}{colorA}  
757 {\usebeamercolor[bg]{normal~text}\colorlet{colorStandin}{bg}}% this is not working because  
758 % \usebeamercolor{normal~text} % reset % NOT working neither  
759 \colorlet{colorStandin}{colorBG} % since the two previous lines are not working, let define  
760 \colorlet{colorTitlepage}{colorA}  
761 % %% adapt and reload  
762 % \colorlet{colorBG}{colorPale}  
763 % \colorlet{colorFG}{colorDark}  
764 % \colorlet{colorFiligrane}{colorB}  
765 % \colorlet{colorBackElement}{colorB}  
766 % \colorlet{colorProgBar}{colorC}  
767 % \colorlet{colorAlert}{colorD}  
768 % \colorlet{colorExample}{colorE}  
769 %%% like light background.  
770 \setbeamercolor{primary-palette}{  
771   % reversed color compared to normal text  
772   use=normal~text,  
773   fg=colorBG,  
774   bg=normal~text.fg  
775 }  
776 \gothamHookPostColorBGSet{  
777 }
```

`_gotham_color_set_transparent_block:`

Command to activate transparent block.

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

```
778 \cs_new_protected:Nn \_gotham_color_set_transparent_block:{
779 \setbeamercolor{block~title}{
780   use=normal~text,
781   fg=normal~text.fg,
782   bg=
783 }
784 \setbeamercolor{block~body}{
785   bg=
786 }
787 \setbeamercolor{alerted~text}{
788   fg=colorAlert
789 }
790 \setbeamercolor{example~text}{
791   fg=colorExample
792 }
793 \setbeamercolor{block~title~example}{
794   use={block~title, example~text},
795   bg=block~title.bg,
796   fg=example~text.fg
797 }
798 \setbeamercolor{block~title~alerted}{
799   use={block~title, alerted~text},
800   bg=block~title.bg,
801   fg=alerted~text.fg
802 }
803 }
```

`_gotham_color_set_fill_block:`

Command to activate fill block.

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

```
804 \cs_new_protected:Nn \_gotham_color_set_fill_block:{
805 \setbeamercolor{block~title}{
806 fg=colorBackElement!10!normal~text.fg,
807 bg=colorBackElement!135!fg
808 }
809 \setbeamercolor{block~body}{
810 use={block~title, normal~text},
811 bg=block~title.bg!50!normal~text.bg
812 }
813 \setbeamercolor{alerted~text}{
814 fg=colorAlert
815 }
816 \setbeamercolor{example~text}{
817 fg=colorExample
818 }
819 \setbeamercolor{block~title~example}{
820 use={block~title, example~text},
821 bg=block~title.bg,
822 fg=example~text.fg
823 }
824 \setbeamercolor{block~title~alerted}{
825 use={block~title, alerted~text},
826 bg=block~title.bg,
827 fg=alerted~text.fg
828 }
829 }
```

`_gotham_color_set_native_block:`

Command to activate native block.

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

```
830 \cs_new_protected:Nn \_gotham_color_set_native_block:{
831 \setbeamercolor{block~title}{
832   fg=colorPale,
833   bg=colorBackElement!90!fg
834 }
835 \setbeamercolor{block~body}{
836   use={block~title, normal~text},
837   bg=block~title.bg!50!normal~text.bg
838 }
839 \setbeamercolor{alerted~text}{
840   fg=colorAlert
841 }
842 % With native block, we have to let alerted text with a visible color (not pale) to keep al
843 % So, we have to create an extra color: alertedBlock~text.
844 \setbeamercolor{alertedBlock~text}{
845   fg=colorPale
846 }
847 \setbeamercolor{example~text}{
848   fg=colorPale
849 }
850 \setbeamercolor{block~title~alerted}{
851   use={block~title, alertedBlock~text},
852   bg=colorAlert,
853   fg=alertedBlock~text.fg
854 }
855 \setbeamercolor{block~title~example}{
856   use={block~title, example~text},
857   bg=colorExample,
858   fg=example~text.fg
859 }
860 }
```

`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.

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

```

862 \setbeamercolor{progress~bar}{
863   use=alerted~text,
864   fg=colorProgBar,
865   bg=alerted~text.fg!50!black!30
866 }

```

(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`.

```

867 \setbeamercolor{titlelike}{use=normal~text, parent=normal~text}
868 \setbeamercolor{author}{use=normal~text, parent=normal~text}
869 \setbeamercolor{date}{use=normal~text, parent=normal~text}
870 \setbeamercolor{institute}{use=normal~text, parent=normal~text}
871 \setbeamercolor{frametitle}{
872   use=primary~palette,
873   parent=primary~palette,
874   bg=colorFrametitle
875 }
876 % The Gotham inner or outer themes optionally display progress bars in various locations.
877 % Their color is set by |progress bar| but the two different kinds can be customized separately.
878 % The horizontal rule on the title page is also set based on the progress bar color and can
879 \setbeamercolor{title~separator}{
880   use=progress~bar,
881   parent=progress~bar
882 }
883 \setbeamercolor{progress~bar~in~head/foot}{%
884   use=progress~bar,
885   parent=progress~bar
886 }
887 \setbeamercolor{progress~bar~in~part~page}{
888   use=progress~bar,
889   parent=progress~bar
890 }
891 \setbeamercolor{progress~bar~in~section~page}{
892   use=progress~bar,
893   parent=progress~bar
894 }
895 \setbeamercolor{progress~bar~in~splitvert}{

```

```

896 use=progress~bar,
897 parent=progress~bar
898 }
899 % \setbeamercolor{progress~bar~in~subsection~page}{
900 % use=progress~bar,
901 % parent=progress~bar
902 % }
903 % \setbeamercolor{progress~bar~in~subsubsection~page}{
904 % use=progress~bar,
905 % parent=progress~bar
906 % }
907 %
908 % Blocks
909 \setbeamercolor{block~body~alerted}{use=block~body, parent=block~body}
910 \setbeamercolor{block~body~example}{use=block~body, parent=block~body}
911 %
912 % Footnote
913 \setbeamercolor{footnote}{fg=normal~text.fg!90}
914 \setbeamercolor{footnote~mark}{fg=.}
915 %
916 % Bibliography
917 %
918 % We also reset the bibliography colors in order to pick up the surrounding colors at the ti
919 % This prevents us having to set the correct color in normal and standout mode.
920 % \setbeamercolor{bibliography entry author}{fg=, bg=}
921 % \setbeamercolor{bibliography entry title}{fg=, bg=}
922 % \setbeamercolor{bibliography entry location}{fg=, bg=}
923 % \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.

```

924 % \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
925 \setbeamercolor{frametitleSection}{use=structure,fg=structure.bg}
926
927 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
928 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
929
930 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
931 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
932 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
933 \setbeamercolor{footlineRule}{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*.

```
934 \keys_define:nn { gotham / color }
935 {
936 % block
937 block .choice:,
938 block .usage:n = { general },
939 block .default:n = { native },
940 block / native .code:n = { \__gotham_color_set_native_block: },
941 block / transparent .code:n = { \__gotham_color_set_transparent_block: },
942 block / fill .code:n = { \__gotham_color_set_fill_block: },
943 block / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is~un
944 }
945
946 \keys_define:nn { gotham / color }
947 {
948 % background
949 background .choice:,
950 background .usage:n = { general },
951 background .default:n = { transparent },
952 background / transparent .code:n = { \__gotham_color_set_transparentBG: },
953 background / light .code:n = { \__gotham_color_set_lightBG: },
954 background / dark .code:n = { \__gotham_color_set_darkBG: },
955 background / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is~un
956 }
957
958 \keys_define:nn { gotham / color }
959 {
960 % colorset
961 colorset .choice:,
962 colorset .usage:n = { general },
963 colorset .default:n = { anthracite },
964 colorset / anthracite .code:n = { \__gotham_color_set_style_anthracite: },
965 colorset / red .code:n = { \__gotham_color_set_style_red: },
966 % colorset / blue .code:n = { },
967 % colorset / green .code:n = { },
968 % colorset / orange .code:n = { },
969 % colorset / teal .code:n = { },
970 colorset / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is~un
```

```
971 }
```

(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.

```
972 % when no value is given, default is called.
973 \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.

```
974 \ProcessKeyOptions[ gotham / color ]
975 \mode<all>
```

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

```
976 %\endinput
977 </color>
```

```
978 <*inner>
979 \ProvidesExplPackage{beamerinnerthemegotham}{2024-11-11}{1.2.0.a}{gotham inner theme}
980 \RequirePackage{expl3}
981 \RequirePackage{xparse}
982 \RequirePackage{calc}
983 \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.

```

984 \@ifundefined{\string\color@colorProgBar}{
985 \providebool{darkBG} \boolfalse{darkBG}
986 \providebool{transparentBG} \booltrue{transparentBG}
987 \colorlet{colorBG}{white}
988 \colorlet{colorFG}{black}
989 \colorlet{colorFrametitle}{purple}
990 \colorlet{colorStandout}{purple}
991 \colorlet{colorStandin}{purple}
992 \colorlet{colorTitlepage}{purple}
993 \colorlet{colorFiligrane}{gray}
994 \colorlet{colorBackElement}{gray}
995 \colorlet{colorProgBar}{orange}
996 \colorlet{colorAlert}{red}
997 \colorlet{colorExample}{green}
998 \setbeamercolor{progress~bar}{
999   use=alerted~text,
1000  fg=colorProgBar,
1001  bg=alerted~text.fg!50!black!30
1002 }
1003 \setbeamercolor{progress~bar~in~head/foot}{%
1004   use=progress~bar,
1005   parent=progress~bar
1006 }
1007 \setbeamercolor{progress~bar~in~part~page}{
1008   use=progress~bar,
1009   parent=progress~bar
1010 }
1011 \setbeamercolor{progress~bar~in~section~page}{
1012   use=progress~bar,
1013   parent=progress~bar
1014 }
1015 \setbeamercolor{progress~bar~in~splitvert}{
1016   use=progress~bar,

```

```

1017   parent=progress~bar
1018   }
1019   \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
1020   \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
1021   \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
1022   \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
1023   \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
1024   \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
1025   }{
1026   % else the colors are defined: this is fine.
1027   }

```

(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.

```

1028 \def\maketitle{
1029   \ifbeamer@inframe
1030   \titlepage
1031   \else
1032   \frame[plain, c, noframenubering]{\titlepage}
1033   \fi
1034   }
1035 \def\titlepage{
1036   % \setkeys{beamerframe}{c} % no effect
1037   % \setkeys{beamerframe}{plain} % no effect
1038   % \setbeamertemplate{footline}[empty] % no effect
1039   % \setkeys{beamerframe}{nofootline} % create error of unclosed env
1040   \usebeamertemplate{title~page}
1041   }

```

(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.

```

1042 \defbeamertemplate*{title~graphic}{gotham}{
1043   % \vbox to Opt {% %%%% MODIFIED !

```

```

1044 \vbox{
1045   % \vspace*{2em} %%%% COMMENT ADDED !
1046   \inserttitlegraphic
1047 }
1048 \nointerlineskip
1049 }
1050 \defbeamertemplate*{title}{gotham}{
1051   %\raggedright% %%%% COMMENT ADDED !
1052   \linespread{1.0}
1053   \inserttitle
1054   \par
1055   \vspace*{0.5em}
1056 }
1057 \defbeamertemplate*{subtitle}{gotham}{
1058   %\raggedright% %%%% COMMENT ADDED !
1059   \insertsubtitle
1060   \par
1061   \vspace*{0.5em}
1062 }
1063 \defbeamertemplate*{author}{gotham}{
1064   \vspace*{1.em}
1065   \insertauthor
1066   \par
1067   \vspace*{0.25em}
1068 }
1069 \defbeamertemplate*{date}{gotham}{
1070   \insertdate
1071   \par
1072 }
1073 \defbeamertemplate*{institute}{gotham}{
1074   \vspace*{3mm}
1075   \insertinstitute
1076   \par
1077 }

```

(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
1078 \dim_new:N \l__gotham_titleseparator_width_dim
1079 \dim_set:Nn \l__gotham_titleseparator_width_dim {\textwidth}
1080 \dim_new:N \l__gotham_titleseparator_height_dim
1081 \dim_set:Nn \l__gotham_titleseparator_height_dim {2pt}

```



```

1082 % \newlength{\titlewidth}
1083 % \newlength{\subtitlewidth}
1084 % \newlength{\maxwidth}
1085 \dim_new:N \l__gotham_title_width_dim
1086 \dim_new:N \l__gotham_subtitle_width_dim
1087 \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.

```

1088 \defbeamertemplate*{title~separator}{gotham}{
1089   \begin{tikzpicture}
1090     % \fill[fg] (0,0) rectangle (\gotham@titleseparator@linewidth, \gotham@titleseparator@lineheight)
1091     \fill[fg] (0,0) rectangle
1092       (\dim_use:N \l__gotham_titleseparator_width_dim,
1093        \dim_use:N \l__gotham_titleseparator_height_dim);
1094   \end{tikzpicture}
1095   \par
1096 }

```

(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*.

```

1097 \providecommand{\gothamtitlepagelogo}{}

```

(End of definition for `\gothamtitlepagelogo`. This variable is documented on page 28.)

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

```

1098 \providecommand{\gothamtitlepagebg}{}

```

(End of definition for `\gothamtitlepagebg`. This variable is documented on page 28.)

`\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*.

```

1099
1100 % Beamer’s definition of |\insertauthor| is always nonempty, so we have to test another macro
1101 % This solution was suggested by Sam Carter in an answer to \href{https://tex.stackexchange.com/questions/1101/insertauthor-is-always-nonempty}{https://tex.stackexchange.com/questions/1101/insertauthor-is-always-nonempty}
1102

```

```

1103 \defbeamertemplate{title~page}{gotham~normal}{
1104 \ifx\insertframetitle\@empty\else\vspace*{-3em}\fi
1105 \begin{picture}(0,0)
1106 % The text: title, author, institute, etc.
1107 \put(-30,-125){\noindent
1108 \fcolorbox{normal~text.bg}{normal~text.bg}{
1109 \begin{minipage}[b][\paperheight]{\paperwidth}
1110 \parbox[c][0pt][c]{0pt}{\gothamtitlepagebg}
1111 \centering
1112 \vfill
1113 \ifx\inserttitle\@empty\else
1114 \parbox{0.9\textwidth}{\centering
1115 \usebeamertemplate*{title}
1116 }\\[1.ex]
1117 \fi
1118 \ifx\insertsubtitle\@empty\else
1119 \parbox{0.9\textwidth}{\centering
1120 \usebeamertemplate*{subtitle}
1121 }\\[2.ex]
1122 \fi
1123 % \hspace*{-0pt}
1124 \usebeamertemplate*{title~separator}
1125 % from above patch
1126 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1127 % empty author
1128 \vspace*{1.em}
1129 }{
1130 \usebeamertemplate*{author}
1131 }
1132 % \ifx\insertauthor\empty Empty~Author\else TT \fi
1133 \ifx\insertdate\@empty\else\usebeamertemplate*{date}\fi
1134 \ifx\insertinstitute\@empty\else{\parbox{0.9\textwidth}{\raggedright\usebeamertemplate*{
1135 \vfill
1136 \vbox{}
1137 \end{minipage}
1138 }
1139 % end third argument of fcolorobx
1140 }
1141
1142 % the institute logo on title page
1143 \put(234,-120){
1144 \gothamtitlepagelogo
1145 }

```

```

1146
1147 % the extra logos on title page (\inserttitlegraphic)
1148 \put(-27,-123){
1149   \noindent\vbox{
1150     \begin{minipage}[b][0.96\paperheight]{0.899\textwidth}
1151       \ifx\inserttitlegraphic\@empty\else\usebeamertemplate*{title~graphic}\fi
1152     \end{minipage}
1153   }
1154 }
1155 \end{picture}
1156 }

```

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

`\beamertemplate{title-page}{gotham-reversed}` With a similarly layout to gotham normal, but this template inverts 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*.

```

1157 \defbeamertemplate{title-page}{gotham-reversed}{
1158   \begin{picture}(0,0)
1159     % The background picture
1160     \put(-28,-128){\gothamtitlepagebg}
1161
1162     % The text: title, author, institute, etc.
1163     \put(-4,-125){\noindent
1164       % \fcolorbox{declared-color-frame}{declared-color-background}{text}
1165       \ifbool{darkBG}{
1166         % Dark true
1167         \setbeamercolor{normal~text}{fg=colorFG, }
1168         \fcolorbox{colorPale}{colorPale}% reversed
1169       }{
1170         % Light
1171         \setbeamercolor{normal~text}{fg=colorBG, }
1172         \fcolorbox{colorTitlepage}{colorTitlepage}% reversed
1173       }% end if
1174     {
1175       % begin third argument of fcolorobx
1176       %\fcolorbox{normal~text.fg}{normal~text.fg}{
1177       \begin{minipage}[b][\paperheight]{\textwidth}
1178         \centering
1179         \vfill
1180         \ifx\inserttitle\@empty\else\usebeamertemplate*{title}\fi
1181         \ifx\insertsubtitle\@empty\else\usebeamertemplate*{subtitle}\fi

```

```

1182     \usebeamertemplate*{title~separator}
1183     \expandafter\ifblank\expandafter{\beamer@andstripped}{
1184       % empty author
1185       \vspace*{1.em}
1186     }{
1187       \usebeamertemplate*{author}
1188     }
1189     \ifx\insertdate\@empty\else\usebeamertemplate*{date}\fi
1190     \ifx\insertinstitute\@empty\else{\parbox{0.9\textwidth}{\raggedright\usebeamertemplate*
1191     \vfill
1192     \vbox{}
1193     \end{minipage}
1194   }
1195   % end third argument of fcolorobx
1196 }
1197
1198 % the institute logo on title page
1199 \put(234,-120){
1200   \gothamtitlepagelogo
1201 }
1202
1203 % the extra logos on title page (\inserttitlegraphic)
1204 \put(-27,-123){
1205   \noindent\vbox{
1206     \begin{minipage}[b][0.96\paperheight]{0.899\textwidth}
1207       \ifx\inserttitlegraphic\@empty\else\usebeamertemplate*{title~graphic}\fi
1208     \end{minipage}
1209   }
1210 }
1211 \end{picture}
1212 }

```

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

`\amertemplate{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`.

```

1213 \defbeamertemplate{title~page}{gotham-dividedpic}{
1214   \long\def\tmpEmpty{}
1215   \def\titlecontent{\usebeamerfont{title}\usebeamercolor[fg]{title}\inserttitle}
1216   \def\subtitlecontent{\usebeamerfont{subtitle}\usebeamercolor[fg]{subtitle}\insertsubtitle}
1217   \settowidth\l_gotham_title_width_dim\titlecontent

```

```

1218 \settowidth\l__gotham_subtitle_width_dim\subtitlecontent
1219 \setlength\l__gotham_title_max_width_dim{\ifdim\l__gotham_title_width_dim>\l__gotham_subtit
1220 % \thispagestyle{navigation@titlepage}
1221 \begin{minipage}{.55\textwidth}
1222 \raggedright
1223 \titlecontent\\
1224 \subtitlecontent\\
1225 % \textcolor{accent}{\rule{\ifdim\l__gotham_title_max_width_dim<.55\textwidth\l__gotham_t
1226 \textcolor{colorProgBar}{\rule{\ifdim\l__gotham_title_max_width_dim<.55\textwidth\l__gotha
1227 \usebeamerfont{author}\usebeamercolor[fg]{author}
1228 \insertauthor\\
1229 % \ifx\insertauthor\empty\else
1230 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1231 % empty author
1232 \vspace*{1.em}
1233 }{
1234 \usebeamerfont{author}\usebeamercolor[fg]{author}
1235 \insertshortauthor
1236 \vspace{2em}
1237 }
1238 % \fi
1239 \ifx\insertinstitute\@empty\else{
1240 \usebeamertemplate*{institute}\vspace{2em}
1241 }\fi
1242 \insertdate
1243 \end{minipage}
1244
1245 % \ifdefined\@background
1246 \begin{tikzpicture}[remember=picture, overlay]
1247 \clip (current~page.south~east)
1248 -- (current~page.north~east)
1249 -- ++(-5.1, 0)
1250 -- ++(-3, -\paperheight)
1251 -- cycle;
1252
1253 \ifx\gothamtitlepagebg\tmpEmpty
1254 \fill[
1255 % path~fading=title~page~picture~fading,
1256 % left~color=\ifbool{darkBG}{colorDark!200}{colorPale!100},
1257 right~color=colorTitlepage!100,%\ifbool{darkBG}{colorPale!100}{colorDark!100},
1258 % fading~angle=-15,
1259 ]
1260 (current~page.south~east)

```

```

1261   rectangle
1262   ++(\dimexpr-0.55\paperwidth, \dimexpr\paperheight+1cm);
1263   \else
1264   \node[
1265     anchor=south-east,
1266     inner-sep=0,
1267     outer-sep=0
1268   ] at (current~page.south-east) {
1269     % \includegraphics[height=\paperheight]{\@background}
1270     \gothamtitlepagebg
1271   };
1272   \fi
1273 \end{tikzpicture}
1274 }

```

(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`.

```

1275 \defbeamertemplate{title~page}{gotham~splitvert}{
1276   % \IfEmpty{\insertframetitle}{
1277   \ifx\beamer@frametitle\@empty
1278     \vspace*{-0.5\paperheight}
1279   \else %}{
1280     \vspace*{-0.63\paperheight}
1281   \fi %}
1282   {
1283     \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}%
1284     \begin{tikzpicture}[overlay, remember~picture]
1285       \fill[color=gotham@@tempColor] (current~page.north-west) rectangle ([shift = {(0, -0.45\p
1286     \end{tikzpicture}
1287   }
1288
1289   % \vspace{1.65\baselineskip}
1290   \begin{minipage}[b] [0.5\paperheight]{\textwidth}
1291     % \vspace{\baselineskip}
1292     \vbox{}
1293     \vfill
1294     {
1295       \usebeamerfont{title}
1296       \usebeamercolor[fg]{frametitle}
1297       \inserttitle

```

```

1298 }
1299 \ifx\insertsubtitle\@empty\else
1300   \[1ex]
1301   {
1302     \usebeamerfont{subtitle}
1303     \usebeamercolor[fg]{frametitle}
1304     \insertsubtitle
1305   }
1306 \fi
1307 \vspace{1.\baselineskip}
1308 \end{minipage}
1309
1310
1311 % Set the title graphic in a zero-height box, so that
1312 % the position of other elements is not affected.
1313 \ifx\inserttitlegraphic\@empty\else
1314   \newline
1315   \vspace*{-1.65\baselineskip}
1316   % {\vfuzz=9999pt\vbox-to~0pt {
1317   {\parbox[c] [0pt] [c]{\textwidth}{
1318     \raggedleft
1319     \inserttitlegraphic
1320     % \usebeamertemplate*{title~graphic}
1321   }}
1322 \fi
1323
1324 % \ifx\insertauthor\empty\else
1325 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1326   % empty author
1327   \vspace*{1.em}
1328 }{
1329   \newline
1330   \begin{minipage}[t]{\textwidth}
1331     % \usebeamercolor{normal~text}
1332     % \usebeamerfont{author}
1333     % \insertauthor
1334     \vspace*{-0.65\baselineskip}
1335     \usebeamertemplate*{author}
1336   \end{minipage}
1337 }
1338 % \fi
1339
1340 \ifx\insertinstitute\@empty\else

```

```

1341 \newline
1342 \vspace*{-1.65\baselineskip}
1343 \begin{minipage}[t]{\textwidth}
1344   % \usebeamerfont{institute}
1345   % \insertinstitute
1346   \usebeamertemplate*{institute}
1347 \end{minipage}
1348 \fi
1349
1350 \ifx\insertdate\@empty\else
1351   \newline
1352   \begin{minipage}[t]{\textwidth}
1353     \vspace*{2.65\baselineskip}
1354     % \usebeamerfont{date}
1355     % \insertdate
1356     \usebeamertemplate*{date}
1357   \end{minipage}
1358   \vspace*{-3.15\baselineskip}
1359 \fi
1360 }

```

(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 independently from the predefined option.

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

```
1361 \cs_if_exist:NTF \_gotham_set_template:nn {}{
1362 % If it doesn't exist, then create it.
1363
1364 % Define the command to set template if it exists.
1365 \cs_new_protected:Nn \_gotham_set_template:nn
1366 {
1367 \cs_if_exist:cTF {beamer@tmpop@#1@#2} {
1368 \setbeamertemplate{#1}[#2]
1369 }{
1370 \PackageError{beamerinnerthemegotham}
1371 {The~beamer~template~named~'#1'~with~the~option~'#2'~does~not~exist}
1372 {helping~message~unknown~setbeamertemplate~option}
1373 }
1374 }
1375 }
```

`inner_key_ interface` Controls for the title page templates.

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

```
1376 \keys_define:nn { gotham / inner }
1377 {
1378 % title-page
1379 title-page .usage:n = { general },
1380 title-page .default:n = { gotham-normal },
1381 title-page .code:n = { \_gotham_set_template:nn{title-page}{#1} },
1382 }
```

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

Backgrounds

```
1383 % Background lengths
1384 % \newlength{\imageBGoffset}
1385 % \setlength{\imageBGoffset}{\paperwidth}
1386 % \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

```

1387 \prop_if_exist:NTF \l__gotham_template_name_prop
1388 {}{
1389 % if not defined than define it.
1390 \prop_new:N \l__gotham_template_name_prop
1391 }

```

(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.

```

1392 \defbeamertemplate{background-canvas}{empty}{% empty background style has a color.
1393 % \ifbeamercoloreempty[bg]{background}{\color{bg}\vrule width\paperwidth height\paperheight
1394 \hspace*{28pt}
1395 \begin{beamercolorbox}[wd=\paperwidth,
1396 ht=\paperheight,
1397 ]{background}
1398 % nothing to write, only a background color
1399 \end{beamercolorbox}
1400 }%
1401 \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.

