

GOTHAM

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

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1 Introduction

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

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

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

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

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

2 Getting Started

2.1 Installing from CTAN

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

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

```
tlmgr update --all
```

or if administrative privileges are required

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

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

2.2 Installing from Gitlab

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

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

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

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

to a folder in your \TeX path instead.

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

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

`l3build unpack` builds the theme style files.

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

`l3build check` builds the theme and manual.

`l3build clean` removes the files generated by l3build.

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

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

2.3 A Minimal Example

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

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

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

2.4 Dependencies

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

- `tikz`



Figure 1: A simple example.

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

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

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

3 Customization

3.1 Package options

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

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

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

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

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

```
option key list of possible values..... default
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..... 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..... 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
\gothamReloadColors % do forgot to reload internal colors
depending on the above set.
```

`background` *light, dark, transparent*..... 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*..... anthracite

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

`block` *native, transparent, fill*..... 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>* gotham normal

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

watermark default *on, off* off

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

watermark template *gotham draft, <your-name>* gotham draft

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

standin template *gotham, <your-name>* gotham

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

added=2024-11-11

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

updated=2024-11-11

partframe default *on, off* on

sectionframe default Enable or disable the display of the part frame (section, subsection and subsubsection respectively) at each part (other respectively) increment.

subsectionframe default
subsubsectionframe default

partframe template *gotham progressbar, gotham simple, gotham splitvert progressbar, gotham splitvert simple, gotham progressvert*..... gotham progressbar

sectionframe template

subsectionframe template Set the frame template to use when the part (or section, subsection, subsection

subsubsectionframe template respectively) frame option is activated (ie. using `\begin{frame}[part]`). If you want to use your own template, before giving its name to this option, your template should be defined with: `\defbeamertemplate{part frame}{<your-name>}{<your-defintion >}`.

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

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

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

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

sectiontocframe default Enable or disable the display of the table of content frame after the part frame (section,

subsectiontocframe default subsection and subsubsection respectively) at each part (other respectively) increment.

subsubsectiontocframe default

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

sectiontocframe template Set the frame template to use when the table of contents at each new part (or section,

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

subsubsectiontocframe tem.. `tocpart` frame option to activate the frame template. If you want to use your own template, before giving its name to this option, your template should be defined with: `\defbeamertemplate{part frame}{<your-name>}{<your-defintion>}`.

3.1.4 Outer theme

sidebar canvas right template *gotham filigrane, empty, <your-name>* 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* 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>* .. 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>* 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>* 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* none

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

footer template *gotham*, *<your-name>*..... 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*..... 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>*..... 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>*..... 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*..... on

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

mini frames nav spreading *spreading, centering, left, right*..... spreading

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

mini frames nav sectioning *none, section, secsubsection*..... 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*..... none

Setting where the mini frame navigation bar should appear.

progressbar position *none, head, frametitle, foot, circlehead, left, right*..... 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*..... 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*..... 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*..... 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}` 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}` 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's (or section or subsection) table of contents. For example, you redefine this command through:

`\secContentName`
`\subsecContentName`

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

`\partpageOptions` The commands to change the options of frames containing part's title (or section or subsection) at its start. For example, you redefine this command through:

`\sectionpageOptions`
`\subsectionpageOptions`
`\subsubsectionpageOptions`

```
\renewcommand{\partpageOptions}{plain}
```

New: 2025-01-06

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

`\sectionpageTocOptions`
`\subsectionpageTocOptions`

```
\renewcommand{\partpageTocOptions}{nofooter}
```

New: 2025-01-06

`\partTocOptions` The command to change the options for part's (or section or subsection) table of contents at the beginning of this part. For example, you redefine this command through:

`\sectionTocOptions`
`\subsectionTocOptions`

```
\renewcommand{\sectionTocOptions}{
  currentsection, hideallsubsections
}
```

New: 2025-01-06

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
transparentBG 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:

Updated: 2024-11-11

```
\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:

Updated: 2024-11-11

```
\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

```
\colorlet{colorFG}{black}   %{colorDark}
\colorlet{colorBG}{white}   %{colorPale}
\colorlet{colorStandin}{white}  %{colorPale}
\colorlet{colorStandout}{blue}  %{colorA}
\colorlet{colorFrametitle}{blue}  %{colorA}
\colorlet{colorTitlepage}{blue}  %{colorA}
\colorlet{colorFiligrane}{gray}  %{colorB}
\colorlet{colorBackElement}{gray}  %{colorB}
\colorlet{colorProgBar}{yellow}  %{colorC}
\colorlet{colorAlert}{red}    %{colorD}
\colorlet{colorExample}{green}  %{colorE}
```

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

`\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`

Updated: 2024-11-11

`\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`
`\gothamRightFooterPadding`
`\gothamFooterHOffset`

`\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`
`\gothamHposRightRotFooter`
`\gothamVposLeftRotFooter`
`\gothamVposRightRotFooter`

Lengths that are controlling the horizontal and vertical positioning of the left and right elements of the rotated footer.

`\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.

`\sectionoffset`

`\gothamProgressSectionHeight`

`\sectionoffset` 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/frames (when progress bar are used).

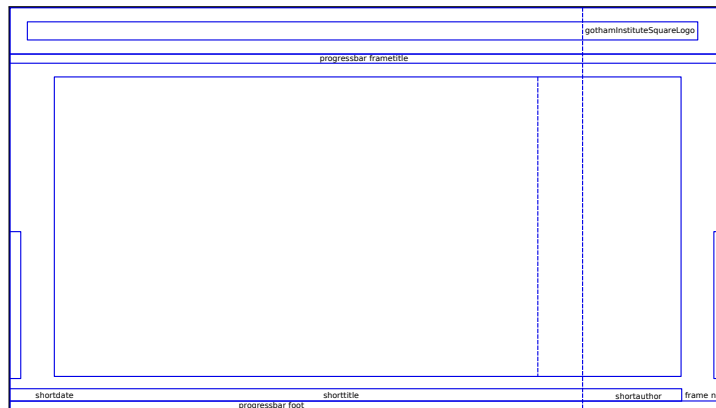


Figure 3: The layout used by **Gotham**.

```
\gothamDividedPicTop
\gothamDividedPicBottomIncr
\gothamDividedPicTextWidth
```

New: 2025-12-25

These variables control the dimensions of the splitting trapezoid on the title page for the gotham divided style.

`\gothamDividedPicTop` controls the distance between the top right corner and the top splitting point.

`\gothamDividedPicBottomIncr` controls the increment toward the left direction for the bottom splitting point.

`\gothamDividedPicTextWidth` controls the width of the text on the titlepage (for the divided style).

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 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

Gotham is licensed under the terms of the [LaTeX project public license \(LPPL\) 1.3c](#) license.

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`):
 $\langle title\ format\rangle = [\langle \underline{textregular} \ | \ lower \ | \ upper \ | \ titlecase\rangle]$
 $\langle title\ shape\rangle = [\langle \underline{textregular} \ | \ smallcaps \ | \ italic\rangle]$
 $\langle subtitle\ format\rangle = [\langle \underline{textregular} \ | \ lower \ | \ upper \ | \ titlecase\rangle]$
 $\langle subtitle\ shape\rangle = [\langle \underline{textregular} \ | \ smallcaps \ | \ italic\rangle]$
 $\langle frametitle\ format\rangle = [\langle \underline{textregular} \ | \ lower \ | \ upper \ | \ titlecase\rangle]$
 $\langle frametitle\ shape\rangle = [\langle \underline{textregular} \ | \ smallcaps \ | \ italic\rangle]$
 $\langle framesubtitle\ format\rangle = [\langle \underline{textregular} \ | \ lower \ | \ upper \ | \ titlecase\rangle]$
 $\langle framesubtitle\ shape\rangle = [\langle \underline{textregular} \ | \ smallcaps \ | \ italic\rangle]$
 $\langle part\ format\rangle = [\langle \underline{textregular} \ | \ lower \ | \ upper \ | \ titlecase\rangle]$
 $\langle part\ shape\rangle = [\langle \underline{textregular} \ | \ smallcaps \ | \ italic\rangle]$
 $\langle section\ format\rangle = [\langle \underline{textregular} \ | \ lower \ | \ upper \ | \ titlecase\rangle]$
 $\langle section\ shape\rangle = [\langle \underline{textregular} \ | \ smallcaps \ | \ italic\rangle]$
 $\langle subsection\ format\rangle = [\langle \underline{textregular} \ | \ lower \ | \ upper \ | \ titlecase\rangle]$
 $\langle subsection\ shape\rangle = [\langle \underline{textregular} \ | \ smallcaps \ | \ italic\rangle]$
 $\langle subsubsection\ format\rangle = [\langle \underline{textregular} \ | \ lower \ | \ upper \ | \ titlecase\rangle]$
 $\langle subsubsection\ shape\rangle = [\langle \underline{textregular} \ | \ smallcaps \ | \ italic\rangle]$

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

```

\gothamReloadColors \gothamReloadColors

```

Command to reassign a color names used internally to its corresponding color element of the set.

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

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

`<background> = [transparent | light | dark]`

`<block> = [native | fill | transparent]`

`<colorset> = [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

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

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

`\gothamDividedPicTop`

`\gothamDividedPicBottomIncr`

`\gothamDividedPicTextWidth`

variables controlling the dimensions of the splitting trapezoid on the title page for the gotham divided style. `\gothamDividedPicTop` controls the distance between the top right corner and the top splitting point. `\gothamDividedPicBottomIncr` controls the increment toward the left direction for the bottom splitting point. `\gothamDividedPicTextWidth` controls the width of the text on the titlepage (for the divided style).

`__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**):

`<title page> = [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**):

`<watermark default> = [off / on]`

`<watermark template> = [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 **nwatermark**.

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**):

`<standin template> = [gotham / ...]`

`<standout template> = [gotham / ...]`

`<standin BG template> = [gotham / ...]`

`<standout BG template> = [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 'part content' title for part, section and subsection (if these
`\secContentName` ToC frames are enabled). An option for subsubsection is not useful (at least up to
`\subsecContentName` 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.

`\partpageOptions` Variable commands that contain the coma-separated list of options which are given to
`\sectionpageOptions` the partpage (respectively to the section, subsection and subsubsection).
`\subsectionpageOptions`
`\subsubsectionpageOptions`

New: 2025-01-06

`\partpageTocOptions`
`\sectionpageTocOptions`
`\subsectionpageTocOptions`
`\subsubsectionpageTocOptions`

New: 2025-01-06

Variable commands that contain the coma-separated list of options which are given to the toc page's frame at the begin of a part (respectively to the section, subsection and subsubsection).

`\partTocOptions` Variable commands that contain the coma-separated list of options which are given to
`\sectionTocOptions` the `\tableofcontents` at the beginning of a part (respectively to the section, subsection
`\subsectionTocOptions` and subsubsection).
`\subsubsectionTocOptions`

New: 2025-01-06

`\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**):
`<partframe template> = [<gotham progressbar | gotham simple | gotham splitvert
progressbar | gotham splitvert simple | gotham progressvert | ...>]`
`<partframe default> = [<on | off>]`
`<sectionframe template> = [<gotham progressbar | gotham simple | gotham splitvert
progressbar | gotham splitvert simple | gotham progressvert | ...>]`
`<sectionframe default> = [<on | off>]`
`<subsectionframe template> = [<gotham progressbar | gotham simple | gotham
splitvert progressbar | gotham splitvert simple | gotham progressvert | ...>]`
`<subsectionframe default> = [<on | off>]`
`<subsubframe template> = [<gotham progressbar | gotham simple | gotham splitvert
progressbar | gotham splitvert simple | gotham progressvert | ...>]`
`<subsubframe 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**):

`<tocframe template> = [<gotham bullet | gotham simple | ...>]`

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

`<parttocframe default> = [<on | off>]`

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

`<sectocframe default> = [<on | off>]`

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

`<subsectocframe 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`
`\sidebarLeftHOffset` (respectively `\gothamLeftFiligrane`) when using the default sidebar canvas (right and left) from gotham.

`\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`):

`<edging default> = [off | on]`

`<sidebar canvas left template> = [gotham | ...]`

`<sidebar canvas right template> = [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 inlgraphics (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 adapt the bottom padding when a subtitle is given.

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

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

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

`<framesubtitle template> = [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**):

`<frametitle continuation template> = [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**

Updated: 2024-11-11

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.

\begin{frame}[nopagenumber]

Add a frame option `nopagenumber` to do not display the page number in the footline.

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> = [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`):
`<footer template> = [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`):
`<numbering> = [none | framenumber | totalframenumber | appendixframenumber | pagenumber | totalpagenumber | circle | ...]`
`<framesubtitle template> = [gotham subnewline | ...]`

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

MiniFrames & Progress bar

MiniFrames

Select the bullets shape

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

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

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

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

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

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

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

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

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

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

MiniFrames Navigation

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

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

`<mini frames compress> = [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[option1=value1, ...]{gotham}`

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

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

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

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

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

`<mini frames nav sectioning> = [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`):

`<mini frames nav position> = [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 you can do `\renewcommand{\gothamInstituteLogoCircle}[1][4ex]{\includegraphics[height=#1.`

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

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

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

The 'package' (`useoutertheme`) options can control `progressbar` 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`):

`<progressbar style> = [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`):

`<progressbar advancement> = [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`):

`<progressbar mfn> = [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.

`\gothamreset` `\gothamreset`

Command to reset gotham to default. Mainly useful when other theme have left some definitions.

8 Package implementation for developers

```
1 ⟨*font⟩
2 \ProvidesExplPackage{beamerfontthemegotham}{2025-12-25}{1.2.4.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   {
42     % True
43     #2
44   }{
45     % False
46     #3
47   }
48 }
```

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

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

```

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

```

```

92 % If this fails, the suffix OT --- used by some Linux distributions --- will be tried.
93 \iffontsavailable{Fira~Mono~Medium~OT, Fira~Mono~Bold~OT}{
94   \setmonofont[BoldFont={Fira~Mono~Medium~OT}]{Fira~Mono~Bold~OT}
95   \renewcommand{\ttdefault}{lmtt} % Latin Modern Typewriter
96 }{
97   % If this also fails, a warning will be displayed and the standard fonts will be used.
98   \msg_warning:nn { gotham } { fonts-not-available }
99 }
100 }
101 %
102 % Add a feature for numbers in tables.
103 \AtBeginEnvironment{tabular}{
104   \addfontfeature{Numbers={Monospaced}}
105 }
106 }{
107 % If compiled with pdf\LaTeX{}, then apply a dirty patch (that will not do the job but supp
108 \msg_warning:nn { gotham } { compiler-xe-or-lua }
109 \DeclareFontShape{OT1}{cmss}{bx}{sc}{<-> cmbcsc10}{-}
110 \DeclareFontShape{OT1}{cmss}{bx}{it}{<->sub*cmss/m/sl}{-}
111 }

```

(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.*

```

112 \setbeamerfont{title}{size=\Large, series=\bfseries}
113 \setbeamerfont*{subtitle}{size=\large}
114 \setbeamerfont{author}{size=\small}
115 \setbeamerfont{date}{size=\small}
116
117 \setbeamerfont{section~title}{size=\Large, series=\bfseries}
118 \setbeamerfont{subsection~title}{size=\large, series=\bfseries}
119 \setbeamerfont{subsubsection~title}{size=\normalsize, series=\bfseries}
120
121 \setbeamerfont{frametitle}{size=\large, series=\bfseries}
122 \setbeamerfont{frametitleToc}{size=\LARGE, series=\bfseries}
123 \setbeamerfont{frametitleSection}{size*={60}{1}, series=\bfseries}
124
125 \setbeamerfont{page~number~in~head/foot}{size=\footnotesize}
126 \setbeamerfont{footline}{size=\scriptsize}
127
128 \setbeamerfont{block~title}{size=\normalsize, series=\bfseries}
129 \setbeamerfont{block~title~alerted}{size=\normalsize, series=\bfseries}

```

```

130 \setbeamerfont{caption}{size=\small}
131 \setbeamerfont{caption-name}{series=\bfseries}
132 \setbeamerfont{description~item}{series=\bfseries}
133
134 \setbeamerfont{bibliography~entry~author}{size=\normalsize, series=\normalfont}
135 \setbeamerfont{bibliography~entry~title}{size=\normalsize, series=\bfseries}
136 \setbeamerfont{bibliography~entry~location}{size=\normalsize, series=\normalfont}
137 \setbeamerfont{bibliography~entry~note}{size=\small, series=\normalfont}
138 \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` titles_formats Pre-hooks that will be inserted to control case format of titles in addition with the fonts set.

The following test files are used for this code: *gotham-test-035*, *gotham-test-036*, *gotham-test-036b*, *gotham-test-1045*.

```

139 \def\gotham@titleformat#1{#1}
140 \def\gotham@subtitleformat#1{#1}
141 \def\gotham@parttitleformat#1{#1}
142 \def\gotham@sectiontitleformat#1{#1}
143 \def\gotham@subsectiontitleformat#1{#1}
144 \def\gotham@subsubsectiontitleformat#1{#1}
145 \def\gotham@frametitleformat#1{#1}
146 \def\gotham@framesubtitleformat#1{#1}
147 % IF ONE DAY: I can patch beamer with expl3, I will use the following commands instead.
148 % %% \cs_new:Npn \_gotham_unchanged:n #1 {#1}
149 % %% \cs_new:Npn \_gotham_title_format:n #1 {#1}
150 % %% \cs_new:Npn \_gotham_subtitle_format:n #1 {#1}
151 % %% \cs_new:Npn \_gotham_part_title_format:n #1 {#1}
152 % %% \cs_new:Npn \_gotham_section_title_format:n #1 {#1}
153 % %% \cs_new:Npn \_gotham_subsection_title_format:n #1 {#1}
154 % %% \cs_new:Npn \_gotham_frametitle_format:n #1 {#1}
155 % %% \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*, *gotham-test-036b*, *gotham-test-1042*.

```

156 \ExplSyntaxOff
157 \patchcmd{\beamer@title}
158 {\def\inserttitle{#2}}
159 {\def\inserttitle{\gotham@titleformat{#2}}}
160 % {\def\inserttitle{ \__gotham_title_format:n{#2} }}
161 {}
162 {\PackageError{beamerfontthemegotham}{Patching-title~failed}\@ehc}
163 \patchcmd{\beamer@subtitle}
164 {\def\insertsubtitle{#2}}
165 {\def\insertsubtitle{\gotham@subtitleformat{#2}}}
166 % {\def\insertsubtitle{ \__gotham_subtitle_format:n{#2} }}
167 {}
168 {\PackageError{beamerfontthemegotham}{Patching-subtitle~failed}\@ehc}
169
170
171 % %%% PART %%%
172
173 % Missing command for part in toc from https://tex.stackexchange.com/questions/5285/tableofc
174 %% number, partname, page.
175 \providecommand\beamer@partintoc[3]{%
176 \ifnum\c@tocdepth=-1\relax
177 % requesting onlyparts.
178 \makebox[6em]{PART #1:} #2
179 \par
180 \fi
181 }
182 \define@key{beamertoc}{onlyparts}[]{%
183 \c@tocdepth=-1\relax
184 }
185 \patchcmd{\beamer@part} % beamerbasenavigation.sty 1.195
186 {\def\beamer@partname{#2}}
187 {\def\beamer@partname{\gotham@parttitleformat{#2}}}
188 {}
189 {\PackageError{beamerfontthemegotham}{Patching-part~title~failed}\@ehc}%
190 \patchcmd{\beamer@part} % beamerbasenavigation.sty 1.195
191 {\def\beamer@partnameshort{#1}}
192 {\def\beamer@partnameshort{\gotham@parttitleformat{#1}}}
193 {}
194 {\PackageError{beamerfontthemegotham}{Patching-part~title~failed}\@ehc}%
195 \patchcmd{\beamer@part} % beamerbasenavigation.sty 1.195
196 {\protect\partentry{#2}{\the\c@part}}

```

```

197 {\protect\partentry{\gotham@parttitleformat{#2}}{\the\c@part}}
198 {}
199 {\PackageError{beamerfontthemegotham}{Patching-part-title-failed}\@ehc}%
200 \patchcmd{\beamer@part} % beamerbasenavigation.sty 1.195
201 {\Hy@writebookmark{\the\c@part}{#1}{Outline\the\c@part}{1}{toc}}
202 {\Hy@writebookmark{\the\c@part}{\gotham@parttitleformat{#1}}{Outline\the\c@part}{1}{toc}}
203 {}
204 {\PackageError{beamerfontthemegotham}{Patching-part-title-failed}\@ehc}%
205
206
207 %%%% SECTION %%%%
208 %
209 % \patchcmd{\sectionentry} % beamerbasenavigation.sty 1.335
210 % {\def\insertsectionhead{#2}}
211 % {\def\insertsectionhead{\gotham@sectiontitleformat{#2}}}
212 % {}
213 % {\PackageError{beamerfontthemegotham}{Patching-section-title-failed}\@ehc}%
214 \patchcmd{\beamer@section} % beamerbasenavigation.sty 1.195
215 {\protect\beamer@sectionintoc{\the\c@section}{#2}}
216 {\protect\beamer@sectionintoc{\the\c@section}{\gotham@sectiontitleformat{#2}}}
217 {}
218 {\PackageError{beamerfontthemegotham}{Patching-section-title-failed}\@ehc}%
219 \patchcmd{\beamer@section} % beamerbasenavigation.sty 1.195
220 {\long\def\secname{#2}}
221 {\long\def\secname{\gotham@sectiontitleformat{#2}}}
222 {}
223 {\PackageError{beamerfontthemegotham}{Patching-section-title-failed}\@ehc}%
224
225 \@tempswafalse
226 \patchcmd{\beamer@section} % beamerbasesection.sty 1. 209
227 {\def\insertsectionhead{\hyperlink{Navigation\the\c@page}{#1}}}
228 {\def\insertsectionhead{\hyperlink{Navigation\the\c@page}{\gotham@sectiontitleformat{#1}}}}
229 % \__gotham_section_title_format:n{#2}
230 {\@tempwatrue}
231 {}
232 \patchcmd{\beamer@section} % beamerbasesection.sty 1. 209
233 {\edef\insertsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\unexpanded{#1}}}}
234 {\edef\insertsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpand\gotham@sectio
235 % \exp_not:N \__gotham_section_title_format:n {#1}
236 {\@tempwatrue}
237 {}
238 \if@tempswa\else
239 {\PackageError{beamerfontthemegotham}{Patching-section-title-failed}\@ehc}

```

```

240 \fi
241 \@tempwafalse
242
243
244 % %%% SUBSECTION %%%
245
246 \patchcmd{\beamer@subsection} % beamerbasenavigation.sty 1.195
247 {\protect\beamer@subsectionintoc{\the\c@section}{\the\c@subsection}{#2}}
248 {\protect\beamer@subsectionintoc{\the\c@section}{\the\c@subsection}{\gotham@subsectiontitle
249 {}
250 {\PackageError{beamerfontthemegotham}{Patching-subsection-title-failed}\@ehc}%
251 \patchcmd{\beamer@subsection} % beamerbasenavigation.sty 1.195
252 {\long\def\subsecname{#2}}
253 {\long\def\subsecname{\gotham@subsectiontitleformat{#2}}}
254 {}
255 {\PackageError{beamerfontthemegotham}{Patching-subsection-title-failed}\@ehc}%
256
257 \@tempwafalse
258 \patchcmd{\beamer@subsection} % beamerbasesubsection.sty 1. 209
259 {\def\insertsubsectionhead{\hyperlink{Navigation\the\c@page}{#1}}}
260 {\def\insertsubsectionhead{\hyperlink{Navigation\the\c@page}{\gotham@subsectiontitleformat{
261 % \__gotham_subsection_title_format:n{#2}
262 {\@tempwatrue}
263 {}
264 \patchcmd{\beamer@subsection} % beamerbasesubsection.sty 1. 209
265 {\edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\unexpanded{#1}}}}
266 {\edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpand\gotham@sub
267 % \exp_not:N \__gotham_subsection_title_format:n {#1}
268 {\@tempwatrue}
269 {}
270 \if@tempwa\else
271 {\PackageError{beamerfontthemegotham}{Patching-subsection-title-failed}\@ehc}
272 \fi
273 \@tempwafalse
274
275
276 % %%% SUBSUBSECTION %%%
277
278 \patchcmd{\beamer@subsubsection} % beamerbasenavigation.sty 1.195
279 {\long\def\subsubsecname{#2}}
280 {\long\def\subsubsecname{\gotham@subsubsectiontitleformat{#2}}}
281 {}
282 {\PackageError{beamerfontthemegotham}{Patching-subsubsection-title-failed}\@ehc}%

```

```

283 \patchcmd{\beamer@subsubsection} %\protect\beamer@subsubsectionintoc
284 {{\the\c@section}{\the\c@subsection}{\the\c@subsubsection}{#2}}
285 {{\the\c@section}{\the\c@subsection}{\the\c@subsubsection}{\gotham@subsubsectiontitleformat
286 {}
287 {\PackageError{beamerfontthemegotham}{Patching-subsubsection-title-failed}\@ehc}%
288
289 \@tempswafalse
290
291 \patchcmd{\beamer@subsubsection} % beamerbasesubsubsection.sty l. 209
292 {\edef\insertsubsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\unexpanded{#1}}}}
293 {\edef\insertsubsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpand\gotham@
294 % \exp_not:N \__gotham_subsubsection_title_format:n {#1}
295 {\@tempwattrue}
296 {}
297 \if@tempswa\else
298 {\PackageError{beamerfontthemegotham}{Patching-subsubsection-title-failed}\@ehc}
299 \fi
300 \@tempswafalse
301
302 %
303 % Similarly, to make the |\MakeLowercase| and |\MakeUppercase| macros work in the frame titl
304 \providecommand{\beamer@insertframetitlecontinuation}{
305 \usebeamertemplate*{frametitle~continuation}
306 }
307 \patchcmd{\beamer@@frametitle} % beamerbaselocalstructure.sty l. 32
308 {\gdef\insertframetitle{%
309 #2%
310 \ifnum\beamer@autobreakcount>0
311 \relax{}\space%
312 \beamer@insertframetitlecontinuation%
313 \fi%
314 }}%
315 }
316 {\gdef\insertframetitle{%
317 \gotham@frametitleformat{#2}%
318 % \__gotham_frametitle_format:n {#2}
319 \ifnum\beamer@autobreakcount>0
320 \relax{}\space%
321 \beamer@insertframetitlecontinuation%
322 \fi%
323 }}%
324 }
325 {}

```

```

326 {\PackageWarning{beamerfontthemegotham}{Patching~frametitle~failed}\@ehc}
327 %
328 %% NOT WORKING YET !
329 %% \patchcmd{\framesubtitle} % beamerbaselocalstructure.sty 1.55
330 %% {\only#2{\ifblank{#1}{}}{\gdef\insertframesubtitle{#{1}}\beamer@aftersubtitle}}
331 %% {\only{#2}{\ifblank{#1}{}}{\gdef\insertframesubtitle{#{1}}\beamer@aftersubtitle}}
332 %% {}
333 %% {\PackageWarning{beamerfontthemegotham}{Patching~framesubtitle~failed}\@ehc}
334 %
335 \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*, *gotham-test-036b*.

```

336 \keys_define:nn { gotham / font }
337 {
338   % format title
339   format~title .choice:,
340   format~title .usage:n = { general },
341   format~title .default:n = { regular },
342   format~title / regular .code:n =
343   {
344     \let\gotham@titleformat\@empty
345     % \cs_set_eq:NN \__gotham_title_format:n \__gotham_unchanged:n
346   },
347   format~title / lower .code:n =
348   {
349     \let\gotham@titleformat \text_lowercase:n %\lowercase
350     % \cs_set_eq:NN \__gotham_title_format:n \text_lowercase:n
351     \PackageWarning{ gotham } { Be-aware-that~format~title=lower~can-lead-to~problems. }
352   },
353   format~title / upper .code:n =
354   {
355     \let\gotham@titleformat \text_uppercase:n %\uppercase
356     % \cs_set_eq:NN \__gotham_title_format:n \text_uppercase:n
357     \PackageWarning{ gotham } { Be-aware-that~format~title=upper~can-lead-to~problems. }
358   },
359   format~title / titlecase .code:n =

```

```

360 {
361 \let\gotham@titleformat \text_titlecase_all:n %\MakeTitlecase
362 % \cs_set_eq:NN \__gotham_title_format:n \text_titlecase_all:n
363 \PackageWarning{ gotham } { Be-aware-that-format-title=titlecase-can-lead-to-problems. }
364 },
365 format~title / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl
366 }
367 \keys_define:nn { gotham / font }
368 {
369 % shape title
370 shape~title .choice:,
371 shape~title .usage:n = { general },
372 shape~title .default:n = { regular },
373 shape~title / regular .code:n =
374 {
375 \setbeamerfont{title}{shape=\normalfont}
376 },
377 shape~title / smallcaps .code:n =
378 {
379 \setbeamerfont{title}{shape=\scshape}
380 },
381 shape~title / italic .code:n =
382 {
383 \setbeamerfont{title}{shape=\itshape}
384 },
385 shape~title / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl
386 }
387
388 \keys_define:nn { gotham / font }
389 {
390 % format subtitle
391 format~subtitle .choice:,
392 format~subtitle .usage:n = { general },
393 format~subtitle .default:n = { regular },
394 format~subtitle / regular .code:n =
395 {
396 \let\gotham@subtitleformat\@empty
397 % \cs_set_eq:NN \__gotham_subtitle_format:n \__gotham_unchanged:n
398 },
399 format~subtitle / lower .code:n =
400 {
401 \let\gotham@subtitleformat \text_lowercase:n %\lowercase
402 % \cs_set_eq:NN \__gotham_subtitle_format:n \text_lowercase:n

```

```

403 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=lower-can-lead-to-problems. }
404 },
405 format~subtitle / upper .code:n =
406 {
407 \let\gotham@subtitleformat \text_uppercase:n %\uppercase
408 \cs_set_eq:NN \__gotham_subtitle_format:n \text_uppercase:n
409 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=upper-can-lead-to-problems. }
410 },
411 format~subtitle / titlecase .code:n =
412 {
413 \let\gotham@subtitleformat \text_titlecase_all:n %\MakeTitlecase
414 % \cs_set_eq:NN \__gotham_subtitle_format:n \text_titlecase_all:n %\MakeTitlecase
415 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=titlecase-can-lead-to-problems. }
416 },
417 format~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_value
418 }
419 \keys_define:nn { gotham / font }
420 {
421 % shape subtitle
422 shape~subtitle .choice:,
423 shape~subtitle .usage:n = { general },
424 shape~subtitle .default:n = { regular },
425 shape~subtitle / regular .code:n =
426 {
427 \setbeamerfont{subtitle}{shape=\normalfont}
428 },
429 shape~subtitle / smallcaps .code:n =
430 {
431 \setbeamerfont{subtitle}{shape=\scshape}
432 },
433 shape~subtitle / italic .code:n =
434 {
435 \setbeamerfont{subtitle}{shape=\itshape}
436 },
437 shape~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_value
438 }
439
440 \keys_define:nn { gotham / font }
441 {
442 % format frametitle
443 format~frametitle .choice:,
444 format~frametitle .usage:n = { general },
445 format~frametitle .default:n = { regular },

```

```

446 format~frametitle / regular .code:n =
447 {
448   \let\gotham@frametitleformat\@empty
449   % \cs_set_eq:NN \__gotham_frametitle_format:n \__gotham_unchanged:n
450 },
451 format~frametitle / lower .code:n =
452 {
453   \let\gotham@frametitleformat \text_lowercase:n %\lowercase
454   % \cs_set_eq:NN \__gotham_frametitle_format:n \text_lowercase:n
455   \PackageWarning{ gotham } { Be-aware-that-format~frametitle=lower~can-lead-to~problems. }
456 },
457 format~frametitle / upper .code:n =
458 {
459   \let\gotham@frametitleformat \text_uppercase:n %\uppercase
460   % \cs_set_eq:NN \__gotham_frametitle_format:n \text_uppercase:n
461   \PackageWarning{ gotham } { Be-aware-that-format~frametitle=upper~can-lead-to~problems. }
462 },
463 format~frametitle / titlecase .code:n =
464 {
465   \let\gotham@frametitleformat \text_titlecase_all:n %\Maketitlecase
466   % \cs_set_eq:NN \__gotham_frametitle_format:n \text_titlecase_all:n %\MakeTitlecase
467   \PackageWarning{ gotham } { Be-aware-that-format~frametitle=titlecase~can-lead-to~problems
468 },
469 format~frametitle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_val
470 }
471 \keys_define:nn { gotham / font }
472 {
473   % shape frametitle
474   shape~frametitle .choice:,
475   shape~frametitle .usage:n = { general },
476   shape~frametitle .default:n = { regular },
477   shape~frametitle / regular .code:n =
478   {
479     \setbeamerfont{frametitle}{shape=\normalfont}
480   },
481   shape~frametitle / smallcaps .code:n =
482   {
483     \setbeamerfont{frametitle}{shape=\scshape}
484   },
485   shape~frametitle / italic .code:n =
486   {
487     \setbeamerfont{frametitle}{shape=\itshape}
488   },

```



```

489 shape~frametitle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_valu
490 }
491
492 \keys_define:nn { gotham / font }
493 {
494 % format framesubtitle
495 format~framesubtitle .choice:,
496 format~framesubtitle .usage:n = { general },
497 format~framesubtitle .default:n = { regular },
498 format~framesubtitle / regular .code:n =
499 {
500 \let\gotham@framesubtitleformat\@empty
501 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \__gotham_unchanged:n
502 },
503 format~framesubtitle / lower .code:n =
504 {
505 \let\gotham@framesubtitleformat \text_lowercase:n %\lowercase
506 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_lowercase:n
507 \PackageWarning{ gotham } { Be~aware~that~format~framesubtitle=lower~can~lead~to~problems.
508 },
509 format~framesubtitle / upper .code:n =
510 {
511 \let\gotham@framesubtitleformat \text_uppercase:n %\uppercase
512 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_uppercase:n
513 \PackageWarning{ gotham } { Be~aware~that~format~framesubtitle=upper~can~lead~to~problems.
514 },
515 format~framesubtitle / titlecase .code:n =
516 {
517 \let\gotham@framesubtitleformat \text_titlecase_all:n %\Maketitlecase
518 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_titlecase_all:n %\Maketitlecase
519 \PackageWarning{ gotham } { Be~aware~that~format~framesubtitle=titlecase~can~lead~to~probl
520 },
521 format~framesubtitle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_
522 }
523 \keys_define:nn { gotham / font }
524 {
525 % shape framesubtitle
526 shape~framesubtitle .choice:,
527 shape~framesubtitle .usage:n = { general },
528 shape~framesubtitle .default:n = { regular },
529 shape~framesubtitle / regular .code:n =
530 {
531 \setbeamerfont{framesubtitle}{shape=\normalfont}

```

```

532 },
533 shape~framesubtitle / smallcaps .code:n =
534 {
535   \setbeamerfont{framesubtitle}{shape=\scshape}
536 },
537 shape~framesubtitle / italic .code:n =
538 {
539   \setbeamerfont{framesubtitle}{shape=\itshape}
540 },
541 shape~framesubtitle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_v
542 }
543
544 \keys_define:nn { gotham / font }
545 {
546   % format part
547   format~part .choice:,
548   format~part .usage:n = { general },
549   format~part .default:n = { regular },
550   format~part / regular .code:n =
551   {
552     \let\gotham@parttitleformat\@empty
553     % \cs_set_eq:NN \__gotham_part_title_format:n \text_titlecase:n
554   },
555   format~part / lower .code:n =
556   {
557     \let\gotham@parttitleformat \text_lowercase:n %\lowercase
558     % \cs_set_eq:NN \__gotham_part_title_format:n \text_lowercase:n
559     \PackageWarning{ gotham } { Be~aware~that~format~part=lower~can~lead~to~problems. }
560   },
561   format~part / upper .code:n =
562   {
563     \let\gotham@parttitleformat \text_uppercase:n %\uppercase
564     % \cs_set_eq:NN \__gotham_part_title_format:n \text_uppercase:n
565     \PackageWarning{ gotham } { Be~aware~that~format~part=upper~can~lead~to~problems. }
566   },
567   format~part / titlecase .code:n =
568   {
569     \let\gotham@parttitleformat\text_titlecase_all:n %\Maketitlecase
570     % \cs_set_eq:NN \__gotham_part_title_format:n \text_titlecase:n
571     \PackageWarning{ gotham } { Be~aware~that~format~part=titlecase~can~lead~to~problems. }
572   },
573   format~part / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'
574 }

```

```

575 \keys_define:nn { gotham / font }
576 {
577 % shape part
578 shape~part .choice:,
579 shape~part .usage:n = { general },
580 shape~part .default:n = { regular },
581 shape~part / regular .code:n =
582 {
583 \setbeamerfont{part~title}{shape=\normalfont}
584 },
585 shape~part / smallcaps .code:n =
586 {
587 \setbeamerfont{part~title}{shape=\scshape}
588 },
589 shape~part / italic .code:n =
590 {
591 \setbeamerfont{part~title}{shape=\itshape}
592 },
593 shape~part / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~
594 }
595
596 \keys_define:nn { gotham / font }
597 {
598 % format section
599 format~section .choice:,
600 format~section .usage:n = { general },
601 format~section .default:n = { regular },
602 format~section / regular .code:n =
603 {
604 \let\gotham@sectiontitleformat\empty
605 % \cs_set_eq:NN \__gotham_section_title_format:n \__gotham_unchanged:n
606 },
607 format~section / lower .code:n =
608 {
609 \let\gotham@sectiontitleformat \text_lowercase:n \%lowercase
610 % \cs_set_eq:NN \__gotham_section_title_format:n \text_lowercase:n
611 \PackageWarning{ gotham } { Be~aware~that~format~section=lower~can~lead~to~problems. }
612 },
613 format~section / upper .code:n =
614 {
615 \let\gotham@sectiontitleformat \text_uppercase:n \%uppercase
616 % \cs_set_eq:NN \__gotham_section_title_format:n \text_uppercase:n
617 \PackageWarning{ gotham } { Be~aware~that~format~section=upper~can~lead~to~problems. }

```

```

618 },
619 format~section / titlecase .code:n =
620 {
621   \let\gotham@sectiontitleformat \text_titlecase_all:n %\Maketitlecase
622   % \cs_set_eq:NN \__gotham_section_title_format:n \text_titlecase_all:n
623   \PackageWarning{ gotham } { Be-aware-that-format~section=titlecase~can~lead~to~problems. }
624 },
625 format~section / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_
626 }
627 \keys_define:nn { gotham / font }
628 {
629   % shape section
630   shape~section .choice:,
631   shape~section .usage:n = { general },
632   shape~section .default:n = { regular },
633   shape~section / regular .code:n =
634   {
635     \setbeamerfont{section~title}{shape=\normalfont}
636   },
637   shape~section / smallcaps .code:n =
638   {
639     \setbeamerfont{section~title}{shape=\scshape}
640   },
641   shape~section / italic .code:n =
642   {
643     \setbeamerfont{section~title}{shape=\itshape}
644   },
645   shape~section / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_t
646 }
647
648 \keys_define:nn { gotham / font }
649 {
650   % format subsection
651   format~subsection .choice:,
652   format~subsection .usage:n = { general },
653   format~subsection .default:n = { regular },
654   format~subsection / regular .code:n =
655   {
656     \let\gotham@subsectiontitleformat\@empty
657     % \cs_set_eq:NN \__gotham_subsection_title_format:n \__gotham_unchanged:n
658   },
659   format~subsection / lower .code:n =
660   {

```

```

661 \let\gotham@subsectiontitleformat \text_lowercase:n %\lowercase
662 % \cs_set_eq:NN \_gotham_subsection_title_format:n \text_lowercase:n
663 \PackageWarning{ gotham } { Be-aware-that-format-subsection=lower-can-lead-to-problems. }
664 },
665 format~subsection / upper .code:n =
666 {
667 \let\gotham@subsectiontitleformat \text_uppercase:n %\uppercase
668 % \cs_set_eq:NN \_gotham_subsection_title_format:n \text_uppercase:n
669 \PackageWarning{ gotham } { Be-aware-that-format-subsection=upper-can-lead-to-problems. }
670 },
671 format~subsection / titlecase .code:n =
672 {
673 \let\gotham@subsectiontitleformat\text_titlecase_all:n %\Maketitlecase
674 % \cs_set_eq:NN \_gotham_subsection_title_format:n \text_titlecase_all:n
675 \PackageWarning{ gotham } { Be-aware-that-format-subsection=titlecase-can-lead-to-problems
676 },
677 format~subsection / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_valu
678 }
679 \keys_define:nn { gotham / font }
680 {
681 % shape subsection
682 shape~subsection .choice:,
683 shape~subsection .usage:n = { general },
684 shape~subsection .default:n = { regular },
685 shape~subsection / regular .code:n =
686 {
687 \setbeamerfont{subsection~title}{shape=\normalfont}
688 },
689 shape~subsection / smallcaps .code:n =
690 {
691 \setbeamerfont{subsection~title}{shape=\scshape}
692 },
693 shape~subsection / italic .code:n =
694 {
695 \setbeamerfont{subsection~title}{shape=\itshape}
696 },
697 shape~subsection / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_valu
698 }
699
700 \keys_define:nn { gotham / font }
701 {
702 % format subsubsection
703 format~subsubsection .choice:,

```

```

704 format~subsubsection .usage:n = { general },
705 format~subsubsection .default:n = { regular },
706 format~subsubsection / regular .code:n =
707 {
708   \let\gotham@subsubsectiontitleformat\@empty
709   % \cs_set_eq:NN \__gotham_subsubsection_title_format:n \__gotham_unchanged:n
710 },
711 format~subsubsection / lower .code:n =
712 {
713   \let\gotham@subsubsectiontitleformat \text_lowercase:n %\lowercase
714   % \cs_set_eq:NN \__gotham_subsubsection_title_format:n \text_lowercase:n
715   \PackageWarning{ gotham } { Be~aware~that~format~subsubsection=lower~can~lead~to~problems.
716 },
717 format~subsubsection / upper .code:n =
718 {
719   \let\gotham@subsubsectiontitleformat \text_uppercase:n %\uppercase
720   % \cs_set_eq:NN \__gotham_subsubsection_title_format:n \text_uppercase:n
721   \PackageWarning{ gotham } { Be~aware~that~format~subsubsection=upper~can~lead~to~problems.
722 },
723 format~subsubsection / titlecase .code:n =
724 {
725   \let\gotham@subsubsectiontitleformat\text_titlecase_all:n %\Maketitlecase
726   % \cs_set_eq:NN \__gotham_subsubsection_title_format:n \text_titlecase_all:n
727   \PackageWarning{ gotham } { Be~aware~that~format~subsubsection=titlecase~can~lead~to~probl
728 },
729 format~subsubsection / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_
730 }
731 \keys_define:nn { gotham / font }
732 {
733   % shape subsubsection
734   shape~subsubsection .choice:,
735   shape~subsubsection .usage:n = { general },
736   shape~subsubsection .default:n = { regular },
737   shape~subsubsection / regular .code:n =
738   {
739     \setbeamerfont{subsubsection~title}{shape=\normalfont}
740   },
741   shape~subsubsection / smallcaps .code:n =
742   {
743     \setbeamerfont{subsubsection~title}{shape=\scshape}
744   },
745   shape~subsubsection / italic .code:n =
746   {

```

```

747 \setbeamerfont{subsubsection~title}{shape=\itshape}
748 },
749 shape~subsubsection / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_v
750 }

```

(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`.

```

751 % when no value is given, default is called.
752 \keys_set:nn { gotham / font } {
753   format~title, shape~title,
754   format~subtitle, shape~subtitle,
755   format~frametitle, shape~frametitle,
756   format~framesubtitle, shape~framesubtitle,
757   format~part, shape~part,
758   format~section, shape~section,
759   format~subsection, shape~subsection,
760   format~subsubsection, shape~subsubsection,
761 }

```

(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`.

```

762 \ProcessKeyOptions[ gotham / font ]

```

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

```

763 %\endinput
764 </font>

```

```

765 <*color>
766 \ProvidesExplPackage{beamercolorthemegotham}{2025-12-25}{1.2.4.a}{Gotham color theme}
767 \RequirePackage{expl3}
768 % \RequirePackage{xparse}
769 \RequirePackage{xcolor}

```

COLOR

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

`colors_definition`

```
770 \definecolor[named]{gLightOrange}{HTML}{EB811B}
771 \definecolor[named]{gLightGreen}{HTML}{14B03D}
772 \definecolor[named]{gDeepBlue}{RGB}{42, 42, 255}
773 \definecolor[named]{gDeepYellow}{RGB}{255, 204, 0}
774 \definecolor[named]{gAnthracite}{HTML}{2d3e50}
775 \definecolor[named]{gLightTeal}{RGB}{172, 195, 210}
776 \definecolor[named]{gPaleYellow}{RGB}{255, 255, 240}
777 \definecolor[named]{gDarkBlack}{gray}{0.1}
778 \definecolor[named]{gDarkGrey}{gray}{0.25}
779 \definecolor[named]{gMidGrey}{gray}{0.5}
780 \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`

```
781 % Define the color palette
782 \@ifundefined{\string\color@colorAreversed}{
783 % default colorset.
784 \colorlet{colorPale}{gPaleYellow} % BG in light/normal mode
785 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
786 \colorlet{colorA}{gAnthracite} % frametitle, standin.out,
787 \colorlet{colorAreversed}{gLightTeal} % frametitle, standin.in,
788 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
789 \colorlet{colorC}{gDeepYellow} % progress bar
790 \colorlet{colorD}{gLightOrange} % alert
791 \colorlet{colorE}{gLightGreen} % example
792 }{
793 % else nothing to do, colors are already defined.
794 }
795 \providecommand{\gothamHookPostColorBGSet}{}
```

(End of definition for `\colorlet{colorPale}` and set gotham palette colors. These variables are documented on page 29.)

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

```
796 % Define the color palette
797 \colorlet{colorFG}{colorDark}
798 \colorlet{colorBG}{colorPale}
799 \colorlet{colorStandin}{colorPale}
800 \colorlet{colorStandout}{colorA}
```



```

801 \colorlet{colorFrametitle}{colorA}
802 \colorlet{colorTitlepage}{colorA}
803 \colorlet{colorFiligrane}{colorB}
804 \colorlet{colorBackElement}{colorB}
805 \colorlet{colorProgBar}{colorC}
806 \colorlet{colorAlert}{colorD}
807 \colorlet{colorExample}{colorE}

```

(End of definition for \colorlet{colorBG}{colorPale} and set functional colors. These variables are documented on page 29.)

\l__gotham_color_assignment_prop: Define a map of color names used internally to the color set elements.

```

808 \prop_if_exist:NTF \l__gotham_color_assignment_prop
809 {}{
810 % if not defined than define it.
811 \prop_new:N \l__gotham_color_assignment_prop
812
813 % Key value (by default)
814 \prop_put:Nnn \l__gotham_color_assignment_prop {colorFG} {colorDark}
815 \prop_put:Nnn \l__gotham_color_assignment_prop {colorBG} {colorPale}
816 \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandin} {colorPale}
817 \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandout} {colorA}
818 \prop_put:Nnn \l__gotham_color_assignment_prop {colorFrametitle} {colorA}
819 \prop_put:Nnn \l__gotham_color_assignment_prop {colorTitlepage} {colorA}
820 \prop_put:Nnn \l__gotham_color_assignment_prop {colorFiligrane} {colorB}
821 \prop_put:Nnn \l__gotham_color_assignment_prop {colorBackElement} {colorB}
822 \prop_put:Nnn \l__gotham_color_assignment_prop {colorProgBar} {colorC}
823 \prop_put:Nnn \l__gotham_color_assignment_prop {colorAlert} {colorD}
824 \prop_put:Nnn \l__gotham_color_assignment_prop {colorExample} {colorE}
825 }

```

(End of definition for \l__gotham_color_assignment_prop:.)

`_gotham_reload_color:` Command to reassign a color names used internally to its corresponding color element of the set. This reassignment is done through the dedicated map.

The following test files are used for this code: gotham-test-1040.

```
826 \cs_new_protected:Nn \_gotham_reload_color:{
827 \colorlet{colorFG}{\prop_item:Nn \l__gotham_color_assignment_prop {colorFG}}
828 \colorlet{colorBG}{\prop_item:Nn \l__gotham_color_assignment_prop {colorBG}}
829 \colorlet{colorStandin}{\prop_item:Nn \l__gotham_color_assignment_prop {colorStandin}}
830 \colorlet{colorStandout}{\prop_item:Nn \l__gotham_color_assignment_prop {colorStandout}}
831 \colorlet{colorFrametitle}{\prop_item:Nn \l__gotham_color_assignment_prop {colorFrametitle}}
832 \colorlet{colorTitlepage}{\prop_item:Nn \l__gotham_color_assignment_prop {colorTitlepage}}
833 \colorlet{colorFiligrane}{\prop_item:Nn \l__gotham_color_assignment_prop {colorFiligrane}}
834 \colorlet{colorBackElement}{\prop_item:Nn \l__gotham_color_assignment_prop {colorBackElement}}
835 \colorlet{colorProgBar}{\prop_item:Nn \l__gotham_color_assignment_prop {colorProgBar}}
836 \colorlet{colorAlert}{\prop_item:Nn \l__gotham_color_assignment_prop {colorAlert}}
837 \colorlet{colorExample}{\prop_item:Nn \l__gotham_color_assignment_prop {colorExample}}
838 }
```

`\gothamReloadColors` Command accessible to users to call the reassignment of color names used internally.

The following test files are used for this code: gotham-test-1040.

```
839 \providecommand{\gothamReloadColors}{
840 \_gotham_reload_color:
841 }
```

`_gotham_color_set_style_anthracite:`

Command to activate anthracite colorset.