```

1402 \defbeamertemplate{background}{watermark/gotham-draft}{
1403 \begin{tikzpicture}[overlay,remember-picture]
1404 \node[color=red, opacity=0.3, scale=5, rotate=45] at ([shift={(0,0)}]current-page.center)
1405 \end{tikzpicture}
1406 }
1407 % Add the template to the prop (dictionary)
1408 \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.

```
1409 \seq_if_exist:NTF \l__gotham_frameoption_tmp_seq {}{
1410 % Define the sequence of frameoptions environments to close
1411 \seq_new:N \l__gotham_frameoption_tmp_seq
1412 }
1413
1414 \cs_if_exist:NTF \__gotham_add_beamerframe_key:n {}{
1415 % if it doesn't exist, then create it.
1416
1417 % Define the command to add frameoptions
1418 \cs_new_protected:Nn \__gotham_add_beamerframe_key:n {
1419 \define@key{beamerframe}{#1}[true]{
1420 \begin{#1env}
1421 \seq_put_left:Nn \l__gotham_frameoption_tmp_seq { \end{#1env} }
1422 }
1423 }
1424
1425 % At the end of frames close the opened environments.
1426 \apptocmd{\beamer@reseteecodes}{
1427 % Join elements in the queue without separator then output the result
1428 \seq_use:Nn \l__gotham_frameoption_tmp_seq {}
1429 % clear working queue
1430 \seq_clear:N \l__gotham_frameoption_tmp_seq
1431 }{}{}
1432 }
```

`\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.

```
1433
1434 \newenvironment{noBGCEnv}{
```

```

1435 \setbeamertemplate{background~canvas}[empty]
1436 }{}
1437 \__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*.

```

1438 \bool_new:N \l_gotham_defaultWatermark
1439 \bool_set_false:N \l_gotham_defaultWatermark
1440 % At every new frame, reset the options to default (unless some options/keys are given)
1441 \BeforeBeginEnvironment{frame}{
1442 \bool_if:NTF \l_gotham_defaultWatermark {
1443 \setbeamertemplate{background}[watermark/\prop_item:Nn \l__gotham_template_name_prop {back
1444 }]{% false
1445 \setbeamertemplate{background}[empty]
1446 }
1447 }

```

(End of definition for `\l_gotham_defaultWatermark`. This function is documented on page 29.)

`]\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*.

```

1448 % bool to trigger the add of watermark in background
1449 \newenvironment{watermarkenv}{
1450 \setbeamertemplate{background}[
1451 watermark/\prop_item:Nn \l__gotham_template_name_prop {background/watermark}
1452 ]
1453 }{}
1454 \__gotham_add_beamerframe_key:n {watermark}

```

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

`]\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*.

```

1455 % bool to trigger the add of nowatermark in background

```

```

1456 \newenvironment{nowatermarkenv}{
1457 \setbeamertemplate{background}[empty]
1458 }{}
1459 \l__gotham_add_beamerframe_key:n {nowatermark}

```

(End of definition for \begin[frame][nowatermark]. This function is documented on page 29.)

```

\l__gotham_tmpa_seq tmp variables
\l__gotham_tmpa_tl
\l__gotham_tmpb_tl
1460 \seq_if_exist:NTF \l__gotham_tmpa_seq
1461 {}{
1462 % sequence
1463 \seq_new:N \l__gotham_tmpa_seq
1464 }
1465 \tl_if_exist:NTF \l__gotham_tmpa_tl
1466 {}{
1467 % token list A
1468 \tl_new:N \l__gotham_tmpa_tl
1469 }
1470 \tl_if_exist:NTF \l__gotham_tmpb_tl
1471 {}{
1472 % token list B
1473 \tl_new:N \l__gotham_tmpb_tl
1474 }

```

(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.

```
1475 \cs_if_exist:NTF \\_gotham_set_prop_template:nn {}{
1476 % if it doesn't exist, then create it.
1477 \cs_new_protected:Nn \\_gotham_set_prop_template:nn
1478 {
1479 % Check if the first argument contains a /
1480 \tl_if_in:nnTF { #1 } { / }
1481 {
1482 % Split the first around the /
1483 \seq_set_split:Nnn \\_gotham_tmpa_seq { / } { #1 }
1484 \tl_set:Nn \\_gotham_tmpa_tl { \seq_item:Nn \\_gotham_tmpa_seq { 1 } }
1485 \tl_set:Nn \\_gotham_tmpb_tl { \seq_item:Nn \\_gotham_tmpa_seq { 2 } }
1486 % Check if template exist
1487 \cs_if_exist:cTF {beamer@ttmpop@\exp_not:V \\_gotham_tmpa_tl @\exp_not:V \\_gotham_tmpb_tl}
1488 % set the value in the map, so it can be called later.
1489 \prop_put:Nnn \\_gotham_template_name_prop {#1} {#2}
1490 % \setbeamertemplate{#1}[#2]
1491 }{
1492 \PackageError{beamerthemegotham}
1493 {The-beamer-template-named-'\\_gotham_tmpa_tl'-with-the-option-'\\_gotham_tmpb_tl/#2'-
1494 {helping-message}
1495 }
1496 }{% false -> error
1497 \PackageError{beamerthemegotham}
1498 {%
1499 When-using-'\c_backslash_str\cs_to_str:N \\_gotham_set_prop_template'-the-first-argument
1500 As-example:~if-'\c_backslash_str defbeamertemplate{background}{watermark/gotham-draft}'
1501 }{helping-message}
1502 }
1503 }
1504 }
```

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

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

```
1505 \keys_define:nn { gotham / inner }{
1506 % watermark template
1507 watermark~template .usage:n = { general },
1508 watermark~template .default:n = { gotham-draft },
1509 watermark~template .code:n = { \__gotham_set_prop_template:nn{background/watermark}{#1} },
1510 }
1511 \keys_define:nn { gotham / inner }{
1512 % watermark default
1513 watermark~default .choice:,
1514 watermark~default .usage:n = { general },
1515 watermark~default .default:n = { false },
1516
1517 watermark~default / true .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1518 watermark~default / on .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1519 watermark~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1520
1521 watermark~default / false .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1522 watermark~default / off .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1523 watermark~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1524
1525 watermark~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unkn
1526 }
```

(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.

```
1527 \define@key{beamerframe}{c}[true]{
1528 \beamer@frametopskip=0pt~plus~1fill\relax
1529 \beamer@framebottomskip=0pt~plus~1fill\relax
1530 \beamer@frametopskipautobreak=0pt~plus~.4\paperheight\relax
1531 \beamer@framebottomskipautobreak=0pt~plus~.6\paperheight\relax
1532 \def\beamer@initfirstlineunskip{
```

```
1533 }
```

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

`\defbeamertemplate{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*.

```
1534 \defbeamertemplate{background-canvas}{standout/gotham}{
1535 % copied from beamer default
1536 \ifbeamercoloreempty[bg]{standout}{
1537 % if the background standout color is transparent, do nothing.
1538 }{
1539 \usebeamercolor[bg]{standout}\color{bg}
1540 \vrule-width\paperwidth~height\paperheight
1541 }
1542 }
1543 % Add the template to the prop (dictionary) of background template to use according to the s
1544 \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*.

```
1545 \defbeamertemplate*{standout}{gotham}{
1546 % \setkeys{beamerframe}{c}
1547 % \setkeys{beamerframe}{noframenumbering}
1548 % \centering
1549
1550 \setbeamertemplate{background-canvas}[standout/\prop_item:Nn \l__gotham_template_name_prop
1551 % \usebeamertemplate{background-canvas}%[standout/gotham]
1552 \usebeamerfont{standout}
1553 % if the background color is switched, then change foreground (font) color.
1554 \ifbeamercoloreempty[bg]{primary-palette}{
1555 %true : empty background (transparent)
1556 \setbeamercolor{background-canvas}{
1557 use=primary-palette,
1558 bg=primary-palette.fg
1559 }
1560 }{
```



```

1561 %false : background not empty (dark or light)
1562 \setbeamercolor{background-canvas}{
1563   use=primary-palette,
1564   bg=primary-palette.bg
1565 }
1566 }
1567 \setbeamercolor{local-structure}{fg=primary-palette.bg}
1568 \usebeamercolor[fg]{primary-palette}
1569 }

```

(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`.

```

1570 \newenvironment{standoutenv}{
1571   \usebeamertemplate{standout}
1572 }{}
1573 \l__gotham_add_beamerframe_key:n {standout}

```

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

`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`.

```

1574 \defbeamertemplate{background-canvas}{standin/gotham}{
1575   \ifbeamercoloreempty[bg]{standin}{
1576     % if the background standin color is transparent, do nothing.
1577   }{
1578     % Uncomment this if-condition to have a 'light' background in 'transparent' color-mode.
1579     \ifbool{transparentBG}{
1580       % \color{} is not possible so, it is better to do nothing for transparent bg than creatin
1581     }{
1582       \usebeamercolor[bg]{standin}\color{bg}
1583       \vrule~width\paperwidth~height\paperheight
1584     }
1585   }
1586 }
1587 % Add the template to the prop (dictionary) of background template to use according to the s
1588 \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*.

```
1589 \defbeamertemplate*{standin}{gotham}{
1590 %
1591 % \setkeys{beamerframe}{c}
1592 % \setkeys{beamerframe}{noframenumbering}
1593 % \centering
1594 \setbeamertemplate{background-canvas}[standin/\prop_item:Nn \l__gotham_template_name_prop {
1595 % \usebeamertemplate{background-canvas}%[standin/gotham]
1596 \usebeamerfont{standin}
1597 %
1598 % Uncomment this if-condition to have a 'light' frametitle in 'transparent' color-mode.
1599 % \ifbeamercolorempy[bg]{normal-text}{
1600 % %true : empty background (transparent)
1601 % \setbeamercolor{frametitle}{
1602 %   use=normal-text,
1603 %   bg=colorBG,
1604 %   fg=normal-text.fg
1605 % }
1606 % }{
1607 % false
1608 \setbeamercolor{frametitle}{
1609   use=normal-text,
1610   bg=normal-text.bg,
1611   fg=normal-text.fg
1612 }
1613 % }
1614 % \setbeamercolor{frametitle}{
1615 %   use=normal-text,
1616 %   bg=normal-text.bg,
1617 %   fg=normal-text.fg
1618 % }
1619 }
```

(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.

```
1620 \newenvironment{standinenv}{
1621 \usebeamertemplate{standin}
1622 }{}
1623 \__gotham_add_beamerframe_key:n {standin}
```

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

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

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

```
1624 \keys_define:nn { gotham / inner }
1625 {
1626 % standout BG template
1627 standout~BG~template .usage:n = { general },
1628 standout~BG~template .default:n = { gotham },
1629 standout~BG~template .code:n = {
1630 \__gotham_set_prop_template:nn{background~canvas/standout}{#1}
1631 },
1632 }
1633 \keys_define:nn { gotham / inner }
1634 {
1635 % standin BG template
1636 standin~BG~template .usage:n = { general },
1637 standin~BG~template .default:n = { gotham },
1638 standin~BG~template .code:n = {
1639 \__gotham_set_prop_template:nn{background~canvas/standin}{#1}
1640 },
1641 }
1642 \keys_define:nn { gotham / inner }
1643 {
1644 % standout template
1645 standout~template .usage:n = { general },
1646 standout~template .default:n = { gotham },
1647 standout~template .code:n = {
1648 \__gotham_set_template:nn{standout}{#1}
1649 },
1650 }
1651 \keys_define:nn { gotham / inner }
1652 {
1653 % standin template
```

```

1654 standin-template .usage:n = { general },
1655 standin-template .default:n = { gotham },
1656 standin-template .code:n = {
1657   \__gotham_set_template:nn{standin}{#1}
1658 },
1659 }

```

(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*.

```

1660 \bool_new:N \l_gotham_partframe
1661 \bool_set_false:N \l_gotham_partframe
1662 \define@key{beamerframe}{part}[true]{
1663   \bool_set_true:N \l_gotham_partframe
1664   \begingroup
1665     \usebeamertemplate{part~frame}
1666   }
1667 \apptocmd{\beamer@reseteecodes}{
1668   \bool_if:NTF \l_gotham_partframe {
1669     \endgroup
1670     \bool_set_false:N \l_gotham_partframe
1671   }{}
1672 }{}{}
1673 % \define@key{beamerframe}{part}[true]{
1674 %   \thispagestyle{navigation@part}
1675 % }
1676 % \def\ps@navigation@part{
1677 %   \usebeamertemplate{part~frame}
1678 %   \@nameuse{ps@navigation}
1679 % }

```

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

`]\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*.

```

1680 \bool_new:N \l_gotham_sectionframe
1681 \bool_set_false:N \l_gotham_sectionframe
1682 \define@key{beamerframe}{section}[true]{
1683 \bool_set_true:N \l_gotham_sectionframe
1684 \begingroup
1685 \usebeamertemplate{section~frame}
1686 }
1687 \apptocmd{\beamer@reseteecodes}{
1688 \bool_if:NTF \l_gotham_sectionframe {
1689 \endgroup
1690 \bool_set_false:N \l_gotham_sectionframe
1691 }{}
1692 }{}{}
1693 % \define@key{beamerframe}{section}[true]{
1694 % \thispagestyle{navigation@section}
1695 % }
1696 % \def\ps@navigation@section{
1697 % \usebeamertemplate{section~frame}
1698 % \@nameuse{ps@navigation}
1699 % }

```

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

`]\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*.

```

1700 \bool_new:N \l_gotham_subsectionframe
1701 \bool_set_false:N \l_gotham_subsectionframe
1702 \define@key{beamerframe}{subsec}[true]{
1703 \bool_set_true:N \l_gotham_subsectionframe
1704 \begingroup
1705 \usebeamertemplate{subsection~frame}
1706 }
1707 \apptocmd{\beamer@reseteecodes}{
1708 \bool_if:NTF \l_gotham_subsectionframe {
1709 \endgroup
1710 \bool_set_false:N \l_gotham_subsectionframe
1711 }{}
1712 }{}{}
1713 % \define@key{beamerframe}{subsec}[true]{
1714 % \thispagestyle{navigation@subsec}

```

```

1715 % }
1716 % \def\ps@navigation@subsec{
1717 % \usebeamertemplate{subsection~frame}
1718 % \@nameuse{ps@navigation}
1719 % }

```

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

`\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`.

```

1720 \bool_new:N \l_gotham_subsubsectionframe
1721 \bool_set_false:N \l_gotham_subsubsectionframe
1722 \define@key{beamerframe}{subsubsec}[true]{
1723 \bool_set_true:N \l_gotham_subsubsectionframe
1724 \begingroup
1725 \usebeamertemplate{subsubsection~frame}
1726 }
1727 \apptocmd{\beamer@reseteecodes}{
1728 \bool_if:NTF \l_gotham_subsubsectionframe {
1729 \endgroup
1730 \bool_set_false:N \l_gotham_subsubsectionframe
1731 }{}
1732 }{}{}
1733 % \define@key{beamerframe}{subsubsec}[true]{
1734 % \thispagestyle{navigation@subsubsec}
1735 % }
1736 % \def\ps@navigation@subsubsec{
1737 % \usebeamertemplate{subsubsection~frame}
1738 % \@nameuse{ps@navigation}
1739 % }

```

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

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

`\partContentName`

```

1740 % repeated from BeamerExtra
1741 \providebool{partContent}
1742 \booltrue{partContent}
1743 \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`

```
1744 \providebool{sectionContent}
1745 \booltrue{sectionContent}
1746 \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.

`\subsectionName`

```
1747 \providebool{subsectionContent}
1748 \booltrue{subsectionContent}
1749 \providecommand{\subsectionName}{Subsection~content}
1750 % Subsubsection is not useful (at least up to understanding of the moment) because we do not
```

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

`\defbeamertemplate{part-title}{gotham}` Definitions of templates controlling how will appear the name/title of the parts, sections, subsections and subsubsections.

`\defbeamertemplate{section-title}{gotham}`

`\defbeamertemplate{subsection-title}{gotham}`

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

```
1751 \def\partname{\translate{Part}}
1752 \defbeamertemplate*{part~title}{gotham}{
1753   \usebeamercolor[fg]{part~title}
1754   \usebeamerfont{part~title}
1755   \partname \ \insertromanpartnumber
1756   \[1.75ex]
1757   \insertpart
1758 }
1759 \defbeamertemplate*{section~title}{gotham}{
1760   \usebeamercolor[fg]{section~title}
1761   \usebeamerfont{section~title}
1762   \insertsectionnumber.~
1763   \insertsectionhead
1764 }
1765 \defbeamertemplate*{subsection~title}{gotham}{
1766   \usebeamercolor[fg]{subsection~title}
```

```

1767 \usebeamerfont{subsection~title}
1768 \insertsectionnumber.\insertsubsectionnumber.~
1769 \insertsubsectionhead
1770 }
1771 \def\subsubsectionname{\translate{Subsubsection}}
1772 \def\insertsubsubsectionnumber{\arabic{subsubsection}}
1773 \def\subsubsectionpage{\usebeamertemplate*{subsubsection~page}}
1774 \defbeamertemplate*{subsubsection~title}{gotham}{
1775 \usebeamercolor[fg]{subsubsection~title}
1776 \usebeamerfont{subsubsection~title}
1777 \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
1778 \insertsubsubsectionhead
1779 }

```

(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.

```
1780 \cs_new_protected:Nn \_gotham_inner_disable_partpage:
1781 {
1782   \AtBeginPart{
1783     % intentionally empty
1784   }
1785 }
1786
1787 \cs_new_protected:Nn \_gotham_inner_enable_partpage:
1788 {
1789   \AtBeginPart{
1790     \ifbeamer@inframe
1791       \partpage
1792     \else
1793       \frame[c, noframenundering, part]{\partpage}
1794     \fi
1795
1796     \ifbool{partContent}{
1797       % true
1798       \begin{frame}[noframenundering, tocpart]
1799         \frametitle{\partContentName}
1800         \tableofcontents [part=\thepart]
1801       \end{frame}
1802     }{
1803       % else empty
1804     }
1805   }
1806 }
```

`_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.

```
1807 \cs_new_protected:Nn \_gotham_inner_disable_sectionpage:
1808 {
1809   \AtBeginSection{
1810     % intentionally empty
1811   }
1812 }
1813
1814 \cs_new_protected:Nn \_gotham_inner_enable_sectionpage:
1815 {
1816   \AtBeginSection{
1817     \ifbeamer@inframe
1818       \sectionpage
1819     \else
1820       \frame[c, noframenundering, section]{\sectionpage}
1821     \fi
1822
1823     \ifbool{sectionContent}{
1824       % true
1825       \begin{frame}[noframenundering, tocsec]
1826         \frametitle{\secContentName}
1827         {\tableofcontents[currentsection, currentsubsection,
1828           hideothersubsections,
1829           sectionstyle=show/shaded,
1830         ]
1831       }
1832     \end{frame}
1833   }{
1834     % else empty
1835   }
1836 }
1837 }
```

`_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@disablessubsectionpage}` and `\newcommand{\gotham@enablessubsectionpage}`

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

```
1838 \cs_new_protected:Nn \_gotham_inner_disable_subsectionpage:
1839 {
1840   \AtBeginSubsection{
1841     % intentionally empty
1842   }
1843 }
1844
1845 \cs_new_protected:Nn \_gotham_inner_enable_subsectionpage:
1846 {
1847   \AtBeginSubsection{
1848     \ifbeamer@inframe
1849       \subsectionpage
1850     \else
1851       \frame[c, noframenundering, subsec]{\subsectionpage}
1852     \fi
1853
1854     \ifbool{subsectionContent}{
1855       % true
1856       \begin{frame}[noframenundering, tocsubsec]
1857         \frametitle{\subsecContentName}
1858         {\tableofcontents[currentsection, currentsubsection,
1859           %currentsubsubsection,
1860           hideothersubsections,
1861           sectionstyle=show/shaded,
1862           subsectionstyle=show/shaded/hide,
1863           subsubsectionstyle=show/show/hide,
1864         ]
1865       }
1866     \end{frame}
1867   }{
1868     % else empty
1869   }
1870 }
1871 }
```

```

\__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.

```

1872 \cs_new_protected:Nn \__gotham_inner_disable_subsubsectionpage:
1873 {
1874   \AtBeginSubsubsection{
1875     % intentionally empty
1876   }
1877 }
1878
1879 \cs_new_protected:Nn \__gotham_inner_enable_subsubsectionpage:
1880 {
1881   \AtBeginSubsubsection{
1882     \ifbeamer@inframe
1883       \subsubsectionpage
1884     \else
1885       \frame[c, noframenundering, subsubsec]{\subsubsectionpage}
1886     \fi
1887   }
1888 }

```

`\gothamProgressSectionHeight` Variables used to defined the progress bar in section pages.

```

1889 % horizontal size of the bar (used internally and set to |\textwidth|.
1890 \newlength{\gotham@progressonsectionpage}
1891 % vertical size of the bar
1892 \newlength{\gothamProgressSectionHeight}
1893 \setlength{\gothamProgressSectionHeight}{3pt}

```

(End of definition for \gothamProgressSectionHeight. This variable is documented on page 30.)

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

`\late{progress-bar-in-section-page}{display}`

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

```

1894 \defbeamer\template{progress-bar-in-section-page}{empty}{
1895   \vspace{\gothamProgressSectionHeight+1ex}
1896 }
1897
1898 \def\inserttotalframenunder{100}

```

```

1899 \defbeamertemplate{progress-bar-in-section-page}{display}{
1900 \setlength{\gotham@progressonsectionpage}{
1901 \textwidth * \ratio{\insertframenumber~pt}{\inserttotalframenumber~pt}
1902 }
1903 \begin{tikzpicture}
1904 \fill[bg] (0,0) rectangle (\textwidth, \gothamProgressSectionHeight);
1905 \fill[fg] (0,0) rectangle (\gotham@progressonsectionpage, \gothamProgressSectionHeight);
1906 \end{tikzpicture}
1907 }

```

(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.

```

1908 \newlength{\sectionoffset}
1909 \setlength{\sectionoffset}{0pt}

```

(End of definition for `\sectionoffset`. This variable is documented on page 31.)