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

```
842 \cs_new_protected:Nn \_gotham_color_set_style_anthracite:{
843 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
844 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
845 \colorlet{colorA}{gAnthracite} % frametitle, standin.out,
846 \colorlet{colorAreversed}{gLightTeal} % frametitle, standin.in,
847 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
848 \colorlet{colorC}{gDeepYellOr} % progress bar
849 \colorlet{colorD}{gLightOrange} % alert
850 \colorlet{colorE}{gLightGreen} % example
851 \_gotham_reload_color:
852 }
```

`_gotham_color_set_style_red:`

Command to activate red colorset.

The following test files are used for this code: gotham-test-1037, gotham-test-1040.

```
853 \cs_new_protected:Nn \_gotham_color_set_style_red:{
854 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
855 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
856 \colorlet{colorA}{red} % frametitle, stdin.out,
857 \colorlet{colorAreversed}{gLightTeal} % frametitle, stdin.in,
858 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
859 \colorlet{colorC}{gDeepYellOr} % progress bar
860 \colorlet{colorD}{gLightOrange} % alert
861 \colorlet{colorE}{gLightGreen} % example
862 \_gotham_reload_color:
863 }
```

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

`\providebool{transparentBG}`

```
864 % \providebool{reversedColor}
865 % \boolfalse{reversedColor}
866 \providebool{darkBG}
867 \boolfalse{darkBG}
868 \providebool{transparentBG}
869 \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, gotham-test-1037, gotham-test-055.

```
870 \cs_new_protected:Nn \__gotham_color_set_darkBG:{
871   \booltrue{darkBG}
872   \boolfalse{transparentBG}
873   \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandin} {colorFG}
874   \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandout} {colorAreversed}
875   \prop_put:Nnn \l__gotham_color_assignment_prop {colorFrametitle} {colorAreversed}
876   \prop_put:Nnn \l__gotham_color_assignment_prop {colorTitlepage} {colorAreversed}
877
878   %% adapt and reload
879   \__gotham_reload_color:
880
881   %% dark
882   \setbeamercolor{normal~text}{
883     fg=colorBG,
884     bg=colorFG,
885   }
886   \usebeamercolor[fg]{normal~text}
887   \setbeamercolor{primary~palette}{
888     % reversed color compared to normal text
889     use=normal~text,
890     fg=normal~text.bg,
891     bg=normal~text.fg
892   }
893   \gothamHookPostColorBGSet{}
894 }
```

`__gotham_color_set_lightBG:`

Command to activate light background.

The following test files are used for this code: gotham-test-037, gotham-test-1037, gotham-test-055.

```
895 \cs_new_protected:Nn \__gotham_color_set_lightBG:{
896   \boolfalse{darkBG}
897   \boolfalse{transparentBG}
898   \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandin} {colorBG}
899   \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandout} {colorA}
900   \prop_put:Nnn \l__gotham_color_assignment_prop {colorFrametitle} {colorA}
901   \prop_put:Nnn \l__gotham_color_assignment_prop {colorTitlepage} {colorA}
902
903   %% adapt and reload
904   \__gotham_reload_color:
905
906   %% light
907   \setbeamercolor{normal~text}{
908     fg=colorFG,
909     bg=colorBG
910   }
911   \usebeamercolor[fg]{normal~text}
912   \setbeamercolor{primary~palette}{
913     % reversed color compared to normal text
914     use=normal~text,
915     fg=normal~text.bg,
916     bg=normal~text.fg
917   }
918   \gothamHookPostColorBGSet{}
919 }
```

`__gotham_color_set_transparentBG:`

Command to activate transparent background.

The following test files are used for this code: gotham-test-037, gotham-test-1037, gotham-test-055.

```
920 % \providecommand{\gotham@colors@transparent}{
921 \cs_new_protected:Nn \__gotham_color_set_transparentBG:{
922 \boolfalse{darkBG}
923 \booltrue{transparentBG}
924 {\usebeamercolor[bg]{normal~text}\colorlet{colorStandin}{bg}}% this is not working because
925 % \usebeamercolor{normal~text} % reset % NOT working neither
926 \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandin} {colorBG} % since the two pr
927 \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandout} {colorA}
928 \prop_put:Nnn \l__gotham_color_assignment_prop {colorFrametitle} {colorA}
929 \prop_put:Nnn \l__gotham_color_assignment_prop {colorTitlepage} {colorA}
930
931 %%% adapt and reload
932 \__gotham_reload_color:
933
934 %%% transparent like light background.
935 \setbeamercolor{normal~text}{
936 fg=colorFG,
937 bg=,
938 }
939 \usebeamercolor[fg]{normal~text}
940 \setbeamercolor{primary~palette}{
941 % reversed color compared to normal text
942 use=normal~text,
943 fg=colorBG,
944 bg=normal~text.fg
945 }
946 \gothamHookPostColorBGSet{}
947 }
```

`_gotham_color_set_transparent_block:`

Command to activate transparent block.

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

```
948 \cs_new_protected:Nn \_gotham_color_set_transparent_block:{
949 \setbeamercolor{block~title}{
950   use=normal~text,
951   fg=normal~text.fg,
952   bg=
953 }
954 \setbeamercolor{block~body}{
955   bg=
956 }
957 \setbeamercolor{alerted~text}{
958   fg=colorAlert
959 }
960 \setbeamercolor{example~text}{
961   fg=colorExample
962 }
963 \setbeamercolor{block~title~example}{
964   use={block~title, example~text},
965   bg=block~title.bg,
966   fg=example~text.fg
967 }
968 \setbeamercolor{block~title~alerted}{
969   use={block~title, alerted~text},
970   bg=block~title.bg,
971   fg=alerted~text.fg
972 }
973 }
```

`_gotham_color_set_fill_block:`

Command to activate fill block.

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

```
974 \cs_new_protected:Nn \_gotham_color_set_fill_block:{
975 \setbeamercolor{block~title}{
976   fg=colorBackElement!10!normal~text.fg,
977   bg=colorBackElement!135!fg
978 }
979 \setbeamercolor{block~body}{
980   use={block~title, normal~text},
981   bg=block~title.bg!50!normal~text.bg
982 }
983 \setbeamercolor{alerted~text}{
984   fg=colorAlert
985 }
986 \setbeamercolor{example~text}{
987   fg=colorExample
988 }
989 \setbeamercolor{block~title~example}{
990   use={block~title, example~text},
991   bg=block~title.bg,
992   fg=example~text.fg
993 }
994 \setbeamercolor{block~title~alerted}{
995   use={block~title, alerted~text},
996   bg=block~title.bg,
997   fg=alerted~text.fg
998 }
999 }
```

`_gotham_color_set_native_block:`

Command to activate native block.

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

```
1000 \cs_new_protected:Nn \_gotham_color_set_native_block:{
1001 \setbeamercolor{block~title}{
1002   fg=colorPale,
1003   bg=colorBackElement!90!fg
1004 }
1005 \setbeamercolor{block~body}{
1006   use={block~title, normal~text},
1007   bg=block~title.bg!50!normal~text.bg
1008 }
1009 \setbeamercolor{alerted~text}{
1010   fg=colorAlert
1011 }
1012 % With native block, we have to let alerted text with a visible color (not pale) to keep al
1013 % So, we have to create an extra color: alertedBlock~text.
1014 \setbeamercolor{alertedBlock~text}{
1015   fg=colorPale
1016 }
1017 \setbeamercolor{example~text}{
1018   fg=colorPale
1019 }
1020 \setbeamercolor{block~title~alerted}{
1021   use={block~title, alertedBlock~text},
1022   bg=colorAlert,
1023   fg=alertedBlock~text.fg
1024 }
1025 \setbeamercolor{block~title~example}{
1026   use={block~title, example~text},
1027   bg=colorExample,
1028   fg=example~text.fg
1029 }
1030 }
```

`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.

```
1031 \setbeamercolor{structure}{use=normal~text, fg=normal~text.fg}
```

```

1032 \setbeamercolor{progress~bar}{
1033   use=alerted~text,
1034   fg=colorProgBar,
1035   bg=alerted~text.fg!50!black!30
1036 }

```

(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`.

```

1037 \setbeamercolor{titlelike}{use=normal~text, parent=normal~text}
1038 \setbeamercolor{author}{use=normal~text, parent=normal~text}
1039 \setbeamercolor{date}{use=normal~text, parent=normal~text}
1040 \setbeamercolor{institute}{use=normal~text, parent=normal~text}
1041 \setbeamercolor{frametitle}{
1042   use=primary~palette,
1043   parent=primary~palette,
1044   bg=colorFrametitle
1045 }
1046 % The Gotham inner or outer themes optionally display progress bars in various locations.
1047 % Their color is set by |progress bar| but the two different kinds can be customized separately.
1048 % The horizontal rule on the title page is also set based on the progress bar color and can be customized.
1049 \setbeamercolor{title~separator}{
1050   use=progress~bar,
1051   parent=progress~bar
1052 }
1053 \setbeamercolor{progress~bar~in~head/foot}{%
1054   use=progress~bar,
1055   parent=progress~bar
1056 }
1057 \setbeamercolor{progress~bar~in~part~page}{
1058   use=progress~bar,
1059   parent=progress~bar
1060 }
1061 \setbeamercolor{progress~bar~in~section~page}{
1062   use=progress~bar,
1063   parent=progress~bar
1064 }
1065 \setbeamercolor{progress~bar~in~splitvert}{

```

```

1066 use=progress~bar,
1067 parent=progress~bar
1068 }
1069 % \setbeamercolor{progress~bar~in~subsection~page}{
1070 % use=progress~bar,
1071 % parent=progress~bar
1072 % }
1073 % \setbeamercolor{progress~bar~in~subsubsection~page}{
1074 % use=progress~bar,
1075 % parent=progress~bar
1076 % }
1077 %
1078 % Blocks
1079 \setbeamercolor{block~body~alerted}{use=block~body, parent=block~body}
1080 \setbeamercolor{block~body~example}{use=block~body, parent=block~body}
1081 %
1082 % Footnote
1083 \setbeamercolor{footnote}{fg=normal~text.fg!90}
1084 \setbeamercolor{footnote~mark}{fg=.}
1085 %
1086 % Bibliography
1087 %
1088 % We also reset the bibliography colors in order to pick up the surrounding colors at the ti
1089 % This prevents us having to set the correct color in normal and standout mode.
1090 % \setbeamercolor{bibliography entry author}{fg=, bg=}
1091 % \setbeamercolor{bibliography entry title}{fg=, bg=}
1092 % \setbeamercolor{bibliography entry location}{fg=, bg=}
1093 % \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.

```

1094 % \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
1095 \setbeamercolor{frametitleSection}{use=structure,fg=structure.bg}
1096
1097 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
1098 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
1099
1100 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
1101 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
1102 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
1103 \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*.

```
1104 \keys_define:nn { gotham / color }
1105 {
1106 % block
1107 block .choice:,
1108 block .usage:n = { general },
1109 block .default:n = { native },
1110 block / native .code:n = { \__gotham_color_set_native_block: },
1111 block / transparent .code:n = { \__gotham_color_set_transparent_block: },
1112 block / fill .code:n = { \__gotham_color_set_fill_block: },
1113 block / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is~un
1114 }
1115
1116 \keys_define:nn { gotham / color }
1117 {
1118 % background
1119 background .choice:,
1120 background .usage:n = { general },
1121 background .default:n = { transparent },
1122 background / transparent .code:n = { \__gotham_color_set_transparentBG: },
1123 background / light .code:n = { \__gotham_color_set_lightBG: },
1124 background / dark .code:n = { \__gotham_color_set_darkBG: },
1125 background / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~
1126 }
1127
1128 \keys_define:nn { gotham / color }
1129 {
1130 % colorset
1131 colorset .choice:,
1132 colorset .usage:n = { general },
1133 colorset .default:n = { anthracite },
1134 colorset / anthracite .code:n = { \__gotham_color_set_style_anthracite: },
1135 colorset / red .code:n = { \__gotham_color_set_style_red: },
1136 % colorset / blue .code:n = { },
1137 % colorset / green .code:n = { },
1138 % colorset / orange .code:n = { },
1139 % colorset / teal .code:n = { },
1140 colorset / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is~un
```

```
1141 }
```

(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.

```
1142 % when no value is given, default is called.
1143 \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.

```
1144 \ProcessKeyOptions[ gotham / color ]
1145 \mode<all>
```

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

```
1146 %\endinput
1147 </color>
```

```
1148 <*inner>
1149 \ProvidesExplPackage{beamerinnerthemegotham}{2025-12-25}{1.2.4.a}{gotham inner theme}
1150 \RequirePackage{expl3}
1151 % \RequirePackage{xparse}
1152 \RequirePackage{calc}
1153 % \RequirePackage{xfp}
1154 \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...);

- environnement 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.

```

1155 \@ifundefined{\string\color@colorProgBar}{
1156 \providebool{darkBG} \boolfalse{darkBG}
1157 \providebool{transparentBG} \booltrue{transparentBG}
1158 \colorlet{colorBG}{white}
1159 \colorlet{colorFG}{black}
1160 \colorlet{colorFrametitle}{purple}
1161 \colorlet{colorStandout}{purple}
1162 \colorlet{colorStandin}{purple}
1163 \colorlet{colorTitlepage}{purple}
1164 \colorlet{colorFiligrane}{gray}
1165 \colorlet{colorBackElement}{gray}
1166 \colorlet{colorProgBar}{orange}
1167 \colorlet{colorAlert}{red}
1168 \colorlet{colorExample}{green}
1169 \setbeamercolor{progress~bar}{
1170 use=alerted~text,
1171 fg=colorProgBar,
1172 bg=alerted~text.fg!50!black!30
1173 }
1174 \setbeamercolor{progress~bar~in~head/foot}{%
1175 use=progress~bar,
1176 parent=progress~bar
1177 }
1178 \setbeamercolor{progress~bar~in~part~page}{
1179 use=progress~bar,
1180 parent=progress~bar
1181 }
1182 \setbeamercolor{progress~bar~in~section~page}{
1183 use=progress~bar,
1184 parent=progress~bar
1185 }

```

```

1186 \setbeamercolor{progress~bar~in~splitvert}{
1187   use=progress~bar,
1188   parent=progress~bar
1189 }
1190 \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
1191 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
1192 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
1193 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
1194 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
1195 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
1196 }{
1197 % else the colors are defined: this is fine.
1198 }

```

(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.

```

1199 \def\maketitle{
1200   \ifbeamer@inframe
1201     \titlepage
1202   \else
1203     \frame[plain, c, noframenubering]{\titlepage}
1204   \fi
1205 }
1206 \def\titlepage{
1207 % \setkeys{beamerframe}{c} % no effect
1208 % \setkeys{beamerframe}{plain} % no effect
1209 % \setbeamertemplate{footline}[empty] % no effect
1210 % \setkeys{beamerframe}{nofootline} % create error of unclosed env
1211 \usebeamertemplate{title~page}
1212 }

```

(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.

```

1213 \defbeamertemplate*{title~graphic}{gotham}{
1214 % \vbox to 0pt {% %%%% MODIFIED !
1215 \vbox{
1216 % \vspace*{2em} %%%% COMMENT ADDED !
1217 \inserttitlegraphic
1218 }
1219 \nointerlineskip
1220 }
1221 \defbeamertemplate*{title}{gotham}{
1222 %\raggedright% %%%% COMMENT ADDED !
1223 \linespread{1.0}
1224 \inserttitle
1225 \par
1226 \vspace*{0.5em}
1227 }
1228 \defbeamertemplate*{subtitle}{gotham}{
1229 %\raggedright% %%%% COMMENT ADDED !
1230 \insertsubtitle
1231 \par
1232 \vspace*{0.5em}
1233 }
1234 \defbeamertemplate*{author}{gotham}{
1235 \vspace*{1.em}
1236 \insertauthor
1237 \par
1238 \vspace*{0.25em}
1239 }
1240 \defbeamertemplate*{date}{gotham}{
1241 \insertdate
1242 \par
1243 }
1244 \defbeamertemplate*{institute}{gotham}{
1245 \vspace*{3mm}
1246 \insertinstitute
1247 \par
1248 }

```

(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 1249 \dim_new:N \l__gotham_titleseparator_width_dim
\l__gotham_subtitle_width_dim 1250 \dim_set:Nn \l__gotham_titleseparator_width_dim {\textwidth}
\l__gotham_title_max_width_dim

```



```

1251 \dim_new:N \l__gotham_titleseparator_height_dim
1252 \dim_set:Nn \l__gotham_titleseparator_height_dim {2pt}
1253 % \newlength{\titlewidth}
1254 % \newlength{\subtitlewidth}
1255 % \newlength{\maxwidth}
1256 \dim_new:N \l__gotham_title_width_dim
1257 \dim_new:N \l__gotham_subtitle_width_dim
1258 \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.

```

1259 \defbeamertemplate*{title~separator}{gotham}{
1260 \begin{tikzpicture}
1261 % \fill[fg] (0,0) rectangle (\gotham@titleseparator@linewidth, \gotham@titleseparator@line
1262 \fill[fg] (0,0) rectangle
1263 (\dim_use:N \l__gotham_titleseparator_width_dim,
1264 \dim_use:N \l__gotham_titleseparator_height_dim);
1265 \end{tikzpicture}
1266 \par
1267 }

```

(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*.

```

1268 \providecommand{\gothamtitlepagelogo}{}

```

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

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

```

1269 \providecommand{\gothamtitlepagebg}{}

```

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

`\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*, *gotham-test-056*, *gotham-test-1027*.

```

1270

```

```

1271 % Beamer's definition of |\insertauthor| is always nonempty, so we have to test another macro
1272 % This solution was suggested by Sam Carter in an answer to \href{https://tex.stackexchange.com/}
1273
1274 \defbeamertemplate{title-page}{gotham-normal}{
1275   \ifx\insertframetitle\@empty\else\vspace*{-3em}\fi
1276   \begin{picture}(0,0)
1277     % the background covering the whole page
1278     \put(-30,-125){\noindent
1279       \fcolorbox{normal~text.bg}{normal~text.bg}{
1280         \begin{minipage}[b][\paperheight]{\paperwidth}
1281           \hfil
1282         \end{minipage}
1283       }
1284     }
1285
1286     % The text: title, author, institute, etc.
1287     \put(-3.4,-125){\noindent
1288       \fcolorbox{normal~text.bg}{normal~text.bg}{
1289         \begin{minipage}[b][\paperheight]{\textwidth}
1290           \parbox[c][0pt][c]{0pt}{\gothamtitlepagebg}
1291           \centering
1292           \vfill
1293           \ifx\inserttitle\@empty\else
1294             \parbox{0.99\textwidth}{\centering
1295               \usebeamertemplate*{title}
1296             }\\[1.ex]
1297           \fi
1298           \ifx\insertsubtitle\@empty\else
1299             \parbox{0.99\textwidth}{\centering
1300               \usebeamertemplate*{subtitle}
1301             }\\[2.ex]
1302           \fi
1303           % \hspace*{-0pt}
1304           \usebeamertemplate*{title~separator}
1305           % from above patch
1306           \expandafter\ifblank\expandafter{\beamer@andstripped}{
1307             % empty author
1308             \vspace*{1.em}
1309           }{
1310             \usebeamertemplate*{author}
1311           }
1312           \ifx\insertdate\@empty\else\usebeamertemplate*{date}\fi
1313           \ifx\insertinstitute\@empty\else{\parbox{0.95\textwidth}{\raggedright\usebeamertemplate*

```

```

1314     \vfill
1315     \vbox{}
1316     \end{minipage}
1317   }
1318   % end third argument of fcolorobx
1319 }
1320
1321 % the institute logo on title page
1322 \put(234,-120){
1323   \gothamtitlepagelogo
1324 }
1325
1326 % the extra logos on title page (\inserttitlegraphic)
1327 \put(0,-123){
1328   \noindent\vbox{
1329     \begin{minipage}[b][0.96\paperheight]{\paperwidth}
1330       \ifx\inserttitlegraphic\@empty\else\usebeamertemplate*{title~graphic}\fi
1331     \end{minipage}
1332   }
1333 }
1334 \end{picture}
1335 }

```

(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.

```

1336 \defbeamertemplate{title-page}{gotham-reversed}{
1337   \begin{picture}(0,0)
1338     % The background picture
1339     \put(-28,-128){\gothamtitlepagebg}
1340
1341     % The text: title, author, institute, etc.
1342     \put(-3.4,-125){\noindent
1343       % \fcolorbox{declared-color-frame}{declared-color-background}{text}
1344       \ifbool{darkBG}{
1345         % Dark true
1346         \setbeamercolor{normal~text}{fg=colorFG, }
1347         \fcolorbox{colorPale}{colorPale}% reversed
1348       }{
1349         % Light

```

```

1350 \setbeamercolor{normal~text}{fg=colorBG, }
1351 \fcolorbox{colorTitlepage}{colorTitlepage}% reversed
1352 }% end if
1353 {
1354 % begin third argument of fcolorobx
1355 %\fcolorbox{normal~text.fg}{normal~text.fg}{
1356 \begin{minipage}[b][\paperheight]{\textwidth}
1357 \centering
1358 \vfill
1359 \ifx\inserttitle\@empty\else\usebeamertemplate*{title}\fi
1360 \ifx\insertsubtitle\@empty\else\usebeamertemplate*{subtitle}\fi
1361 \usebeamertemplate*{title~separator}
1362 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1363 % empty author
1364 \vspace*{1.em}
1365 }{
1366 \usebeamertemplate*{author}
1367 }
1368 \ifx\insertdate\@empty\else\usebeamertemplate*{date}\fi
1369 \ifx\insertinstitute\@empty\else{\parbox{0.9\textwidth}{\raggedright\usebeamertemplate*
1370 \vfill
1371 \vbox{}
1372 \end{minipage}
1373 }
1374 % end third argument of fcolorobx
1375 }
1376
1377 % the institute logo on title page
1378 \put(234,-120){
1379 \gothamtitlepagelogo
1380 }
1381
1382 % the extra logos on title page (\inserttitlegraphic)
1383 \put(-27,-123){
1384 \noindent\vbox{
1385 \begin{minipage}[b][0.96\paperheight]{0.899\textwidth}
1386 \ifx\inserttitlegraphic\@empty\else\usebeamertemplate*{title~graphic}\fi
1387 \end{minipage}
1388 }
1389 }
1390 \end{picture}
1391 }

```

(End of definition for \defbeamertemplate{title~page}{gotham-reversed}. This function is docu-

mented on page ??.)

`\gothamDividedPicTop` variables controlling the dimensions of the trapezoid splitting the title page for the gotham
`\gothamDividedPicBottomIncr` divided style.
`\gothamDividedPicTextWidth`

```
1392 \newlength{\gothamDividedPicTop}
1393 \newlength{\gothamDividedPicBottomIncr}
1394 \setlength{\gothamDividedPicTop}{0.275\paperwidth}
1395 \setlength{\gothamDividedPicBottomIncr}{0.275\paperwidth}
1396 \newlength{\gothamDividedPicTextWidth}
1397 \setlength{\gothamDividedPicTextWidth}{.55\textwidth}
```

(End of definition for `\gothamDividedPicTop`, `\gothamDividedPicBottomIncr`, and `\gothamDividedPicTextWidth`.
These variables are documented on page 30.)

`\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`, `gotham-test-1044`.

```
1398 \defbeamertemplate{title-page}{gotham-dividedpic}{
1399 \def\titlecontent{\usebeamerfont{title}\usebeamercolor[fg]{title}\inserttitle}
1400 \def\subtitlecontent{\usebeamerfont{subtitle}\usebeamercolor[fg]{subtitle}\insertsubtitle}
1401 \settowidth\l__gotham_title_width_dim\titlecontent
1402 \settowidth\l__gotham_subtitle_width_dim\subtitlecontent
1403 \setlength\l__gotham_title_max_width_dim{\ifdim\l__gotham_title_width_dim>\l__gotham_subtit
1404 % \thispagestyle{navigation@titlepage}
1405 \begin{minipage}{\gothamDividedPicTextWidth}
1406 \raggedright
1407 \titlecontent\\
1408 \subtitlecontent\\
1409
1410 \textcolor{colorProgBar}{\rule{\ifdim\l__gotham_title_max_width_dim<\gothamDividedPicTextW
1411
1412 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1413 % empty author
1414 \vspace*{2.em}
1415 }{
1416 \usebeamerfont{author}\usebeamercolor[fg]{author}
1417 \insertauthor\\
1418 }
1419 \ifx\beamer@shortauthor\@empty{
1420 % empty short author
1421 }\else{
1422 \ifx\beamer@shortauthor\beamer@andstripped{
```

```

1423     % if the short author is equal to the author skip it.
1424   }\else{
1425     \usebeamerfont{author}\usebeamercolor[fg]{author}
1426     {\insertshortauthor} \par
1427     \vspace{0.5em}
1428   }\fi
1429 }
1430 \fi
1431 \ifx\insertinstitute\@empty\else{
1432   \usebeamertemplate*{institute}\vspace{1.5em}
1433 }\fi
1434 \insertdate
1435 \end{minipage}
1436
1437 % \ifdefined\@background
1438 \begin{tikzpicture}[remember~picture, overlay]
1439   \clip (current~page.south~east)
1440     -- (current~page.north~east)
1441     -- ++(-\gothamDividedPicTop, 0)
1442     -- ++(-\gothamDividedPicBottomIncr, -\paperheight)
1443     -- cycle;
1444
1445   \ifx\gothamtitlepagebg\@empty
1446     \fill[
1447       right~color=colorTitlepage!100,
1448     ]
1449     (current~page.south~east)
1450     rectangle
1451     ++(\dimexpr-\gothamDividedPicTop-\gothamDividedPicBottomIncr, \dimexpr\paperheight);
1452   \else
1453     \node[
1454       anchor=south~east,
1455       inner~sep=0,
1456       outer~sep=0
1457     ] at (current~page.south~east) {
1458       % \includegraphics[height=\paperheight]{\@background}
1459       \gothamtitlepagebg
1460     };
1461   \fi
1462 \end{tikzpicture}
1463 }

```

(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.

```
1464 \defbeamertemplate{title-page}{gotham-splitvert}{
1465 % \IfEmpty{\insertframetitle}{
1466 \ifx\beamer@frametitle\@empty
1467 \vspace*{-0.5\paperheight}
1468 \else %}{
1469 \vspace*{-0.63\paperheight}
1470 \fi %}
1471 {
1472 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}%
1473 \begin{tikzpicture}[overlay, remember~picture]
1474 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
1475 \end{tikzpicture}
1476 }
1477
1478 % \vspace{1.65\baselineskip}
1479 \begin{minipage}[b] [0.5\paperheight]{\textwidth}
1480 % \vspace{\baselineskip}
1481 \vbox{}
1482 \vfill
1483 {
1484 \usebeamerfont{title}
1485 \usebeamercolor[fg]{frametitle}
1486 \inserttitle
1487 }
1488 \ifx\insertsubtitle\@empty\else
1489 \[1ex]
1490 {
1491 \usebeamerfont{subtitle}
1492 \usebeamercolor[fg]{frametitle}
1493 \insertsubtitle
1494 }
1495 \fi
1496 \vspace{1.\baselineskip}
1497 \end{minipage}
1498
1499
1500 % Set the title graphic in a zero-height box, so that
1501 % the position of other elements is not affected.
1502 \ifx\inserttitlegraphic\@empty\else
```

```

1503 \newline
1504 \vspace*{-1.65\baselineskip}
1505 % {\vfuuzz=9999pt\vbox-to~0pt {
1506 {\parbox[c][0pt][c]{\textwidth}{
1507 \raggedleft
1508 \inserttitlegraphic
1509 % \usebeamertemplate*{title~graphic}
1510 }}}
1511 \fi
1512
1513 % \ifx\insertauthor\empty\else
1514 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1515 % empty author
1516 \vspace*{1.em}
1517 }{
1518 \newline
1519 \begin{minipage}[t]{\textwidth}
1520 % \usebeamerfont{normal~text}
1521 % \usebeamerfont{author}
1522 % \insertauthor
1523 \vspace*{-0.65\baselineskip}
1524 \usebeamertemplate*{author}
1525 \end{minipage}
1526 }
1527 % \fi
1528
1529 \ifx\insertinstitute\@empty\else
1530 \newline
1531 \vspace*{-1.65\baselineskip}
1532 \begin{minipage}[t]{\textwidth}
1533 % \usebeamerfont{institute}
1534 % \insertinstitute
1535 \usebeamertemplate*{institute}
1536 \end{minipage}
1537 \fi
1538
1539 \ifx\insertdate\@empty\else
1540 \newline
1541 \begin{minipage}[t]{\textwidth}
1542 \vspace*{2.65\baselineskip}
1543 % \usebeamerfont{date}
1544 % \insertdate
1545 \usebeamertemplate*{date}

```



```

1546 \end{minipage}
1547 \vspace*{-3.15\baselineskip}
1548 \fi
1549 }

```

(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*.

```

1550 \cs_if_exist:NTF \_gotham_set_template:nn {}{
1551 % If it doesn't exist, then create it.
1552
1553 % Define the command to set template if it exists.
1554 \cs_new_protected:Nn \_gotham_set_template:nn
1555 {
1556 \cs_if_exist:cTF {beamer@tmpop@#1@#2} {
1557 \setbeamertemplate{#1}[#2]
1558 }{
1559 \PackageError{beamerinnerthemegotham}
1560 {The~beamer~template~named~'#1'~with~the~option~'#2'~does~not~exist}
1561 {helping~message~unknown~setbeamertemplate~option}
1562 }
1563 }
1564 }

```

`inner_key_ interface` Controls for the title page templates.

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

```

1565 \keys_define:nn { gotham / inner }
1566 {
1567 % title-page
1568 title-page .usage:n = { general },
1569 title-page .default:n = { gotham-normal },
1570 title-page .code:n = { \_gotham_set_template:nn{title-page}{#1} },
1571 }

```

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

Backgrounds

```
1572 % Background lengths
1573 % \newlength{\imageBGoffset}
1574 % \setlength{\imageBGoffset}{\paperwidth}
1575 % \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

```
1576 \prop_if_exist:NTF \l__gotham_template_name_prop
1577   {}{
1578   % if not defined than define it.
1579   \prop_new:N \l__gotham_template_name_prop
1580   }
```

(End of definition for `\l__gotham_template_name_prop`.)

`\amertemplate{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*.

```
1581 \defbeamertemplate{background-canvas}{empty}{% empty background style has a color.
1582 % \ifbeamercolorempy[bg]{background}{\color{bg}\vrule width\paperwidth height\paperheight}
1583 \hspace*{28pt}
1584 \begin{beamercolorbox}[wd=\paperwidth,
1585   ht=\paperheight,
1586   ]{background}
1587   % nothing to write, only a background color
1588   \end{beamercolorbox}
1589 }%
1590 \defbeamertemplate{background}{empty}{}%
```

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

`\te{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*.

```
1591 \defbeamertemplate{background}{watermark/gotham-draft}{
1592 \begin{tikzpicture}[overlay,remember-picture]
1593 \node[color=red, opacity=0.3, scale=5, rotate=45] at ([shift={{(0,0)}}]current-page.center)
1594 \end{tikzpicture}
```

```

1595 }
1596 % Add the template to the prop (dictionary)
1597 \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.

```

1598 \seq_if_exist:NTF \l__gotham_frameoption_tmp_seq {}{
1599 % Define the sequence of frameoptions environments to close
1600 \seq_new:N \l__gotham_frameoption_tmp_seq
1601 }
1602
1603 \cs_if_exist:NTF \__gotham_add_beamerframe_key:n {}{
1604 % if it doesn't exist, then create it.
1605
1606 % Define the command to add frameoptions
1607 \cs_new_protected:Nn \__gotham_add_beamerframe_key:n {
1608 \define@key{beamerframe}{#1}[true]{
1609 \begin{#1env}
1610 \seq_put_left:Nn \l__gotham_frameoption_tmp_seq { \end{#1env} }
1611 }
1612 }
1613
1614 % At the end of frames close the opened environments.
1615 \apptocmd{\beamer@reseteecodes}{
1616 % Join elements in the queue without separator then output the result
1617 \seq_use:Nn \l__gotham_frameoption_tmp_seq {}
1618 % clear working queue
1619 \seq_clear:N \l__gotham_frameoption_tmp_seq
1620 }{}{}
1621 }

```

`\begin{frame}[noBGC]` Add a frame option `noBGC` 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.

```
1622
1623 \newenvironment{noBGCenv}{
1624   \setbeamertemplate{background~canvas}[empty]
1625 }{}
1626 \__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.

```
1627 \bool_new:N \l_gotham_defaultWatermark
1628 \bool_set_false:N \l_gotham_defaultWatermark
1629 % At every new frame, reset the options to default (unless some options/keys are given)
1630 \BeforeBeginEnvironment{frame}{
1631   \bool_if:NTF \l_gotham_defaultWatermark {
1632     \setbeamertemplate{background}[watermark/\prop_item:Nn \l__gotham_template_name_prop {back
1633   }]{% false
1634   \setbeamertemplate{background}[empty]
1635   }
1636 }
```

(End of definition for `\l_gotham_defaultWatermark`. This function is documented on page 31.)

`]\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.

```
1637 % bool to trigger the add of watermark in background
1638 \newenvironment{watermarkenv}{
1639   \setbeamertemplate{background}[
1640     watermark/\prop_item:Nn \l__gotham_template_name_prop {background/watermark}
1641   ]
1642 }{}
1643 \__gotham_add_beamerframe_key:n {watermark}
```

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

`]\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`.

```

1644 % bool to trigger the add of nowatermark in background
1645 \newenvironment{nowatermarkenv}{
1646   \setbeamertemplate{background}[empty]
1647 }{}
1648 \__gotham_add_beamerframe_key:n {nowatermark}

```

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

```

\l__gotham_tmpa_seq tmp variables
\l__gotham_tmpa_tl
\l__gotham_tmpb_tl
1649 \seq_if_exist:NTF \l__gotham_tmpa_seq
1650 {}{
1651   % sequence
1652   \seq_new:N \l__gotham_tmpa_seq
1653 }
1654 \tl_if_exist:NTF \l__gotham_tmpa_tl
1655 {}{
1656   % token list A
1657   \tl_new:N \l__gotham_tmpa_tl
1658 }
1659 \tl_if_exist:NTF \l__gotham_tmpb_tl
1660 {}{
1661   % token list B
1662   \tl_new:N \l__gotham_tmpb_tl
1663 }

```

(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 \l__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.

```
1664 \cs_if_exist:NTF \__gotham_set_prop_template:nn {}{
1665 % if it doesn't exist, then create it.
1666 \cs_new_protected:Nn \__gotham_set_prop_template:nn
1667 {
1668 % Check if the first argument contains a /
1669 \tl_if_in:nnTF { #1 } { / }
1670 {
1671 % Split the first around the /
1672 \seq_set_split:Nnn \l__gotham_tmpa_seq { / } { #1 }
1673 \tl_set:Nn \l__gotham_tmpa_tl { \seq_item:Nn \l__gotham_tmpa_seq { 1 } }
1674 \tl_set:Nn \l__gotham_tmpb_tl { \seq_item:Nn \l__gotham_tmpa_seq { 2 } }
1675 % Check if template exist
1676 \cs_if_exist:cTF {beamer@tmpop@\exp_not:V \l__gotham_tmpa_tl @\exp_not:V \l__gotham_tmpb_tl}
1677 % set the value in the map, so it can be called later.
1678 \prop_put:Nnn \l__gotham_template_name_prop {#1} {#2}
1679 % \setbeamertemplate{#1}[#2]
1680 }{
1681 \PackageError{beamerthemegotham}
1682 {The-beamer-template-named~'\l__gotham_tmpa_tl'~with-the-option~'\l__gotham_tmpb_tl/#2'~
1683 {helping-message}
1684 }
1685 }{% false -> error
1686 \PackageError{beamerthemegotham}
1687 {%
1688 When-using~'\c_backslash_str\cs_to_str:N \__gotham_set_prop_template'~the-first-argument
1689 As-example:~if~'\c_backslash_str defbeamertemplate{background}{watermark/gotham~draft}'~
1690 }{helping-message}
1691 }
1692 }
1693 }
```

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

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

```
1694 \keys_define:nn { gotham / inner }{
1695   % watermark template
1696   watermark~template .usage:n = { general },
1697   watermark~template .default:n = { gotham-draft },
1698   watermark~template .code:n = { \__gotham_set_prop_template:nn{background/watermark}{#1} },
1699 }
1700 \keys_define:nn { gotham / inner }{
1701   % watermark default
1702   watermark~default .choice:,
1703   watermark~default .usage:n = { general },
1704   watermark~default .default:n = { false },
1705
1706   watermark~default / true .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1707   watermark~default / on .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1708   watermark~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1709
1710   watermark~default / false .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1711   watermark~default / off .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1712   watermark~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1713
1714   watermark~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unkn
1715 }
```

(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.

```
1716 \define@key{beamerframe}{c}[true]{
1717   \beamer@frametopskip=0pt~plus~1fill\relax
1718   \beamer@framebottomskip=0pt~plus~1fill\relax
1719   \beamer@frametopskipautobreak=0pt~plus~.4\paperheight\relax
1720   \beamer@framebottomskipautobreak=0pt~plus~.6\paperheight\relax
1721   \def\beamer@initfirstlineunskip{
```

```
1722 }
```

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

`\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*.

```
1723 \defbeamertemplate{background-canvas}{standout/gotham}{
1724 % copied from beamer default
1725 \ifbeamercolorempy[bg]{standout}{
1726 % if the background standout color is transparent, do nothing.
1727 }{
1728 \usebeamercolor[bg]{standout}\color{bg}
1729 \vrule-width\paperwidth~height\paperheight
1730 }
1731 }
1732 % Add the template to the prop (dictionary) of background template to use according to the s
1733 \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*.

```
1734 \defbeamertemplate*{standout}{gotham}{
1735 % \setkeys{beamerframe}{c}
1736 % \setkeys{beamerframe}{noframenumbering}
1737 % \centering
1738
1739 \setbeamertemplate{background-canvas}[standout/\prop_item:Nn \l__gotham_template_name_prop
1740 % \usebeamertemplate{background-canvas}%[standout/gotham]
1741 \usebeamerfont{standout}
1742 % if the background color is switched, then change foreground (font) color.
1743 \ifbeamercolorempy[bg]{primary-palette}{
1744 %true : empty background (transparent)
1745 \setbeamercolor{background-canvas}{
1746 use=primary-palette,
1747 bg=primary-palette.fg
1748 }
1749 }
```



```

1750 %false : background not empty (dark or light)
1751 \setbeamercolor{background-canvas}{
1752   use=primary-palette,
1753   bg=primary-palette.bg
1754 }
1755 }
1756 \setbeamercolor{local-structure}{fg=primary-palette.bg}
1757 \usebeamercolor[fg]{primary-palette}
1758 }

```

(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`.

```

1759 \newenvironment{standoutenv}{
1760   \usebeamertemplate{standout}
1761 }{}
1762 \l__gotham_add_beamerframe_key:n {standout}

```

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

`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`.

```

1763 \defbeamertemplate{background-canvas}{standin/gotham}{
1764   \ifbeamercoloreempty[bg]{standin}{
1765     % if the background standin color is transparent, do nothing.
1766   }{
1767     % Uncomment this if-condition to have a 'light' background in 'transparent' color-mode.
1768     \ifbool{transparentBG}{
1769       % \color{} is not possible so, it is better to do nothing for transparent bg than creatin
1770     }{
1771       \usebeamercolor[bg]{standin}\color{bg}
1772       \vrule~width\paperwidth~height\paperheight
1773     }
1774   }
1775 }
1776 % Add the template to the prop (dictionary) of background template to use according to the s
1777 \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*.

```
1778 \defbeamertemplate*{standin}{gotham}{
1779 %
1780 % \setkeys{beamerframe}{c}
1781 % \setkeys{beamerframe}{noframenumbering}
1782 % \centering
1783 \setbeamertemplate{background-canvas}[standin/\prop_item:Nn \l__gotham_template_name_prop {
1784 % \usebeamertemplate{background-canvas}%[standin/gotham]
1785 \usebeamerfont{standin}
1786 %
1787 % Uncomment this if-condition to have a 'light' frametitle in 'transparent' color-mode.
1788 % \ifbeamercolorempy[bg]{normal-text}{
1789 % %true : empty background (transparent)
1790 % \setbeamercolor{frametitle}{
1791 % use=normal-text,
1792 % bg=colorBG,
1793 % fg=normal-text.fg
1794 % }
1795 % }{
1796 % false
1797 \setbeamercolor{frametitle}{
1798 use=normal-text,
1799 bg=normal-text.bg,
1800 fg=normal-text.fg
1801 }
1802 % }
1803 % \setbeamercolor{frametitle}{
1804 % use=normal-text,
1805 % bg=normal-text.bg,
1806 % fg=normal-text.fg
1807 % }
1808 }
```

(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.

```
1809 \newenvironment{standinenv}{
1810 \usebeamertemplate{standin}
1811 }{}
1812 \__gotham_add_beamerframe_key:n {standin}
```

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

`inner_key_interface` Controls the inner settings for standout and standin.

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

```
1813 \keys_define:nn { gotham / inner }
1814 {
1815 % standout BG template
1816 standout~BG~template .usage:n = { general },
1817 standout~BG~template .default:n = { gotham },
1818 standout~BG~template .code:n = {
1819 \__gotham_set_prop_template:nn{background~canvas/standout}{#1}
1820 },
1821 }
1822 \keys_define:nn { gotham / inner }
1823 {
1824 % standin BG template
1825 standin~BG~template .usage:n = { general },
1826 standin~BG~template .default:n = { gotham },
1827 standin~BG~template .code:n = {
1828 \__gotham_set_prop_template:nn{background~canvas/standin}{#1}
1829 },
1830 }
1831 \keys_define:nn { gotham / inner }
1832 {
1833 % standout template
1834 standout~template .usage:n = { general },
1835 standout~template .default:n = { gotham },
1836 standout~template .code:n = {
1837 \__gotham_set_template:nn{standout}{#1}
1838 },
1839 }
1840 \keys_define:nn { gotham / inner }
1841 {
1842 % standin template
```

```

1843 standin-template .usage:n = { general },
1844 standin-template .default:n = { gotham },
1845 standin-template .code:n = {
1846   \__gotham_set_template:nn{standin}{#1}
1847 },
1848 }

```

(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*.

```

1849 \bool_new:N \l_gotham_partframe
1850 \bool_set_false:N \l_gotham_partframe
1851 \define@key{beamerframe}{part}[true]{
1852   \bool_set_true:N \l_gotham_partframe
1853   \begingroup
1854     \usebeamertemplate{part~frame}
1855 }
1856 \apptocmd{\beamer@reseteecodes}{
1857   \bool_if:NTF \l_gotham_partframe {
1858     \endgroup
1859     \bool_set_false:N \l_gotham_partframe
1860   }{}
1861 }{}{}
1862 % \define@key{beamerframe}{part}[true]{
1863 %   \thispagestyle{navigation@part}
1864 % }
1865 % \def\ps@navigation@part{
1866 %   \usebeamertemplate{part~frame}
1867 %   \@nameuse{ps@navigation}
1868 % }

```

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

`]\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*.

```

1869 \bool_new:N \l_gotham_sectionframe
1870 \bool_set_false:N \l_gotham_sectionframe
1871 \define@key{beamerframe}{section}[true]{
1872 \bool_set_true:N \l_gotham_sectionframe
1873 \begingroup
1874 \usebeamertemplate{section~frame}
1875 }
1876 \apptocmd{\beamer@reseteecodes}{
1877 \bool_if:NTF \l_gotham_sectionframe {
1878 \endgroup
1879 \bool_set_false:N \l_gotham_sectionframe
1880 }{}
1881 }{}{}
1882 % \define@key{beamerframe}{section}[true]{
1883 % \thispagestyle{navigation@section}
1884 % }
1885 % \def\ps@navigation@section{
1886 % \usebeamertemplate{section~frame}
1887 % \@nameuse{ps@navigation}
1888 % }

```

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

`]\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`.

```

1889 \bool_new:N \l_gotham_subsectionframe
1890 \bool_set_false:N \l_gotham_subsectionframe
1891 \define@key{beamerframe}{subsec}[true]{
1892 \bool_set_true:N \l_gotham_subsectionframe
1893 \begingroup
1894 \usebeamertemplate{subsection~frame}
1895 }
1896 \apptocmd{\beamer@reseteecodes}{
1897 \bool_if:NTF \l_gotham_subsectionframe {
1898 \endgroup
1899 \bool_set_false:N \l_gotham_subsectionframe
1900 }{}
1901 }{}{}
1902 % \define@key{beamerframe}{subsec}[true]{
1903 % \thispagestyle{navigation@subsec}

```

```

1904 % }
1905 % \def\ps@navigation@subsec{
1906 % \usebeamertemplate{subsection~frame}
1907 % \@nameuse{ps@navigation}
1908 % }

```

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

`\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`.

```

1909 \bool_new:N \l_gotham_subsubsectionframe
1910 \bool_set_false:N \l_gotham_subsubsectionframe
1911 \define@key{beamerframe}{subsubsec}[true]{
1912 \bool_set_true:N \l_gotham_subsubsectionframe
1913 \begingroup
1914 \usebeamertemplate{subsubsection~frame}
1915 }
1916 \apptocmd{\beamer@reseteecodes}{
1917 \bool_if:NTF \l_gotham_subsubsectionframe {
1918 \endgroup
1919 \bool_set_false:N \l_gotham_subsubsectionframe
1920 }{}
1921 }{}{}
1922 % \define@key{beamerframe}{subsubsec}[true]{
1923 % \thispagestyle{navigation@subsubsec}
1924 % }
1925 % \def\ps@navigation@subsubsec{
1926 % \usebeamertemplate{subsubsection~frame}
1927 % \@nameuse{ps@navigation}
1928 % }

```

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

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

`\partContentName`

```

1929 % repeated from BeamerExtra
1930 \providebool{partContent}
1931 \booltrue{partContent}
1932 \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 'Section contents' title.

`\secContentName`

```
1933 \providebool{sectionContent}
1934 \booltrue{sectionContent}
1935 \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 'Subsection contents' title.

`\subsectionName`

```
1936 \providebool{subsectionContent}
1937 \booltrue{subsectionContent}
1938 \providecommand{\subsectionName}{Subsection~content}
```

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

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

`\subsubsecContentName`

```
1939 % Subsubsection is not useful (at least up to understanding of the moment) because we do not
1940 \providebool{subsubsectionContent}
1941 \booltrue{subsubsectionContent}
1942 \providecommand{\subsubsecContentName}{Subsubsection~content}
```

(End of definition for `\providebool{subsubsectionContent}` and `\subsubsecContentName`. 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*.

```
1943 \def\partname{\translate{Part}}
1944 \defbeamertemplate*{part~title}{gotham}{
1945   \usebeamercolor[fg]{part~title}
1946   \usebeamerfont{part~title}
1947   \partname \ \insertromanpartnumber
1948   \[1.75ex]
1949   \insertpart}
```

```

1950 }
1951 \defbeamertemplate*{section~title}{gotham}{
1952 \usebeamercolor[fg]{section~title}
1953 \usebeamerfont{section~title}
1954 \insertsectionnumber.~
1955 \insertsectionhead
1956 }
1957 \defbeamertemplate*{subsection~title}{gotham}{
1958 \usebeamercolor[fg]{subsection~title}
1959 \usebeamerfont{subsection~title}
1960 \insertsectionnumber.\insertsubsectionnumber.~
1961 \insertsubsectionhead
1962 }
1963 \def\subsubsectionname{\translate{Subsubsection}}
1964 \def\insertsubsubsectionnumber{\arabic{subsubsection}}
1965 \def\subsubsectionpage{\usebeamertemplate*{subsubsection~page}}
1966 \defbeamertemplate*{subsubsection~title}{gotham}{
1967 \usebeamercolor[fg]{subsubsection~title}
1968 \usebeamerfont{subsubsection~title}
1969 \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
1970 \insertsubsubsectionhead
1971 }

```

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

```

\partpageOptions Options used in \begin{frame}[\partpageOptions,part]{\partpage}... TESTED
\sectionpageOptions in gotham-test-1039
\subsectionpageOptions
\subsubsectionpageOptions
1972 \providecommand{\partpageOptions}{noframenumbering}
1973 \providecommand{\sectionpageOptions}{noframenumbering}
1974 \providecommand{\subsectionpageOptions}{noframenumbering}
1975 \providecommand{\subsubsectionpageOptions}{noframenumbering}

```

(End of definition for \partpageOptions and others. These variables are documented on page 33.)

```

\partpageTocOptions Options used in \begin{frame}[\partpageTocOptions,tocpart]{toc part page...}
\sectionpageTocOptions . TESTED in gotham-test-1039
\subsectionpageTocOptions
\subsubsectionpageTocOptions
1976 \providecommand{\partpageTocOptions}{noframenumbering}
1977 \providecommand{\sectionpageTocOptions}{noframenumbering}
1978 \providecommand{\subsectionpageTocOptions}{noframenumbering}
1979 % \providecommand{\subsubsectionpageTocOptions}{noframenumbering}

```

(End of definition for \partpageTocOptions and others. These variables are documented on page 33.)

`\partTocOptions` Options used in `\tableofcontents[\partTocOptions]` . TESTED in gotham-test-1039
`\sectionTocOptions`
`\subsectionTocOptions`
`\subsubsectionTocOptions`

```

1980 \providecommand{\partTocOptions}{}
1981 \providecommand{\sectionTocOptions}{
1982   currentsection, currentsubsection,
1983   hideothersubsections,
1984   sectionstyle=show/shaded,
1985 }
1986 \providecommand{\subsectionTocOptions}{
1987   currentsection, currentsubsection,
1988   % currentsubsubsection,
1989   hideothersubsections,
1990   sectionstyle=show/shaded,
1991   subsectionstyle=show/shaded/hide,
1992   subsubsectionstyle=show/show/hide,
1993 }
1994 % \providecommand{\subsubsectionTocOptions}{}

```

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

`_gotham_inner_disable_partpage:`

`_gotham_inner_enable_partpage:`

Updated: 2025-07-02

Commands to disable or enable the display of a 'part page' frame at the beginning of every new part.