`\part|subsection-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*.

```

1910 \defbeamertemplate{part-page}{progressbar/simple}{
1911 %\frametitle{toto section}
1912 \centering
1913 \hspace*{\sectionoffset}
1914 \begin{minipage}{22em}
1915 % \raggedright
1916 \centering
1917 \usebeamertemplate*{part~title}\[-1ex]
1918 \usebeamertemplate*{progress-bar-in-section-page}
1919 \par
1920 \end{minipage}
1921 \par
1922 \vspace{\baselineskip}
1923 }
1924 \defbeamertemplate{section-page}{progressbar/simple}{
1925 %\frametitle{toto section}
1926 \centering
1927 \hspace*{\sectionoffset}
1928 \begin{minipage}{22em}

```

```

1929 \raggedright
1930 \usebeamertemplate*{section~title}\[-1ex]
1931 \usebeamertemplate*{progress~bar~in~section~page}
1932 \par
1933 \end{minipage}
1934 \par
1935 \vspace{\baselineskip}
1936 }
1937 \defbeamertemplate{subsection~page}{progressbar/simple}{
1938 %\frametitle{toto section}
1939 \centering
1940 \hspace*{\sectionhoffset}
1941 \begin{minipage}{22em}
1942 \raggedright
1943 \usebeamertemplate*{section~title}\[-1ex]
1944 \usebeamertemplate*{progress~bar~in~section~page}
1945 \par
1946 \usebeamertemplate*{subsection~title}
1947 \end{minipage}
1948 \par
1949 \vspace{\baselineskip}
1950 }
1951 \defbeamertemplate{subsubsection~page}{progressbar/simple}{
1952 %\frametitle{toto section}
1953 \centering
1954 \hspace*{\sectionhoffset}
1955 \begin{minipage}{22em}
1956 \raggedright
1957 \usebeamertemplate*{section~title}\[-1ex]
1958 \usebeamertemplate*{progress~bar~in~section~page}
1959 \par
1960 \usebeamertemplate*{subsection~title}
1961 \par
1962 \usebeamertemplate*{subsubsection~title}
1963 \end{minipage}
1964 \par
1965 \vspace{\baselineskip}
1966 }

```

(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*.

```
1967 \defbeamertemplate{background~canvas}{part/gotham}{
1968 \ifbeamercolorempy[bg]{normal~text}{\color{bg}\vrule width\paperwidth height\paperheight
1969 }
1970 \defbeamertemplate{background~canvas}{section/gotham}{
1971 \setbeamertemplate{background~canvas}[part/gotham]
1972 \usebeamertemplate{background~canvas}
1973 }
1974 \defbeamertemplate{background~canvas}{subsection/gotham}{
1975 \setbeamertemplate{background~canvas}[part/gotham]
1976 \usebeamertemplate{background~canvas}
1977 }
1978 \defbeamertemplate{background~canvas}{subsubsection/gotham}{
1979 \setbeamertemplate{background~canvas}[part/gotham]
1980 \usebeamertemplate{background~canvas}
1981 }
```

(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*.

```
1982 \defbeamertemplate{part~frame}{gotham~simple}{
1983 \setbeamertemplate{background~canvas}[part/gotham]
1984 \setbeamercolor{frametitle}{
1985 use={frametitleSection, normal~text},
1986 bg=frametitleSection.fg,
1987 fg=normal~text.fg
1988 }
1989 \setbeamertemplate{progress~bar~in~section~page}[empty]
1990 \setbeamertemplate{part~page}[progressbar/simple]
1991 % \usebeamertemplate*{part~page}% activated automatically
1992 }
1993
1994 \defbeamertemplate{section~frame}{gotham~simple}{
1995 \setbeamertemplate{background~canvas}[section/gotham]
1996 \setbeamercolor{frametitle}{
1997 use={frametitleSection, normal~text},
1998 bg=frametitleSection.fg,
1999 fg=normal~text.fg
2000 }
2001 \setbeamertemplate{progress~bar~in~section~page}[empty]
```

```

2002 \setbeamertemplate{section~page}[progressbar/simple]
2003   % \usebeamertemplate*{section~page}% activated automatically
2004 }
2005
2006 \defbeamertemplate{subsection~frame}{gotham~simple}{
2007 \setbeamertemplate{background~canvas}[subsection/gotham]
2008 \setbeamercolor{frametitle}{
2009   use={frametitleSection, normal~text},
2010   bg=frametitleSection.fg,
2011   fg=normal~text.fg
2012 }
2013 \setbeamertemplate{progress~bar~in~section~page}[empty]
2014 \setbeamertemplate{subsection~page}[progressbar/simple]
2015   % \usebeamertemplate*{subsection~page}% activated automatically
2016 }
2017
2018 \defbeamertemplate{subsubsection~frame}{gotham~simple}{
2019 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2020 \setbeamercolor{frametitle}{
2021   use={frametitleSection, normal~text},
2022   bg=frametitleSection.fg,
2023   fg=normal~text.fg
2024 }
2025 \setbeamertemplate{progress~bar~in~section~page}[empty]
2026 \setbeamertemplate{subsubsection~page}[progressbar/simple]
2027   % \usebeamertemplate*{subsubsection~page}% activated automatically
2028 }

```

*(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.

```

2029 \defbeamertemplate{part~frame}{gotham~progressbar}{
2030 \setbeamertemplate{background~canvas}[part/gotham]
2031 \setbeamercolor{frametitle}{
2032   use={frametitleSection, normal~text},
2033   bg=frametitleSection.fg,
2034   fg=normal~text.fg
2035 }
2036 \setbeamertemplate{progress~bar~in~section~page}[display]
2037 \setbeamertemplate{part~page}[progressbar/simple]

```



```

2038   % \usebeamertemplate*{part~page}% activated automatically
2039 }
2040
2041 \defbeamertemplate{section~frame}{gotham~progressbar}{
2042 \setbeamertemplate{background~canvas}[section/gotham]
2043 \setbeamercolor{frametitle}{
2044 use={frametitleSection, normal~text},
2045 bg=frametitleSection.fg,
2046 fg=normal~text.fg
2047 }
2048 \setbeamertemplate{progress~bar~in~section~page}[display]
2049 \setbeamertemplate{section~page}[progressbar/simple]
2050   % \usebeamertemplate*{section~page}% activated automatically
2051 }
2052
2053 \defbeamertemplate{subsection~frame}{gotham~progressbar}{
2054 \setbeamertemplate{background~canvas}[subsection/gotham]
2055 \setbeamercolor{frametitle}{
2056 use={frametitleSection, normal~text},
2057 bg=frametitleSection.fg,
2058 fg=normal~text.fg
2059 }
2060 \setbeamertemplate{progress~bar~in~section~page}[display]
2061 \setbeamertemplate{subsection~page}[progressbar/simple]
2062   % \usebeamertemplate*{subsection~page}% activated automatically
2063 }
2064
2065 \defbeamertemplate{subsubsection~frame}{gotham~progressbar}{
2066 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2067 \setbeamercolor{frametitle}{
2068 use={frametitleSection, normal~text},
2069 bg=frametitleSection.fg,
2070 fg=normal~text.fg
2071 }
2072 \setbeamertemplate{progress~bar~in~section~page}[display]
2073 \setbeamertemplate{subsubsection~page}[progressbar/simple]
2074   % \usebeamertemplate*{subsubsection~page}% activated automatically
2075 }

```

*(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*.

```

2076 \defbeamertemplate{progress-bar-in-splitvert}{empty}{
2077   \vspace{-0.5ex}
2078 }
2079
2080 \defbeamertemplate*{progress-bar-in-splitvert}{display}{
2081   % \nointerlineskip
2082   \setlength{\gotham@progressonsectionpage}{
2083     \paperwidth * \ratio{\insertframenumbers pt}{\inserttotalframenumbers pt}
2084   }
2085   \begin{tikzpicture}
2086     \fill[bg] (0,0) rectangle (\paperwidth, \gothamProgressSectionHeight);
2087     \fill[fg] (0,0) rectangle (\gotham@progressonsectionpage, \gothamProgressSectionHeight);
2088   \end{tikzpicture}
2089 }

```

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

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

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

```

2090 % Part page splitvert.
2091 \defbeamertemplate{part-page}{gotham-splitvert-progressbar/simple}{
2092   % \frametitle{part!}
2093   % \IfEmpty{\insertframetitle}{
2094     \ifx\beamer@frametitle\@empty
2095       \vspace*{-0.05\paperheight}
2096     \else %}{
2097       \vspace*{-0.165\paperheight}
2098     \fi %}
2099   {
2100     \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2101     \begin{tikzpicture}[overlay, remember~picture]
2102       \fill[color=gotham@@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2103     \end{tikzpicture}
2104   }
2105
2106   % \hspace*{\sectionoffset}
2107   \begin{minipage}[b] [0.45\paperheight] {\textwidth}
2108     \centering

```

```

2109 \usebeamertemplate*{part~title}
2110 \end{minipage}
2111 \[-0.1\baselineskip]
2112 \hspace*{-1.0cm}\noindent
2113 \usebeamertemplate*{progress~bar~in~splitvert}
2114
2115 \newline
2116 \begin{minipage}[t][0.5\paperheight]{\textwidth}
2117 % \vspace{0.5\baselineskip}
2118 % \usebeamerfont{subsection~tttitle}
2119 % \usebeamercolor[bg]{frametitle}
2120 % empty
2121 \end{minipage}
2122 }
2123 \defbeamertemplate{part~frame}{gotham~splitvert~progressbar}{
2124 \setbeamertemplate{background~canvas}[part/gotham]
2125 % \setbeamercolor{frametitle}{}
2126 % \setlength{\sectionhoffset}{1cm}
2127 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}
2128 \setbeamertemplate{progress~bar~in~splitvert}[display]
2129 \setbeamertemplate{part~page}[gotham~splitvert~progressbar/simple]
2130 % \usebeamertemplate*{part~page}% activated automatically
2131 }
2132 \defbeamertemplate{part~frame}{gotham~splitvert~simple}{
2133 \setbeamertemplate{background~canvas}[part/gotham]
2134 % \setbeamercolor{frametitle}{}
2135 % \setlength{\sectionhoffset}{1cm}
2136 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}
2137 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2138 \setbeamertemplate{part~page}[gotham~splitvert~progressbar/simple]
2139 % \usebeamertemplate*{part~page}% activated automatically
2140 }
2141
2142 % Section page splitvert.
2143 \defbeamertemplate{section~page}{gotham~splitvert~progressbar/simple}{
2144 % \frametitle{section!}
2145 % \IfEmpty{\insertframetitle}{
2146 \ifx\beamer@frametitle\@empty
2147 \vspace*{-0.05\paperheight}
2148 \else %}{
2149 \vspace*{-0.165\paperheight}
2150 \fi %}
2151 {

```

```

2152 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2153 \begin{tikzpicture}[overlay, remember~picture]
2154 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2155 \end{tikzpicture}
2156 }
2157
2158 \hspace*{\sectionoffset}
2159 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2160 \usebeamertemplate*{section~title}
2161 \end{minipage}
2162 \\\[-0.1\baselineskip]
2163 \hspace*{-1.0cm}\noindent
2164 \usebeamertemplate*{progress~bar~in~splitvert}
2165
2166 \newline
2167 \hspace*{\sectionoffset}
2168 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2169 % \vspace{0.5\baselineskip}
2170 \usebeamerfont{subsection~title}
2171 \usebeamercolor[bg]{frametitle}
2172 % empty
2173 \end{minipage}
2174 }
2175 \defbeamertemplate{section~frame}{gotham~splitvert~progressbar}{
2176 \setbeamertemplate{background~canvas}[section/gotham]
2177 % \setbeamercolor{frametitle}{}
2178 \setlength{\sectionoffset}{1cm}
2179 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2180 \setbeamertemplate{progress~bar~in~splitvert}[display]
2181 \setbeamertemplate{section~page}[gotham~splitvert~progressbar/simple]
2182 % \usebeamertemplate*{section~page}% activated automatically
2183 }
2184 \defbeamertemplate{section~frame}{gotham~splitvert~simple}{
2185 \setbeamertemplate{background~canvas}[section/gotham]
2186 % \setbeamercolor{frametitle}{}
2187 \setlength{\sectionoffset}{1cm}
2188 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2189 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2190 \setbeamertemplate{section~page}[gotham~splitvert~progressbar/simple]
2191 % \usebeamertemplate*{section~page}% activated automatically
2192 }
2193
2194 % Subsection page splitvert.

```

```

2195 \defbeamertemplate{subsection~page}{gotham~splitvert~progressbar/simple}{
2196 % \frametitle{subsection!}
2197 % \IfEmpty{\insertframetitle}{
2198 \ifx\beamer@frametitle\@empty
2199 \vspace*{-0.05\paperheight}
2200 \else %}{
2201 \vspace*{-0.165\paperheight}
2202 \fi %}
2203 {
2204 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2205 \begin{tikzpicture}[overlay, remember=picture]
2206 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2207 \end{tikzpicture}
2208 }
2209
2210 \hspace*{\sectionoffset}
2211 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2212 \usebeamertemplate*{section~title}
2213 \end{minipage}
2214 \\[-0.1\baselineskip]
2215 \hspace*{-1.0cm}\noindent
2216 \usebeamertemplate*{progress~bar~in~splitvert}
2217
2218 \newline
2219 \hspace*{\sectionoffset}
2220 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2221 % \vspace{0.5\baselineskip}
2222 \usebeamerfont{subsection~title}
2223 \usebeamercolor[bg]{frametitle}
2224 \usebeamertemplate*{subsection~title}
2225 % \par
2226 % \vspace{1em}%phantom subsection
2227 \end{minipage}
2228 }
2229 \defbeamertemplate{subsection~frame}{gotham~splitvert~progressbar}{
2230 \setbeamertemplate{background~canvas}[subsection/gotham]
2231 % \setbeamercolor{frametitle}{}
2232 \setlength{\sectionoffset}{1cm}
2233 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2234 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2235 \setbeamertemplate{progress~bar~in~splitvert}[display]
2236 \setbeamertemplate{subsection~page}[gotham~splitvert~progressbar/simple]
2237 % \usebeamertemplate*{subsection~page}% activated automatically

```

```

2238 }
2239 \defbeamertemplate{subsection~frame}{gotham~splitvert~simple}{
2240 \setbeamertemplate{background~canvas}[subsection/gotham]
2241 % \setbeamercolor{frametitle}{}
2242 \setlength{\sectionoffset}{1cm}
2243 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2244 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2245 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2246 \setbeamertemplate{subsection~page}[gotham~splitvert~progressbar/simple]
2247 % \usebeamertemplate*{subsection~page}% activated automatically
2248 }
2249
2250 % Subsubsection page splitvert.
2251 \defbeamertemplate{subsubsection~page}{gotham~splitvert~progressbar/simple}{
2252 % \frametitle{subsubsection!}
2253 % \IfEmpty{\insertframetitle}{
2254 \ifx\beamer@frametitle\@empty
2255 \vspace*{-0.05\paperheight}
2256 \else %}{
2257 \vspace*{-0.165\paperheight}
2258 \fi %}
2259 {
2260 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2261 \begin{tikzpicture}[overlay, remember~picture]
2262 \fill[color=gotham@tempColor] (current~page.north~west) rectangle ([shift = {(0, -0.45\p
2263 \end{tikzpicture}
2264 }
2265
2266 \hspace*{\sectionoffset}
2267 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2268 \usebeamertemplate*{section~title}
2269 \end{minipage}
2270 \\\[-0.1\baselineskip]
2271 \hspace*{-1.0cm}\noindent
2272 \usebeamertemplate*{progress~bar~in~splitvert}
2273
2274 \newline
2275 \hspace*{\sectionoffset}
2276 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2277 % \vspace{0.5\baselineskip}
2278 \usebeamerfont{subsubsection~title}
2279 \usebeamercolor[bg]{frametitle}
2280 \usebeamertemplate*{subsection~title}

```

```

2281 \par
2282 \usebeamertemplate*{subsubsection~title}
2283 \end{minipage}
2284 }
2285 \defbeamertemplate{subsubsection~frame}{gotham-splitvert-progressbar}{
2286 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2287 % \setbeamercolor{frametitle}{}
2288 \setlength{\sectionoffset}{1cm}
2289 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2290 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2291 \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2292 \setbeamertemplate{progress-bar-in-splitvert}[display]
2293 \setbeamertemplate{subsubsection~page}[gotham-splitvert-progressbar/simple]
2294 % \usebeamertemplate*{subsubsection~page}% activated automatically
2295 }
2296 \defbeamertemplate{subsubsection~frame}{gotham-splitvert-simple}{
2297 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2298 % \setbeamercolor{frametitle}{}
2299 \setlength{\sectionoffset}{1cm}
2300 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2301 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2302 \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2303 \setbeamertemplate{progress-bar-in-splitvert}[empty]
2304 \setbeamertemplate{subsubsection~page}[gotham-splitvert-progressbar/simple]
2305 % \usebeamertemplate*{subsubsection~page}% activated automatically
2306 }

```

(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*.

```

2307
2308 % Part page progressvert.
2309 \defbeamertemplate{part~page}{gotham~progressvert}{
2310 % \frametitle{part!}
2311 % \IfEmpty{\insertframetitle}{
2312 \ifx\beamer@frametitle\@empty
2313 \vspace*{-0.05\paperheight}
2314 \else %}{
2315 \vspace*{-0.165\paperheight}

```

```

2316 \fi %}
2317 \setlength{\gotham@progressonsectionpage}{
2318 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2319 }
2320 {
2321 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2322 \colorlet{gotham@@tempColorB}{fg}
2323 \begin{tikzpicture}[overlay, remember~picture]
2324 \fill[color=gotham@@tempColor]
2325 ([shift={(0,0)}] current~page.north~west) --
2326 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2327 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2328 ([shift={(0,0)}] current~page.north~east)
2329 --cycle;
2330 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\section
2331 {\usebeamerfont{part~title}
2332 \partname \ \insertromanpartnumber
2333 \\\[1.75ex]
2334 \insertpart
2335 }
2336 }];
2337
2338 \clip
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
2345 \fill[color=gotham@@tempColorB]
2346 ([shift={(0,0)}] current~page.south~west) --
2347 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2348 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2349 ([shift={(0,0)}] current~page.south~east)
2350 --cycle;
2351 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2352 {\usebeamerfont{part~title}
2353 \partname \ \insertromanpartnumber
2354 \\\
2355 \insertpart
2356 }
2357 }];
2358 \end{tikzpicture}

```



```

2359 }
2360 }
2361 \defbeamertemplate{part-frame}{gotham-progressvert}{
2362 \setbeamertemplate{background~canvas}[part/gotham]
2363 % \setbeamercolor{frametitle}{}
2364 \setlength{\sectionhoffset}{1cm}
2365 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2366 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2367 % \setbeamercolor{part~title}{use=frametitle, fg=frametitle.bg}
2368 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2369 \setbeamertemplate{part~page}[gotham-progressvert]
2370 % \usebeamertemplate*{section~page}% activated automatically
2371 }
2372
2373 % Section page progressvert.
2374 \defbeamertemplate{section~page}{gotham-progressvert}{
2375 % \frametitle{section!}
2376 % \IfEmpty{\insertframetitle}{
2377 \ifx\beamer@frametitle\@empty
2378 \vspace*{-0.05\paperheight}
2379 \else %}{
2380 \vspace*{-0.165\paperheight}
2381 \fi %}
2382 \setlength{\gotham@progressonsectionpage}{
2383 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2384 }
2385 {
2386 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2387 \colorlet{gotham@@tempColorB}{fg}
2388 \begin{tikzpicture}[overlay, remember~picture]
2389 \fill[color=gotham@@tempColor]
2390 ([shift={(0,0)}] current~page.north~west) --
2391 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2392 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2393 ([shift={(0,0)}] current~page.north~east)
2394 --cycle;
2395 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\secti
2396 {\usebeamerfont{section~title}
2397 \insertsectionnumber.~
2398 \insertsectionhead}
2399 };
2400
2401 \clip

```

```

2402 ([shift={(0,0)}] current~page.south-west) --
2403 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-west) --
2404 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-east) --
2405 ([shift={(0,0)}] current~page.south-east)
2406 --cycle;
2407
2408 \fill[color=gotham@@tempColorB]
2409 ([shift={(0,0)}] current~page.south-west) --
2410 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-west) --
2411 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-east) --
2412 ([shift={(0,0)}] current~page.south-east)
2413 --cycle;
2414 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2415 {\usebeamerfont{section~title}
2416 \insertsectionnumber.~
2417 \insertsectionhead}
2418 });
2419 \end{tikzpicture}
2420 }
2421 }
2422 \defbeamertemplate{section~frame}{gotham~progressvert}{
2423 \setbeamertemplate{background~canvas}[section/gotham]
2424 % \setbeamercolor{frametitle}{}
2425 \setlength{\sectionhoffset}{1cm}
2426 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2427 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2428 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2429 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2430 \setbeamertemplate{section~page}[gotham~progressvert]
2431 % \usebeamertemplate*{section~page}% activated automatically
2432 }
2433
2434 % Subection page progressvert.
2435 \defbeamertemplate{subsection~page}{gotham~progressvert}{
2436 % \frametitle{subsection!}
2437 % \IfEmpty{\insertframetitle}{
2438 \ifx\beamer@frametitle\@empty
2439 \vspace*{-0.05\paperheight}
2440 \else %}{
2441 \vspace*{-0.165\paperheight}
2442 \fi %}
2443 \setlength{\gotham@progressonsectionpage}{
2444 \paperheight * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}

```

```

2445 }
2446 {
2447 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2448 \colorlet{gotham@@tempColorB}{fg}
2449 \begin{tikzpicture}[overlay, remember~picture]
2450 \fill[color=gotham@@tempColor]
2451 ([shift={(0,0)}] current~page.north~west) --
2452 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2453 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2454 ([shift={(0,0)}] current~page.north~east)
2455 --cycle;
2456 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\section
2457 {\usebeamerfont{section~title}
2458 \insertsectionnumber.~
2459 \insertsectionhead}
2460 \\
2461 {\usebeamerfont{subsection~title}
2462 \insertsectionnumber.\insertsubsectionnumber.~
2463 \insertsubsectionhead}
2464 }];
2465
2466 \clip
2467 ([shift={(0,0)}] current~page.south~west) --
2468 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2469 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2470 ([shift={(0,0)}] current~page.south~east)
2471 --cycle;
2472
2473 \fill[color=gotham@@tempColorB]
2474 ([shift={(0,0)}] current~page.south~west) --
2475 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2476 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2477 ([shift={(0,0)}] current~page.south~east)
2478 --cycle;
2479 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2480 {\usebeamerfont{section~title}
2481 \insertsectionnumber.~
2482 \insertsectionhead}
2483 \\
2484 {\usebeamerfont{subsection~title}
2485 \insertsectionnumber.\insertsubsectionnumber.~
2486 \insertsubsectionhead}
2487 }];

```

```

2488 \end{tikzpicture}
2489 }
2490 }
2491 \defbeamertemplate{subsection~frame}{gotham~progressvert}{
2492 \setbeamertemplate{background~canvas}[subsection/gotham]
2493 % \setbeamercolor{frametitle}{}
2494 \setlength{\sectionoffset}{1cm}
2495 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2496 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2497 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2498 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2499 \setbeamertemplate{subsection~page}[gotham~progressvert]
2500 % \usebeamertemplate*{subsection~page}% activated automatically
2501 }
2502
2503 % Subsubsection page progressvert.
2504 \defbeamertemplate{subsubsection~page}{gotham~progressvert}{
2505 % \frametitle{subsubsection!}
2506 % \IfEmpty{\insertframetitle}{
2507 \ifx\beamer@frametitle\@empty
2508 \vspace*{-0.05\paperheight}
2509 \else %}{
2510 \vspace*{-0.165\paperheight}
2511 \fi %}
2512 \setlength{\gotham@progressonsectionpage}{
2513 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2514 }
2515 {
2516 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2517 \colorlet{gotham@@tempColorB}{fg}
2518 \begin{tikzpicture}[overlay, remember~picture]
2519 \fill[color=gotham@@tempColor]
2520 ([shift={(0,0)}] current~page.north~west) --
2521 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2522 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2523 ([shift={(0,0)}] current~page.north~east)
2524 --cycle;
2525 \node[color=gotham@@tempColorB, align=left, text-width=0.8\textwidth] at ([shift={(\secti
2526 {\usebeamerfont{section~title}
2527 \insertsectionnumber.~
2528 \insertsectionhead}
2529 \\
2530 {\usebeamerfont{subsection~title}

```

```

2531 \insertsectionnumber.\insertsubsectionnumber.~
2532 \insertsubsectionhead}
2533 \\
2534 {\usebeamerfont{subsubsection~title}
2535 \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2536 \insertsubsubsectionhead}
2537 };
2538
2539 \clip
2540 ([shift={(0,0)}] current~page.south~west) --
2541 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2542 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2543 ([shift={(0,0)}] current~page.south~east)
2544 --cycle;
2545
2546 \fill[color=gotham@@tempColorB]
2547 ([shift={(0,0)}]current~page.south~west) --
2548 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2549 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2550 ([shift={(0,0)}] current~page.south~east)
2551 --cycle;
2552 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2553 {\usebeamerfont{section~title}
2554 \insertsectionnumber.~
2555 \insertsectionhead}
2556 \\
2557 {\usebeamerfont{subsection~title}
2558 \insertsectionnumber.\insertsubsectionnumber.~
2559 \insertsubsectionhead}
2560 \\
2561 {\usebeamerfont{subsubsection~title}
2562 \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2563 \insertsubsubsectionhead}
2564 };
2565 \end{tikzpicture}
2566 }
2567 }
2568 \defbeamertemplate{subsubsection~frame}{gotham~progressvert}{
2569 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2570 % \setbeamercolor{frametitle}{}
2571 \setlength{\sectionoffset}{1cm}
2572 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2573 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}