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

```
1995
1996 % Missing command for part in toc from https://tex.stackexchange.com/questions/5285/tableofc
1997 %% number, partname, page.
1998 \@ifundefined{beamer@partintoc}{
1999   \providecommand\beamer@partintoc[3]{
2000     \ifnum\c@tocdepth=-1\relax
2001       % requesting onlyparts.
2002       \makebox[6em]{PART #1:} #2
2003       \par
2004       \fi
2005     }
2006   \define@key{beamertoc}{onlyparts}[]{}
2007   \c@tocdepth=-1\relax
2008   }
2009 }{
2010   %\providecommand\beamer@partintoc is defined, so I guess that \define@key{beamertoc}{only
2011   % they are probably both coming from gotham fonts.
2012   }
2013
2014 \cs_new_protected:Nn \_gotham_inner_disable_partpage:
2015 {
2016   \AtBeginPart{
2017     % intentionally empty except adding part name in toc.
2018     \addtocontents{toc}{\protect\beamer@partintoc{\the\c@part}{\beamer@partname}{\the\c@page}}
2019   }
2020 }
2021
2022 \cs_new_protected:Nn \_gotham_inner_enable_partpage:
2023 {
2024   \AtBeginPart{
2025     % add part name in toc
2026     \addtocontents{toc}{\protect\beamer@partintoc{\the\c@part}{\beamer@partname}{\the\c@page}}
2027
2028     \ifbeamer@inframe
2029       \partpage
2030     \else
2031       \ifdefempty{\partpageOptions}{
2032         % empty partpageOptions command106
2033         \frame[c, part]{\partpage}
2034       }{
2035         % non-empty partpageOptions command
2036         % so store the options in an intermediate variable to expand
2037         \edef\l__gotham_partpageOptions_tmp{c, \partpageOptions, part}
2038         % Give these options expanded to the frame command
```

```
\__gotham_inner_disable_sectionpage:  
\__gotham_inner_enable_sectionpage:
```

Updated: 2025-07-02

Commands to disable or enable the display of a 'section page' frame at the beginning of every new section.

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

```
2069 \cs_new_protected:Nn \__gotham_inner_disable_sectionpage:  
2070 {  
2071 \AtBeginSection{  
2072 % intentionally empty  
2073 }  
2074 }  
2075  
2076 \cs_new_protected:Nn \__gotham_inner_enable_sectionpage:  
2077 {  
2078 \AtBeginSection{  
2079 \ifbeamer@inframe  
2080 \sectionpage  
2081 \else  
2082 \ifdefempty{\sectionpageOptions}{  
2083 % empty sectionpageOptions command  
2084 \frame[c, section]{\sectionpage}  
2085 }{  
2086 % non-empty sectionpageOptions command  
2087 % so store the options in an intermediate variable to expand  
2088 \edef\l__gotham_sectionpageOptions_tmp{c, \sectionpageOptions, section}  
2089 % Give these options expanded to the frame command  
2090 \expandafter\frame\expandafter[\l__gotham_sectionpageOptions_tmp]{\sectionpage}  
2091 }  
2092 \fi  
2093  
2094 \ifbool{sectionContent}{  
2095 % true  
2096 \ifdefempty{\sectionpageTocOptions}{  
2097 % empty sectionpageTocOptions command so let's create a frame with simply tocsec option  
2098 \frame[tocsec]{  
2099 \ifdefempty{\secContentName}{\frametitle{\secContentName}}  
2100 {  
2101 \expandafter\tableofcontents\expandafter[\sectionTocOptions]  
2102 }  
2103 }  
2104 }{  
2105 % non-empty sectionpageTocOptions command so store the options in an intermediate variab  
2106 \edef\l__gotham_sectionpageTocOptions_tmp{\sectionpageTocOptions , tocsec}  
2107 % Give these options expanded to the frame command  
2108 \expandafter\frame\expandafter[\l__gotham_sectionpageTocOptions_tmp]{  
2109 \ifdefempty{\secContentName}{\frametitle{\secContentName}}  
2110 {  
2111 \expandafter\tableofcontents\expandafter[\sectionTocOptions]  
2112 }  
2113 }  
2114 }
```

`_gotham_inner_disable_subsectionpage:`
`_gotham_inner_enable_subsectionpage:`

Updated: 2025-07-02

Commands to disable or enable the display of a 'subsection page' frame at the beginning of every new subsection.

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

```
2120 \cs_new_protected:Nn \_gotham_inner_disable_subsectionpage:
2121 {
2122   \AtBeginSubsection{
2123     % intentionally empty
2124   }
2125 }
2126
2127 \cs_new_protected:Nn \_gotham_inner_enable_subsectionpage:
2128 {
2129   \AtBeginSubsection{
2130     \ifbeamer@inframe
2131       \subsectionpage
2132     \else
2133       \ifdefempty{\subsectionpageOptions}{
2134         % empty subsectionpageOptions command
2135         \frame[c, subsec]{\subsectionpage}
2136       }{
2137         % non-empty subsectionpageOptions command
2138         % so store the options in an intermediate variable to expand
2139         \edef\l__gotham_subsectionpageOptions_tmp{c, \subsectionpageOptions, subsec}
2140         % Give these options expanded to the frame command
2141         \expandafter\frame\expandafter[\l__gotham_subsectionpageOptions_tmp]{\subsectionpage}
2142       }
2143     \fi
2144
2145     \ifbool{subsectionContent}{
2146       % true
2147       \ifdefempty{\subsectionpageTocOptions}{
2148         % empty subsectionpageTocOptions command so let's create a frame with simply tocsubsec o
2149         \frame[tocsubsec]{
2150           \ifdefempty{\subsecContentName}{\frametitle{\subsecContentName}}
2151           {
2152             \expandafter\tableofcontents\expandafter[\subsectionTocOptions]
2153           }
2154         }
2155       }{
2156         % non-empty subsectionpageTocOptions command so store the options in an intermediate var
2157         \edef\l__gotham_subsectionpageTocOptions_tmp{\subsectionpageTocOptions , tocsubsec}
2158         % Give these options expanded to the frame command
2159         \expandafter\frame\expandafter[\l__gotham_subsectionpageTocOptions_tmp]{
2160           \ifdefempty{\subsecContentName}{\frametitle{\subsecContentName}}
2161           {
2162             \expandafter\tableofcontents\expandafter[\subsectionTocOptions]
2163           }
2164         }
2165       }
2166     }
2167   }
2168 }
```

`_gotham_inner_disable_subsubsectionpage:`

`_gotham_inner_enable_subsubsectionpage:`

Updated: 2025-07-02

Commands to disable or enable the display of a 'subsubsection page' frame at the beginning of every new subsubsection.

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

```
2171 \cs_new_protected:Nn \_gotham_inner_disable_subsubsectionpage:
2172 {
2173   \AtBeginSubsubsection{
2174     % intentionally empty
2175   }
2176 }
2177
2178 \cs_new_protected:Nn \_gotham_inner_enable_subsubsectionpage:
2179 {
2180   \AtBeginSubsubsection{
2181     \ifbeamer@inframe
2182       \subsubsectionpage
2183     \else
2184       \ifdefempty{\subsubsectionpageOptions}{
2185         %% empty command
2186         \frame[c, subsubsec]{\subsubsectionpage}
2187       }{
2188         %% non-empty command :
2189         % store temporary the options
2190         \edef\l__gotham_subsubsectionpageOptions_tmp{c,\subsubsectionpageOptions,subsubsec}%{c,s
2191         % Give these options expanded to the frame command
2192         \expandafter\frame\expandafter[\l__gotham_subsubsectionpageOptions_tmp]{\subsubsection
2193       }
2194     \fi
2195
2196     % I don't think anyone will use this for now. But, just in case I keep it commented.
2197     % \ifbool{subsubsectionContent}{
2198     %   % true
2199     %   \ifdefempty{\subsubsectionpageTocOptions}{
2200     %     % empty command
2201     %     \begin{frame}[tocsubsubsec]
2202     %   }{
2203     %     % non-empty command
2204     %     \begin{frame}[\expandafter\subsubsectionpageTocOptions, tocsubsubsec]
2205     %   }
2206     %   \ifdefempty{subsubsecContentName}{\frametitle{\subsubsecContentName}}
2207     %   {
2208     %     \expandafter\tableofcontents109\expandafter[\subsubsectionTocOptions]
2209     %   }
2210     %   \end{frame}
2211     % }{
2212     %   % else empty
2213     % }
2214   }
```

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

```
2216 % horizontal size of the bar (used internally and set to |\textwidth|.
2217 \newlength{\gotham@progressonsectionpage}
2218 % vertical size of the bar
2219 \newlength{\gothamProgressSectionHeight}
2220 \setlength{\gothamProgressSectionHeight}{3pt}
```

(End of definition for `\gothamProgressSectionHeight`. This variable is documented on page 33.)

`\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*.

```
2221 \defbeamertemplate{progress-bar-in-section-page}{empty}{
2222   \vspace{\gothamProgressSectionHeight+1ex}
2223 }
2224
2225 \def\inserttotalframenummer{100}
2226 \defbeamertemplate{progress-bar-in-section-page}{display}{
2227   \setlength{\gotham@progressonsectionpage}{
2228     \textwidth * \ratio{\insertframenummer-pt}{\inserttotalframenummer-pt}
2229   }
2230   \begin{tikzpicture}
2231     \fill[bg] (0,0) rectangle (\textwidth, \gothamProgressSectionHeight);
2232     \fill[fg] (0,0) rectangle (\gotham@progressonsectionpage, \gothamProgressSectionHeight);
2233   \end{tikzpicture}
2234 }
```

(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.

```
2235 \newlength{\sectionoffset}
2236 \setlength{\sectionoffset}{0pt}
```

(End of definition for `\sectionoffset`. This variable is documented on page 34.)

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

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

```
2237 \defbeamertemplate{part-page}{progressbar/simple}{
```

```

2238 %\frametitle{toto section}
2239 \centering
2240 \hspace*{\sectionoffset}
2241 \begin{minipage}{22em}
2242 % \raggedright
2243 \centering
2244 \usebeamertemplate*{part~title}\[-1ex]
2245 \usebeamertemplate*{progress~bar~in~section~page}
2246 \par
2247 \end{minipage}
2248 \par
2249 \vspace{\baselineskip}
2250 }
2251 \defbeamertemplate{section~page}{progressbar/simple}{
2252 %\frametitle{toto section}
2253 \centering
2254 \hspace*{\sectionoffset}
2255 \begin{minipage}{22em}
2256 \raggedright
2257 \usebeamertemplate*{section~title}\[-1ex]
2258 \usebeamertemplate*{progress~bar~in~section~page}
2259 \par
2260 \end{minipage}
2261 \par
2262 \vspace{\baselineskip}
2263 }
2264 \defbeamertemplate{subsection~page}{progressbar/simple}{
2265 %\frametitle{toto section}
2266 \centering
2267 \hspace*{\sectionoffset}
2268 \begin{minipage}{22em}
2269 \raggedright
2270 \usebeamertemplate*{section~title}\[-1ex]
2271 \usebeamertemplate*{progress~bar~in~section~page}
2272 \par
2273 \usebeamertemplate*{subsection~title}
2274 \end{minipage}
2275 \par
2276 \vspace{\baselineskip}
2277 }
2278 \defbeamertemplate{subsubsection~page}{progressbar/simple}{
2279 % \frametitle{toto section}
2280 \centering

```

```

2281 \hspace*{\sectionoffset}
2282 \begin{minipage}{22em}
2283 \raggedright
2284 \usebeamertemplate*{section~title}\[-1ex]
2285 \usebeamertemplate*{progress~bar~in~section~page}
2286 \par
2287 \usebeamertemplate*{subsection~title}
2288 \par
2289 \usebeamertemplate*{subsubsection~title}
2290 \end{minipage}
2291 \par
2292 \vspace{\baselineskip}
2293 }

```

(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*.

```

2294 \defbeamertemplate{background~canvas}{part/gotham}{
2295 \ifbeamercolorempty[bg]{normal~text}{\color{bg}\vrule width\paperwidth height\paperheight}
2296 }
2297 \defbeamertemplate{background~canvas}{section/gotham}{
2298 \setbeamertemplate{background~canvas}[part/gotham]
2299 \usebeamertemplate{background~canvas}
2300 }
2301 \defbeamertemplate{background~canvas}{subsection/gotham}{
2302 \setbeamertemplate{background~canvas}[part/gotham]
2303 \usebeamertemplate{background~canvas}
2304 }
2305 \defbeamertemplate{background~canvas}{subsubsection/gotham}{
2306 \setbeamertemplate{background~canvas}[part/gotham]
2307 \usebeamertemplate{background~canvas}
2308 }

```

(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*.

```

2309 \defbeamertemplate{part~frame}{gotham~simple}{
2310 \setbeamertemplate{background~canvas}[part/gotham]

```



```

2311 \setbeamercolor{frametitle}{
2312   use={frametitleSection, normal~text},
2313   bg=frametitleSection.fg,
2314   fg=normal~text.fg
2315 }
2316 \setbeamertemplate{progress~bar~in~section~page}[empty]
2317 \setbeamertemplate{part~page}[progressbar/simple]
2318   % \usebeamertemplate*{part~page}% activated automatically
2319 }
2320
2321 \defbeamertemplate{section~frame}{gotham~simple}{
2322   \setbeamertemplate{background~canvas}[section/gotham]
2323   \setbeamercolor{frametitle}{
2324     use={frametitleSection, normal~text},
2325     bg=frametitleSection.fg,
2326     fg=normal~text.fg
2327   }
2328   \setbeamertemplate{progress~bar~in~section~page}[empty]
2329   \setbeamertemplate{section~page}[progressbar/simple]
2330     % \usebeamertemplate*{section~page}% activated automatically
2331 }
2332
2333 \defbeamertemplate{subsection~frame}{gotham~simple}{
2334   \setbeamertemplate{background~canvas}[subsection/gotham]
2335   \setbeamercolor{frametitle}{
2336     use={frametitleSection, normal~text},
2337     bg=frametitleSection.fg,
2338     fg=normal~text.fg
2339   }
2340   \setbeamertemplate{progress~bar~in~section~page}[empty]
2341   \setbeamertemplate{subsection~page}[progressbar/simple]
2342     % \usebeamertemplate*{subsection~page}% activated automatically
2343 }
2344
2345 \defbeamertemplate{subsubsection~frame}{gotham~simple}{
2346   \setbeamertemplate{background~canvas}[subsubsection/gotham]
2347   \setbeamercolor{frametitle}{
2348     use={frametitleSection, normal~text},
2349     bg=frametitleSection.fg,
2350     fg=normal~text.fg
2351   }
2352   \setbeamertemplate{progress~bar~in~section~page}[empty]
2353   \setbeamertemplate{subsubsection~page}[progressbar/simple]

```

```

2354   % \usebeamertemplate*{subsubsection-page}% activated automatically
2355 }

```

(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*.

```

2356 \defbeamertemplate{part-frame}{gotham-progressbar}{
2357   \setbeamertemplate{background~canvas}[part/gotham]
2358   \setbeamercolor{frametitle}{
2359     use={frametitleSection, normal~text},
2360     bg=frametitleSection.fg,
2361     fg=normal~text.fg
2362   }
2363   \setbeamertemplate{progress~bar~in~section~page}[display]
2364   \setbeamertemplate{part~page}[progressbar/simple]
2365   % \usebeamertemplate*{part-page}% activated automatically
2366 }
2367
2368 \defbeamertemplate{section~frame}{gotham-progressbar}{
2369   \setbeamertemplate{background~canvas}[section/gotham]
2370   \setbeamercolor{frametitle}{
2371     use={frametitleSection, normal~text},
2372     bg=frametitleSection.fg,
2373     fg=normal~text.fg
2374   }
2375   \setbeamertemplate{progress~bar~in~section~page}[display]
2376   \setbeamertemplate{section~page}[progressbar/simple]
2377   % \usebeamertemplate*{section-page}% activated automatically
2378 }
2379
2380 \defbeamertemplate{subsection~frame}{gotham-progressbar}{
2381   \setbeamertemplate{background~canvas}[subsection/gotham]
2382   \setbeamercolor{frametitle}{
2383     use={frametitleSection, normal~text},
2384     bg=frametitleSection.fg,
2385     fg=normal~text.fg
2386   }
2387   \setbeamertemplate{progress~bar~in~section~page}[display]
2388   \setbeamertemplate{subsection~page}[progressbar/simple]
2389   % \usebeamertemplate*{subsection-page}% activated automatically

```

```

2390 }
2391
2392 \defbeamertemplate{subsubsection~frame}{gotham~progressbar}{
2393 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2394 \setbeamercolor{frametitle}{
2395 use={frametitleSection, normal~text},
2396 bg=frametitleSection.fg,
2397 fg=normal~text.fg
2398 }
2399 \setbeamertemplate{progress~bar~in~section~page}[display]
2400 \setbeamertemplate{subsubsection~page}[progressbar/simple]
2401 % \usebeamertemplate*{subsubsection~page}% activated automatically
2402 }

```

(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*.

```

2403 \defbeamertemplate{progress~bar~in~splitvert}{empty}{
2404 \vspace{-0.5ex}
2405 }
2406
2407 \defbeamertemplate*{progress~bar~in~splitvert}{display}{
2408 % \nointerlineskip
2409 \setlength{\gotham@progressonsectionpage}{
2410 \paperwidth * \ratio{\insertframenumbers pt}{\inserttotalframenumbers pt}
2411 }
2412 \begin{tikzpicture}
2413 \fill[bg] (0,0) rectangle (\paperwidth, \gothamProgressSectionHeight);
2414 \fill[fg] (0,0) rectangle (\gotham@progressonsectionpage, \gothamProgressSectionHeight);
2415 \end{tikzpicture}
2416 }

```

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

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

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

```

2417 % Part page splitvert.
2418 \defbeamertemplate{part-page}{gotham-splitvert-progressbar/simple}{
2419 % \frametitle{part!}
2420 % \IfEmpty{\insertframetitle}{
2421 \ifx\beamer@frametitle\@empty
2422 \vspace*{-0.05\paperheight}
2423 \else %}{
2424 \vspace*{-0.165\paperheight}
2425 \fi %}
2426 {
2427 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2428 \begin{tikzpicture}[overlay, remember=picture]
2429 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2430 \end{tikzpicture}
2431 }
2432
2433 % \hspace*{\sectionoffset}
2434 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2435 \centering
2436 \usebeamertemplate*{part~title}
2437 \end{minipage}
2438 \l[-0.1\baselineskip]
2439 \hspace*{-1.0cm}\noindent
2440 \usebeamertemplate*{progress~bar~in~splitvert}
2441
2442 \newline
2443 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2444 % \vspace{0.5\baselineskip}
2445 % \usebeamerfont{subsection-ttitle}
2446 % \usebeamercolor[bg]{frametitle}
2447 % empty
2448 \end{minipage}
2449 }
2450 \defbeamertemplate{part-frame}{gotham-splitvert-progressbar}{
2451 \setbeamertemplate{background~canvas}[part/gotham]
2452 % \setbeamercolor{frametitle}{}
2453 % \setlength{\sectionoffset}{1cm}
2454 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}
2455 \setbeamertemplate{progress~bar~in~splitvert}[display]
2456 \setbeamertemplate{part-page}[gotham-splitvert-progressbar/simple]
2457 % \usebeamertemplate*{part~page}% activated automatically
2458 }
2459 \defbeamertemplate{part-frame}{gotham-splitvert-simple}{

```

```

2460 \setbeamertemplate{background~canvas}[part/gotham]
2461 % \setbeamercolor{frametitle}{}
2462 % \setlength{\sectionoffset}{1cm}
2463 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}
2464 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2465 \setbeamertemplate{part~page}[gotham-splitvert-progressbar/simple]
2466 % \usebeamertemplate*{part~page}% activated automatically
2467 }
2468
2469 % Section page splitvert.
2470 \defbeamertemplate{section~page}{gotham-splitvert-progressbar/simple}{
2471 % \frametitle{section!}
2472 % \IfEmpty{\insertframetitle}{
2473 \ifx\beamer@frametitle\@empty
2474 \vspace*{-0.05\paperheight}
2475 \else %}{
2476 \vspace*{-0.165\paperheight}
2477 \fi %}
2478 {
2479 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2480 \begin{tikzpicture}[overlay, remember=picture]
2481 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2482 \end{tikzpicture}
2483 }
2484
2485 \hspace*{\sectionoffset}
2486 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2487 \usebeamertemplate*{section~title}
2488 \end{minipage}
2489 \[-0.1\baselineskip]
2490 \hspace*{-1.0cm}\noindent
2491 \usebeamertemplate*{progress~bar~in~splitvert}
2492
2493 \newline
2494 \hspace*{\sectionoffset}
2495 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2496 % \vspace{0.5\baselineskip}
2497 \usebeamerfont{subsection~title}
2498 \usebeamercolor[bg]{frametitle}
2499 % empty
2500 \end{minipage}
2501 }
2502 \defbeamertemplate{section~frame}{gotham-splitvert-progressbar}{

```

```

2503 \setbeamertemplate{background~canvas}[section/gotham]
2504 % \setbeamercolor{frametitle}{}
2505 \setlength{\sectionoffset}{1cm}
2506 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2507 \setbeamertemplate{progress~bar~in~splitvert}[display]
2508 \setbeamertemplate{section~page}[gotham~splitvert~progressbar/simple]
2509 % \usebeamertemplate*{section~page}% activated automatically
2510 }
2511 \defbeamertemplate{section~frame}{gotham~splitvert~simple}{
2512 \setbeamertemplate{background~canvas}[section/gotham]
2513 % \setbeamercolor{frametitle}{}
2514 \setlength{\sectionoffset}{1cm}
2515 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2516 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2517 \setbeamertemplate{section~page}[gotham~splitvert~progressbar/simple]
2518 % \usebeamertemplate*{section~page}% activated automatically
2519 }
2520
2521 % Subsection page splitvert.
2522 \defbeamertemplate{subsection~page}{gotham~splitvert~progressbar/simple}{
2523 % \frametitle{subsection!}
2524 % \IfEmpty{\insertframetitle}{
2525 \ifx\beamer@frametitle\@empty
2526 \vspace*{-0.05\paperheight}
2527 \else %}{
2528 \vspace*{-0.165\paperheight}
2529 \fi %}
2530 {
2531 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2532 \begin{tikzpicture}[overlay, remember~picture]
2533 \fill[color=gotham@tempColor] (current~page.north~west) rectangle ([shift = {(0, -0.45\p
2534 \end{tikzpicture}
2535 }
2536
2537 \hspace*{\sectionoffset}
2538 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2539 \usebeamertemplate*{section~title}
2540 \end{minipage}
2541 \[-0.1\baselineskip]
2542 \hspace*{-1.0cm}\noindent
2543 \usebeamertemplate*{progress~bar~in~splitvert}
2544
2545 \newline

```

```

2546 \hspace*{\sectionoffset}
2547 \begin{minipage}[t][0.5\paperheight]{\textwidth}
2548 % \vspace{0.5\baselineskip}
2549 \usebeamerfont{subsection~title}
2550 \usebeamercolor[bg]{frametitle}
2551 \usebeamertemplate*{subsection~title}
2552 % \par
2553 % \vspace{1em}%phantom subsection
2554 \end{minipage}
2555 }
2556 \defbeamertemplate{subsection~frame}{gotham~splitvert~progressbar}{
2557 \setbeamertemplate{background~canvas}[subsection/gotham]
2558 % \setbeamercolor{frametitle}{}
2559 \setlength{\sectionoffset}{1cm}
2560 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2561 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2562 \setbeamertemplate{progress~bar~in~splitvert}[display]
2563 \setbeamertemplate{subsection~page}[gotham~splitvert~progressbar/simple]
2564 % \usebeamertemplate*{subsection~page}% activated automatically
2565 }
2566 \defbeamertemplate{subsection~frame}{gotham~splitvert~simple}{
2567 \setbeamertemplate{background~canvas}[subsection/gotham]
2568 % \setbeamercolor{frametitle}{}
2569 \setlength{\sectionoffset}{1cm}
2570 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2571 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2572 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2573 \setbeamertemplate{subsection~page}[gotham~splitvert~progressbar/simple]
2574 % \usebeamertemplate*{subsection~page}% activated automatically
2575 }
2576
2577 % Subsubsection page splitvert.
2578 \defbeamertemplate{subsubsection~page}{gotham~splitvert~progressbar/simple}{
2579 % \frametitle{subsubsection!}
2580 % \IfEmpty{\insertframetitle}{
2581 \ifx\beamer@frametitle\@empty
2582 \vspace*{-0.05\paperheight}
2583 \else %}{
2584 \vspace*{-0.165\paperheight}
2585 \fi %}
2586 {
2587 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2588 \begin{tikzpicture}[overlay, remember~picture]

```

```

2589   \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2590   \end{tikzpicture}
2591   }
2592
2593   \hspace*{\sectionhoffset}
2594   \begin{minipage}[b][0.45\paperheight]{\textwidth}
2595     \usebeamertemplate*{section~title}
2596   \end{minipage}
2597   \ll[-0.1\baselineskip]
2598   \hspace*{-1.0cm}\noindent
2599   \usebeamertemplate*{progress-bar-in-splitvert}
2600
2601   \newline
2602   \hspace*{\sectionhoffset}
2603   \begin{minipage}[t][0.5\paperheight]{\textwidth}
2604     % \vspace{0.5\baselineskip}
2605     \usebeamerfont{subsubsection~title}
2606     \usebeamercolor[bg]{frametitle}
2607     \usebeamertemplate*{subsection~title}
2608     \par
2609     \usebeamertemplate*{subsubsection~title}
2610   \end{minipage}
2611   }
2612   \defbeamertemplate{subsubsection~frame}{gotham-splitvert-progressbar}{
2613     \setbeamertemplate{background~canvas}[subsubsection/gotham]
2614     % \setbeamercolor{frametitle}{}
2615     \setlength{\sectionhoffset}{1cm}
2616     \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2617     \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2618     \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2619     \setbeamertemplate{progress-bar-in-splitvert}[display]
2620     \setbeamertemplate{subsubsection~page}[gotham-splitvert-progressbar/simple]
2621     % \usebeamertemplate*{subsubsection~page}% activated automatically
2622   }
2623   \defbeamertemplate{subsubsection~frame}{gotham-splitvert-simple}{
2624     \setbeamertemplate{background~canvas}[subsubsection/gotham]
2625     % \setbeamercolor{frametitle}{}
2626     \setlength{\sectionhoffset}{1cm}
2627     \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2628     \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2629     \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2630     \setbeamertemplate{progress-bar-in-splitvert}[empty]
2631     \setbeamertemplate{subsubsection~page}[gotham-splitvert-progressbar/simple]

```



```

2632   % \usebeamertemplate*{subsubsection-page}% activated automatically
2633 }

```

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

n|subsubsection_frame}{gotham_progressvert}

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

```

2634
2635 % Part page progressvert.
2636 \defbeamertemplate{part-page}{gotham-progressvert}{
2637   % \frametitle{part!}
2638   % \IfEmpty{\insertframetitle}{
2639     \ifx\beamer@frametitle\@empty
2640       \vspace*{-0.05\paperheight}
2641     \else %}{
2642       \vspace*{-0.165\paperheight}
2643     \fi %}
2644     \setlength{\gotham@progressonsectionpage}{
2645       \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2646     }
2647     {
2648       \usebeamerfont{frametitle}\colorlet{gotham@@tempColor}{bg}
2649       \colorlet{gotham@@tempColorB}{fg}
2650       \begin{tikzpicture}[overlay, remember=picture]
2651         \fill[color=gotham@@tempColor]
2652           ([shift={(0,0)}] current-page.north-west) --
2653           ([shift={(0,-\gotham@progressonsectionpage)}] current-page.north-west) --
2654           ([shift={(0,-\gotham@progressonsectionpage)}] current-page.north-east) --
2655           ([shift={(0,0)}] current-page.north-east)
2656         --cycle;
2657         \node[color=gotham@@tempColorB, align=left, text-width=0.8\textwidth] at ([shift={(\secti
2658           {\usebeamerfont{part-title}
2659           \partname \ \insertromanpartnumber
2660           \[1.75ex]
2661           \insertpart
2662           }
2663         };
2664
2665       \clip
2666         ([shift={(0,0)}] current-page.south-west) --

```

```

2667 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-west) --
2668 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-east) --
2669 ([shift={(0,0)}] current~page.south-east)
2670 --cycle;
2671
2672 \fill[color=gotham@@tempColorB]
2673 ([shift={(0,0)}]current~page.south-west) --
2674 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-west) --
2675 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-east) --
2676 ([shift={(0,0)}] current~page.south-east)
2677 --cycle;
2678 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section)}]
2679 {\usebeamerfont{part~title}
2680 \partname \ \insertromanpartnumber
2681 \\
2682 \insertpart
2683 }
2684 };
2685 \end{tikzpicture}
2686 }
2687 }
2688 \defbeamertemplate{part~frame}{gotham~progressvert}{
2689 \setbeamertemplate{background~canvas}[part/gotham]
2690 % \setbeamercolor{frametitle}{}
2691 \setlength{\sectionoffset}{1cm}
2692 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2693 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2694 % \setbeamercolor{part~title}{use=frametitle, fg=frametitle.bg}
2695 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2696 \setbeamertemplate{part~page}[gotham~progressvert]
2697 % \usebeamertemplate*{section~page}% activated automatically
2698 }
2699
2700 % Section page progressvert.
2701 \defbeamertemplate{section~page}{gotham~progressvert}{
2702 % \frametitle{section!}
2703 % \IfEmpty{\insertframetitle}{
2704 \ifx\beamer@frametitle\@empty
2705 \vspace*{-0.05\paperheight}
2706 \else %}{
2707 \vspace*{-0.165\paperheight}
2708 \fi %}
2709 \setlength{\gotham@progressonsectionpage}{

```

```

2710 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2711 }
2712 {
2713 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2714 \colorlet{gotham@@tempColorB}{fg}
2715 \begin{tikzpicture}[overlay, remember~picture]
2716 \fill[color=gotham@@tempColor]
2717 ([shift={(0,0)}] current~page.north~west) --
2718 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2719 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2720 ([shift={(0,0)}] current~page.north~east)
2721 --cycle;
2722 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\section
2723 {\usebeamerfont{section~title}
2724 \insertsectionnumber.~
2725 \insertsectionhead}
2726 });
2727
2728 \clip
2729 ([shift={(0,0)}] current~page.south~west) --
2730 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2731 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2732 ([shift={(0,0)}] current~page.south~east)
2733 --cycle;
2734
2735 \fill[color=gotham@@tempColorB]
2736 ([shift={(0,0)}] current~page.south~west) --
2737 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2738 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2739 ([shift={(0,0)}] current~page.south~east)
2740 --cycle;
2741 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2742 {\usebeamerfont{section~title}
2743 \insertsectionnumber.~
2744 \insertsectionhead}
2745 });
2746 \end{tikzpicture}
2747 }
2748 }
2749 \defbeamertemplate{section~frame}{gotham~progressvert}{
2750 \setbeamertemplate{background~canvas}[section/gotham]
2751 % \setbeamercolor{frametitle}{}
2752 \setlength{\sectionoffset}{1cm}

```

```

2753 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2754 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2755 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2756 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2757 \setbeamertemplate{section~page}[gotham~progressvert]
2758 % \usebeamertemplate*{section~page}% activated automatically
2759 }
2760
2761 % Subection page progressvert.
2762 \defbeamertemplate{subsection~page}[gotham~progressvert]{
2763 % \frametitle{subsection!}
2764 % \IfEmpty{\insertframetitle}{
2765 \ifx\beamer@frametitle\@empty
2766 \vspace*{-0.05\paperheight}
2767 \else %}{
2768 \vspace*{-0.165\paperheight}
2769 \fi %}
2770 \setlength{\gotham@progressonsectionpage}{
2771 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2772 }
2773 {
2774 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2775 \colorlet{gotham@@tempColorB}{fg}
2776 \begin{tikzpicture}[overlay, remember~picture]
2777 \fill[color=gotham@@tempColor]
2778 ([shift={(0,0)}] current~page.north~west) --
2779 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2780 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2781 ([shift={(0,0)}] current~page.north~east)
2782 --cycle;
2783 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\secti
2784 {\usebeamerfont{section~title}
2785 \insertsectionnumber.~
2786 \insertsectionhead}
2787 \\
2788 {\usebeamerfont{subsection~title}
2789 \insertsectionnumber.\insertsubsectionnumber.~
2790 \insertsubsectionhead}
2791 };
2792
2793 \clip
2794 ([shift={(0,0)}] current~page.south~west) --
2795 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --

```

```

2796 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2797 ([shift={(0,0)}] current~page.south~east)
2798 --cycle;
2799
2800 \fill[color=gotham@@tempColorB]
2801 ([shift={(0,0)}]current~page.south~west) --
2802 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2803 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2804 ([shift={(0,0)}] current~page.south~east)
2805 --cycle;
2806 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2807 {usebeamerfont{section~title}
2808 \insertsectionnumber.~
2809 \insertsectionhead}
2810 \\
2811 {usebeamerfont{subsection~title}
2812 \insertsectionnumber.\insertsubsectionnumber.~
2813 \insertsubsectionhead}
2814 });
2815 \end{tikzpicture}
2816 }
2817 }
2818 \defbeamertemplate{subsection~frame}{gotham~progressvert}{
2819 \setbeamertemplate{background~canvas}[subsection/gotham]
2820 % \setbeamercolor{frametitle}{}
2821 \setlength{\sectionhoffset}{1cm}
2822 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2823 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2824 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2825 % \setbeamerfont{progress~bar~in~splitvert}[display]
2826 \setbeamerfont{subsection~page}[gotham~progressvert]
2827 % \usebeamerfont*{subsection~page}% activated automatically
2828 }
2829
2830 % Subsubsection page progressvert.
2831 \defbeamerfont{subsubsection~page}{gotham~progressvert}{
2832 % \frametitle{subsubsection!}
2833 % \IfEmpty{\insertframetitle}{
2834 \ifx\beamer@frametitle\@empty
2835 \vspace*{-0.05\paperheight}
2836 \else %}{
2837 \vspace*{-0.165\paperheight}
2838 \fi %}

```

```

2839 \setlength{\gotham@progressonsectionpage}{
2840 \paperheight * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
2841 }
2842 {
2843 \usebeamerfont{frametitle}\colorlet{gotham@@tempColor}{bg}
2844 \colorlet{gotham@@tempColorB}{fg}
2845 \begin{tikzpicture}[overlay, remember~picture]
2846 \fill[color=gotham@@tempColor]
2847 ([shift={(0,0)}] current~page.north~west) --
2848 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2849 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2850 ([shift={(0,0)}] current~page.north~east)
2851 --cycle;
2852 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\section
2853 {\usebeamerfont{section~title}
2854 \insertsectionnumber.~
2855 \insertsectionhead}
2856 \\
2857 {\usebeamerfont{subsection~title}
2858 \insertsectionnumber.\insertsubsectionnumber.~
2859 \insertsubsectionhead}
2860 \\
2861 {\usebeamerfont{subsubsection~title}
2862 \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2863 \insertsubsubsectionhead}
2864 }];
2865
2866 \clip
2867 ([shift={(0,0)}] current~page.south~west) --
2868 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2869 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2870 ([shift={(0,0)}] current~page.south~east)
2871 --cycle;
2872
2873 \fill[color=gotham@@tempColorB]
2874 ([shift={(0,0)}] current~page.south~west) --
2875 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2876 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2877 ([shift={(0,0)}] current~page.south~east)
2878 --cycle;
2879 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2880 {\usebeamerfont{section~title}
2881 \insertsectionnumber.~

```

```

2882   \insertsectionhead}
2883   \\\
2884   {\usebeamerfont{subsection~title}
2885   \insertsectionnumber.\insertsubsectionnumber.~
2886   \insertsubsectionhead}
2887   \\\
2888   {\usebeamerfont{subsubsection~title}
2889   \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2890   \insertsubsubsectionhead}
2891   };
2892   \end{tikzpicture}
2893 }
2894 }
2895 \defbeamertemplate{subsubsection~frame}{gotham~progressvert}{
2896   \setbeamertemplate{background~canvas}[subsubsection/gotham]
2897   % \setbeamercolor{frametitle}{}
2898   \setlength{\sectionoffset}{1cm}
2899   % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2900   % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2901   % \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2902   % \setbeamertemplate{progress~bar~in~splitvert}[display]
2903   \setbeamertemplate{subsubsection~page}[gotham~progressvert]
2904   % \usebeamertemplate*{subsubsection~page}% activated automatically
2905 }

```

(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_in_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.

```

2906 \keys_define:nn { gotham / inner }{
2907   % partframe template
2908   partframe~template .usage:n = { general },
2909   partframe~template .default:n = { gotham~progressbar },
2910   partframe~template .code:n = { \__gotham_set_template:nn{part~frame}{#1} }
2911 }
2912 \keys_define:nn { gotham / inner }
2913 {
2914   % partframe default
2915   partframe~default .choice:,
2916   partframe~default .usage:n = { general },

```

```

2917 partframe~default .default:n = { true },
2918
2919 partframe~default / true .code:n = { \__gotham_inner_enable_partpage: },
2920 partframe~default / on .code:n = { \__gotham_inner_enable_partpage: },
2921 partframe~default / enable .code:n = { \__gotham_inner_enable_partpage: },
2922
2923 partframe~default / false .code:n = { \__gotham_inner_disable_partpage: },
2924 partframe~default / off .code:n = { \__gotham_inner_disable_partpage: },
2925 partframe~default / disable .code:n = { \__gotham_inner_disable_partpage: },
2926
2927 partframe~default / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'#1'~is-unkn
2928 }
2929
2930 \keys_define:nn { gotham / inner }{
2931 % sectionframe template
2932 sectionframe~template .usage:n = { general },
2933 sectionframe~template .default:n = { gotham~progressbar },
2934 sectionframe~template .code:n = { \__gotham_set_template:nn{section~frame}{#1} }
2935 }
2936 \keys_define:nn { gotham / inner }
2937 {
2938 % sectionframe default
2939 sectionframe~default .choice:,
2940 sectionframe~default .usage:n = { general },
2941 sectionframe~default .default:n = { true },
2942
2943 sectionframe~default / true .code:n = { \__gotham_inner_enable_sectionpage: },
2944 sectionframe~default / on .code:n = { \__gotham_inner_enable_sectionpage: },
2945 sectionframe~default / enable .code:n = { \__gotham_inner_enable_sectionpage: },
2946
2947 sectionframe~default / false .code:n = { \__gotham_inner_disable_sectionpage: },
2948 sectionframe~default / off .code:n = { \__gotham_inner_disable_sectionpage: },
2949 sectionframe~default / disable .code:n = { \__gotham_inner_disable_sectionpage: },
2950
2951 sectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'#1'~is-u
2952 }
2953
2954 \keys_define:nn { gotham / inner }{
2955 % subsectionframe template
2956 subsectionframe~template .usage:n = { general },
2957 subsectionframe~template .default:n = { gotham~progressbar },
2958 subsectionframe~template .code:n = { \__gotham_set_template:nn{subsection~frame}{#1} }
2959 }

```



```

2960 \keys_define:nn { gotham / inner }
2961 {
2962 % subsectionframe default
2963 subsectionframe~default .choice:,
2964 subsectionframe~default .usage:n = { general },
2965 subsectionframe~default .default:n = { true },
2966
2967 subsectionframe~default / true .code:n = { \__gotham_inner_enable_subsectionpage: },
2968 subsectionframe~default / on .code:n = { \__gotham_inner_enable_subsectionpage: },
2969 subsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsectionpage: },
2970
2971 subsectionframe~default / false .code:n = { \__gotham_inner_disable_subsectionpage: },
2972 subsectionframe~default / off .code:n = { \__gotham_inner_disable_subsectionpage: },
2973 subsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsectionpage: },
2974
2975 subsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~i
2976 }
2977
2978 \keys_define:nn { gotham / inner }{
2979 % subsubsectionframe template
2980 subsubsectionframe~template .usage:n = { general },
2981 subsubsectionframe~template .default:n = { gotham~progressbar },
2982 subsubsectionframe~template .code:n = { \__gotham_set_template:nn{subsubsection~frame}{#1}
2983 }
2984 \keys_define:nn { gotham / inner }
2985 {
2986 % subsubsectionframe default
2987 subsubsectionframe~default .choice:,
2988 subsubsectionframe~default .usage:n = { general },
2989 subsubsectionframe~default .default:n = { true },
2990
2991 subsubsectionframe~default / true .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2992 subsubsectionframe~default / on .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2993 subsubsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsubsectionpage: }
2994
2995 subsubsectionframe~default / false .code:n = { \__gotham_inner_disable_subsubsectionpage: },
2996 subsubsectionframe~default / off .code:n = { \__gotham_inner_disable_subsubsectionpage: },
2997 subsubsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsubsectionpage: }
2998
2999 subsubsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~i
3000 }

```

(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.

```
3001 \tikzset{section~number/.style={
3002   circle,
3003   fill=colorAlert,
3004   minimum~size=0.4em,
3005   text=colorAlert!10,
3006   inner~sep=1.5pt,
3007 },
3008 section/.style={
3009   draw=none,
3010   rectangle,
3011   minimum~height=1em,
3012   minimum~width=0.8\textwidth,
3013   text~width=0.8\textwidth,
3014   text=fg,
3015   align=left
3016 },
3017 subsection~number/.style={
3018   circle,
3019   fill=colorBackElement!50,
3020   inner~sep=0pt,
3021   minimum~size=0.15cm,
3022 },
3023 subsection/.style={
3024   draw=none,
3025   rectangle,
3026   minimum~height=1em,
3027   minimum~width=0.8\textwidth,
3028   text~width=0.8\textwidth,
3029   text=fg!80,
3030   align=left
3031 },
3032 subsubsection~number/.style={
3033   circle,
3034   fill=colorBackElement!50,
3035   inner~sep=0pt,
3036   minimum~size=0.06cm,
3037 },
```

```

3038 subsection/.style={
3039   draw=none,
3040   rectangle,
3041   minimum-height=1em,
3042   minimum-width=0.8\textwidth,
3043   text~width=0.8\textwidth,
3044   text=fg!80,
3045   align=left
3046 },
3047 }

```

(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, gotham-test-057.

```

3048 \defbeamertemplate{section~in~toc}{gotham~bullet}{
3049   \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section-number]{\textbf{\inserttocsectionnumber}
3050   \ \tikz[baseline=-0.5ex]\node[section]{\usebeamerfont*{toc~title}\inserttocsection};\ll[-0.3
3051   \hspace*{1.13cm}{\usebeamerfont*{fg}{footer} \rule{0.6\paperwidth}{0.2pt}{\par\vskip-0.35
3052   }
3053 }
3054 \defbeamertemplate{subsection~in~toc}{gotham~bullet}{
3055   \leavevmode
3056   \hspace*{0.53cm}\tikz[baseline=-0.5ex]\node[subsection-number]{};
3057   \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[subsection]{\usebeamerfont*{toc~subtitle}\insert
3058   % \ll[-0.2cm]
3059   \par \vspace{-0.38cm}
3060 }
3061 \defbeamertemplate{subsubsection~in~toc}{gotham~bullet}{
3062   \leavevmode
3063   \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection-number]{};
3064   \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection]{\usebeamerfont*{toc~subtitle}\in
3065   % \ll[-0.2cm]
3066   \par \vspace{-0.38cm}
3067 }
3068 % Shaded for sections already done in the presentation.
3069 \defbeamertemplate{section~in~toc~shaded}{gotham~bullet}{
3070   \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section-number, fill=colorBackElement!40]{\usebe
3071   \ \tikz[baseline=-0.5ex]\node[section, text=colorBackElement!20]{\usebeamerfont*{toc~title}
3072   \hspace*{1.13cm}{\usebeamerfont*{fg}{footer} \rule{0.6\paperwidth}{0.2pt}{\par\vskip-0.35
3073 }
3074 \defbeamertemplate{subsection~in~toc~shaded}{gotham~bullet}{

```

```

3074 \leavevmode
3075 \hspace*{0.53cm}\tikz[baseline=-0.5ex]\node[subsection~number,fill=colorBackElement!20]{};
3076 \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[subsection, text=colorBackElement!20]{\usebeamer
3077 % \ [-0.2cm]
3078 \par \vspace{-0.38cm}
3079 }
3080 \defbeamertemplate{subsubsection~in~toc~shaded}{gotham~bullet}{
3081 \leavevmode
3082 \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection~number,fill=colorBackElement!20]{
3083 \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection,text=colorBackElement!20]{\usebea
3084 % \ [-0.2cm]
3085 \par \vspace{-0.38cm}
3086 }

```

(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*.

```

3087 \defbeamertemplate{part~in~toc}{gotham~simple}{
3088 \leavevmode
3089 {\inserttocpartnumber}.~\inserttocpart
3090 % \
3091 \par \vspace{-0.2cm}
3092 }
3093 \defbeamertemplate{section~in~toc}{gotham~simple}{
3094 {\inserttocsectionnumber}.~\inserttocsection
3095 % \
3096 \par \vspace{-0.2cm}
3097 }
3098 \defbeamertemplate{subsection~in~toc}{gotham~simple}{
3099 \leavevmode
3100 \quad{\inserttocsectionnumber}.\inserttocsubsectionnumber.~\inserttocsubsection
3101 % \
3102 \par \vspace{-0.2cm}
3103 }
3104 \defbeamertemplate{subsubsection~in~toc}{gotham~simple}{
3105 \leavevmode
3106 \quad{\inserttocsectionnumber}.\inserttocsubsectionnumber.\inserttocsubsubsectionnumber.}
3107 % \
3108 \par \vspace{-0.2cm}
3109 }

```

```

3110 \defbeamertemplate{section~in~toc~shaded}{gotham~simple}{
3111 \leavevmode
3112 \begin{colormixin}{20!parent.bg}
3113   {\inserttocsectionnumber}.~\inserttocsection
3114 \end{colormixin}
3115 % \
3116 \par \vspace{-0.2cm}
3117 }
3118 \defbeamertemplate{subsection~in~toc~shaded}{gotham~simple}{
3119 \leavevmode
3120 \begin{colormixin}{20!parent.bg}
3121   \quad{\inserttocsectionnumber}.\inserttocsubsectionnumber.~\inserttocsubsection
3122 \end{colormixin}
3123 % \
3124 \par \vspace{-0.2cm}
3125 }
3126 \defbeamertemplate{subsubsection~in~toc~shaded}{gotham~simple}{
3127 \leavevmode
3128 \begin{colormixin}{20!parent.bg}
3129   \qqquad{\inserttocsectionnumber}.\inserttocsubsectionnumber.\inserttocsubsubsectionnumber.
3130 \end{colormixin}
3131 % \
3132 \par \vspace{-0.2cm}
3133 }

```

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

`\defbeamertemplate{background~canvas}{toc/gotham~simple}` Definition of toc page style named gotham simple and gotham bullet, used for table of
`\defbeamertemplate{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*.

```

3134 \defbeamertemplate{background~canvas}{toc/gotham~simple}{
3135 \ifbeamercolorempy[bg]{standin}{}{
3136 \color{bg}\vrule width\paperwidth height\paperheight
3137 }
3138 }
3139 \defbeamertemplate{toc~page}{gotham~simple}{
3140 \setbeamertemplate{part~in~toc}[gotham~simple]
3141 \setbeamertemplate{section~in~toc}[gotham~simple]
3142 \setbeamertemplate{section~in~toc~shaded}[gotham~simple]
3143 \setbeamertemplate{subsection~in~toc}[gotham~simple]
3144 \setbeamertemplate{subsection~in~toc~shaded}[gotham~simple]
3145 \setbeamertemplate{subsubsection~in~toc}[gotham~simple]

```

```

3146 \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-simple]
3147 \setbeamertemplate{background-canvas}[toc/gotham-simple]
3148 }
3149 \defbeamertemplate{toc-page}{gotham-bullet}{
3150 \setbeamertemplate{part-in-toc}[gotham-bullet]
3151 \setbeamertemplate{section-in-toc}[gotham-bullet]
3152 \setbeamertemplate{section-in-toc-shaded}[gotham-bullet]
3153 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
3154 \setbeamertemplate{subsection-in-toc-shaded}[gotham-bullet]
3155 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
3156 \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-bullet]
3157 \setbeamertemplate{background-canvas}[toc/gotham-simple]
3158 }

```

(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`.

```

3159 \newenvironment{tocenv}{
3160 \usebeamertemplate{toc-page}
3161 }{}
3162 \_gotham_add_beamerframe_key:n {toc}

```

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

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

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

```

3163 \defbeamertemplate{background-canvas}{toc-part-gotham}{
3164 \ifbeamercolorempty[bg]{normal-text}{\color{bg}\vrule width\paperwidth height\paperheight}
3165 }
3166 \defbeamertemplate{background-canvas}{toc-section-gotham}{
3167 \ifbeamercolorempty[bg]{normal-text}{\color{bg}\vrule width\paperwidth height\paperheight}
3168 }
3169 \defbeamertemplate{background-canvas}{toc-subsection-gotham}{
3170 \ifbeamercolorempty[bg]{normal-text}{\color{bg}\vrule width\paperwidth height\paperheight}
3171 }