```

```

2574 % \setbeamercolor{subsubsection-title}{use=frametitle, fg=frametitle.bg}
2575 % \setbeamertemplate{progress-bar~in~splitvert}[display]
2576 \setbeamertemplate{subsubsection-page}[gotham-progressvert]
2577 % \usebeamertemplate*{subsubsection-page}% activated automatically
2578 }

```

(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*.

```

2579 \keys_define:nn { gotham / inner }{
2580 % partframe template
2581 partframe~template .usage:n = { general },
2582 partframe~template .default:n = { gotham-progressbar },
2583 partframe~template .code:n = { \__gotham_set_template:nn{part~frame}{#1} }
2584 }
2585 \keys_define:nn { gotham / inner }
2586 {
2587 % partframe default
2588 partframe~default .choice:,
2589 partframe~default .usage:n = { general },
2590 partframe~default .default:n = { true },
2591
2592 partframe~default / true .code:n = { \__gotham_inner_enable_partpage: },
2593 partframe~default / on .code:n = { \__gotham_inner_enable_partpage: },
2594 partframe~default / enable .code:n = { \__gotham_inner_enable_partpage: },
2595
2596 partframe~default / false .code:n = { \__gotham_inner_disable_partpage: },
2597 partframe~default / off .code:n = { \__gotham_inner_disable_partpage: },
2598 partframe~default / disable .code:n = { \__gotham_inner_disable_partpage: },
2599
2600 partframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unkn
2601 }
2602
2603 \keys_define:nn { gotham / inner }{
2604 % sectionframe template
2605 sectionframe~template .usage:n = { general },
2606 sectionframe~template .default:n = { gotham-progressbar },
2607 sectionframe~template .code:n = { \__gotham_set_template:nn{section~frame}{#1} }
2608 }

```

```

2609 \keys_define:nn { gotham / inner }
2610 {
2611 % sectionframe default
2612 sectionframe~default .choice:,
2613 sectionframe~default .usage:n = { general },
2614 sectionframe~default .default:n = { true },
2615
2616 sectionframe~default / true .code:n = { \__gotham_inner_enable_sectionpage: },
2617 sectionframe~default / on .code:n = { \__gotham_inner_enable_sectionpage: },
2618 sectionframe~default / enable .code:n = { \__gotham_inner_enable_sectionpage: },
2619
2620 sectionframe~default / false .code:n = { \__gotham_inner_disable_sectionpage: },
2621 sectionframe~default / off .code:n = { \__gotham_inner_disable_sectionpage: },
2622 sectionframe~default / disable .code:n = { \__gotham_inner_disable_sectionpage: },
2623
2624 sectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The-choice-~'#1'-is-u
2625 }
2626
2627 \keys_define:nn { gotham / inner }{
2628 % subsectionframe template
2629 subsectionframe~template .usage:n = { general },
2630 subsectionframe~template .default:n = { gotham-progressbar },
2631 subsectionframe~template .code:n = { \__gotham_set_template:nn{subsection~frame}{#1} }
2632 }
2633 \keys_define:nn { gotham / inner }
2634 {
2635 % subsectionframe default
2636 subsectionframe~default .choice:,
2637 subsectionframe~default .usage:n = { general },
2638 subsectionframe~default .default:n = { true },
2639
2640 subsectionframe~default / true .code:n = { \__gotham_inner_enable_subsectionpage: },
2641 subsectionframe~default / on .code:n = { \__gotham_inner_enable_subsectionpage: },
2642 subsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsectionpage: },
2643
2644 subsectionframe~default / false .code:n = { \__gotham_inner_disable_subsectionpage: },
2645 subsectionframe~default / off .code:n = { \__gotham_inner_disable_subsectionpage: },
2646 subsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsectionpage: },
2647
2648 subsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'-i
2649 }
2650
2651 \keys_define:nn { gotham / inner }{

```

```

2652 % subsectionframe template
2653 subsectionframe~template .usage:n = { general },
2654 subsectionframe~template .default:n = { gotham~progressbar },
2655 subsectionframe~template .code:n = { \__gotham_set_template:nn{subsection~frame}{#1}
2656 }
2657 \keys_define:nn { gotham / inner }
2658 {
2659 % subsectionframe default
2660 subsectionframe~default .choice:,
2661 subsectionframe~default .usage:n = { general },
2662 subsectionframe~default .default:n = { true },
2663
2664 subsectionframe~default / true .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2665 subsectionframe~default / on .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2666 subsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsubsectionpage: }
2667
2668 subsectionframe~default / false .code:n = { \__gotham_inner_disable_subsubsectionpage: }
2669 subsectionframe~default / off .code:n = { \__gotham_inner_disable_subsubsectionpage: },
2670 subsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsubsectionpage: }
2671
2672 subsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
2673 }

```

(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*.

```

2674 \tikzset{section~number/.style={
2675   circle,
2676   fill=colorAlert,
2677   minimum~size=0.4em,
2678   text=colorAlert!10,
2679   inner~sep=1.5pt,
2680 },
2681 section/.style={
2682   draw=none,
2683   rectangle,
2684   minimum~height=1em,
2685   minimum~width=0.8\textwidth,
2686   text~width=0.8\textwidth,

```



```

2687   text=fg,
2688   align=left
2689 },
2690 subsection-number/.style={
2691   circle,
2692   fill=colorBackElement!50,
2693   inner~sep=0pt,
2694   minimum~size=0.15cm,
2695 },
2696 subsection/.style={
2697   draw=none,
2698   rectangle,
2699   minimum~height=1em,
2700   minimum~width=0.8\textwidth,
2701   text~width=0.8\textwidth,
2702   text=fg!80,
2703   align=left
2704 },
2705 subsubsection-number/.style={
2706   circle,
2707   fill=colorBackElement!50,
2708   inner~sep=0pt,
2709   minimum~size=0.06cm,
2710 },
2711 subsubsection/.style={
2712   draw=none,
2713   rectangle,
2714   minimum~height=1em,
2715   minimum~width=0.8\textwidth,
2716   text~width=0.8\textwidth,
2717   text=fg!80,
2718   align=left
2719 },
2720 }

```

(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*.

```

2721 \defamertemplate{section~in~toc}{gotham~bullet}{
2722   \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section-number]{\textbf{\small\inserttocsectionn

```

```

2723 \tikz[baseline=-0.5ex]\node[section]{\usebeamerfont*{toc~title} \inserttocsection};\[-0.
2724 \hspace*{1.13cm}{\usebeamercolor*{fg}{footer} \rule{0.6\paperwidth}{0.2pt}\nointerlineskip
2725 }
2726 \defbeamertemplate{subsection-in-toc}{gotham-bullet}{
2727 \hspace*{0.53cm}\tikz[baseline=-0.5ex]\node[subsection-number]{};
2728 \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[section]{\usebeamerfont*{toc~subtitle}\insert
2729 }
2730 \defbeamertemplate{subsubsection-in-toc}{gotham-bullet}{
2731 \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection-number]{};
2732 \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection]{\usebeamerfont*{toc~subtitle}\in
2733 }
2734 % Shaded for sections already done in the presentation.
2735 \defbeamertemplate{section-in-toc-shaded}{gotham-bullet}{
2736 \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section-number, fill=colorBackElement!40, text=b
2737 \tikz[baseline=-0.5ex]\node[section, text=colorExample!20]{\usebeamerfont*{toc~title} \in
2738 \hspace*{1.3cm}{\usebeamercolor*{fg}{footer} \rule{0.6\paperwidth}{0.2pt}\nointerlineskip
2739 }
2740 \defbeamertemplate{subsection-in-toc-shaded}{gotham-bullet}{
2741 \hspace*{0.55cm}\tikz[baseline=-0.5ex]\node[subsection-number, fill=colorBackElement!20]{};
2742 \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[section, text=colorBackElement!20]{};\[-0.2c
2743 }
2744 \defbeamertemplate{subsubsection-in-toc-shaded}{gotham-bullet}{
2745 \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection-number, fill=colorBackElement!20]{
2746 \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection, text=colorBackElement!20]{\usebea
2747 }

```

(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*.

```

2748 \defbeamertemplate{part-in-toc}{gotham-simple}{
2749 {{\inserttocpartnumber}.}~\inserttocpart
2750 \\\
2751 }
2752 \defbeamertemplate{section-in-toc}{gotham-simple}{
2753 {{\inserttocsectionnumber}.}~\inserttocsection
2754 \\\
2755 }
2756 \defbeamertemplate{subsection-in-toc}{gotham-simple}{
2757 \quad{{\inserttocsectionnumber}. \inserttocsubsectionnumber.}~\inserttocsubsection
2758 \\\

```

```

2759 }
2760 \defbeamertemplate{subsubsection-in-toc}{gotham-simple}{
2761 \quad{\inserttocsectionnumber}.\inserttocsubsectionnumber.\inserttocsubsubsectionnumber.}
2762 \\\
2763 }

```

(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
`meremplate{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*.

```

2764 \defbeamertemplate{background-canvas}{toc/gotham-simple}{
2765 \ifbeamercolorempy[bg]{standin}{}{
2766 \color{bg}\vrule width\paperwidth height\paperheight
2767 }
2768 }
2769 \defbeamertemplate{toc-page}{gotham-simple}{
2770 \setbeamertemplate{part-in-toc}[gotham-simple]
2771 \setbeamertemplate{section-in-toc}[gotham-simple]
2772 \setbeamertemplate{subsection-in-toc}[gotham-simple]
2773 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2774 \setbeamertemplate{background-canvas}[toc/gotham-simple]
2775 }
2776 \defbeamertemplate{toc-page}{gotham-bullet}{
2777 \setbeamertemplate{part-in-toc}[gotham-bullet]
2778 \setbeamertemplate{section-in-toc}[gotham-bullet]
2779 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
2780 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
2781 \setbeamertemplate{background-canvas}[toc/gotham-simple]
2782 }

```

(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*.

```

2783 \newenvironment{tocenv}{
2784 \usebeamertemplate{toc-page}

```

```

2785 }{}
2786 \__gotham_add_beamerframe_key:n {toc}

```

(End of definition for `\begin{frame}[toc]`. This function is documented on page 31.)

`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*.

```

2787 \defbeamertemplate{background-canvas}{toc-part-gotham}{
2788 \ifbeamercolorempty[bg]{normal-text}{\color{bg}\vrule width\paperwidth height\paperheight}
2789 }
2790 \defbeamertemplate{background-canvas}{toc-section-gotham}{
2791 \ifbeamercolorempty[bg]{normal-text}{\color{bg}\vrule width\paperwidth height\paperheight}
2792 }
2793 \defbeamertemplate{background-canvas}{toc-subsection-gotham}{
2794 \ifbeamercolorempty[bg]{normal-text}{\color{bg}\vrule width\paperwidth height\paperheight}
2795 }

```

(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*.

```

2796 \defbeamertemplate{toc-part-frame}{gotham-simple}{
2797 \setbeamertemplate{part-in-toc}[gotham-simple]
2798 \setbeamertemplate{section-in-toc}[gotham-simple]
2799 \setbeamertemplate{subsection-in-toc}[gotham-simple]
2800 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2801 \setbeamertemplate{background-canvas}[toc-part-gotham]
2802 \setbeamertemplate{frametitle}[toc-gotham]
2803 % \usebeamertemplate*{part-page}% already included
2804 }
2805 \defbeamertemplate{toc-section-frame}{gotham-simple}{
2806 \setbeamertemplate{part-in-toc}[gotham-simple]
2807 \setbeamertemplate{section-in-toc}[gotham-simple]
2808 \setbeamertemplate{subsection-in-toc}[gotham-simple]
2809 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2810 \setbeamertemplate{background-canvas}[toc-section-gotham]
2811 \setbeamertemplate{frametitle}[toc-gotham]%
2812 % \usebeamertemplate*{section-page}% already included
2813 }
2814 \defbeamertemplate{toc-subsection-frame}{gotham-simple}{
2815 \setbeamertemplate{part-in-toc}[gotham-simple]

```

```

2816 \setbeamertemplate{section-in-toc}[gotham-simple]
2817 \setbeamertemplate{subsection-in-toc}[gotham-simple]
2818 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2819 \setbeamertemplate{background-canvas}[toc-subsection-gotham]
2820 \setbeamertemplate{frametitle}[toc-gotham]
2821 % \usebeamertemplate*{subsection-page}% already included
2822 }

```

(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`.

```

2823 \defbeamertemplate{toc-part-frame}{gotham-bullet}{
2824 \setbeamertemplate{part-in-toc}[gotham-bullet]
2825 \setbeamertemplate{section-in-toc}[gotham-bullet]
2826 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
2827 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
2828 \setbeamertemplate{background-canvas}[toc-part-gotham]
2829 \setbeamertemplate{frametitle}[toc-gotham]
2830 % \usebeamertemplate*{part-page}% already included
2831 }
2832 \defbeamertemplate{toc-section-frame}{gotham-bullet}{
2833 \setbeamertemplate{part-in-toc}[gotham-bullet]
2834 \setbeamertemplate{section-in-toc}[gotham-bullet]
2835 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
2836 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
2837 \setbeamertemplate{background-canvas}[toc-section-gotham]
2838 \setbeamertemplate{frametitle}[toc-gotham]%
2839 % \usebeamertemplate*{section-page}% already included
2840 }
2841 \defbeamertemplate{toc-subsection-frame}{gotham-bullet}{
2842 \setbeamertemplate{part-in-toc}[gotham-bullet]
2843 \setbeamertemplate{section-in-toc}[gotham-bullet]
2844 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
2845 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
2846 \setbeamertemplate{background-canvas}[toc-subsection-gotham]
2847 \setbeamertemplate{frametitle}[toc-gotham]
2848 % \usebeamertemplate*{subsection-page}% already included
2849 }

```

(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`.

```

2850 \bool_new:N \l_gotham_tocpartframe
2851 \bool_set_false:N \l_gotham_tocpartframe
2852 \define@key{beamerframe}{tocpart}[true]{
2853   \bool_set_true:N \l_gotham_tocpartframe
2854   \begingroup
2855     \usebeamertemplate{toc-part-frame}
2856   }
2857 \apptocmd{\beamer@reseteecodes}{
2858   \bool_if:NTF \l_gotham_tocpartframe {
2859     \endgroup
2860     \bool_set_false:N \l_gotham_tocpartframe
2861   }{}
2862 }{}{}
2863 % \define@key{beamerframe}{tocpart}[true]{
2864 %   \thispagestyle{navigation@tocpart}
2865 % }
2866 % \def\ps@navigation@tocpart{
2867 %   \usebeamertemplate{toc-part-frame}
2868 %   \@nameuse{ps@navigation}
2869 % }

```

(End of definition for `]\begin{frame}[tocpart]`. This function is documented on page [31](#).)

`]\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`.

```

2870 \bool_new:N \l_gotham_tocsectionframe
2871 \bool_set_false:N \l_gotham_tocsectionframe
2872 \define@key{beamerframe}{tocsec}[true]{
2873   \bool_set_true:N \l_gotham_tocsectionframe
2874   \begingroup
2875     \usebeamertemplate{toc-section-frame}
2876   }
2877 \apptocmd{\beamer@reseteecodes}{
2878   \bool_if:NTF \l_gotham_tocsectionframe {
2879     \endgroup

```

```

2880 \bool_set_false:N \l_gotham_tocsectionframe
2881 }{}
2882 }{}{}
2883 % \define@key{beamerframe}{tocsec}[true]{
2884 %   \thispagestyle{navigation@tocsec}
2885 % }
2886 % \def\ps@navigation@tocsec{
2887 %   \usebeamertemplate{toc~section~frame}
2888 %   \@nameuse{ps@navigation}
2889 % }

```

(End of definition for `\begin{frame}[tocsec]`. This function is documented on page 31.)

`]\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`.

```

2890 \bool_new:N \l_gotham_tocsubsubsectionframe
2891 \bool_set_false:N \l_gotham_tocsubsubsectionframe
2892 \define@key{beamerframe}{tocsubsec}[true]{
2893 \bool_set_true:N \l_gotham_tocsubsubsectionframe
2894 \begingroup
2895 \usebeamertemplate{toc~subsection~frame}
2896 }
2897 \apptocmd{\beamer@reseteecodes}{
2898 \bool_if:NTF \l_gotham_tocsubsubsectionframe {
2899 \endgroup
2900 \bool_set_false:N \l_gotham_tocsubsubsectionframe
2901 }{}
2902 }{}{}
2903 % \define@key{beamerframe}{tocsubsec}[true]{
2904 %   \thispagestyle{navigation@tocsubsec}
2905 % }
2906 % \def\ps@navigation@tocsubsec{
2907 %   \usebeamertemplate{toc~subsection~frame}
2908 %   \@nameuse{ps@navigation}
2909 % }

```

(End of definition for `\begin{frame}[tocsubsec]`. This function is documented on page 31.)

`]\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*.

```

2910 \bool_new:N \l_gotham_tocsubsubsectionframe
2911 \bool_set_false:N \l_gotham_tocsubsubsectionframe
2912 \define@key{beamerframe}{tocsubsubsec}[true]{
2913 \bool_set_true:N \l_gotham_tocsubsubsectionframe
2914 \begingroup
2915 \usebeamertemplate{toc~subsubsection~frame}
2916 }
2917 \apptocmd{\beamer@reseteecodes}{
2918 \bool_if:NTF \l_gotham_tocsubsubsectionframe {
2919 \endgroup
2920 \bool_set_false:N \l_gotham_tocsubsubsectionframe
2921 }{}
2922 }{}{}
2923 % \define@key{beamerframe}{tocsubsubsec}[true]{
2924 % \thispagestyle{navigation@tocsubsubsec}
2925 % }
2926 % \def\ps@navigation@tocsubsubsec{
2927 % \usebeamertemplate{toc~subsubsection~frame}
2928 % \@nameuse{ps@navigation}
2929 % }

```

(End of definition for `\begin{frame}[tocsubsubsec]`. This function is documented on page 32.)

`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*.

```

2930 \keys_define:nn { gotham / inner }
2931 {
2932 % TOC style
2933 tocfraction-template .usage:n = { general },
2934 tocfraction-template .default:n = { gotham~bullet },
2935 tocfraction-template .code:n = { \__gotham_set_template:nn{toc~page}{#1} }
2936 }
2937
2938 \keys_define:nn { gotham / inner }{
2939 % parttocframe template
2940 parttocframe-template .usage:n = { general },
2941 parttocframe-template .default:n = { gotham~simple },
2942 parttocframe-template .code:n = { \__gotham_set_template:nn{toc~part~frame}{#1} }
2943 }
2944 \keys_define:nn { gotham / inner }

```



```

2945 {
2946 % parttocframe default
2947 parttocframe~default .choice:,
2948 parttocframe~default .usage:n = { general },
2949 parttocframe~default .default:n = { true },
2950
2951 parttocframe~default / true .code:n = { \booltrue{partContent} },
2952 parttocframe~default / on .code:n = { \booltrue{partContent} },
2953 parttocframe~default / enable .code:n = { \booltrue{partContent} },
2954
2955 parttocframe~default / false .code:n = { \boolfalse{partContent} },
2956 parttocframe~default / off .code:n = { \boolfalse{partContent} },
2957 parttocframe~default / disable .code:n = { \boolfalse{partContent} },
2958
2959 parttocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
2960 }
2961
2962 \keys_define:nn { gotham / inner }{
2963 % sectiontocframe template
2964 sectiontocframe~template .usage:n = { general },
2965 sectiontocframe~template .default:n = { gotham~simple },
2966 sectiontocframe~template .code:n = { \__gotham_set_template:nn{toc~section~frame}{#1} }
2967 }
2968 \keys_define:nn { gotham / inner }
2969 {
2970 % sectiontocframe default
2971 sectiontocframe~default .choice:,
2972 sectiontocframe~default .usage:n = { general },
2973 sectiontocframe~default .default:n = { true },
2974
2975 sectiontocframe~default / true .code:n = { \booltrue{sectionContent} },
2976 sectiontocframe~default / on .code:n = { \booltrue{sectionContent} },
2977 sectiontocframe~default / enable .code:n = { \booltrue{sectionContent} },
2978
2979 sectiontocframe~default / false .code:n = { \boolfalse{sectionContent} },
2980 sectiontocframe~default / off .code:n = { \boolfalse{sectionContent} },
2981 sectiontocframe~default / disable .code:n = { \boolfalse{sectionContent} },
2982
2983 sectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~i
2984 }
2985
2986 \keys_define:nn { gotham / inner }{
2987 % subsectiontocframe template

```

```

2988 subsectiontocframe~template .usage:n = { general },
2989 subsectiontocframe~template .default:n = { gotham~simple },
2990 subsectiontocframe~template .code:n = { \_gotham_set_template:nn{toc~subsection~frame}{#1}
2991 }
2992 \keys_define:nn { gotham / inner }
2993 {
2994 % subsectiontocframe default
2995 subsectiontocframe~default .choice:,
2996 subsectiontocframe~default .usage:n = { general },
2997 subsectiontocframe~default .default:n = { true },
2998
2999 subsectiontocframe~default / true .code:n = { \booltrue{subsectionContent} },
3000 subsectiontocframe~default / on .code:n = { \booltrue{subsectionContent} },
3001 subsectiontocframe~default / enable .code:n = { \booltrue{subsectionContent} },
3002
3003 subsectiontocframe~default / false .code:n = { \boolfalse{subsectionContent} },
3004 subsectiontocframe~default / off .code:n = { \boolfalse{subsectionContent} },
3005 subsectiontocframe~default / disable .code:n = { \boolfalse{subsectionContent} },
3006
3007 subsectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
3008 }

```

(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.

```

3009 \newlength{\gotham@blocksep}
3010 \newlength{\gotham@blockadjust}
3011 \setlength{\gotham@blocksep}{0.75ex}
3012 \setlength{\gotham@blockadjust}{0.25ex}
3013 \providecommand{\gotham@strut}{
3014 \vphantom{ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz (/)}
3015 }

```

(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
3016 \newlength{\gotham@parskip}
3017 \setlength{\gotham@parskip}{0.5em}
3018 \setlength{\parskip}{\gotham@parskip}

```

```
3019 \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*.

```
3020 \providecommand{\gotham@block}[1]{
3021   \par\vskip\medskipamount
3022   \setlength{\parskip}{0pt}
3023
3024   % If a background color is defined for the block title or body, we need to add a little bit
3025   % Ideally, this would be accomplished by setting |colsep=0.75ex|, which is intended to add
3026   % Unfortunately, |colsep| also adds this separation if the background color is inherited, e
3027   % (The technical reason for this boils down to the fact that the |\ifx| directive does not
3028   %
3029   % To achieve the correct spacing for |alertblock|s and |exampleblock|s as well as for norma
3030   %
3031   % If the |block title| background is empty, or the user has explicitly removed the backgroun
3032   \ifbeamercolorempty[bg]{block~title#1}{%
3033     \begin{beamercolorbox}[rightskip=0pt~plus~4em]{block~title#1}
3034   }{
3035     \ifbeamercolorempty[bg]{block~title}{
3036       \begin{beamercolorbox}[rightskip=0pt~plus~4em]{block~title#1}
3037     }
3038     % Otherwise, if the |block title| has a background, we set the padding based on |\gotham@
3039     % However, we have to visually compensate for the |\gotham@strut| added to the block title
3040     %
3041     {
3042       \begin{beamercolorbox}[
3043         sep=\dimexpr\gotham@blocksep-\gotham@blockadjust\relax,
3044         leftskip=\gotham@blockadjust,
3045         rightskip=\dimexpr\gotham@blockadjust~plus~4em\relax,
3046       ]{block~title#1}
3047     }
3048   }
3049   % We can now set the contents of the |block title|.
3050   % The zero-width but positive-height box |\gotham@strut| ensures that the block title box h
3051   %
3052   \usebeamerfont*{block~title#1}
3053   \gotham@strut
```

```

3054 \insertblocktitle
3055 \gotham@strut
3056 \end{beamercolorbox}
3057 % Next, we typeset the |block body|.
3058 % This the code is similar to, but simpler than, the |block title| code since we don't need
3059 \nointerlineskip
3060 \ifbeamercolorempy[bg]{block~body#1}{
3061 \begin{beamercolorbox}[vmode]{block~body#1}
3062 }{
3063 \ifbeamercolorempy[bg]{block~body}{
3064 \begin{beamercolorbox}[vmode]{block~body#1}
3065 }{
3066 \begin{beamercolorbox}[sep=\gotham@blocksep, vmode]{block~body#1}
3067 \vspace{-\gotham@parskip}
3068 }
3069 }
3070 \usebeamerfont{block~body#1}
3071 \setlength{\parskip}{\gotham@parskip}
3072 }
3073 % 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*.

```

3074 % \defbeamertemplate*{block~begin}{gotham}{\gotham@block{}}
3075 % \defbeamertemplate*{block~alerted~begin}{gotham}{\gotham@block{~alerted}}
3076 % \defbeamertemplate*{block~example~begin}{gotham}{\gotham@block{~example}}
3077 % \defbeamertemplate*{block~end}{gotham}{\end{beamercolorbox}\vspace*{0.2ex}}
3078 % \defbeamertemplate*{block~alerted~end}{gotham}{\end{beamercolorbox}\vspace*{0.2ex}}
3079 % \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*.

```

3080 \defbeamertemplate*{itemize~item}{gotham}{%\textbullet}

```

```

3081 \Large
3082 \setbeamertemplate{itemize-item}[circle]
3083 \usebeamertemplate{itemize-item}
3084 }
3085 \defbeamertemplate*{itemize-subitem}{gotham}{%$\blacktriangleright$
3086 \scriptsize
3087 \setbeamertemplate{itemize-subitem}[triangle]
3088 \usebeamertemplate{itemize-subitem}
3089 }
3090 \defbeamertemplate*{itemize-subsubitem}{gotham}{%square or -
3091 \Tiny
3092 $\blacksquare$ % \textbf{-}
3093 % \setbeamertemplate{itemize-subsubitem}[square]
3094 % \usebeamertemplate{itemize-subsubitem} % not working because the size of the square is ha
3095 }
3096
3097 %% TRY: enumitem package, enumitem and beamer are incompatible.
3098 % \setitemize[label=\usebeamerfont*{itemize-item}
3099 % \usebeamerfont{fg}{itemize-item}
3100 % \usebeamertemplate{itemize-item}}
3101 %% I tried to redefine everything to make them compatible, but it breaks the [alert] environ
3102

```

(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*.

```

3103 \defbeamertemplate*{caption-label-separator}{gotham}{:~}
3104 \setbeamertemplate{caption}[numbered]
3105 \defbeamertemplate*{footnote}{gotham}{
3106 \parindent~0em\noindent
3107 \raggedright
3108 \usebeamerfont{footnote}\hbox~to~0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par
3109 }

```

(End of definition for `\defbeamertemplate{caption}` and `\defbeamertemplate{footnote}`. These functions are documented on page 32.)

`Default_inner_keys` Apply default key options.

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

```

3110 % when no value is given, default is called.

```

```

3111 \keys_set:nn { gotham / inner } {
3112   title~page,
3113   watermark~template, watermark~default,
3114   standout~template, standin~template,
3115   partframe~template, partframe~default,
3116   sectionframe~template, sectionframe~default,
3117   subsectionframe~template, subsectionframe~default,
3118   subsubsectionframe~template, subsubsectionframe~default,
3119   tocf~template,
3120   parttoctocframe~template, parttoctocframe~default,
3121   sectiontoctocframe~template, sectiontoctocframe~default,
3122   subsectiontoctocframe~template, subsectiontoctocframe~default,
3123   % subsubsectiontoctocframe~template, subsubsectiontoctocframe~default,
3124 }

```

(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`.

```

3125 \ProcessKeyOptions[ gotham / inner ]
3126 % \mode<all>

```

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

```

3127 %\endinput
3128 </inner>

```

```

3129 <*outer>
3130 \ProvidesExplPackage{beamerouterthemegotham}{2024-11-11}{1.2.0.a}{gotham outer theme}
3131 \RequirePackage{expl3}
3132 \RequirePackage{xfp}
3133 \RequirePackage{calc}
3134 \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.

```

3135 \@ifundefined{\string\color@colorProgBar}{
3136   \providebool{darkBG} \boolfalse{darkBG}
3137   \providebool{transparentBG} \booltrue{transparentBG}

```

```

3138 \colorlet{colorBG}{white}
3139 \colorlet{colorFG}{black}
3140 \colorlet{colorFrametitle}{purple}
3141 \colorlet{colorStandout}{purple}
3142 \colorlet{colorStandin}{purple}
3143 \colorlet{colorTitlepage}{purple}
3144 \colorlet{colorFiligrane}{gray}
3145 \colorlet{colorBackElement}{gray}
3146 \colorlet{colorProgBar}{orange}
3147 \colorlet{colorAlert}{red}
3148 \colorlet{colorExample}{green}
3149 \setbeamercolor{progress~bar}{
3150   use=alerted~text,
3151   fg=colorProgBar,
3152   bg=alerted~text.fg!50!black!30
3153 }
3154 \setbeamercolor{progress~bar~in~head/foot}{%
3155   use=progress~bar,
3156   parent=progress~bar
3157 }
3158 \setbeamercolor{progress~bar~in~part~page}{
3159   use=progress~bar,
3160   parent=progress~bar
3161 }
3162 \setbeamercolor{progress~bar~in~section~page}{
3163   use=progress~bar,
3164   parent=progress~bar
3165 }
3166 \setbeamercolor{progress~bar~in~splitvert}{
3167   use=progress~bar,
3168   parent=progress~bar
3169 }
3170 \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
3171 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
3172 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
3173 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
3174 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
3175 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
3176 }{
3177 % else the colors are defined: this is fine.
3178 }

```

(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

```
3179 \prop_if_exist:NTF \l__gotham_template_name_prop
3180 {}{
3181 % if not defined than define it.
3182 \prop_new:N \l__gotham_template_name_prop
3183 }
```

(End of definition for \l__gotham_template_name_prop.)

`\l__gotham_tmpa_seq` tmp variables

```
\l__gotham_tmpa_tl
\l__gotham_tmpb_tl
3184 \seq_if_exist:NTF \l__gotham_tmpa_seq
3185 {}{
3186 % sequence
3187 \seq_new:N \l__gotham_tmpa_seq
3188 }
3189 \tl_if_exist:NTF \l__gotham_tmpa_tl
3190 {}{
3191 % token list A
3192 \tl_new:N \l__gotham_tmpa_tl
3193 }
3194 \tl_if_exist:NTF \l__gotham_tmpb_tl
3195 {}{
3196 % token list B
3197 \tl_new:N \l__gotham_tmpb_tl
3198 }
```

(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-044.

```
3199 \cs_if_exist:NTF \\_gotham_set_prop_template:nn {}{
3200 % if it doesn't exist, then create it.
3201 \cs_new_protected:Nn \\_gotham_set_prop_template:nn
3202 {
3203 % Check if the first argument contains a /
3204 \tl_if_in:nnTF { #1 } { / }
3205 {
3206 % Split the first around the /
3207 \seq_set_split:Nnn \\_gotham_tmpa_seq { / } { #1 }
3208 \tl_set:Nn \\_gotham_tmpa_tl { \seq_item:Nn \\_gotham_tmpa_seq { 1 } }
3209 \tl_set:Nn \\_gotham_tmpb_tl { \seq_item:Nn \\_gotham_tmpa_seq { 2 } }
3210 % Check if template exist
3211 \cs_if_exist:cTF {beamer@@tmpop@\exp_not:V \\_gotham_tmpa_tl @\exp_not:V \\_gotham_tmpb_tl}
3212 % set the value in the map, so it can be called later.
3213 \prop_put:Nnn \\_gotham_template_name_prop {#1} {#2}
3214 % \setbeamertemplate{#1}[#2]
3215 }{
3216 \PackageError{beamerthemegotham}
3217 {The-beamer-template-named-'\\_gotham_tmpa_tl'-with-the-option-'\\_gotham_tmpb_tl/#2'-
3218 {helping-message}
3219 }
3220 }{% false -> error
3221 \PackageError{beamerthemegotham}
3222 {
3223 When-using-'\\c_backslash_str\cs_to_str:N \\_gotham_set_prop_template'-the-first-argument
3224 As-example:~if~'\\c_backslash_str defbeamertemplate{background}{watermark/gotham-draft}'
3225 }{helping-message}
3226 }
3227 }
3228 }
```

`__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.

```
3229 \seq_if_exist:NTF \l__gotham_frameoption_tmp_seq {}{
3230 % Define the sequence of frameoptions environments to close
3231 \seq_new:N \l__gotham_frameoption_tmp_seq
3232 }
3233
3234 \cs_if_exist:NTF \__gotham_add_beamerframe_key:n {}{
3235 % if it doesn't exist, then create it.
3236
3237 % Define the command to add frameoptions
3238 \cs_new_protected:Nn \__gotham_add_beamerframe_key:n {
3239 \define@key{beamerframe}{#1}[true]{
3240 \begin{#1env}
3241 \seq_put_left:Nn \l__gotham_frameoption_tmp_seq { \end{#1env} }
3242 }
3243 }
3244
3245 % At the end of frames close the opened environments.
3246 \apptocmd{\beamer@reseteecodes}{
3247 % Join elements in the queue without separator then output the result
3248 \seq_use:Nn \l__gotham_frameoption_tmp_seq {}
3249 % clear working queue
3250 \seq_clear:N \l__gotham_frameoption_tmp_seq
3251 }{}{}
3252 }
```

`_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.

```
3253 \cs_if_exist:NTF \_gotham_set_template:nn {}{
3254   % If it doesn't exist, then create it.
3255
3256   % Define the command to set template if it exists.
3257   \cs_new_protected:Nn \_gotham_set_template:nn
3258   {
3259     \cs_if_exist:cTF {beamer@tmpop@#1@#2} {
3260       \setbeamertemplate{#1}[#2]
3261     }{
3262       \PackageError{beamerinnerthemegotham}
3263       {The~beamer~template~named~'#1'~with~the~option~'#2'~does~not~exist}
3264       {helping~message~unknown~setbeamertemplate~option}
3265     }
3266   }
3267 }
```

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.

```
3268 % sidebar lengths
3269 \newlength{\sidebarRightHOffset}
3270 \setlength{\sidebarRightHOffset}{-2.5ex}
3271 \newlength{\sidebarLeftHOffset}
3272 \setlength{\sidebarLeftHOffset}{+0.5ex}
```

(End of definition for `\sidebarRightHOffset` and `\sidebarLeftHOffset`. These variables are documented on page 33.)

`\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.

```

3273 % Command to add filigrane/edging in sidebar
3274 \providecommand{\gothamRightFiligrane}{
3275 % left empty intentionally
3276 % \rotatebox{90}{gotham right filigrane pattern}
3277 }
3278 \providecommand{\gothamLeftFiligrane}{
3279 % left empty intentionally
3280 % \rotatebox{-90}{\hspace*{5em} gotham left filigrane pattern}
3281 }

```

(End of definition for \gothamRightFiligrane and \gothamLeftFiligrane. These functions are documented on page 33.)

`\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.

```

3282 \defbeamertemplate{sidebar~right}{default/beamer}{
3283 \vfill
3284 \llap{\insertlogo\hskip0.1cm}
3285 \vskip2pt
3286 \llap{\usebeamertemplate***{navigation~symbols}\hskip0.1cm}
3287 \vskip2pt
3288 }
3289 \defbeamertemplate{sidebar~right}{default/empty}{}
3290 \defbeamertemplate{sidebar~canvas~right}{default/empty}{}
3291 \defbeamertemplate{sidebar~canvas~right}{default/gotham~filigrane}{
3292 % pull to the left otherwise, the filigrane is outside of the frame.
3293 \hspace*{\sidebarRightHOffset}
3294 \gothamRightFiligrane
3295 }
3296 \defbeamertemplate{sidebar~left}{default/empty}{}
3297 \defbeamertemplate{sidebar~canvas~left}{default/empty}{}
3298 \defbeamertemplate{sidebar~canvas~left}{default/gotham~filigrane}{
3299 \hspace*{\sidebarLeftHOffset}
3300 \gothamLeftFiligrane
3301 }
3302 % Add the template to the prop (dictionary) of background template to use according to the s
3303 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~left/default} {gotham~filigrane}
3304 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~right/default} {gotham~filigrane}

```

```

3305 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~left/default} {empty}
3306 \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*.

```

3307 \bool_new:N \l_gotham_defaultEdging
3308 \bool_set_false:N \l_gotham_defaultEdging
3309 % At every new frame, reset the options to default (unless some options/keys are given)
3310 \BeforeBeginEnvironment{frame}{
3311 \bool_if:NTF \l_gotham_defaultEdging {
3312 \setbeamertemplate{sidebar~canvas~left}[default/\prop_item:Nn \l__gotham_template_name_pro
3313 \setbeamertemplate{sidebar~canvas~right}[default/\prop_item:Nn \l__gotham_template_name_pr
3314 }{
3315 % false
3316 \setbeamertemplate{sidebar~canvas~left}[default/empty]
3317 \setbeamertemplate{sidebar~canvas~right}[default/empty]
3318 }
3319 }

```

(End of definition for `\l_gotham_defaultEdging`. This function is documented on page 33.)

`]\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*.

```

3320 % bool to trigger the add of edging in sidebar canvas
3321 \newenvironment{edgingenv}{
3322 \setbeamertemplate{sidebar~canvas~left}[
3323 default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~left/default}
3324 ]
3325 \setbeamertemplate{sidebar~canvas~right}[
3326 default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~right/default}
3327 ]
3328 }{}
3329 \__gotham_add_beamerframe_key:n {edging}

```

(End of definition for `]\begin{frame}[edging]`. This function is documented on page 33.)

`]\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`.

```

3330 % bool to trigger the add of noedging in sidebar canvas
3331 \newenvironment{noedgingenv}{
3332   \setbeamertemplate{sidebar~canvas~left}[default/empty]
3333   \setbeamertemplate{sidebar~canvas~right}[default/empty]
3334 }{}
3335 \__gotham_add_beamerframe_key:n {noedging}

```

(End of definition for `]\begin{frame}[noedging]`. This function is documented on page [33](#).)

`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`.

```

3336 \keys_define:nn { gotham / outer }
3337 {
3338   % sidebar~canvas~right template
3339   sidebar~canvas~right~template .usage:n = { general },
3340   sidebar~canvas~right~template .default:n = { gotham-filigrane },
3341   sidebar~canvas~right~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~right}
3342 }
3343 \keys_define:nn { gotham / outer }
3344 {
3345   % sidebar~canvas~left template
3346   sidebar~canvas~left~template .usage:n = { general },
3347   sidebar~canvas~left~template .default:n = { gotham-filigrane },
3348   sidebar~canvas~left~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~left}
3349 }
3350 \keys_define:nn { gotham / outer }{
3351   % edging default
3352   edging~default .choice:,
3353   edging~default .usage:n = { general },
3354   edging~default .default:n = { false },
3355
3356   edging~default / true .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3357   edging~default / on .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3358   edging~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3359
3360   edging~default / false .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3361   edging~default / off .code:n = { \bool_set_false:N \l_gotham_defaultEdging },

```

```

3362 edging~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3363
3364 edging~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'~is~unknown
3365 }

```

(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.

```

3366 \defbeamertemplate*{navigation~symbols}{empty}{}

```

(End of definition for \defbeamertemplate{navigation~symbols}{empty}. This function is documented on page ??.)*

`\defbeamertemplate{navigation~symbols}{horizontal}` From Beamer default theme.

The following test files are used for this code: gotham-test-045.

```

3367 % \setbeamertemplate{navigation~symbols}[vertical]
3368 % \setbeamertemplate{navigation~symbols}[only~frame~symbol]
3369 % \setbeamertemplate{navigation~symbols}[default]% = horizontal
3370 % \defbeamertemplate{navigation~symbols}{horizontal}{
3371 %   \usebeamercolor[fg]{navigation~symbols}
3372 %   \insertslidenavigationsymbol
3373 %   \insertframenavigationsymbol
3374 %   \insertsubsectionnavigationsymbol
3375 %   \insertsectionnavigationsymbol
3376 %   \insertdocnavigationsymbol
3377 %   \insertbackfindforwardnavigationsymbol
3378 % }

```

(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.

```

3379 \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`.

```
3380 % bool to trigger the add of nologo action on frame.
3381 \newenvironment{nologoenv}{
3382   \setbeamertemplate{logo}[empty]
3383 }{}
3384 \__gotham_add_beamerframe_key:n {nologo}
```

(End of definition for `]\begin{frame}[nologo]`. This function is documented on page 34.)

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`.

```
3385 \defbeamertemplate{headline}{default/gotham}{}
3386 \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`.

```
3387 \defbeamertemplate{headline}{default/gotham-section}{
3388   \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
3389   \usebeamerfont{section-in-head/foot}\hspace*{3.5ex}
3390   \usebeamertemplate{section-in-head/foot}
3391   \end{beamercolorbox}
3392 }
```

(End of definition for `defbeamertemplate{headline}{default/gotham-section}`. This function is documented on page ??.)

Frametitle

`\gothamFrametitleToppading` Dimensions of lengths used in the frametitle: top, bottom, left and right padding. All of them are equal to 2.2ex by default.

`\gothamFrametitleBottompadding`
`\gothamFrametitleLeftpadding`
`\gothamFrametitleRightpadding`

```

3393 \newlength{\gothamFrametitleToppading}
3394 \newlength{\gothamFrametitleBottompadding}
3395 \newlength{\gothamFrametitleLeftpadding}
3396 \newlength{\gothamFrametitleRightpadding}
3397 \setlength{\gothamFrametitleToppading}{2.2ex}
3398 \setlength{\gothamFrametitleBottompadding}{2.2ex}
3399 \setlength{\gothamFrametitleLeftpadding}{2.2ex}
3400 \setlength{\gothamFrametitleRightpadding}{2.2ex}
3401 % \gotham@strut from inner
3402 \providecommand{\gotham@strut}{
3403   \vphantom{ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz (/)}
3404 }

```

(End of definition for \gothamFrametitleToppading and others. These variables are documented on page 34.)

`\gotham@frametitlestrut@start`
`\gotham@frametitlestrut@end`

Commands used to control the space over and under the title in frametitle.

The following test files are used for this code: gotham-test-046, gotham-test-046b, gotham-test-047.

```

3405 \providecommand{\gotham@frametitlestrut@start}{
3406   \rule{0pt}{\gothamFrametitleToppading +
3407     \totalheightof{
3408       \ifcsdef{gotham@frametitleformat}{\gotham@frametitleformat{X}}{X}
3409     }
3410   }
3411 }
3412 \providecommand{\gotham@frametitlestrut@end}{
3413   \rule[-\gothamFrametitleBottompadding]{0pt}{\gothamFrametitleBottompadding}
3414 }

```

(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.

```
3415 \providecommand{\gothamInstituteLogoSquare}[1][4ex]{
3416   %\includegraphics[height=#1]{gotham-logo.pdf}
3417 }
3418 \defbeamertemplate{includeLogo}{default/gotham~square}{
3419   \gothamInstituteLogoSquare
3420 }
3421 \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.

```
3422 \defbeamertemplate{includeLogo}{default/gotham~circle}{
3423   \gothamProgressCircle
3424 }
```

(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.

```
3425 \defbeamertemplate{instituteLogo}{default/gotham}{
3426   % \raisebox{lift}[height][depth]{text}
3427   \raisebox{0pt}[0pt][0pt]{
3428     \raisebox{.5\fontcharht\font'E-0.5\height}{
3429       % \setbeamertemplate{}[]
3430       \setbeamertemplate{includeLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {incl
3431       \usebeamertemplate{includeLogo}
3432     }
3433   }
3434 }
3435 \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.

```
3436 \providecommand{\gothamFrameSubtitleSep}{
3437 % \[-.42em] % if newline (as default Beamer)
3438 % or if same line with a -- separator.
3439 \ ----
3440 }
```

`\gothamFramesubtitleStrutend` Length used in vspace at the end of framesubtitle.

```
3441 \newlength{\gothamFramesubtitleStrutend}
3442 \setlength{\gothamFramesubtitleStrutend}{0pt}
3443 % \setlength{\gothamFramesubtitleStrutend}{-1.25ex} %% When \newcommand{\gothamFrameSubtitle
```

(End of definition for \gothamFramesubtitleStrutend. This variable is documented on page 35.)

`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.

```
3444 \defbeamertemplate{frametitle}{default/gotham-subsameline}{
3445 \nointerlineskip
3446 \begin{beamercolorbox}[
3447 wd=\paperwidth,
3448 sep=0pt,
3449 leftskip=\gothamFrametitleLeftpadding,
3450 rightskip=\gothamFrametitleRightpadding,
3451 ]{frametitle}
3452 \gotham@frametitlestrut@start
3453 \insertframetitle
3454 \ifx\insertframesubtitle\@empty
3455 %% if subtitle to the frame is empty
3456 \else
3457 %% if not empty: add subtitle
3458 {\usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\gothamFrameSubtitleSep \
3459 \vspace*{\gothamFramesubtitleStrutend}
3460 \fi
3461 \nolinebreak
3462 %% Add logo
3463 \hfill{
3464 \setbeamertemplate{instituteLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {instituteLogo}]
}
```

```

3465   \usebeamertemplate{instituteLogo}
3466   }
3467   \gotham@frametitlestrut@end
3468   \end{beamercolorbox}
3469 }
3470 \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*.

```

3471 \dim_new:N \l__gotham_framesubtitle_subnewline_strutend_dim
3472 \defbeamertemplate{framesubtitle}{default/gotham~subnewline}{
3473   \nointerlineskip
3474   \begin{beamercolorbox}[
3475     wd=\paperwidth,
3476     sep=0pt,
3477     leftskip=\gothamFrametitleLeftpadding,
3478     rightskip=\gothamFrametitleRightpadding,
3479   ]{frametitle}
3480   % put the subtitle in a raisebox to have no influence on the result.
3481   \raisebox{0pt}[0pt][0pt]{
3482     \raisebox{-0.3ex}{
3483       { \usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\insertframesubtitle}
3484     }
3485   }
3486   % add 1ex to take into account the subtitle height.
3487   \dim_set:Nn \l__gotham_framesubtitle_subnewline_strutend_dim {1.ex+\gothamFramesubtitleStrutend}
3488   \vspace{\l__gotham_framesubtitle_subnewline_strutend_dim}
3489   \end{beamercolorbox}
3490 }
3491 \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*.

```

3492 \defbeamertemplate{frametitle}{default/gotham~subnewline}{
3493   \nointerlineskip
3494   \begin{beamercolorbox}[

```

```

3495 wd=\paperwidth,
3496 sep=0pt,
3497 leftskip=\gothamFrametitleLeftpadding,
3498 rightskip=\gothamFrametitleRightpadding,
3499 ]{frametitle}
3500 \gotham@frametitlestrut@start
3501 \insertframetitle
3502 \nolinebreak
3503 \hfill{
3504   \setbeamertemplate{instituteLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {instituteLogo}]
3505   \usebeamertemplate{instituteLogo}
3506 }
3507 \gotham@frametitlestrut@end
3508 \end{beamercolorbox}
3509 %% End of the frametitle box, start then use the subtitle template if needed.
3510 \ifx\insertframesubtitle\@empty
3511   %% if subtitle to the frame is not empty
3512 \else
3513   % reduce vertical space to have a 1pt overlap, so no white line appears with vectorial view
3514   \vspace*{-1pt}
3515   % add the subtitle
3516   \setbeamertemplate{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {framesubtitle}]
3517   % \setbeamertemplate{framesubtitle}%[framesubtitle/default]
3518   \usebeamertemplate{framesubtitle}
3519 \fi
3520 }

```

(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`.

```

3521 \keys_define:nn { gotham / outer }{
3522   % frametitle template
3523   frametitle~template .usage:n = { general },
3524   frametitle~template .default:n = { gotham~subsameline },
3525   frametitle~template .code:n = {
3526     \__gotham_set_prop_template:nn{frametitle/default}{#1}
3527     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {frametitle}]
3528   }
3529 }
3530 \keys_define:nn { gotham / outer }{
3531   % frametitle template

```

```

3532 framesubtitle~template .usage:n = { general },
3533 framesubtitle~template .default:n = { gotham~subnewline },
3534 framesubtitle~template .code:n = {
3535   \__gotham_set_prop_template:nn{framesubtitle/default}{#1}
3536   \setbeamerfont{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fra
3537 }
3538 }

```

(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*.

```

3539 \defbeamerfont{framesubtitle-continuation}{default/beamer}{
3540   \usebeamerfont{framesubtitle}
3541   {
3542     \MakeUppercase{\romannumeral \insertcontinuationcount}
3543   }
3544 }

```

(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*.

```

3545 \defbeamerfont{framesubtitle-continuation}{default/tot}{
3546   \usebeamerfont{framesubtitle}
3547   {
3548     \textmd{%
3549       [\insertcontinuationcount
3550       \,/\,%
3551       \the\numexpr\beamer@endpageofframe+1-\beamer@startpageofframe
3552       ]%
3553     }%
3554   }
3555 }

```

(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*.

```
3556 \defbeamertemplate{frametitle-continuation}{default/gotham}{
3557   \usebeamerfont{frametitle}
3558   {
3559     %\small
3560     (\romannumeral \insertcontinuationcount)
3561   }
3562 }
3563 \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*.