```

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

`\amertemplate{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.

```
3172 \defbeamertemplate{toc-part-frame}{gotham-simple}{
3173 \setbeamertemplate{part-in-toc}[gotham-simple]
3174 \setbeamertemplate{section-in-toc}[gotham-simple]
3175 \setbeamertemplate{section-in-toc-shaded}[gotham-simple]
3176 \setbeamertemplate{subsection-in-toc}[gotham-simple]
3177 \setbeamertemplate{subsection-in-toc-shaded}[gotham-simple]
3178 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
3179 \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-simple]
3180 \setbeamertemplate{background-canvas}[toc-part-gotham]
3181 \setbeamertemplate{frametitle}[toc-gotham]
3182 % \usebeamertemplate*{part-page}% already included
3183 }
3184 \defbeamertemplate{toc-section-frame}{gotham-simple}{
3185 \setbeamertemplate{part-in-toc}[gotham-simple]
3186 \setbeamertemplate{section-in-toc}[gotham-simple]
3187 \setbeamertemplate{section-in-toc-shaded}[gotham-simple]
3188 \setbeamertemplate{subsection-in-toc}[gotham-simple]
3189 \setbeamertemplate{subsection-in-toc-shaded}[gotham-simple]
3190 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
3191 \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-simple]
3192 \setbeamertemplate{background-canvas}[toc-section-gotham]
3193 \setbeamertemplate{frametitle}[toc-gotham]%
3194 % \usebeamertemplate*{section-page}% already included
3195 }
3196 \defbeamertemplate{toc-subsection-frame}{gotham-simple}{
3197 \setbeamertemplate{part-in-toc}[gotham-simple]
3198 \setbeamertemplate{section-in-toc}[gotham-simple]
3199 \setbeamertemplate{section-in-toc-shaded}[gotham-simple]
3200 \setbeamertemplate{subsection-in-toc}[gotham-simple]
3201 \setbeamertemplate{subsection-in-toc-shaded}[gotham-simple]
3202 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
3203 \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-simple]
3204 \setbeamertemplate{background-canvas}[toc-subsection-gotham]
3205 \setbeamertemplate{frametitle}[toc-gotham]
3206 % \usebeamertemplate*{subsection-page}% already included
3207 }
```

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

`\amertemplate{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*.

```
3208 \defbeamertemplate{toc~part~frame}{gotham~bullet}{
3209   \setbeamertemplate{part~in~toc}[gotham~bullet]
3210   \setbeamertemplate{section~in~toc}[gotham~bullet]
3211   \setbeamertemplate{section~in~toc~shaded}[gotham~bullet]
3212   \setbeamertemplate{subsection~in~toc}[gotham~bullet]
3213   \setbeamertemplate{subsection~in~toc~shaded}[gotham~bullet]
3214   \setbeamertemplate{subsubsection~in~toc}[gotham~bullet]
3215   \setbeamertemplate{subsubsection~in~toc~shaded}[gotham~bullet]
3216   \setbeamertemplate{background~canvas}[toc~part~gotham]
3217   \setbeamertemplate{frametitle}[toc~gotham]
3218   % \usebeamertemplate*{part~page}% already included
3219 }
3220 \defbeamertemplate{toc~section~frame}{gotham~bullet}{
3221   \setbeamertemplate{part~in~toc}[gotham~bullet]
3222   \setbeamertemplate{section~in~toc}[gotham~bullet]
3223   \setbeamertemplate{section~in~toc~shaded}[gotham~bullet]
3224   \setbeamertemplate{subsection~in~toc}[gotham~bullet]
3225   \setbeamertemplate{subsection~in~toc~shaded}[gotham~bullet]
3226   \setbeamertemplate{subsubsection~in~toc}[gotham~bullet]
3227   \setbeamertemplate{subsubsection~in~toc~shaded}[gotham~bullet]
3228   \setbeamertemplate{background~canvas}[toc~section~gotham]
3229   \setbeamertemplate{frametitle}[toc~gotham]%
3230   % \usebeamertemplate*{section~page}% already included
3231 }
3232 \defbeamertemplate{toc~subsection~frame}{gotham~bullet}{
3233   \setbeamertemplate{part~in~toc}[gotham~bullet]
3234   \setbeamertemplate{section~in~toc}[gotham~bullet]
3235   \setbeamertemplate{section~in~toc~shaded}[gotham~bullet]
3236   \setbeamertemplate{subsection~in~toc}[gotham~bullet]
3237   \setbeamertemplate{subsection~in~toc~shaded}[gotham~bullet]
3238   \setbeamertemplate{subsubsection~in~toc}[gotham~bullet]
3239   \setbeamertemplate{subsubsection~in~toc~shaded}[gotham~bullet]
3240   \setbeamertemplate{background~canvas}[toc~subsection~gotham]
3241   \setbeamertemplate{frametitle}[toc~gotham]
3242   % \usebeamertemplate*{subsection~page}% already included
3243 }
```

(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.

```
3244 \bool_new:N \l_gotham_tocpartframe
3245 \bool_set_false:N \l_gotham_tocpartframe
3246 \define@key{beamerframe}{tocpart}[true]{
3247   \bool_set_true:N \l_gotham_tocpartframe
3248   \begingroup
3249   \usebeamertemplate{toc-part~frame}
3250 }
3251 \apptocmd{\beamer@reseteecodes}{
3252   \bool_if:NTF \l_gotham_tocpartframe {
3253     \endgroup
3254     \bool_set_false:N \l_gotham_tocpartframe
3255   }{}
3256 }{}{}
3257 % \define@key{beamerframe}{tocpart}[true]{
3258 %   \thispagestyle{navigation@tocpart}
3259 % }
3260 % \def\ps@navigation@tocpart{
3261 %   \usebeamertemplate{toc~part~frame}
3262 %   \@nameuse{ps@navigation}
3263 % }
```

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

`]\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.

```
3264 \bool_new:N \l_gotham_tocsectionframe
3265 \bool_set_false:N \l_gotham_tocsectionframe
3266 \define@key{beamerframe}{tocsec}[true]{
3267   \bool_set_true:N \l_gotham_tocsectionframe
3268   \begingroup
3269   \usebeamertemplate{toc-section~frame}
3270 }
3271 \apptocmd{\beamer@reseteecodes}{
3272   \bool_if:NTF \l_gotham_tocsectionframe {
3273     \endgroup
3274     \bool_set_false:N \l_gotham_tocsectionframe
3275   }{}
}
```

```

3276 }{}{}
3277 % \define@key{beamerframe}{tocsec}[true]{
3278 %   \thispagestyle{navigation@tocsec}
3279 % }
3280 % \def\ps@navigation@tocsec{
3281 %   \usebeamertemplate{toc~section~frame}
3282 %   \@nameuse{ps@navigation}
3283 % }

```

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

`]\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`.

```

3284 \bool_new:N \l_gotham_tocsubsubsectionframe
3285 \bool_set_false:N \l_gotham_tocsubsubsectionframe
3286 \define@key{beamerframe}{tocsubsec}[true]{
3287   \bool_set_true:N \l_gotham_tocsubsubsectionframe
3288   \begingroup
3289   \usebeamertemplate{toc~subsection~frame}
3290 }
3291 \apptocmd{\beamer@reseteecodes}{
3292   \bool_if:NTF \l_gotham_tocsubsubsectionframe {
3293     \endgroup
3294     \bool_set_false:N \l_gotham_tocsubsubsectionframe
3295   }{}
3296 }{}{}
3297 % \define@key{beamerframe}{tocsubsec}[true]{
3298 %   \thispagestyle{navigation@tocsubsec}
3299 % }
3300 % \def\ps@navigation@tocsubsec{
3301 %   \usebeamertemplate{toc~subsection~frame}
3302 %   \@nameuse{ps@navigation}
3303 % }

```

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

`]\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*.

```

3304 \bool_new:N \l_gotham_tocsubsubsectionframe
3305 \bool_set_false:N \l_gotham_tocsubsubsectionframe
3306 \define@key{beamerframe}{tocsubsubsec}[true]{
3307 \bool_set_true:N \l_gotham_tocsubsubsectionframe
3308 \begingroup
3309 \usebeamertemplate{toc~subsubsection~frame}
3310 }
3311 \apptocmd{\beamer@reseteecodes}{
3312 \bool_if:NTF \l_gotham_tocsubsubsectionframe {
3313 \endgroup
3314 \bool_set_false:N \l_gotham_tocsubsubsectionframe
3315 }{}
3316 }{}{}
3317 % \define@key{beamerframe}{tocsubsubsec}[true]{
3318 % \thispagestyle{navigation@tocsubsubsec}
3319 % }
3320 % \def\ps@navigation@tocsubsubsec{
3321 % \usebeamertemplate{toc~subsubsection~frame}
3322 % \@nameuse{ps@navigation}
3323 % }

```

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

`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*.

```

3324 \keys_define:nn { gotham / inner }
3325 {
3326 % TOC style
3327 toctocframe-template .usage:n = { general },
3328 toctocframe-template .default:n = { gotham~bullet },
3329 toctocframe-template .code:n = { \__gotham_set_template:nn{toc~page}{#1} }
3330 }
3331
3332 \keys_define:nn { gotham / inner }{
3333 % parttocframe template
3334 parttocframe-template .usage:n = { general },
3335 parttocframe-template .default:n = { gotham~simple },
3336 parttocframe-template .code:n = { \__gotham_set_template:nn{toc~part~frame}{#1} }
3337 }
3338 \keys_define:nn { gotham / inner }

```

```

3339 {
3340 % parttocframe default
3341 parttocframe~default .choice:,
3342 parttocframe~default .usage:n = { general },
3343 parttocframe~default .default:n = { true },
3344
3345 parttocframe~default / true .code:n = { \booltrue{partContent} },
3346 parttocframe~default / on .code:n = { \booltrue{partContent} },
3347 parttocframe~default / enable .code:n = { \booltrue{partContent} },
3348
3349 parttocframe~default / false .code:n = { \boolfalse{partContent} },
3350 parttocframe~default / off .code:n = { \boolfalse{partContent} },
3351 parttocframe~default / disable .code:n = { \boolfalse{partContent} },
3352
3353 parttocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
3354 }
3355
3356 \keys_define:nn { gotham / inner }{
3357 % sectiontocframe template
3358 sectiontocframe~template .usage:n = { general },
3359 sectiontocframe~template .default:n = { gotham~simple },
3360 sectiontocframe~template .code:n = { \__gotham_set_template:nn{toc~section~frame}{#1} }
3361 }
3362 \keys_define:nn { gotham / inner }
3363 {
3364 % sectiontocframe default
3365 sectiontocframe~default .choice:,
3366 sectiontocframe~default .usage:n = { general },
3367 sectiontocframe~default .default:n = { true },
3368
3369 sectiontocframe~default / true .code:n = { \booltrue{sectionContent} },
3370 sectiontocframe~default / on .code:n = { \booltrue{sectionContent} },
3371 sectiontocframe~default / enable .code:n = { \booltrue{sectionContent} },
3372
3373 sectiontocframe~default / false .code:n = { \boolfalse{sectionContent} },
3374 sectiontocframe~default / off .code:n = { \boolfalse{sectionContent} },
3375 sectiontocframe~default / disable .code:n = { \boolfalse{sectionContent} },
3376
3377 sectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~i
3378 }
3379
3380 \keys_define:nn { gotham / inner }{
3381 % subsectiontocframe template

```

```

3382 subsectiontocframe~template .usage:n = { general },
3383 subsectiontocframe~template .default:n = { gotham~simple },
3384 subsectiontocframe~template .code:n = { \__gotham_set_template:nn{toc~subsection~frame}{#1}
3385 }
3386 \keys_define:nn { gotham / inner }
3387 {
3388 % subsectiontocframe default
3389 subsectiontocframe~default .choice:,
3390 subsectiontocframe~default .usage:n = { general },
3391 subsectiontocframe~default .default:n = { true },
3392
3393 subsectiontocframe~default / true .code:n = { \booltrue{subsectionContent} },
3394 subsectiontocframe~default / on .code:n = { \booltrue{subsectionContent} },
3395 subsectiontocframe~default / enable .code:n = { \booltrue{subsectionContent} },
3396
3397 subsectiontocframe~default / false .code:n = { \boolfalse{subsectionContent} },
3398 subsectiontocframe~default / off .code:n = { \boolfalse{subsectionContent} },
3399 subsectiontocframe~default / disable .code:n = { \boolfalse{subsectionContent} },
3400
3401 subsectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
3402 }

```

(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.

```

3403 \newlength{\gotham@blocksep}
3404 \newlength{\gotham@blockadjust}
3405 \setlength{\gotham@blocksep}{0.75ex}
3406 \setlength{\gotham@blockadjust}{0.25ex}
3407 \providecommand{\gotham@strut}{
3408 \vphantom{ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz (/)}
3409 }

```

(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
3410 \newlength{\gotham@parskip}
3411 \setlength{\gotham@parskip}{0.5em}
3412 \setlength{\parskip}{\gotham@parskip}

```

```
3413 \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*.

```
3414 \providecommand{\gotham@block}[1]{
3415   \par\vskip\medskipamount
3416   \setlength{\parskip}{0pt}
3417
3418   % If a background color is defined for the block title or body, we need to add a little bit
3419   % Ideally, this would be accomplished by setting |colsep=0.75ex|, which is intended to add
3420   % Unfortunately, |colsep| also adds this separation if the background color is inherited, e
3421   % (The technical reason for this boils down to the fact that the |\ifx| directive does not
3422   %
3423   % To achieve the correct spacing for |alertblock|s and |exampleblock|s as well as for norma
3424   %
3425   % If the |block title| background is empty, or the user has explicitly removed the backgroun
3426   \ifbeamercolorempty[bg]{block~title#1}{%
3427     \begin{beamercolorbox}[rightskip=0pt~plus~4em]{block~title#1}
3428   }{
3429     \ifbeamercolorempty[bg]{block~title}{
3430       \begin{beamercolorbox}[rightskip=0pt~plus~4em]{block~title#1}
3431     }
3432     % Otherwise, if the |block title| has a background, we set the padding based on |\gotham@
3433     % However, we have to visually compensate for the |\gotham@strut| added to the block title
3434     %
3435     {
3436       \begin{beamercolorbox}[
3437         sep=\dimexpr\gotham@blocksep-\gotham@blockadjust\relax,
3438         leftskip=\gotham@blockadjust,
3439         rightskip=\dimexpr\gotham@blockadjust~plus~4em\relax,
3440       ]{block~title#1}
3441     }
3442   }
3443   % We can now set the contents of the |block title|.
3444   % The zero-width but positive-height box |\gotham@strut| ensures that the block title box h
3445   %
3446   \usebeamerfont*{block~title#1}
3447   \gotham@strut
```

```

3448 \insertblocktitle
3449 \gotham@strut
3450 \end{beamercolorbox}
3451 % Next, we typeset the |block body|.
3452 % This the code is similar to, but simpler than, the |block title| code since we don't need
3453 \nointerlineskip
3454 \ifbeamercolorempy[bg]{block~body#1}{
3455 \begin{beamercolorbox}[vmode]{block~body#1}
3456 }{
3457 \ifbeamercolorempy[bg]{block~body}{
3458 \begin{beamercolorbox}[vmode]{block~body#1}
3459 }{
3460 \begin{beamercolorbox}[sep=\gotham@blocksep, vmode]{block~body#1}
3461 \vspace{-\gotham@parskip}
3462 }
3463 }
3464 \usebeamerfont{block~body#1}
3465 \setlength{\parskip}{\gotham@parskip}
3466 }
3467 % 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*.

```

3468 % \defbeamertemplate*{block~begin}{gotham}{\gotham@block{}}
3469 % \defbeamertemplate*{block~alerted~begin}{gotham}{\gotham@block{~alerted}}
3470 % \defbeamertemplate*{block~example~begin}{gotham}{\gotham@block{~example}}
3471 % \defbeamertemplate*{block~end}{gotham}{\end{beamercolorbox}\vspace*{0.2ex}}
3472 % \defbeamertemplate*{block~alerted~end}{gotham}{\end{beamercolorbox}\vspace*{0.2ex}}
3473 % \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*.

```

3474 \defbeamertemplate*{itemize~item}{gotham}{%\textbullet}

```

```

3475 \large
3476 \setbeamertemplate{itemize-item}[circle]
3477 \usebeamertemplate{itemize-item}
3478 }
3479 \defbeamertemplate*{itemize-subitem}{gotham}{%$\blacktriangleright$
3480 \scriptsize
3481 \setbeamertemplate{itemize-subitem}[triangle]
3482 \usebeamertemplate{itemize-subitem}
3483 }
3484 \defbeamertemplate*{itemize-subsubitem}{gotham}{%square or -
3485 \Tiny
3486 $\blacksquare$ % \textbf{-}
3487 % \setbeamertemplate{itemize-subsubitem}[square]
3488 % \usebeamertemplate{itemize-subsubitem} % not working because the size of the square is ha
3489 }
3490
3491 %% TRY: enumitem package, enumitem and beamer are incompatible.
3492 % \setitemize[label=\usebeamerfont*{itemize-item}
3493 % \usebeamerfont{fg}{itemize-item}
3494 % \usebeamertemplate{itemize-item}}
3495 %% I tried to redefine everything to make them compatible, but it breaks the [alert] environ
3496

```

(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*.

```

3497 \defbeamertemplate*{caption-label-separator}{gotham}{:~}
3498 \setbeamertemplate{caption}[numbered]
3499 \defbeamertemplate*{footnote}{gotham}{
3500 \parindent~0em\noindent
3501 \raggedright
3502 \usebeamerfont{footnote}\hbox~to~0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par
3503 }

```

(End of definition for `\defbeamertemplate{caption}` and `\defbeamertemplate{footnote}`. These functions are documented on page 35.)

`Default_inner_keys` Apply default key options.

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

```

3504 % when no value is given, default is called.

```



```

3505 \keys_set:nn { gotham / inner } {
3506   title~page,
3507   watermark~template, watermark~default,
3508   standout~template, standin~template,
3509   partframe~template, partframe~default,
3510   sectionframe~template, sectionframe~default,
3511   subsectionframe~template, subsectionframe~default,
3512   subsubsectionframe~template, subsubsectionframe~default,
3513   tocf~template,
3514   parttoctocframe~template, parttoctocframe~default,
3515   sectiontoctocframe~template, sectiontoctocframe~default,
3516   subsectiontoctocframe~template, subsectiontoctocframe~default,
3517   % subsubsectiontoctocframe~template, subsubsectiontoctocframe~default,
3518 }

```

(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.

```

3519 \ProcessKeyOptions[ gotham / inner ]
3520 % \mode<all>

```

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

```

3521 %\endinput
3522 </inner>

```

```

3523 <*outer>
3524 \ProvidesExplPackage{beamerouterthemegotham}{2025-12-25}{1.2.4.a}{gotham outer theme}
3525 \RequirePackage{expl3}
3526 \RequirePackage{xfp}
3527 \RequirePackage{calc}
3528 \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.

```

3529 \@ifundefined{\string\color@colorProgBar}{
3530   \providebool{darkBG} \boolfalse{darkBG}
3531   \providebool{transparentBG} \booltrue{transparentBG}

```

```

3532 \colorlet{colorBG}{white}
3533 \colorlet{colorFG}{black}
3534 \colorlet{colorFrametitle}{purple}
3535 \colorlet{colorStandout}{purple}
3536 \colorlet{colorStandin}{purple}
3537 \colorlet{colorTitlepage}{purple}
3538 \colorlet{colorFiligrane}{gray}
3539 \colorlet{colorBackElement}{gray}
3540 \colorlet{colorProgBar}{orange}
3541 \colorlet{colorAlert}{red}
3542 \colorlet{colorExample}{green}
3543 \setbeamercolor{progress~bar}{
3544   use=alerted~text,
3545   fg=colorProgBar,
3546   bg=alerted~text.fg!50!black!30
3547 }
3548 \setbeamercolor{progress~bar~in~head/foot}{%
3549   use=progress~bar,
3550   parent=progress~bar
3551 }
3552 \setbeamercolor{progress~bar~in~part~page}{
3553   use=progress~bar,
3554   parent=progress~bar
3555 }
3556 \setbeamercolor{progress~bar~in~section~page}{
3557   use=progress~bar,
3558   parent=progress~bar
3559 }
3560 \setbeamercolor{progress~bar~in~splitvert}{
3561   use=progress~bar,
3562   parent=progress~bar
3563 }
3564 \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
3565 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
3566 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
3567 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
3568 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
3569 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
3570 }{
3571 % else the colors are defined: this is fine.
3572 }

```

(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

```
3573 \prop_if_exist:NTF \l__gotham_template_name_prop
3574 {}{
3575 % if not defined than define it.
3576 \prop_new:N \l__gotham_template_name_prop
3577 }
```

(End of definition for \l__gotham_template_name_prop.)

`\l__gotham_tmpa_seq` tmp variables

```
\l__gotham_tmpa_tl
\l__gotham_tmpb_tl
3578 \seq_if_exist:NTF \l__gotham_tmpa_seq
3579 {}{
3580 % sequence
3581 \seq_new:N \l__gotham_tmpa_seq
3582 }
3583 \tl_if_exist:NTF \l__gotham_tmpa_tl
3584 {}{
3585 % token list A
3586 \tl_new:N \l__gotham_tmpa_tl
3587 }
3588 \tl_if_exist:NTF \l__gotham_tmpb_tl
3589 {}{
3590 % token list B
3591 \tl_new:N \l__gotham_tmpb_tl
3592 }
```

(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 \l__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.

```
3593 \cs_if_exist:NTF \__gotham_set_prop_template:nn {}{
3594 % if it doesn't exist, then create it.
3595 \cs_new_protected:Nn \__gotham_set_prop_template:nn
3596 {
3597 % Check if the first argument contains a /
3598 \tl_if_in:nnTF { #1 } { / }
3599 {
3600 % Split the first around the /
3601 \seq_set_split:Nnn \l__gotham_tmpa_seq { / } { #1 }
3602 \tl_set:Nn \l__gotham_tmpa_tl { \seq_item:Nn \l__gotham_tmpa_seq { 1 } }
3603 \tl_set:Nn \l__gotham_tmpb_tl { \seq_item:Nn \l__gotham_tmpa_seq { 2 } }
3604 % Check if template exist
3605 \cs_if_exist:cTF {beamer@ttmpop@\exp_not:V \l__gotham_tmpa_tl @\exp_not:V \l__gotham_tmpb_tl}
3606 % set the value in the map, so it can be called later.
3607 \prop_put:Nnn \l__gotham_template_name_prop {#1} {#2}
3608 % \setbeamertemplate{#1}[#2]
3609 }{
3610 \PackageError{beamerthemegotham}
3611 {The-beamer-template-named~'\l__gotham_tmpa_tl'~with-the-option~'\l__gotham_tmpb_tl/#2'~
3612 {helping-message}
3613 }
3614 }{% false -> error
3615 \PackageError{beamerthemegotham}
3616 {
3617 When-using~'\c_backslash_str\cs_to_str:N \__gotham_set_prop_template'~the-first-argument
3618 As-example:~if~'\c_backslash_str defbeamertemplate{background}{watermark/gotham-draft}'~
3619 }{helping-message}
3620 }
3621 }
3622 }
```

`__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.

```
3623 \seq_if_exist:NTF \l__gotham_frameoption_tmp_seq {}{
3624   % Define the sequence of frameoptions environments to close
3625   \seq_new:N \l__gotham_frameoption_tmp_seq
3626 }
3627
3628 \cs_if_exist:NTF \__gotham_add_beamerframe_key:n {}{
3629   % if it doesn't exist, then create it.
3630
3631   % Define the command to add frameoptions
3632   \cs_new_protected:Nn \__gotham_add_beamerframe_key:n {
3633     \define@key{beamerframe}{#1}[true]{
3634       \begin{#1env}
3635       \seq_put_left:Nn \l__gotham_frameoption_tmp_seq { \end{#1env} }
3636     }
3637   }
3638
3639   % At the end of frames close the opened environments.
3640   \apptocmd{\beamer@reseteecodes}{
3641     % Join elements in the queue without separator then output the result
3642     \seq_use:Nn \l__gotham_frameoption_tmp_seq {}
3643     % clear working queue
3644     \seq_clear:N \l__gotham_frameoption_tmp_seq
3645   }{}{}
3646 }
```

`_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.

```
3647 \cs_if_exist:NTF \_gotham_set_template:nn {}{
3648 % If it doesn't exist, then create it.
3649
3650 % Define the command to set template if it exists.
3651 \cs_new_protected:Nn \_gotham_set_template:nn
3652 {
3653 \cs_if_exist:cTF {beamer@tmpop@#1@#2} {
3654 \setbeamertemplate{#1}[#2]
3655 }{
3656 \PackageError{beamerinnerthemegotham}
3657 {The~beamer~template~named~'#1'~with~the~option~'#2'~does~not~exist}
3658 {helping~message~unknown~setbeamertemplate~option}
3659 }
3660 }
3661 }
```

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.

```
3662 % sidebar lengths
3663 \newlength{\sidebarRightHOffset}
3664 \newlength{\sidebarLeftHOffset}
3665 \setlength{\sidebarRightHOffset}{-2.5ex}
3666 \setlength{\sidebarLeftHOffset}{+0.5ex}
```

(End of definition for `\sidebarRightHOffset` and `\sidebarLeftHOffset`. These variables are documented on page 36.)

`\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.