```
3564 \keys_define:nn { gotham / outer }{
3565   % frametitle template
3566   frametitle-continuation-template .usage:n = { general },
3567   frametitle-continuation-template .default:n = { gotham },
3568   frametitle-continuation-template .code:n = {
3569     \__gotham_set_prop_template:nn{frametitle-continuation/default}{#1}
3570     \setbeamertemplate{frametitle-continuation}[default/\prop_item:Nn \l__gotham_template_name
3571   }
3572 }
```

(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*.

```
3573 \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*.

```
3574 % bool to trigger the add of nofootline in frame.
3575 \newenvironment{nofootlineenv}{
3576   \setbeamertemplate{footline}[empty]
3577 }{}
3578 \__gotham_add_beamerframe_key:n {nofootline}
```

(End of definition for `\begin{frame}[nofootline]`. This function is documented on page 35.)

`\gothamFootlineVOffset` Lengths used in footline template.

`\gothamFootlineHeight`

`\gothamFootlineDepth`

```
3579 % Footline lengths
3580 % space between to bottom of the text (or the footnote) and the footline
3581 \newlength{\gothamFootlineVOffset}
3582 \newlength{\gothamFootlineHeight}
3583 \newlength{\gothamFootlineDepth}
3584 \newlength{\gothamFootlineHRightOffset}
3585
3586 \setlength{\gothamFootlineVOffset}{-0.5ex}
3587 \setlength{\gothamFootlineDepth}{0.1ex}
3588 \setlength{\gothamFootlineHeight}{1.5ex}
3589 \setlength{\gothamFootlineHRightOffset}{\spaceskip}
```

(End of definition for `\gothamFootlineVOffset`, `\gothamFootlineHeight`, and `\gothamFootlineDepth`. These variables are documented on page 35.)

`\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*.

```
3590 \defbeamertemplate*{footline}{default/gotham}{
3591   % new line to adjust the footline position.
3592   \vspace*{\gothamFootlineVOffset}
3593   \begin{beamercolorbox}[
3594     wd=\textwidth,
3595     sep=0pt,
3596     leftskip=3ex,
3597     rightskip=3ex,
```



```

3598 ht={\gothamFootlineHeight},
3599 dp={\gothamFootlineDepth},
3600 ]{footline}
3601 \usebeamerfont{page number in head/footer}
3602 \ifbeamertemplateempty{frame~footer}{
3603   %executed if empty
3604   \hfill \ \gotham@strut
3605 }{
3606   %\executed otherwise}
3607 \usebeamertemplate*{frame~footer}
3608 }
3609 \hspace{\gothamRightFooterPadding}
3610 {\usebeamertemplate{page~number~in~head/footer}}
3611 \hspace*{\gothamFootlineHRightOffset}
3612 \end{beamercolorbox}
3613 }
3614 \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`

```

3615 \newlength{\gothamLeftFooterPadding}
3616 \newlength{\gothamRightFooterPadding}
3617 \newlength{\gothamFooterHOffset}
3618 \setlength{\gothamLeftFooterPadding}{2.0ex}
3619 \setlength{\gothamRightFooterPadding}{3.5ex}
3620 \setlength{\gothamFooterHOffset}{0pt}

```

(End of definition for \gothamLeftFooterPadding, \gothamRightFooterPadding, and \gothamFooterHOffset. These variables are documented on page 36.)

`\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.

```

3621 \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*.

```
3622 \defbeamertemplate{frame~footer}{empty}{
3623   \hspace{\gothamLeftFooterPadding}
3624   \hfill \
3625   \gotham@strut
3626   % decrease space between progress bar and footer
3627   \vspace*{\gothamFooterHOffset}
3628 }
```

(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*.

```
3629 % bool to trigger the add of nofooter in frame.
3630 \newenvironment{nofooterenv}{
3631   \setbeamertemplate{frame~footer}[empty]
3632 }{}
3633 \l_gotham_add_beaamerframe_key:n {nofooter}
```

(End of definition for `\begin{frame}[nofooter]`. This function is documented on page 36.)

`\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*.

```
3634 \bool_new:N \l_gotham_defaultRotateFooter
3635 \bool_set_false:N \l_gotham_defaultRotateFooter
3636 \bool_new:N \l_gotham_RotateFooter
3637 \bool_set_false:N \l_gotham_RotateFooter
3638 % At every new frame, reset the options to default (unless some options/keys are given)
3639 \BeforeBeginEnvironment{frame}{
3640   \bool_if:NTF \l_gotham_defaultRotateFooter {
3641     \bool_set_true:N \l_gotham_RotateFooter
3642   }{% false
3643     \bool_set_false:N \l_gotham_RotateFooter
3644   }
3645 }
```

(End of definition for `\l_gotham_defaultRotateFooter`. This function is documented on page 36.)

`]\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`.

```

3646 % bool to trigger
3647 % Capture new options/keys for frames
3648 \define@key{beamerframe}{rotateFooter}[true]{
3649   \bool_set_true:N \l_gotham_RotateFooter
3650 }

```

(End of definition for `]\begin{frame}[rotateFooter]`. This function is documented on page 36.)

`]\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`.

```

3651 % Capture new options/keys for frames
3652 \define@key{beamerframe}{noRotateFooter}[true]{
3653   \bool_set_false:N \l_gotham_RotateFooter
3654 }

```

(End of definition for `]\begin{frame}[noRotateFooter]`. This function is documented on page 36.)

`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`.

```

3655 \keys_define:nn { gotham / outer }{
3656   % rotateFooter default
3657   rotateFooter~default .choice:,
3658   rotateFooter~default .usage:n = { general },
3659   rotateFooter~default .default:n = { false },
3660
3661   rotateFooter~default / true .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3662   rotateFooter~default / on .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3663   rotateFooter~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3664
3665   rotateFooter~default / false .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3666   rotateFooter~default / off .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3667   rotateFooter~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3668
3669   rotateFooter~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u

```

```
3670 }
```

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

```
\gothamFootlineRuleLeftPadding Lengths used in footer template.
\gothamFootlineRuleHeight
\gothamFootlineRuleLength 3671 \newlength{\gothamFootlineRuleLeftPadding}
\gothamHposLeftRotFooter 3672 \newlength{\gothamFootlineRuleHeight}
\gothamHposRightRotFooter 3673 \newlength{\gothamFootlineRuleLength}
\gothamVposLeftRotFooter 3674
\gothamVposRightRotFooter 3675 \setlength{\gothamFootlineRuleLeftPadding}{7mm}
3676 \setlength{\gothamFootlineRuleHeight}{0.0pt}
3677 % \setlength{\gothamFootlineRuleHeight}{0.5pt} % This is nice also but have a cleaner default
3678 \setlength{\gothamFootlineRuleLength}{15mm}
3679
3680 % horizontal position (in picture env) for the rotated footer.
3681 \newlength{\gothamHposLeftRotFooter}
3682 \newlength{\gothamHposRightRotFooter}
3683 \newlength{\gothamVposLeftRotFooter}
3684 \newlength{\gothamVposRightRotFooter}
3685
3686 \setlength{\gothamHposLeftRotFooter}{-7pt}
3687 \setlength{\gothamHposRightRotFooter}{2pt}
3688 \setlength{\gothamVposLeftRotFooter}{15pt}
3689 \setlength{\gothamVposRightRotFooter}{15pt}
```

(End of definition for \gothamFootlineRuleLeftPadding and others. These variables are documented on page 37.)

```
\hlenRightRotFooter Temporary variables for the horizontal length of the rotated footer
\hlenLeftRotFooter
3690 % Not used yet because I need to have a latex3 settowidth equivalent.
3691 % I will maybe take inspiration from https://tex.stackexchange.com/questions/492367/does-exp
3692 % \dim_new:N \l__gotham_HLen_rightRotFooter_dim
3693 % \dim_new:N \l__gotham_HLen_leftRotFooter_dim
3694 \newlength{\hlenRightRotFooter}
3695 \newlength{\hlenLeftRotFooter}
```

(End of definition for \hlenRightRotFooter and \hlenLeftRotFooter. These variables are documented on page ??.)

`\eamertemplate{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.

```
3696 \providecommand{\gothamHookFooter}{}
```

```

3697 \defbeamertemplate{frame~footer}{default/gotham}{
3698   %%% Add a ruler but without affecting the dimensions of the footline
3699   \vbox to Opt{
3700     % Vertical stretch to ensure proper spacing
3701     \vss
3702     \hbox to Opt{
3703       \hspace*{\gothamFootlineRuleLeftPadding}
3704       % \usebeamercolor{frametitle}
3705       % \color{frametitle.bg}
3706       \usebeamercolor{footlineRule}
3707       \color{footlineRule.fg}
3708       \rule{\gothamFootlineRuleLength}{\gothamFootlineRuleHeight}
3709       \vspace*{
3710         \dimexpr \gothamFootlineHeight -0.25em\relax
3711       }
3712       % Horizontal stretch to ensure proper spacing
3713       \hss
3714     }
3715   }
3716   %%% Add Hook
3717   \gothamHookFooter{}
3718   %%% Add short date
3719   \hspace{\gothamLeftFooterPadding}
3720   \settowidth{\hlenLeftRotFooter}{\hspace{-\gothamLeftFooterPadding}}
3721   \addtolength{\hlenLeftRotFooter}{\gothamHposLeftRotFooter}
3722   % \ifbool{rotateFooter}{
3723   \bool_if:NTF \l_gotham_RotateFooter {
3724     % rotateFooter true
3725     \begin{picture}(0,0)(0,0)
3726       \put(\hlenLeftRotFooter,\gothamVposLeftRotFooter){\rotatebox{90}{\insertshortdate}}
3727     \end{picture}
3728   }{
3729     % rotateFooter false
3730     \insertshortdate
3731   }
3732   \hfill \
3733   %%% Add short title
3734   \hfill \ \insertshorttitle
3735   % make sure that the vertical space is constant: strut.
3736   \gotham@strut
3737   \hfill \
3738   \hfill \
3739   %%% Add short author

```

```

3740 \bool_if:NTF \l_gotham_RotateFooter {
3741   % rotateFooter true
3742   \settowidth{\hlenRightRotFooter}{\hspace{\gothamRightFooterPadding}\usebeamertemplate{page
3743   \addtolength{\hlenRightRotFooter}{\gothamHposRightRotFooter}
3744   \begin{picture}(0,0)(0,0)
3745     \put(\hlenRightRotFooter,\gothamVposRightRotFooter){\rotatebox{90}{\insertshortauthor}}
3746   \end{picture}
3747 }{
3748   % rotateFooter false
3749   \insertshortauthor
3750 }
3751 %%% Decrease space between progress bar and footer
3752 \vspace*{\gothamFooterHOffset}
3753 }
3754 \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`.

```

3755 \keys_define:nn { gotham / outer }{
3756   % footer template
3757   footer~template .usage:n = { general },
3758   footer~template .default:n = { gotham },
3759   footer~template .code:n = {
3760     \__gotham_set_prop_template:nn{frame~footer/default}{#1}
3761     \setbeamertemplate{frame~footer}[
3762       default/\prop_item:Nn \l__gotham_template_name_prop {frame~footer/default}
3763     ]
3764   }
3765 }

```

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

Numbering

`\inserttotalframenum` 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`.

```

3766 %
3767 \def\inserttotalframenum{100}

```

(End of definition for `\inserttotalframenummer`. 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*.

```
3768 \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`

```
3769 \newlength{\gothamCircleNumberingVshift}
3770 \newlength{\gothamCircleNumberingHshift}
3771 \setlength{\gothamCircleNumberingVshift}{1.4mm}
3772 \setlength{\gothamCircleNumberingHshift}{2.6mm}
```

(End of definition for `\gothamCircleNumberingVshift` and `\gothamCircleNumberingHshift`. These variables are documented on page 37.)

`rtemplate{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*.

```
3773 \defbeamertemplate{page-number~in-head/foot}{circle}{
3774 % horizontal space between the circle and the right part of the footer (email).
3775 \hspace{+2em}
3776 % \raisebox{lift}[height][depth]{text} => lift here = vertical space between the bottom of
3777 \raisebox{\gothamCircleNumberingVshift}[0pt][0pt]{
3778 \begin{tikzpicture}[remember~picture, overlay]
3779 \coordinate (circleCenter);
3780
3781 \usebeamercolor{frametitle}
3782
3783 \draw[fill, color=frametitle.bg] (circleCenter) circle (6mm);
3784 \draw[fill, color=frametitle.fg] (circleCenter) circle (5mm);
3785 \node[color=frametitle.bg] at (circleCenter)
3786 {\small$\sim{\insertframenummer}\negmedspace/\negthinspace\sb{\inserttotalframenummer}$}
3787 ;
3788 \end{tikzpicture}
3789 % horizontal space between the right border of the page and the center of the circle.
3790 \hspace{\gothamCircleNumberingHshift}
3791 }
3792 }
```

(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`.

```

3793 \keys_define:nn { gotham / outer }{
3794   % numbering
3795   numbering .choice:,
3796   numbering .usage:n = { general },
3797   numbering .default:n = { none },
3798
3799   % \__gotham_set_template:nn{title-page}{#1}
3800   numbering / none .code:n = { \setbeamertemplate{page-number-in-head/foot}[none] },
3801   numbering / framenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[framenummer] },
3802   numbering / totalframenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[totalframenummer] },
3803   numbering / appendixframenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[appendixframenummer] },
3804   numbering / pagenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[pagenummer] },
3805   numbering / totalpagenummer .code:n = { \setbeamertemplate{page-number-in-head/foot}[totalpagenummer] },
3806   numbering / circle .code:n = { \setbeamertemplate{page-number-in-head/foot}[circle] },
3807
3808   numbering / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'~is~unknown~for~
3809 }

```

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

MiniFrames & Progress bar

MiniFrames

`\plate{section-in-head/foot}{default/beamer}` 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`.

```

3810 \defbeamertemplate{section-in-head/foot}{default/beamer}{
3811   \insertsectionhead
3812 }
3813 \defbeamertemplate{section-in-head/foot-shaded}{default/beamer}{
3814   \color{fg!50!bg}\usebeamertemplate{section-in-head/foot}
3815 }
3816
3817 % \defbeamertemplate{includeLogo}{default/gotham-square}{
3818 \prop_put:Nnn \l__gotham_template_name_prop {section-in-head/foot-shaded/default} {beamer}
3819 % \defbeamertemplate{includeLogo}{default/gotham-square}{

```



```
3820 \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 ??.)

`ion-in-head/foot}{default/gotham-secSubsec}` Template for section and subsection in headline.

The following test files are used for this code: *gotham-test-048*.

```
3821 \defbeamertemplate{section~in~head/foot}{default/gotham~secSubsec}{
3822   \insertsectionhead
3823   \ifx\insertsubsection\empty\else
3824     \ifdefempty{\subsecname}{\relax}{
3825       \ \textbar\ \insertsubsectionhead
3826     }
3827   \fi
3828 }
3829 \defbeamertemplate{section~in~head/foot~shaded}{default/gotham~secSubsec}{
3830   \insertsectionhead
3831 }
```

(End of definition for `\defbeamertemplate{section-in-head/foot}{default/gotham-secSubsec}`. This function is documented on page ??.)

`emplate{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*.

```
3832 \defbeamertemplate{section~in~head/foot}{default/empty}{
3833   \vspace{3.875ex}
3834 }
3835 \defbeamertemplate{section~in~head/foot~shaded}{default/empty}{
3836   \vspace{3.875ex}
3837 }
```

(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`

```
3838 \newlength{\gotham@temp@heightFrametitle}
3839 \newlength{\gotham@temp@PaperheightFrametitle}
```

(End of definition for `\gotham@temp@heightFrametitle` and `\gotham@temp@PaperheightFrametitle`. These variables are documented on page ??.)

`d/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.

```

3840 \defbeamertemplate*{mini-nav-progress-head/foot}{gotham-miniframes-theme}
3841 {
3842   %,ht=1.75ex,dp=2.75ex
3843   \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
3844     \hfuzz=\paperwidth
3845     \insertnavigation{\paperwidth}
3846     % \dohead
3847     \vspace{0.05cm}
3848   \end{beamercolorbox}
3849 }
3850 \defbeamertemplate*{mini-nav-progress-left}{gotham-miniframes-theme}
3851 {
3852   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
3853   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppadding+\gothamFrametitleBot
3854
3855   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
3856
3857   \vspace{-0.6\paperheight}
3858   \rotatebox{90}{
3859     %,ht=1.75ex,dp=2.75ex
3860     \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
3861       \hfuzz=\gotham@temp@PaperheightFrametitle
3862       \insertnavigation{\gotham@temp@PaperheightFrametitle}
3863       % \dohead
3864       % \vspace{0.05cm}
3865     \end{beamercolorbox}
3866   }
3867 }
3868 \defbeamertemplate*{mini-nav-progress-right}{gotham-miniframes-theme}
3869 {
3870   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
3871   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppadding+\gothamFrametitleBot
3872
3873   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
3874
3875   \vspace{\gotham@temp@heightFrametitle}
3876   \hspace{-2.3em}
3877   \rotatebox{-90}{
3878     %,ht=1.75ex,dp=2.75ex

```

```

3879 \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
3880 \hfuzz=\gotham@temp@PaperheightFrametitle
3881 \insertnavigation{\gotham@temp@PaperheightFrametitle}
3882 % \dohead
3883 % \vspace{0.05cm}
3884 \end{beamercolorbox}
3885 }
3886 }

```

(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*.

```

3887 \defbeamertemplate{mini-frame}{gotham-box}
3888 {
3889 \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
3890 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}
3891 \pgfusepath{fill,stroke}
3892 \end{pgfpicture}
3893 }[action]{
3894 \setbeamersize{mini-frame-size=.14cm, mini-frame-offset=.05cm}
3895 }
3896 %
3897 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-box}
3898 {
3899 \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
3900 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}
3901 \pgfusepath{stroke}
3902 \end{pgfpicture}
3903 }

```

(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*.

```

3904 \defbeamertemplate{mini-frame}{gotham-minibox}
3905 {
3906 \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}

```

```

3907 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}
3908 \pgfusepath{fill,stroke}
3909 \end{pgfpicture}
3910 }[action]{
3911 \setbeamersize{mini-frame-size=.08cm, mini-frame-offset=.05cm}
3912 }
3913 %
3914 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-minibox}
3915 {
3916 \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}
3917 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}
3918 \pgfusepath{stroke}
3919 \end{pgfpicture}
3920 }

```

(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`.

```

3921 \defbeamertemplate{mini-frame}{gotham-minibullet}
3922 {
3923 \beamer@xlatex@fixminiframes
3924 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
3925 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
3926 \pgfusepath{fill,stroke}
3927 \end{pgfpicture}
3928 }[action]{
3929 \setbeamersize{mini-frame-size=.09cm, mini-frame-offset=.05cm}
3930 }
3931 %
3932 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-minibullet}
3933 {
3934 \beamer@xlatex@fixminiframes
3935 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
3936 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
3937 \pgfusepath{stroke}
3938 \end{pgfpicture}
3939 }

```

(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.

```
3940 \keys_define:nn { gotham / outer }{
3941   %% mini-frames-shape
3942   % mini-frames-shape .choice:,
3943   mini-frames-shape .usage:n = { general },
3944   mini-frames-shape .default:n = { gotham-minibullet },
3945   % \__gotham_set_template:nn{title-page}{#1}
3946   mini-frames-shape .code:n = {
3947     % \__gotham_set_template:nn{mini-frames}{#1}% This can not work since this is an alias, so
3948     \setbeamertemplate{mini-frames}[#1]
3949   },
3950   % mini-frames-shape / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~un
3951   }
```

(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.

```
3952 \defbeamertemplate*{miniframe-home}{beamer}{
3953   % $\equiv$
3954 }
3955 \defbeamertemplate*{miniframe-current-slide}{beamer}{
3956   \usebeamertemplate{mini-frame}
3957 }
3958 \defbeamertemplate*{miniframe-done-current-section}{beamer}{
3959   \usebeamertemplate{mini-frame-in-current-subsection}
3960 }
3961 \defbeamertemplate*{miniframe-todo-current-section}{beamer}{
3962   \usebeamertemplate{mini-frame-in-current-subsection}
3963 }
3964 \defbeamertemplate*{miniframe-done-other-section}{beamer}{
3965   \usebeamertemplate{mini-frame-in-other-subsection}
3966 }
3967 \defbeamertemplate*{miniframe-todo-other-section}{beamer}{
3968   \usebeamertemplate{mini-frame-in-other-subsection}
3969 }
3970 % Templates about should appear sectioning in mini frame.
3971 % \defbeamertemplate*{miniframe-part}{beamer}{}
3972 \defbeamertemplate*{miniframe-section-current}{beamer}{}

```

```

3973 \defbeamertemplate*{miniframe~section~done}{beamer}{}
3974 \defbeamertemplate*{miniframe~section~todo}{beamer}{}
3975 \defbeamertemplate*{miniframe~subsection~current}{beamer}{}
3976 \defbeamertemplate*{miniframe~subsection~todo}{beamer}{}
3977 \defbeamertemplate*{miniframe~subsection~done}{beamer}{}
3978 % \defbeamertemplate*{miniframe~subsubsection}{beamer}{}
3979 \defbeamertemplate*{miniframe~section~done~in~other~section}{default}[1][50]
3980 {
3981 \color{fg!#1!bg}\usebeamertemplate{miniframe~section~done}
3982 }
3983 \defbeamertemplate*{miniframe~section~todo~in~other~section}{default}[1][50]
3984 {
3985 \color{fg!#1!bg}\usebeamertemplate{miniframe~section~todo}
3986 }
3987 \defbeamertemplate*{miniframe~subsection~done~in~other~section}{default}[1][50]
3988 {
3989 \color{fg!#1!bg}\usebeamertemplate{miniframe~subsection~done}
3990 }
3991 \defbeamertemplate*{miniframe~subsection~todo~in~other~section}{default}[1][50]
3992 {
3993 \color{fg!#1!bg}\usebeamertemplate{miniframe~subsection~todo}
3994 }

```

(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*.

```

3995 \defbeamertemplate{miniframe~home}{gotham~mini}{
3996 \resizebox{0.85\beamer@boxsize}{\beamer@boxsize}{\equiv}
3997 % \scalebox{0.5}[0.95]{\equiv}
3998 }
3999 \defbeamertemplate{miniframe~current~slide}{gotham~mini}{
4000 \usebeamercolor[fg]{alerted~text}
4001 \usebeamertemplate{mini~frame}
4002 }
4003 \defbeamertemplate{miniframe~done~current~section}{gotham~mini}{
4004 \usebeamertemplate{mini~frame}
4005 }
4006 \defbeamertemplate{miniframe~todo~current~section}{gotham~mini}{
4007 \usebeamertemplate{mini~frame~in~current~subsection}
4008 }

```

```

4009 \defbeamertemplate{miniframe~done~other~section}{gotham-mini}[1][50]{
4010 \color{fg!#1!bg}\usebeamertemplate{mini~frame}
4011 }
4012 \defbeamertemplate{miniframe~todo~other~section}{gotham-mini}[1][50]{
4013 \color{fg!#1!bg}\usebeamertemplate{mini~frame~in~other~subsection}
4014 }
4015 % Templates about should appear sectioning in mini frame.
4016 % \defbeamertemplate{miniframe~part}{gotham-mini}[1][ ]{
4017 % p
4018 % }
4019 \defbeamertemplate{miniframe~section~current}{gotham-mini}{
4020 \fontsize{3pt}{0pt}\selectfont
4021 % \color{blue}
4022 \tl_use:N \l__gotham_minif_tmpa_tl
4023 \hspace{1.pt}
4024 }
4025 \defbeamertemplate{miniframe~section~done}{gotham-mini}{
4026 \fontsize{3pt}{0pt}\selectfont
4027 % \color{green}
4028 \tl_use:N \l__gotham_minif_tmpa_tl
4029 \hspace{1.pt}
4030 }
4031 \defbeamertemplate{miniframe~section~todo}{gotham-mini}{
4032 \fontsize{3pt}{0pt}\selectfont
4033 % \color{red}
4034 \tl_use:N \l__gotham_minif_tmpa_tl
4035 \hspace{1.pt}
4036 }
4037 \defbeamertemplate{miniframe~subsection~current}{gotham-mini}{
4038 \usebeamercolor[fg]{alerted-text}
4039 \hspace{-0.15pt}
4040 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
4041 }
4042 \defbeamertemplate{miniframe~subsection~todo}{gotham-mini}{
4043 \hspace{-0.15pt}
4044 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\lozenge$}
4045 }
4046 \defbeamertemplate{miniframe~subsection~done}{gotham-mini}{
4047 \hspace{-0.15pt}
4048 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
4049 }
4050 % \defbeamertemplate{miniframe~subsubsection}{gotham-mini}{
4051 % d

```

```
4052 % }
```

(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`.

```
4053 \defbeamertemplate{miniframe-home}{gotham-nano}{
4054 % \resizebox{\beamer@boxsize}{!}{\equiv$}
4055 \scalebox{0.5}[0.95]{\equiv$}
4056 }
4057 \defbeamertemplate{miniframe-current-slide}{gotham-nano}{
4058 o
4059 }
4060 \defbeamertemplate{miniframe-done-current-section}{gotham-nano}{
4061 x
4062 }
4063 \defbeamertemplate{miniframe-todo-current-section}{gotham-nano}{
4064 $\cdot$
4065 }
4066 \defbeamertemplate{miniframe-done-other-section}{gotham-nano}{
4067 x
4068 }
4069 \defbeamertemplate{miniframe-todo-other-section}{gotham-nano}{
4070 $\cdot$
4071 }
4072 % Templates about should appear sectioning in mini frame.
4073 % \defbeamertemplate{miniframe-part}{gotham-nano}[1][]{
4074 % p
4075 % }
4076 \defbeamertemplate{miniframe-section-current}{gotham-nano}{
4077 \tl_use:N \l__gotham_minif_tmpa_tl
4078 }
4079 \defbeamertemplate{miniframe-section-done}{gotham-nano}{
4080 \tl_use:N \l__gotham_minif_tmpa_tl
4081 }
4082 \defbeamertemplate{miniframe-section-todo}{gotham-nano}{
4083 \tl_use:N \l__gotham_minif_tmpa_tl
4084 }
4085 \defbeamertemplate{miniframe-subsection-current}{gotham-nano}{
4086 \usebeamercolor[fg]{alerted-text}\diamond$
4087 }
4088 \defbeamertemplate{miniframe-subsection-todo}{gotham-nano}{
```



```

4089  $\diamond$
4090  }
4091  \defbeamertemplate{miniframe~subsection~done}{gotham~nano}{
4092  $\diamond$
4093  }

```

(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*.

```

4094  \defbeamertemplateparent{mini~frames~bundle}
4095  { miniframe~home, miniframe~current~slide,
4096  miniframe~done~current~section, miniframe~todo~current~section, miniframe~done~other~section,
4097  miniframe~section~current, miniframe~section~done, miniframe~section~todo,
4098  miniframe~subsection~current, miniframe~subsection~done, miniframe~subsection~todo,
4099  }{}
4100  %\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*.

```

4101  \keys_define:nn { gotham / outer }{
4102  %% mini~frames~bundle
4103  % mini~frames~bundle .choice:,
4104  mini~frames~bundle .usage:n = { general },
4105  mini~frames~bundle .default:n = { gotham~mini },
4106  % \__gotham_set_template:nn{title~page}{#1}
4107  mini~frames~bundle .code:n = {
4108  % \__gotham_set_template:nn{mini~frames}{#1}% This can not work since this is an alias, so
4109  \setbeamertemplate{mini~frames~bundle}[#1]
4110  },
4111  % mini~frames~bundle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unknown } }
4112  }

```

(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*.

```

4113 \keys_define:nn { gotham / outer }{
4114 % mini~frames~compress default
4115 mini~frames~compress .choice:,
4116 mini~frames~compress .usage:n = { general },
4117 mini~frames~compress .default:n = { true },
4118
4119 mini~frames~compress / true .code:n = { \beamer@compresstrue },
4120 mini~frames~compress / on .code:n = { \beamer@compresstrue },
4121 mini~frames~compress / enable .code:n = { \beamer@compresstrue },
4122
4123 mini~frames~compress / false .code:n = { \beamer@compressfalse },
4124 mini~frames~compress / off .code:n = { \beamer@compressfalse },
4125 mini~frames~compress / disable .code:n = { \beamer@compressfalse },
4126
4127 mini~frames~compress / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
4128 }

```

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

`\l__gotham_minif_tmpa_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`

```

4129 \newlength{\gotham@temp@MiniframeSubsecDim}
4130 \newlength{\gotham@temp@MiniframeSecDim}
4131 \def\gotham@temp@lastSec{-1}
4132 \tl_new:N \l__gotham_minif_tmpa_tl
4133 \tl_new:N \l__gotham_minif_tmpb_tl

```

(End of definition for `\l__gotham_minif_tmpa_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.

```
4134 % definition from Beamerbasenavigation.sty
4135 % \def\slideentry#1#2#3#4#5#6{%
4136 \renewcommand{\slideentry}[6]{%
4137     %section number, subsection number, slide number, first/last frame, page number, part num
4138 \ifnum#6=\c@part\ifnum#3>0\ifnum#6=\c@part\ifnum#1>0\ifnum#3>0 MODIF
4139 \ifbeamer@compress%
4140 \advance\beamer@xpos by1\relax%
4141 \else%
4142 \ifnum#2=0%
4143 \beamer@ypos@offset=1\relax%
4144 \fi%
4145 \beamer@xpos=#3\relax%
4146 \beamer@ypos=#2\relax%
4147 \advance\beamer@ypos by \beamer@ypos@offset\relax%
4148 \fi%
4149 %% Add section number and subsection symbol to miniframes.
4150 %% MODIF below, inspired from https://tex.stackexchange.com/questions/722523
4151 \ifnum#3=1\c@subsectionslide=#3 % if =1, so it has been reset => new section or subsection
4152 \ifnum#1>0\ifnum#2<2% => there no subsection in this section.
4153 \ifnum\gotham@temp@lastSec=#1%
4154 % this means, that we already went through: there no subsec, then the first subsec has
4155 \else%
4156 \tl_set:Nn \l__gotham_minif_tmpa_tl {#1}
4157 \settowidth{\gotham@temp@MiniframeSecDim}{\usebeamertemplate{miniframe-section-current}}
4158 % \addtolength{\gotham@temp@MiniframeSecDim}{1.5pt}
4159 \hbox to Opt{%
4160 \beamer@tempdim=-\beamer@vboxoffset%
4161 \advance\beamer@tempdim by-\beamer@boxsize%
4162 \multiply\beamer@tempdim by\beamer@ypos%
4163 \advance\beamer@tempdim by -.05cm%
4164 \raise\beamer@tempdim\hbox{%
4165 \beamer@tempdim=\beamer@boxsize%
4166 \multiply\beamer@tempdim by\beamer@xpos%
4167 \advance\beamer@tempdim by -\beamer@boxsize%
4168 \advance\beamer@tempdim by -\gotham@temp@MiniframeSecDim% NEW
4169 \advance\beamer@tempdim by 1pt%
4170 \kern\beamer@tempdim%
4171 \global\beamer@section@min@dim\beamer@tempdim%
4172 \hbox{\beamer@link(#4)}%
4173 % \usebeamertemplate{miniframe-section}%
4174 % if not first page then check171 if it is the current section.
4175 \ifnum\c@section=#1%
4176 % check if it is the current slide
4177 \ifnum\c@subsectionslide=#3%
4178 \usebeamertemplate{miniframe-section-current}
4179 \else%
4180 \ifnum\c@subsectionslide<#3
```

`gothamZerosectionframes` Boolean variable to flag if they are frame in a zeroth section.

```
4354 \providebool{gothamZerosectionframes}
4355 \boolfalse{gothamZerosectionframes}
```

(End of definition for `gothamZerosectionframes`. This variable is documented on page 38.)

`\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`.

```
4356 \providecommand{\gothamInsertNavlength}{
4357 % spreading by default
4358 \ifbool{gothamZerosectionframes}{
4359 %true
4360 % spreading
4361 \hskip-0.5ex~plus~1fill
4362 }{
4363 %false
4364 \hskip-1.875ex~plus~1fill
4365 }%
4366 }
4367 \providecommand{\gothamPatchInsertNav}{
4368 % Don't patch for now
4369 \box\beamer@sectionbox\hfil\hskip.3cm
4370 }
4371 \providecommand{\gothamPatchSectionentry}{
4372 % Don't patch for now
4373 \hskip1.875ex~plus~1fill
4374 }
4375 \providecommand{\gothamPatchSectionbox}{
4376 % Don't patch for now
4377 \ht\beamer@sectionbox=1.875ex
4378 \dp\beamer@sectionbox=0.75ex
4379 }
4380 \ExplSyntaxOff
4381 % To let the 0-th section appear.
4382 \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{%
4383 \ifnum\value{section}=0%
4384 \ifnum\value{framenumber}>0%
4385 \hskip-0ex%
4386 \global\booltrue{gothamZerosectionframes}%
4387 \fi\fi%
4388 \gothamInsertNavlength%
```

```

4389 }{}{}
4390 %% Remove hfill between sections => flush right bullet bar, if not corrected.
4391 \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\gothamPatchSectionentry}{}{}
4392 %% Centering the bullet bar
4393 \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{\gothamPatchInsertNav}{}{}
4394 % Patch size of sectionbox
4395 \patchcmd{\insertnavigation}{\ht\beamer@sectionbox=1.875ex%
4396 \dp\beamer@sectionbox=0.75ex%
4397 }{
4398 \gothamPatchSectionbox
4399 }{}{}
4400 \patchcmd{\sectionentry}{\ht\beamer@sectionbox=1.875ex%
4401 \dp\beamer@sectionbox=0.75ex%
4402 }{
4403 \gothamPatchSectionbox
4404 }{}{}
4405 \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`.

```

4406 \keys_define:nn { gotham / outer }{
4407 % mini~frames~nav~spreading default
4408 mini~frames~nav~spreading .choice:,
4409 mini~frames~nav~spreading .usage:n = { general },
4410 mini~frames~nav~spreading .default:n = { spreading },
4411
4412 mini~frames~nav~spreading / spreading .code:n = {
4413 %
4414 \renewcommand{\gothamInsertNavlength}{
4415 \ifbool{gothamZerosectionframes}{
4416 %true
4417 % spreading
4418 \hskip-0.5ex
4419 }{
4420 %false
4421 \hskip-1.875ex-plus-1fill
4422 }%
4423 }
4424 % No other patch needed, but renewcommand if it has been modified previously.
4425 \renewcommand{\gothamPatchInsertNav}{

```

```

4426 % Don't patch for now
4427 \box\beamer@sectionbox\hfil\hskip.3cm
4428 }
4429 \renewcommand{\gothamPatchSectionentry}{
4430 % Don't patch for now
4431 \hskip1.875ex~plus~1fill
4432 }
4433 },
4434 mini~frames~nav~spreading / centering .code:n = {
4435 %
4436 \renewcommand{\gothamInsertNavlength}{
4437 \ifbool{gothamZerosectionframes}{
4438 %true
4439 % centering +patch sectionenty +patch insertnav @sectionbox
4440 \hskip-0.5ex~plus~1fill
4441 }{
4442 %false
4443 % \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{\hfill}}{}
4444 \hfill
4445 }%
4446 }
4447 % Centering the bullet bar
4448 % \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{ \box\beamer@section
4449 \renewcommand{\gothamPatchInsertNav}{
4450 \box\beamer@sectionbox\hfill\hskip.3cm
4451 }
4452 %% Remove hfill between sections => flush right bullet bar, if not corrected.
4453 % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}}{}
4454 \renewcommand{\gothamPatchSectionentry}{
4455 \hskip~3.5ex
4456 }
4457 },
4458 mini~frames~nav~spreading / left .code:n = {
4459 %
4460 \renewcommand{\gothamInsertNavlength}{
4461 \ifbool{gothamZerosectionframes}{
4462 %true
4463 % flush left +patch sectionenty
4464 \hskip-0.5ex
4465 }{
4466 %false
4467 % no patch
4468 \hskip-1.875ex plus-1fill

```

```

4469   }%
4470 }
4471 % Centering the bullet bar : NO
4472 % no patch
4473 \renewcommand{\gothamPatchInsertNav}{
4474   \box\beamer@sectionbox\hfil\hskip.3cm
4475 }
4476 %% Remove hfill between sections => flush right bullet bar, if not corrected.
4477 % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4478 \renewcommand{\gothamPatchSectionentry}{
4479   \hskip~3.5ex
4480 }
4481 },
4482 mini~frames~nav~spreading / right .code:n = {
4483   %
4484   \renewcommand{\gothamInsertNavlength}{
4485     \ifbool{gothamZerosectionframes}{
4486       %true
4487       % flush right +patch sectionenty
4488       \hskip-0.5ex~plus~1fill
4489     }{
4490       %false
4491       % no patch
4492       \hskip-1.875ex plus-1fill
4493     }%
4494   }
4495   % Centering the bullet bar : NO
4496   % no patch
4497   \renewcommand{\gothamPatchInsertNav}{
4498     \box\beamer@sectionbox\hfil\hskip.3cm
4499   }
4500   %% Remove hfill between sections => flush right bullet bar, if not corrected.
4501   % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4502   \renewcommand{\gothamPatchSectionentry}{
4503     \hskip~3.5ex
4504   }
4505 },
4506 mini~frames~nav~spreading / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'
4507 }

```

(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*.

```
4508 \keys_define:nn { gotham / outer }{
4509 % mini-frames~nav~sectioning default
4510 mini-frames~nav~sectioning .choice:,
4511 mini-frames~nav~sectioning .usage:n = { general },
4512 mini-frames~nav~sectioning .default:n = { secsubsection },
4513
4514 mini-frames~nav~sectioning / none .code:n = {
4515 %
4516 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
4517 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
4518 \renewcommand{\gothamPatchSectionbox}{
4519 % patch to set section box height to 0.
4520 \ht\beamer@sectionbox=0pt
4521 \dp\beamer@sectionbox=0pt
4522 }
4523 },
4524 mini-frames~nav~sectioning / section .code:n = {
4525 %
4526 \__gotham_set_template:nn{section~in~head/foot~shaded}{default} %from Beamer
4527 \__gotham_set_template:nn{section~in~head/foot}{default} %from Beamer
4528 },
4529 mini-frames~nav~sectioning / secsubsection .code:n = {
4530 %
4531 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham-secSubsec}
4532 \__gotham_set_template:nn{section~in~head/foot}{default/gotham-secSubsec}
4533 },
4534
4535 mini-frames~nav~sectioning / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
4536 }
```

(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*.

```
4537 \tl_new:N \l__gotham_out_tmp_mfnposi_tl
4538 \tl_new:N \l__gotham_out_tmp_pbar_tl
4539 \keys_define:nn { gotham / outer }{
4540 % mini-frames~nav~position default
4541 mini-frames~nav~position .choice:,
4542 mini-frames~nav~position .usage:n = { general },
4543 mini-frames~nav~position .default:n = { none },
```



```

4544
4545 mini~frames~nav~position / none .code:n = {
4546 %
4547 % reset if it has modified by another progressbar strategy
4548 % \__gotham_set_prop_template:nn{sidebar~canvas~right/default}{#1}
4549 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {none}
4550
4551 % head
4552 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4553 % True: nothing to do it is already occupied.
4554 }{
4555 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headlin
4556 }
4557 % frametitle
4558 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4559 % % True: nothing to do it is already occupied.
4560 % }{
4561 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fra
4562 % }
4563 % foot
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 {footlin
4568 }
4569 % left
4570 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4571 % True: nothing to do it is already occupied.
4572 }{
4573 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {sid
4574 }
4575 % right
4576 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4577 % True: nothing to do it is already occupied.
4578 }{
4579 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4580 }
4581 },
4582 mini~frames~nav~position / head .code:n = {
4583 %
4584 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
4585 % True: nothing to do it is already done.
4586 }{

```

```

4587 % False : remember that choice in order to do not apply it several time and add to beamer
4588 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {head}
4589
4590 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4591   % True: nothing to do it is already occupied.
4592 }{
4593   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4594 }
4595 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4596 % % True: nothing to do it is already occupied.
4597 % }{
4598 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4599 % }
4600 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4601   % True: nothing to do it is already occupied.
4602 }{
4603   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4604 }
4605 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4606   % True: nothing to do it is already occupied.
4607 }{
4608   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4609 }
4610 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4611   % True: nothing to do it is already occupied.
4612 }{
4613   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4614 }
4615
4616 %
4617 \addtoeamertemplate{headline}{}{
4618   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
4619     \usebeamertemplate*{mini~nav~progress~head/foot}
4620   }{}
4621 }
4622 }
4623 },
4624 mini~frames~nav~position / foot .code:n = {
4625 %
4626 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
4627   % True: nothing to do it is already done.
4628 }{
4629   % False : remember that choice in order to do not apply it several time and add to beamer

```

```

4630 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {foot}
4631
4632 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4633   % True: nothing to do it is already occupied.
4634 }{
4635   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4636 }
4637 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4638 % % True: nothing to do it is already occupied.
4639 % }{
4640 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4641 % }
4642 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4643   % True: nothing to do it is already occupied.
4644 }{
4645   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4646 }
4647 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4648   % True: nothing to do it is already occupied.
4649 }{
4650   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4651 }
4652 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4653   % True: nothing to do it is already occupied.
4654 }{
4655   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4656 }
4657
4658 \addtobeamertemplate{footline}{}{
4659   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
4660     \usebeamertemplate*{mini~nav~progress~head/foot}
4661   }{}
4662 }
4663 }
4664 },
4665 mini~frames~nav~position / left .code:n = {
4666 %
4667 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
4668   % True: nothing to do it is already done.
4669 }{
4670   % False : remember that choice in order to do not apply it several time and add to beamer
4671   \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {left}
4672

```

```

4673 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4674   % True: nothing to do it is already occupied.
4675 }{
4676   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4677 }
4678 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4679 % % True: nothing to do it is already occupied.
4680 % }{
4681 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4682 % }
4683 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4684   % True: nothing to do it is already occupied.
4685 }{
4686   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4687 }
4688 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4689   % True: nothing to do it is already occupied.
4690 }{
4691   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4692 }
4693 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4694   % True: nothing to do it is already occupied.
4695 }{
4696   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4697 }
4698 %
4699 %
4700 \addtobeamertemplate{sidebar~left}{}{
4701   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
4702     \usebeamertemplate*{mini~nav~progress~left}
4703   }{}
4704 }
4705 }
4706 },
4707 mini~frames~nav~position / right .code:n = {
4708   %
4709   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
4710     % True: nothing to do it is already done.
4711   }{
4712     % False : remember that choice in order to do not apply it several time and add to beamer
4713     \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {right}
4714
4715     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {

```

```

4716     % True: nothing to do it is already occupied.
4717   }{
4718     \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4719   }
4720   % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4721   % % True: nothing to do it is already occupied.
4722   % }{
4723   % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4724   % }
4725   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4726     % True: nothing to do it is already occupied.
4727   }{
4728     \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4729   }
4730   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4731     % True: nothing to do it is already occupied.
4732   }{
4733     \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4734   }
4735   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4736     % True: nothing to do it is already occupied.
4737   }{
4738     \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4739   }
4740
4741   %
4742   \addtobeamertemplate{sidebar~right}{}{
4743     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
4744       \usebeamertemplate*{mini~nav~progress~right}
4745     }{}
4746   }
4747   }
4748   },
4749
4750   mini~frames~nav~position / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~
4751   }

```

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

Progress bar

`\gothamProgressHeadFootLineheight` Lengths used in tikz rectangle.

```

4752 \newlength{\gotham@progressinheadfoot}
4753 \newlength{\gothamProgressHeadFootLineheight}

```

```
4754 \setlength{\gothamProgressHeadFootLineheight}{1.2ex}
```

(End of definition for \gothamProgressHeadFootLineheight. This variable is documented on page 39.)

`\l_gotham_ProgCircleMoving_bool` Boolean variables controlling the direction of progression and if the current frame number is moving with the progression and if the miniframes navigation should be printed inside the progress bar.

`\l_gotham_progbar_advancement_tlbr_bool`

`\l_gotham_pmf_n_bool`

```
4755 \bool_new:N \l_gotham_ProgCircleMoving_bool
```

```
4756 \bool_set_true:N \l_gotham_ProgCircleMoving_bool
```

```
4757
```

```
4758 \bool_new:N \l_gotham_progbar_advancement_tlbr_bool
```

```
4759 \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
```

```
4760
```

```
4761 \bool_new:N \l_gotham_pmf_n_bool
```

```
4762 \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 39.)

`_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.

```
4763 % #1: 'linewidth'
4764 \cs_new_protected:Npn \_gotham_rectangle_box_progressbar:n #1
4765 {
4766 %
4767 \setlength{\gotham@progressinheadfoot}{
4768 #1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
4769 }
4770
4771 %
4772 \begin{beamercolorbox}[wd=#1]{progress~bar~in~head/foot}
4773 \begin{tikzpicture}
4774 \usebeamercolor{progress~bar~in~head/foot}
4775
4776 % gray rectangle in the background.
4777 \fill[color=progress~bar~in~head/foot.bg]
4778 (0pt, 0pt) rectangle ++ (#1, \gothamProgressHeadFootLineheight)
4779 ;
4780
4781 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
4782 % from left to right
4783 % orange rectangle progressing
4784 \fill[color=progress~bar~in~head/foot.fg]
4785 (0pt, 0pt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
4786 ;
4787 }{
4788 % from right to left
4789 % orange rectangle progressing
4790 \fill[color=progress~bar~in~head/foot.fg]
4791 (#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\gothamProgressHeadFootLineheight)
4792 ;
4793 }
4794
4795 \bool_if:NTF \l_gotham_pmf_n_bool {
4796 % progress miniframes navigation is on.
4797 \node at (#1/2, \gothamProgressHeadFootLineheight/2)
4798 [text~height=0.1pt, text~depth=0.05pt, inner~sep=0pt] %draw=red,
4799 {
4800 \usebeamercolor[fg]{normal~text}
4801 % \fontsize{3.5pt}{0pt}\selectfont
4802 \raisebox{0.5\gothamProgressHeadFootLineheight+1.4pt}[0pt][0pt]{
4803 %\dohead
4804 \hfuzz=#1
4805 \insertnavigation{#1}
4806 }
```

`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.

```
4816 \defbeamertemplate{progress-bar-in-head/foot}{gotham-rectangle}{
4817   \nointerlineskip
4818   \_gotham_rectangle_box_progressbar:n {\paperwidth}
4819 }
```

(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.

```
4820 \defbeamertemplate{progress-bar-in-left}{gotham-rectangle}{
4821   \nointerlineskip
4822
4823   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4824   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppadding+\gothamFrametitleBot
4825
4826   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
4827
4828   \vspace{0.12275\paperheight}
4829   \rotatebox{90}{
4830     \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
4831   }
4832 }
4833 \defbeamertemplate{progress-bar-in-right}{gotham-rectangle}{
4834   \nointerlineskip
4835
4836   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4837   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppadding+\gothamFrametitleBot
4838
4839   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
4840
4841   \hspace{-\gothamProgressHeadFootLineheight}
4842   \vspace{\gotham@temp@heightFrametitle-27.75pt}
4843   \rotatebox{-90}{
4844     \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
4845   }
4846 }
```


(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.

```
4847 % #1: 'linewidth'
4848 % #2: ratio of the progress bar
4849 % #3: colorbox name
4850 % #4: command for percent of progress
4851 \cs_new_protected:Npn \_gotham_rounded_box_progressbar:nnnn #1#2#3#4
4852 {
4853   \setlength{\gotham@progressinheadfoot}{
4854     #2#1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
4855   }
4856
4857 % 1.035\gothamProgressHeadFootLineheight is to include the border inside the box.
4858 \begin{beamercolorbox}[wd=#1, ht=1.035\gothamProgressHeadFootLineheight]{#3}
4859   \; \hfill
4860   %\tikzexternaldisable%
4861   \begin{tikzpicture}[rounded~corners=0.5\gothamProgressHeadFootLineheight, very~thin]
4862     \usebeamercolor{progress~bar~in~head/foot}
4863
4864     % gray rectangle in the background.
4865     \shade[top~color=progress~bar~in~head/foot.bg!65, bottom~color=progress~bar~in~head/foot.
4866       (Opt, Opt) rectangle ++ (#2#1, \gothamProgressHeadFootLineheight)
4867     ;
4868
4869     \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
4870       % from left to right
4871       % orange rectangle progressing
4872       \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
4873         (Opt, Opt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
4874       ;
4875     }{
4876       % from right to left
4877       % orange rectangle progressing
4878       \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
4879         (#2#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\
4880       ;
4881     }
4882
4883     \bool_if:NTF \l_gotham_pmf_n_bool {
4884       % progress miniframes navigation is on.
4885       \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.

```
4907 \defbeamertemplate{progress-bar-in-head/foot}{gotham-rounded-box}{
4908 \nointerlineskip
4909 \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.93}{footline}{
4910 \hfill
4911 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
4912 \fontsize{5pt}{0pt}\selectfont
4913 \usebeamercolor[fg]{normal~text}
4914 \fp_eval:n {round(\insertframenum*100/\inserttotalframenum,0)}\,%
4915 }
4916 }
4917 % \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.53}{progress-bar-in-head/foot}{
4918 }
```

(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.

```
4919 \defbeamertemplate{progress-bar-in~left}{gotham-rounded-box}{
4920 \nointerlineskip
4921
4922 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4923 \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
4924
4925 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-
4926
4927 \vspace{0.12275\paperheight}
4928 % \hspace{\gothamProgressHeadFootLineheight}
4929 \rotatebox{90}{
4930 \_gotham_rounded_box_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline
4931 \hfill
4932 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
4933 \fontsize{5pt}{0pt}\selectfont
4934 \fp_eval:n {round(\insertframenum*100/\inserttotalframenum,0)}\,%
4935 }
4936 }
4937 }
```

```

4938 }
4939 \defbeamertemplate{progress-bar-in-right}{gotham-rounded-box}{
4940 \nointerlineskip
4941
4942 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4943 \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
4944
4945 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
4946
4947 \hspace{-\gothamProgressHeadFootLineheight-0.2pt}
4948 \vspace{\gotham@temp@heightFrametitle-27.75pt}
4949 \rotatebox{-90}{
4950 \_gotham_rounded_box_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline
4951 \hfill
4952 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
4953 \fontsize{5pt}{0pt}\selectfont
4954 \fp_eval:n {round(\insertframenummer*100/\inserttotalframenummer,0)}\,\,%
4955 }
4956 }
4957 }
4958 }

```

(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`

```

4959 %the height of the header is 1.8 times the lineheight of the frame title
4960 \newlength{\gothamProgressCircHeight}
4961 \setlength{\gothamProgressCircHeight}{1.8\baselineskip}
4962 %\setlength{\gothamProgressCircHeight}{2\baselineskip}
4963 \newlength{\gothamCounterCircleRadius}
4964 \setlength{\gothamCounterCircleRadius}{1.12ex}
4965 % width of the border
4966 \newlength{\gothamProgressCircBorderWidth}
4967 \setlength{\gothamProgressCircBorderWidth}{1.65mm}
4968
4969 %% Induced length used internally, but can still be tuned manually by inspired people.
4970 % radius of the logo
4971 \newlength{\gothamProgressCircLogoRadius}
4972 \setlength{\gothamProgressCircLogoRadius}{1.2\gothamProgressCircHeight/2}
4973 % inner radius of border of the logo frame
4974 \newlength{\gothamProgressCircLogoInnerRadius}
4975 \setlength{\gothamProgressCircLogoInnerRadius}{1.1\gothamProgressCircLogoRadius}

```

```

4976 % radius of the outer border of the logo frame
4977 \newlength{\gothamProgressCircLogoOuterRadius}
4978 \setlength{\gothamProgressCircLogoOuterRadius}{\gothamProgressCircLogoInnerRadius+\gothamPro
4979 % radius of the counters
4980 \newlength{\gothamCounterRadius}
4981 \setlength{\gothamCounterRadius}{\gothamProgressCircLogoInnerRadius/2+\gothamProgressCircLogo

```

(End of definition for `\gothamProgressCircHeight`, `\gothamCounterCircleRadius`, and `\gothamProgressCircBorderWidth`.
These variables are documented on page 39.)

`\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.

```

4982 % \fp_new:N \l_gotham_ratio_progress_fp
4983 \fp_new:N \l_gotham_ratio_progresscircle_fp
4984 % the angle token by the counter radius
4985 \fp_new:N \l_gotham_angle_counterradius_fp
4986 % requires xfp for asind
4987 \fp_set:Nn \l_gotham_angle_counterradius_fp {
4988   \fpeval{ 2* asind (\gothamCounterCircleRadius / (2*\gothamCounterRadius)) }
4989 }

```

(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`.

```

4990 \providecommand{\gothamInstituteLogoCircle}[1][4ex]{
4991   \includegraphics[height=#1]{gotham-logo.pdf}
4992 }

```

`\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`.

```
4993 \providecommand{\gothamProgressCircle}{
4994 % \tikzexternaldisable
4995 \begin{tikzpicture}[remember~picture,overlay]
4996 % Load colors
4997 \usebeamercolor{standin}
4998 \usebeamercolor{frametitle}
4999 \usebeamercolor{progress~bar~in~head/foot}
5000
5001 % Define center
5002 \coordinate (localCenter);
5003 % draw the outer circle
5004 \fill[fill=progress~bar~in~head/foot.bg] (localCenter) circle (\gothamProgressCircLogoRadius);
5005 % draw the inner circle
5006 \fill[fill=frametitle.bg] (localCenter) circle (\gothamProgressCircLogoInnerRadius);
5007 \node at (localCenter) {\gothamInstituteLogoCircle[1.9\gothamProgressCircLogoRadius]};
5008
5009 %% draw progress circle/bar
5010 \bool_if:NTF \l_gotham_ProgCircleMoving_bool {
5011 % the circular counter with a moving counter
5012
5013 %% compute the angle for the progress circle
5014 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
5015 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {-(360)*\insertframenummer/\inserttotalframes}
5016 }{
5017 %\else% clockwise rotation
5018 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {(360)*(\insertframenummer/\inserttotalframes)}
5019 }
5020 %\fi
5021
5022 % draw the arc progress bar
5023 \draw[
5024 color=progress~bar~in~head/foot.fg,
5025 line-width=0.6*\gothamProgressCircBorderWidth
5026 ]
5027 (localCenter)
5028 ++
5029 ([
5030 xshift=\gothamCounterRadius
5031 ]localCenter)
5032 arc[
5033 radius=\gothamCounterRadius, 190
5034 start~angle=0,
5035 end~angle={\fp_eval:n \l_gotham_ratio_progresscircle_fp}
5036 ]
5037 ;
5038
5039 % 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.

```
5149 % token list to remember what is the current state
5150 % \tl_new:N \l__gotham_out_tmp_pbar_tl
5151 \keys_define:nn { gotham / outer }{
5152 % progressbar~position default
5153 progressbar~position .choice:,
5154 progressbar~position .usage:n = { general },
5155 progressbar~position .default:n = { none },
5156
5157 progressbar~position / none .code:n = {
5158 % reset if it has modified by another progressbar~position strategy
5159 % \__gotham_set_prop_template:nn{sidebar~canvas~right/default}#{#1}
5160 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {none}
5161
5162 % head
5163 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5164 % True: nothing to do it is already occupied.
5165 }{
5166 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headlin
5167 }
5168 % frametitle
5169 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5170 % % True: nothing to do it is already occupied.
5171 % }{
5172 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {frame
5173 % }
5174 % foot
5175 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5176 % True: nothing to do it is already occupied.
5177 }{
5178 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footlin
5179 }
5180 % left
5181 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5182 % True: nothing to do it is already occupied.
5183 }{
5184 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {sid
5185 }
5186 % right
5187 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5188 % True: nothing to do it is already occupied.
```

```

5189 }{
5190   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5191 }
5192
5193 % logo
5194 \__gotham_set_prop_template:nn{includeLogo/default}{gotham~square}
5195 % section in head
5196 \setbeamertemplate{section~in~head/foot~shaded}[default/\prop_item:Nn \l__gotham_template_
5197 \setbeamertemplate{section~in~head/foot}[default/\prop_item:Nn \l__gotham_template_name_pr
5198 },
5199 progressbar~position / head .code:n = {
5200   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5201     % True: nothing to do it is already done.
5202   } {
5203     % False : remember that choice in order to do not apply it several time and add to beamer
5204     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {head}
5205
5206     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5207       % True: nothing to do it is already occupied.
5208     }{
5209       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5210     }
5211     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5212     % % True: nothing to do it is already occupied.
5213     % }{
5214     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5215     % }
5216     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5217       % True: nothing to do it is already occupied.
5218     }{
5219       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5220     }
5221     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5222       % True: nothing to do it is already occupied.
5223     }{
5224       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5225     }
5226     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5227       % True: nothing to do it is already occupied.
5228     }{
5229       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5230     }
5231

```



```

5232 %
5233 \addtobeamertemplate{headline}{\{
5234   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5235     \usebeamertemplate*{progress-bar-in-head/foot}
5236   }\}
5237 }
5238 }
5239 },
5240 progressbar~position / frametitle .code:n = {
5241   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5242     % True: nothing to do it is already done.
5243   } {
5244     % False : remember that choice in order to do not apply it several time and add to beamer
5245     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {frametitle}
5246
5247     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5248       % True: nothing to do it is already occupied.
5249     }\{
5250       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5251     }
5252     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5253     % % True: nothing to do it is already occupied.
5254     % }\{
5255     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5256     % }
5257     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5258       % True: nothing to do it is already occupied.
5259     }\{
5260       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5261     }
5262     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5263       % True: nothing to do it is already occupied.
5264     }\{
5265       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5266     }
5267     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5268       % True: nothing to do it is already occupied.
5269     }\{
5270       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5271     }
5272
5273 %
5274 \addtobeamertemplate{frametitle}{\{

```

```

5275     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5276       \usebeamertemplate*{progress~bar~in~head/foot}
5277     }{}
5278   }
5279 }
5280 },
5281 progressbar~position / foot .code:n = {
5282   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5283     % True: nothing to do it is already done.
5284   } {
5285     % False : remember that choice in order to do not apply it several time and add to beamer
5286     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {footline}
5287
5288     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5289       % True: nothing to do it is already occupied.
5290     }{
5291       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5292     }
5293     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5294     % % True: nothing to do it is already occupied.
5295     % }{
5296       \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5297     % }
5298     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5299       % True: nothing to do it is already occupied.
5300     }{
5301       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5302     }
5303     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5304       % True: nothing to do it is already occupied.
5305     }{
5306       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5307     }
5308     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5309       % True: nothing to do it is already occupied.
5310     }{
5311       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5312     }
5313
5314     %
5315     \addtobeamertemplate{footline}{}{
5316     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5317       \usebeamertemplate*{progress~bar~in~head/foot}

```

```

5318     }{}
5319   }
5320 }
5321 },
5322 progressbar~position / circlehead .code:n = {
5323 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5324   % True: nothing to do it is already done.
5325 } {
5326   % False : remember that choice in order to do not apply it several time and add to beamer
5327   \tl_set:Nn \l__gotham_out_tmp_pbar_tl {circlehead}
5328
5329   %
5330   %%\prop_put:Nnn \l__gotham_template_name_SAVE_prop {includeLogo/default} {gotham~square}
5331   \__gotham_set_prop_template:nn{includeLogo/default}{gotham~circle}
5332   \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham~secSubsec}
5333   \__gotham_set_template:nn{section~in~head/foot}{default/gotham~secSubsec}
5334   % \__gotham_set_template:nn{headline}{default/gotham~section}
5335   % \setbeamertemplate{headline}[default/gotham~section]
5336
5337   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5338     % True: it is already occupied, so let's emulate the gotham section
5339     \addtobeamertemplate{headline}{}{
5340       \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5341         \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
5342           \usebeamerfont{section~in~head/foot}\hspace*{3.5ex}
5343           \usebeamertemplate{section~in~head/foot}
5344         \end{beamercolorbox}
5345       }{}
5346     }
5347   }{
5348     % \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {head
5349     \__gotham_set_template:nn{headline}{default/gotham~section}
5350   }
5351   % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5352   % % True: nothing to do it is already occupied.
5353   % }{
5354     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5355   % }
5356   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5357     % True: nothing to do it is already occupied.
5358   }{
5359     \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5360   }

```

```

5361 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5362   % True: nothing to do it is already occupied.
5363 }{
5364   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5365 }
5366 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5367   % True: nothing to do it is already occupied.
5368 }{
5369   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5370 }
5371 }
5372 },
5373 progressbar~position / left .code:n = {
5374 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5375   % True: nothing to do it is already done.
5376 } {
5377   % False : remember that choice in order to do not apply it several time and add to beamer
5378   \tl_set:Nn \l__gotham_out_tmp_pbar_tl {left}
5379
5380 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5381   % True: nothing to do it is already occupied.
5382 }{
5383   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5384 }
5385 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5386 % % True: nothing to do it is already occupied.
5387 % }{
5388   \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5389 % }
5390 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5391   % True: nothing to do it is already occupied.
5392 }{
5393   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5394 }
5395 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5396   % True: nothing to do it is already occupied.
5397 }{
5398   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5399 }
5400 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5401   % True: nothing to do it is already occupied.
5402 }{
5403   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s

```

```

5404 }
5405
5406 %
5407 \addtoeamertemplate{sidebar~left}{}{
5408   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5409     \usebeamertemplate*{progress~bar~in~left}
5410   }{}
5411 }
5412 }
5413 },
5414 progressbar~position / right .code:n = {
5415   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5416     % True: nothing to do it is already done.
5417   } {
5418     % False : remember that choice in order to do not apply it several time and add to beamer
5419     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {right}
5420
5421     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5422       % True: nothing to do it is already occupied.
5423     }{
5424       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5425     }
5426     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5427     % % True: nothing to do it is already occupied.
5428     % }{
5429     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5430     % }
5431     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5432       % True: nothing to do it is already occupied.
5433     }{
5434       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5435     }
5436     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5437       % True: nothing to do it is already occupied.
5438     }{
5439       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5440     }
5441     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5442       % True: nothing to do it is already occupied.
5443     }{
5444       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5445     }
5446

```

```

5447 %
5448 \addtoeamertemplate{sidebar-right}{}{
5449 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5450 \usebeamertemplate*{progress-bar-in-right}
5451 }{}
5452 }
5453 }
5454 },
5455
5456 progressbar~position / unknown .code:n = { \PackageWarning{ gotham } { The-choice-`#1'~is-~u
5457 }

```

(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*.

```

5458 % token list to remember what is the current state
5459 \keys_define:nn { gotham / outer }{
5460 % progressbar~style default
5461 progressbar~style .choice:,
5462 progressbar~style .usage:n = { general },
5463 progressbar~style .default:n = { rectangle },
5464
5465 progressbar~style / rectangle .code:n = {
5466 %
5467 % \defbeamertemplate*{progress-bar-in-head/foot}{gotham-rectangle}
5468 \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rectangle}
5469 \__gotham_set_template:nn{progress-bar-in-left}{gotham-rectangle}
5470 \__gotham_set_template:nn{progress-bar-in-right}{gotham-rectangle}
5471 },
5472
5473 progressbar~style / rounded-box .code:n = {
5474 %
5475 \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rounded-box}
5476 \__gotham_set_template:nn{progress-bar-in-left}{gotham-rounded-box}
5477 \__gotham_set_template:nn{progress-bar-in-right}{gotham-rounded-box}
5478 },
5479
5480 progressbar~style / moving-circle .code:n = {
5481 %
5482 \bool_set_true:N \l_gotham_ProgCircleMoving_bool
5483 },
5484

```

```

5485 progressbar~style / fixed~circle .code:n = {
5486   %
5487   \bool_set_false:N \l_gotham_ProgCircleMoving_bool
5488 },
5489
5490 progressbar~style / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unkn
5491 }

```

(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*.

```

5492 % token list to remember what is the current state
5493 \keys_define:nn { gotham / outer }{
5494   % progressbar~advancement default
5495   progressbar~advancement .choice:,
5496   progressbar~advancement .usage:n = { general },
5497   progressbar~advancement .default:n = { tlbr },
5498
5499   progressbar~advancement / tlbr .code:n = {
5500     %
5501     \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5502   },
5503   progressbar~advancement / TLBR .code:n = {
5504     %
5505     \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5506   },
5507
5508   progressbar~advancement / brlt .code:n = {
5509     %
5510     \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool
5511   },
5512   progressbar~advancement / BRLT .code:n = {
5513     %
5514     \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool
5515   },
5516
5517   progressbar~advancement / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~i
5518 }

```

(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*.

```
5519 % token list to remember what is the current state
5520 \keys_define:nn { gotham / outer }{
5521 % progressbar~mfn default
5522 progressbar~mfn .choice:,
5523 progressbar~mfn .usage:n = { general },
5524 progressbar~mfn .default:n = { off },
5525
5526 progressbar~mfn / true .code:n = {
5527 \bool_set_true:N \l_gotham_pmf_n_bool
5528
5529 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5530 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5531 \renewcommand{\gothamPatchSectionbox}{
5532 % patch to set section box height to 0.
5533 \ht\beamer@sectionbox=0.ex
5534 \dp\beamer@sectionbox=0.ex
5535 }
5536 },
5537 progressbar~mfn / on .code:n = {
5538 \bool_set_true:N \l_gotham_pmf_n_bool
5539
5540 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5541 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5542 \renewcommand{\gothamPatchSectionbox}{
5543 % patch to set section box height to 0.
5544 \ht\beamer@sectionbox=0.ex
5545 \dp\beamer@sectionbox=0.ex
5546 }
5547 },
5548 progressbar~mfn / enable .code:n = {
5549 \bool_set_true:N \l_gotham_pmf_n_bool
5550
5551 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5552 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5553 \renewcommand{\gothamPatchSectionbox}{
5554 % patch to set section box height to 0.
5555 \ht\beamer@sectionbox=0.ex
5556 \dp\beamer@sectionbox=0.ex
5557 }
5558 },
5559
5560 progressbar~mfn / false .code:n = { \bool_set_false:N \l_gotham_pmf_n_bool },
```



```

5561 progressbar~mfncode:n = { \bool_set_false:N \l_gotham_pmfncode:n },
5562 progressbar~mfncode:n = { \bool_set_false:N \l_gotham_pmfncode:n },
5563
5564 progressbar~mfncode:n = { \PackageWarning{ gotham } { The-choice-`#1'-is-unknown
5565 }

```

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

Default_outercodes Apply default key options.

The following test files are used for this code: gotham-test-048.

```

5566 % when no value is given, default is called.
5567 \keys_set:nn { gotham / outer } {
5568 sidebar~canvas~right~template, sidebar~canvas~left~template,
5569 edging~default,
5570 frametitle~template, framesubtitle~template, frametitle~continuation~template,
5571 numbering,
5572 rotateFooter~default,
5573 footer~template,
5574 mini~frames~shape, mini~frames~bundle,
5575 mini~frames~compress,
5576 mini~frames~nav~spreading,
5577 mini~frames~nav~sectioning,
5578 mini~frames~nav~position,
5579 progressbar~position, progressbar~style, progressbar~advancement, progressbar~mfncode:n,
5580 }

```

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

Process_outercodes Process package options.

The following test files are used for this code: gotham-test-048.

```

5581 \ProcessKeyOptions[ gotham / outer ]
5582 % \mode<all>

```

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

```

5583 %\endinput
5584 </outer>

5585 <*package>
5586 \RequirePackage{expl3}
5587 \RequirePackage{xparse}

```

```

5588 % \RequirePackage{ifxetex}
5589 % \RequirePackage{ifluatex}
5590 % \RequirePackage{etoolbox}
5591 % \RequirePackage{xcolor}
5592 % \RequirePackage{tikz}
5593 % \RequirePackage{calc} % I think I can remove it with a bit of work
5594 % \RequirePackage{xfp}

5595 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
5596 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% PACKAGE %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
5597 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
5598 %
5599 %

```

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

```

5600
5601 %
5602 \usefonttheme{gotham}
5603 \usecolortheme{gotham}
5604 \useinnertheme{gotham}
5605 \useoutertheme{gotham}
5606 %
5607 %
5608 %
5609
5610 %%%% Setting keys %%%%
5611
5612 % set new counter for how many time the lookup is used
5613 \int_new:N \l_gotham_lookup_cnt
5614 \int_set:Nn \l_gotham_lookup_cnt {0}
5615
5616 \seq_const_from_clist:Nn \c__gotham_load_submodules_seq { font, color, inner, outer }
5617
5618 \cs_new_protected:Npn \__gotham_lookup_keymodules:nn #1#2
5619 {
5620 \int_incr:N \l_gotham_lookup_cnt
5621 % \int_show:n \l_gotham_lookup_cnt
5622
5623 % if lookup counter is lower than the number of submodules-1 [before it was +1, not complet
5624 \if_int_compare:w \l_gotham_lookup_cnt < 2
5625 %true : do nothing
5626 \else:
5627 % \int_show:n \l_gotham_lookup_cnt

```

```

5628 \seq_map_inline:Nn \c__gotham_load_submodules_seq
5629 {
5630   \keys_if_exist:nnT { gotham / ##1 } {#1}
5631   {
5632     % missing feature in l3keys, we have no better way to detect an omitted value, so we hav
5633     \tl_if_empty:nTF {#2}
5634     { \keys_set:nn { gotham / ##1 } { #1 } }
5635     { \keys_set:nn { gotham / ##1 } { #1 = {#2} } }
5636     \prg_break:
5637   }
5638 }
5639 \msg_error:nnn { gotham } { unknown-key } {#1}
5640 \prg_break_point:
5641 \fi:
5642 }
5643 \cs_generate_variant:Nn \__gotham_lookup_keymodules:nn { Vn }
5644 \msg_new:nnn { gotham } { unknown-key } { Unknown~ key~ #1~ encountered. }
5645
5646 % Property list for all groups.
5647 \prop_new:N \l__gotham_all_all_user_keys_prop
5648 \prop_const_from_keyval:Nn \c__gotham_all_pkg_keys_prop {}
5649
5650 \keys_define:nn { gotham / all / all }
5651 {
5652   unknown .code:n =
5653   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5654 }
5655
5656 % Set default keys/options from keyval
5657 % \__gotham_set_default_from_keyval: variant, keyval, group command
5658 \cs_new_protected:Npn \__gotham_set_default_from_keyval:nnn #1 #2 #3
5659 { %%
5660 % Check if keyvalues have been given.
5661 \tl_if_novalue:nTF {#2}
5662 { % no user keys given so _user_keys_prop is taking pkg prop
5663   \prop_set_eq:cc { l__gotham_#3_#1_user_keys_prop } { c__gotham_#3_pkg_keys_prop }
5664 }{ % user key given and put it in prop
5665   \prop_put_from_keyval:cn { l__gotham_#3_#1_user_keys_prop } {#2}
5666 }% end if
5667 %
5668 % xx
5669 \__gotham_set_default_auxi:cnn { l__gotham_#3_#1_user_keys_prop } {#1} {#3}
5670 %

```

```

5671 % xx
5672 \keys_set:nn { gotham/#3/#1 } { default }
5673 }
5674 %
5675 % prop-key-val, variant, group command
5676 \cs_new_protected:Npn \__gotham_set_default_auxi:Nnn #1 #2 #3
5677 {
5678   \__gotham_set_default_auxii:fnn { \prop_to_keyval:N #1 } {#2} {#3}
5679 }
5680 \cs_generate_variant:Nn \__gotham_set_default_auxi:Nnn { c }
5681 %
5682 % key-val, variant, group command
5683 \cs_new_protected:Npn \__gotham_set_default_auxii:nnn #1 #2 #3
5684 {
5685   \keys_define:nn { gotham/#3/#2 } { default .meta:n = {#1} }
5686 }
5687 \cs_generate_variant:Nn \__gotham_set_default_auxii:nnn { f }
5688 %
5689 %
5690 % (re)set keys/options by default for a group of commands.
5691 % \gothamset m:options:#1
5692 \DeclareDocumentCommand{\gothamset}{m}
5693 {
5694   \__gotham_set_default_from_keyval:nnn { all } {#1} { all }
5695   \keys_set:nn { gotham/all/all } { default }
5696 }
5697
5698 \def\gotham@plaintitleformat#1{#1}
5699 \providecommand{\mreducelistspacing}{\vspace{-\topsep}}
5700
5701 \ProcessOptionsBeamer
5702 \keys_define:nn { gotham / font }
5703 {
5704   unknown .code:n =
5705   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5706 }
5707 \keys_define:nn { gotham / color }
5708 {
5709   unknown .code:n =
5710   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5711 }
5712 \keys_define:nn { gotham / inner }
5713 {

```

```

5714 unknown .code:n =
5715 {\_gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5716 }
5717 \keys_define:nn { gotham / outer }
5718 {
5719 unknown .code:n =
5720 {\_gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5721 }
5722
5723 \ProcessKeyOptions[ gotham / font ]
5724 \ProcessKeyOptions[ gotham / color ]
5725 \ProcessKeyOptions[ gotham / inner ]
5726 \ProcessKeyOptions[ gotham / outer ]
5727
5728 %
5729 %\endinput
5730 \</package>

```

Change History

v0.2.0
font_messages: New 41