```
3667 % Command to add filigrane/edging in sidebar
3668 \providecommand{\gothamRightFiligrane}{
3669 % left empty intentionally
3670 % \rotatebox{90}{gotham right filigrane pattern}
3671 }
3672 \providecommand{\gothamLeftFiligrane}{
3673 % left empty intentionally
3674 % \rotatebox{-90}{\hspace*{5em} gotham left filigrane pattern}
3675 }
```

(End of definition for \gothamRightFiligrane and \gothamLeftFiligrane. These functions are documented on page 36.)

`\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.

```
3676 \defbeamertemplate{sidebar~right}{default/beamer}{
3677 \vfill
3678 \llap{\insertlogo\hskip0.1cm}
3679 \vskip2pt
3680 \llap{\usebeamertemplate***{navigation~symbols}\hskip0.1cm}
3681 \vskip2pt
3682 }
3683 \defbeamertemplate{sidebar~right}{default/empty}{}
3684 \defbeamertemplate{sidebar~canvas~right}{default/empty}{}
3685 \defbeamertemplate{sidebar~canvas~right}{default/gotham~filigrane}{
3686 % pull to the left otherwise, the filigrane is outside of the frame.
3687 \hspace*{\sidebarRightHOffset}
3688 \gothamRightFiligrane
3689 }
3690 \defbeamertemplate{sidebar~left}{default/empty}{}
3691 \defbeamertemplate{sidebar~canvas~left}{default/empty}{}
3692 \defbeamertemplate{sidebar~canvas~left}{default/gotham~filigrane}{
3693 \hspace*{\sidebarLeftHOffset}
3694 \gothamLeftFiligrane
3695 }
3696 % Add the template to the prop (dictionary) of background template to use according to the s
3697 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~left/default} {gotham~filigrane}
3698 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~right/default} {gotham~filigrane}
```

```

3699 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~left/default} {empty}
3700 \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*.

```

3701 \bool_new:N \l_gotham_defaultEdging
3702 \bool_set_false:N \l_gotham_defaultEdging
3703 % At every new frame, reset the options to default (unless some options/keys are given)
3704 \BeforeBeginEnvironment{frame}{
3705   \bool_if:NTF \l_gotham_defaultEdging {
3706     \setbeamertemplate{sidebar~canvas~left}[default/\prop_item:Nn \l__gotham_template_name_pro
3707     \setbeamertemplate{sidebar~canvas~right}[default/\prop_item:Nn \l__gotham_template_name_pr
3708   }{
3709     % false
3710     \setbeamertemplate{sidebar~canvas~left}[default/empty]
3711     \setbeamertemplate{sidebar~canvas~right}[default/empty]
3712   }
3713 }

```

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

`]\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*.

```

3714 % bool to trigger the add of edging in sidebar canvas
3715 \newenvironment{edgingenv}{
3716   \setbeamertemplate{sidebar~canvas~left}[
3717     default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~left/default}
3718   ]
3719   \setbeamertemplate{sidebar~canvas~right}[
3720     default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~right/default}
3721   ]
3722 }{}
3723 \__gotham_add_beamerframe_key:n {edging}

```

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

`\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`.

```

3724 % bool to trigger the add of noedging in sidebar canvas
3725 \newenvironment{noedgingenv}{
3726   \setbeamertemplate{sidebar~canvas~left}[default/empty]
3727   \setbeamertemplate{sidebar~canvas~right}[default/empty]
3728 }{}
3729 \__gotham_add_beamerframe_key:n {noedging}

```

(End of definition for `\begin{frame}[noedging]`. 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-044`.

```

3730 \keys_define:nn { gotham / outer }
3731 {
3732   % sidebar~canvas~right template
3733   sidebar~canvas~right~template .usage:n = { general },
3734   sidebar~canvas~right~template .default:n = { gotham-filigrane },
3735   sidebar~canvas~right~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~right}
3736 }
3737 \keys_define:nn { gotham / outer }
3738 {
3739   % sidebar~canvas~left template
3740   sidebar~canvas~left~template .usage:n = { general },
3741   sidebar~canvas~left~template .default:n = { gotham-filigrane },
3742   sidebar~canvas~left~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~left}
3743 }
3744 \keys_define:nn { gotham / outer }{
3745   % edging default
3746   edging~default .choice:,
3747   edging~default .usage:n = { general },
3748   edging~default .default:n = { false },
3749
3750   edging~default / true .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3751   edging~default / on .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3752   edging~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3753
3754   edging~default / false .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3755   edging~default / off .code:n = { \bool_set_false:N \l_gotham_defaultEdging },

```

```

3756 edging~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3757
3758 edging~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'~is~unknown
3759 }

```

(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*.

```

3760 \defbeamertemplate*{navigation~symbols}{empty}{}

```

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

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

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

```

3761 % \setbeamertemplate{navigation~symbols}[vertical]
3762 % \setbeamertemplate{navigation~symbols}[only~frame~symbol]
3763 % \setbeamertemplate{navigation~symbols}[default]% = horizontal
3764 % \defbeamertemplate{navigation~symbols}{horizontal}{
3765 %   \usebeamercolor[fg]{navigation~symbols}
3766 %   \insertslidenavigationssymbol
3767 %   \insertframenavigationssymbol
3768 %   \insertsubsectionnavigationssymbol
3769 %   \insertsectionnavigationssymbol
3770 %   \insertdocnavigationssymbol
3771 %   \insertbackfindforwardnavigationssymbol
3772 % }

```

(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*.

```

3773 \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`.

```
3774 % bool to trigger the add of nologo action on frame.
3775 \newenvironment{nologoenv}{
3776   \setbeamertemplate{logo}[empty]
3777 }{}
3778 \l__gotham_add_beamerframe_key:n {nologo}
```

(End of definition for `]\begin{frame}[nologo]`. This function is documented on page 37.)

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`.

```
3779 \defbeamertemplate{headline}{default/gotham}{}
3780 \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`.

```
3781 \defbeamertemplate{headline}{default/gotham-section}{
3782   \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
3783     \usebeamerfont{section-in-head/foot}\hspace*{3.5ex}
3784     \usebeamertemplate{section-in-head/foot}
3785   \end{beamercolorbox}
3786 }
```

(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`

```

3787 \newlength{\gothamFrametitleToppading}
3788 \newlength{\gothamFrametitleBottompadding}
3789 \newlength{\gothamFrametitleLeftpadding}
3790 \newlength{\gothamFrametitleRightpadding}
3791 \setlength{\gothamFrametitleToppading}{2.2ex}
3792 \setlength{\gothamFrametitleBottompadding}{2.2ex}
3793 \setlength{\gothamFrametitleLeftpadding}{2.2ex}
3794 \setlength{\gothamFrametitleRightpadding}{2.2ex}
3795 % \gotham@strut from inner
3796 \providecommand{\gotham@strut}{
3797   \vphantom{ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz (/)}
3798 }

```

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

`\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.

```

3799 \providecommand{\gotham@frametitlestrut@start}{
3800   \rule{0pt}{\gothamFrametitleToppading +
3801     \totalheightof{
3802       \ifcsdef{gotham@frametitleformat}{\gotham@frametitleformat{X}}{X}
3803     }
3804   }
3805 }
3806 \providecommand{\gotham@frametitlestrut@end}{
3807   \rule[-\gothamFrametitleBottompadding]{0pt}{\gothamFrametitleBottompadding}
3808 }

```

(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.

```
3809 \providecommand{\gothamInstituteLogoSquare}[1][4ex]{
3810   \includegraphics[height=#1]{gotham-logo.pdf}
3811 }
3812 \defbeamertemplate{includeLogo}{default/gotham-square}{
3813   \gothamInstituteLogoSquare
3814 }
3815 \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.

```
3816 \defbeamertemplate{includeLogo}{default/gotham-circle}{
3817   \gothamProgressCircle
3818 }
```

(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.

```
3819 \defbeamertemplate{instituteLogo}{default/gotham}{
3820   % \raisebox{lift}[height][depth]{text}
3821   \raisebox{0pt}[0pt][0pt]{
3822     \raisebox{.5\fontcharht\font'E-0.5\height}{
3823       % \setbeamertemplate{}[]
3824       \setbeamertemplate{includeLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {incl
3825       \usebeamertemplate{includeLogo}
3826     }
3827   }
3828 }
3829 \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.

```
3830 \providecommand{\gothamFrameSubtitleSep}{
3831 % \[-.42em] % if newline (as default Beamer)
3832 % or if same line with a -- separator.
3833 \ ----
3834 }
```

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

```
3835 \newlength{\gothamFramesubtitleStrutend}
3836 \setlength{\gothamFramesubtitleStrutend}{0pt}
3837 % \setlength{\gothamFramesubtitleStrutend}{-1.25ex} %% When \newcommand{\gothamFrameSubtitle
```

(End of definition for \gothamFramesubtitleStrutend. This variable is documented on page 38.)

`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.

```
3838 \defbeamertemplate{frametitle}{default/gotham-subsameline}{
3839 \nointerlineskip
3840 \begin{beamercolorbox}[
3841 wd=\paperwidth,
3842 sep=0pt,
3843 leftskip=\gothamFrametitleLeftpadding,
3844 rightskip=\gothamFrametitleRightpadding,
3845 ]{frametitle}
3846 \gotham@frametitlestrut@start
3847 \insertframetitle
3848 \ifx\insertframesubtitle\@empty
3849 %% if subtitle to the frame is empty
3850 \else
3851 %% if not empty: add subtitle
3852 {\usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\gothamFrameSubtitleSep \
3853 \vspace*{\gothamFramesubtitleStrutend}
3854 \fi
3855 \nolinebreak
3856 %% Add logo
3857 \hfill{
3858 \setbeamertemplate{instituteLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {instituteLogo}]
3859 }
```

```

3859   \usebeamertemplate{instituteLogo}
3860   }
3861   \gotham@frametitlestrut@end
3862   \end{beamercolorbox}
3863 }
3864 \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*.

```

3865 \dim_new:N \l__gotham_framesubtitle_subnewline_strutend_dim
3866 \defbeamertemplate{framesubtitle}{default/gotham~subnewline}{
3867   \nointerlineskip
3868   \begin{beamercolorbox}[
3869     wd=\paperwidth,
3870     sep=0pt,
3871     leftskip=\gothamFrametitleLeftpadding,
3872     rightskip=\gothamFrametitleRightpadding,
3873   ]{frametitle}
3874   % put the subtitle in a raisebox to have no influence on the result.
3875   \raisebox{0pt}[0pt][0pt]{
3876     \raisebox{-0.3ex}{
3877       { \usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\insertframesubtitle}
3878     }
3879   }
3880   % add 1ex to take into account the subtitle height.
3881   \dim_set:Nn \l__gotham_framesubtitle_subnewline_strutend_dim {1.ex+\gothamFramesubtitleStrutend}
3882   \vspace{\l__gotham_framesubtitle_subnewline_strutend_dim}
3883   \end{beamercolorbox}
3884 }
3885 \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*.

```

3886 \defbeamertemplate{frametitle}{default/gotham~subnewline}{
3887   \nointerlineskip
3888   \begin{beamercolorbox}[

```

```

3889 wd=\paperwidth,
3890 sep=0pt,
3891 leftskip=\gothamFrametitleLeftpadding,
3892 rightskip=\gothamFrametitleRightpadding,
3893 ]{frametitle}
3894 \gotham@frametitlestrut@start
3895 \insertframetitle
3896 \nolinebreak
3897 \hfill{
3898   \setbeamertemplate{instituteLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {instituteLogo}]
3899   \usebeamertemplate{instituteLogo}
3900 }
3901 \gotham@frametitlestrut@end
3902 \end{beamercolorbox}
3903 %% End of the frametitle box, start then use the subtitle template if needed.
3904 \ifx\insertframesubtitle\@empty
3905   %% if subtitle to the frame is not empty
3906   \else
3907     % reduce vertical space to have a 1pt overlap, so no white line appears with vectorial view
3908     \vspace*{-1pt}
3909     % add the subtitle
3910     \setbeamertemplate{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {framesubtitle}]
3911     % \setbeamertemplate{framesubtitle}%[framesubtitle/default]
3912     \usebeamertemplate{framesubtitle}
3913   \fi
3914 }

```

(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`.

```

3915 \keys_define:nn { gotham / outer }{
3916   % frametitle template
3917   frametitle~template .usage:n = { general },
3918   frametitle~template .default:n = { gotham~subsameline },
3919   frametitle~template .code:n = {
3920     \__gotham_set_prop_template:nn{frametitle/default}{#1}
3921     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {frametitle}]
3922   }
3923 }
3924 \keys_define:nn { gotham / outer }{
3925   % frametitle template

```



```

3926 framesubtitle~template .usage:n = { general },
3927 framesubtitle~template .default:n = { gotham~subnewline },
3928 framesubtitle~template .code:n = {
3929   \__gotham_set_prop_template:nn{framesubtitle/default}{#1}
3930   \setbeamertemplate{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fra
3931 }
3932 }

```

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

Continuation

`\defbeamertemplate{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*.

```

3933 \defbeamertemplate{framesubtitle-continuation}{default/beamer}{
3934   \usebeamerfont{framesubtitle}
3935   {
3936     \MakeUppercase{\romannumeral \insertcontinuationcount}
3937   }
3938 }

```

(End of definition for `\defbeamertemplate{framesubtitle-continuation}{default/beamer}`. This function is documented on page ??.)

`\defbeamertemplate{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*.

```

3939 \defbeamertemplate{framesubtitle-continuation}{default/tot}{
3940   \usebeamerfont{framesubtitle}
3941   {
3942     \textmd{%
3943       [\insertcontinuationcount
3944       \,/\,%
3945       \the\numexpr\beamer@endpageofframe+1-\beamer@startpageofframe
3946       ]%
3947     }%
3948   }
3949 }

```

(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`.

```
3950 \defbeamertemplate{frametitle-continuation}{default/gotham}{
3951   \usebeamerfont{frametitle}
3952   {
3953     %\small
3954     (\romannumeral \insertcontinuationcount)
3955   }
3956 }
3957 \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`.

```
3958 \keys_define:nn { gotham / outer }{
3959   % frametitle template
3960   frametitle-continuation-template .usage:n = { general },
3961   frametitle-continuation-template .default:n = { gotham },
3962   frametitle-continuation-template .code:n = {
3963     \__gotham_set_prop_template:nn{frametitle-continuation/default}{#1}
3964     \setbeamertemplate{frametitle-continuation}[default/\prop_item:Nn \l__gotham_template_name
3965   }
3966 }
```

(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`.

```
3967 \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`.

```
3968 % bool to trigger the add of nofootline in frame.
3969 \newenvironment{nofootlineenv}{
3970   \setbeamertemplate{footline}[empty]
3971 }{}
3972 \__gotham_add_beamerframe_key:n {nofootline}
```

(End of definition for `\begin{frame}[nofootline]`. This function is documented on page 38.)

`\gothamFootlineVOffset` Lengths used in footline template.

`\gothamFootlineHeight`

`\gothamFootlineDepth`

```
3973 % Footline lengths
3974 % space between to bottom of the text (or the footnote) and the footline
3975 \newlength{\gothamFootlineVOffset}
3976 \newlength{\gothamFootlineHeight}
3977 \newlength{\gothamFootlineDepth}
3978 \newlength{\gothamFootlineHRightOffset}
3979
3980 \setlength{\gothamFootlineVOffset}{-0.5ex}
3981 \setlength{\gothamFootlineDepth}{0.1ex}
3982 \setlength{\gothamFootlineHeight}{1.5ex}
3983 \setlength{\gothamFootlineHRightOffset}{\spaceskip}
```

(End of definition for `\gothamFootlineVOffset`, `\gothamFootlineHeight`, and `\gothamFootlineDepth`. These variables are documented on page 38.)

`\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`.

```
3984 \defbeamertemplate*{footline}{default/gotham}{
3985   % new line to adjust the footline position.
3986   \vspace*{\gothamFootlineVOffset}
3987   \begin{beamercolorbox}[
3988     wd=\textwidth,
3989     sep=0pt,
3990     leftskip=3ex,
3991     rightskip=3ex,
```

```

3992 ht={\gothamFootlineHeight},
3993 dp={\gothamFootlineDepth},
3994 ]{footline}
3995 \usebeamerfont{page number in head/footer}
3996 \ifbeamertemplateempty{frame~footer}{
3997   %executed if empty
3998   \hfill \ \gotham@strut
3999 }{
4000   %\executed otherwise}
4001 \usebeamertemplate*{frame~footer}
4002 }
4003 \hspace{\gothamRightFooterPadding}
4004 {\usebeamertemplate{page~number~in~head/footer}}
4005 \hspace*{\gothamFootlineHRightOffset}
4006 \end{beamercolorbox}
4007 }
4008 \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 ??.)

`]\begin{frame}[nopagenumber]` Add a frame option `nopagenumber` to do not display an page number locally. 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*.

```

4009 % bool to trigger the add of nopagenumber in frame.
4010 \newenvironment{nopagenumberenv}{
4011   \setbeamertemplate{page~number~in~head/footer}[none]
4012 }{}
4013 \__gotham_add_beamerframe_key:n {nopagenumber}

```

(End of definition for `\begin{frame}[nopagenumber]`. This function is documented on page 38.)

Footer

`\gothamLeftFooterPadding` Lengths used in footer template for positioning left right and bottom.
`\gothamRightFooterPadding`
`\gothamFooterHOffset`

```

4014 \newlength{\gothamLeftFooterPadding}
4015 \newlength{\gothamRightFooterPadding}
4016 \newlength{\gothamFooterHOffset}
4017 \setlength{\gothamLeftFooterPadding}{2.0ex}
4018 \setlength{\gothamRightFooterPadding}{3.5ex}
4019 \setlength{\gothamFooterHOffset}{0pt}

```

(End of definition for `\gothamLeftFooterPadding`, `\gothamRightFooterPadding`, and `\gothamFooterHOffset`. These variables are documented on page 39.)

`\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*.

```
4020 \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*.

```
4021 \defbeamertemplate{frame-footer}{empty}{
4022   \hspace{\gothamLeftFooterPadding}
4023   \hfill \
4024   \gotham@strut
4025   % decrease space between progress bar and footer
4026   \vspace*{\gothamFooterHOffset}
4027 }
```

(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*.

```
4028 % bool to trigger the add of nofooter in frame.
4029 \newenvironment{nofooterenv}{
4030   \setbeamertemplate{frame-footer}[empty]
4031   }{}
4032 \_gotham_add_beamerframe_key:n {nofooter}
```

(End of definition for `\begin{frame}[nofooter]`. This function is documented on page 39.)

`\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*.

```
4033 \bool_new:N \l_gotham_defaultRotateFooter
```

```

4034 \bool_set_false:N \l_gotham_defaultRotateFooter
4035 \bool_new:N \l_gotham_RotateFooter
4036 \bool_set_false:N \l_gotham_RotateFooter
4037 % At every new frame, reset the options to default (unless some options/keys are given)
4038 \BeforeBeginEnvironment{frame}{
4039 \bool_if:NTF \l_gotham_defaultRotateFooter {
4040 \bool_set_true:N \l_gotham_RotateFooter
4041 }{% false
4042 \bool_set_false:N \l_gotham_RotateFooter
4043 }
4044 }

```

(End of definition for `\l_gotham_defaultRotateFooter`. This function is documented on page 39.)

`\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*.

```

4045 % bool to trigger
4046 % Capture new options/keys for frames
4047 \define@key{beamerframe}{rotateFooter}[true]{
4048 \bool_set_true:N \l_gotham_RotateFooter
4049 }

```

(End of definition for `\begin{frame}[rotateFooter]`. This function is documented on page 39.)

`\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*.

```

4050 % Capture new options/keys for frames
4051 \define@key{beamerframe}{noRotateFooter}[true]{
4052 \bool_set_false:N \l_gotham_RotateFooter
4053 }

```

(End of definition for `\begin{frame}[noRotateFooter]`. This function is documented on page 39.)

`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*.

```

4054 \keys_define:nn { gotham / outer }{

```

```

4055 % rotateFooter default
4056 rotateFooter~default .choice:,
4057 rotateFooter~default .usage:n = { general },
4058 rotateFooter~default .default:n = { false },
4059
4060 rotateFooter~default / true .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
4061 rotateFooter~default / on .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
4062 rotateFooter~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
4063
4064 rotateFooter~default / false .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
4065 rotateFooter~default / off .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
4066 rotateFooter~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
4067
4068 rotateFooter~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
4069 }

```

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

```

\gothamFootlineRuleLeftPadding Lengths used in footer template.
\gothamFootlineRuleHeight
\gothamFootlineRuleLength
\gothamHposLeftRotFooter
\gothamHposRightRotFooter
\gothamVposLeftRotFooter
\gothamVposRightRotFooter
4070 \newlength{\gothamFootlineRuleLeftPadding}
4071 \newlength{\gothamFootlineRuleHeight}
4072 \newlength{\gothamFootlineRuleLength}
4073
4074 \setlength{\gothamFootlineRuleLeftPadding}{7mm}
4075 \setlength{\gothamFootlineRuleHeight}{0.0pt}
4076 % \setlength{\gothamFootlineRuleHeight}{0.5pt} % This is nice also but have a cleaner default
4077 \setlength{\gothamFootlineRuleLength}{15mm}
4078
4079 % horizontal position (in picture env) for the rotated footer.
4080 \newlength{\gothamHposLeftRotFooter}
4081 \newlength{\gothamHposRightRotFooter}
4082 \newlength{\gothamVposLeftRotFooter}
4083 \newlength{\gothamVposRightRotFooter}
4084
4085 \setlength{\gothamHposLeftRotFooter}{-7pt}
4086 \setlength{\gothamHposRightRotFooter}{2pt}
4087 \setlength{\gothamVposLeftRotFooter}{15pt}
4088 \setlength{\gothamVposRightRotFooter}{15pt}

```

(End of definition for \gothamFootlineRuleLeftPadding and others. These variables are documented on page 40.)

```

\hlenRightRotFooter Temporary variables for the horizontal length of the rotated footer
\hlenLeftRotFooter

```

```

4089 % Not used yet because I need to have a latex3 settowidth equivalent.
4090 % I will maybe take inspiration from https://tex.stackexchange.com/questions/492367/does-exp
4091 % \dim_new:N \l__gotham_HLen_rightRotFooter_dim
4092 % \dim_new:N \l__gotham_HLen_leftRotFooter_dim
4093 \newlength{\hlenRightRotFooter}
4094 \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*.

```

4095 \providecommand{\gothamHookFooter}{}
4096 \defbeamertemplate{frame~footer}{default/gotham}{
4097   %% Add a ruler but wihtout affecting the dimensions of the footline
4098   \vbox to Opt{
4099     % Vertical stretch to ensure proper spacing
4100     \vss
4101     \hbox to Opt{
4102       \hspace*{\gothamFootlineRuleLeftPadding}
4103       % \usebeamercolor{frametitle}
4104       % \color{frametitle.bg}
4105       \usebeamercolor{footlineRule}
4106       \color{footlineRule.fg}
4107       \rule{\gothamFootlineRuleLength}{\gothamFootlineRuleHeight}
4108       \vspace*{
4109         \dimexpr \gothamFootlineHeight -0.25em\relax
4110       }
4111       % Horizontal stretch to ensure proper spacing
4112       \hss
4113     }
4114   }
4115   %% Add Hook
4116   \gothamHookFooter{}
4117   %% Add short date
4118   \hspace{\gothamLeftFooterPadding}
4119   \settowidth{\hlenLeftRotFooter}{\hspace{-\gothamLeftFooterPadding}}
4120   \addtolength{\hlenLeftRotFooter}{\gothamHposLeftRotFooter}
4121   % \ifbool{rotateFooter}{
4122   \bool_if:NTF \l__gotham_RotateFooter {
4123     % rotateFooter true
4124     \begin{picture}(0,0)(0,0)
4125       \put(\hlenLeftRotFooter,\gothamVposLeftRotFooter){\rotatebox{90}{\insertshortdate}}

```



```

4126 \end{picture}
4127 }{
4128 % rotateFooter false
4129 \insertshortdate
4130 }
4131 \hfill \
4132 %%% Add short title
4133 \hfill \ \insertshorttitle
4134 % make sure that the vertical space is constant: strut.
4135 \gotham@strut
4136 \hfill \
4137 \hfill \
4138 %%% Add short author
4139 \bool_if:NTF \l_gotham_RotateFooter {
4140 % rotateFooter true
4141 \settowidth{\hlenRightRotFooter}{\hspace{\gothamRightFooterPadding}\usebeamertemplate{page
4142 \addtolength{\hlenRightRotFooter}{\gothamHposRightRotFooter}
4143 \begin{picture}(0,0)(0,0)
4144 \put(\hlenRightRotFooter,\gothamVposRightRotFooter){\rotatebox{90}{\insertshortauthor}}
4145 \end{picture}
4146 }{
4147 % rotateFooter false
4148 \insertshortauthor
4149 }
4150 %%% Decrease space between progress bar and footer
4151 \vspace*{\gothamFooterHOffset}
4152 }
4153 \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.

```

4154 \keys_define:nn { gotham / outer }{
4155 % footer template
4156 footer~template .usage:n = { general },
4157 footer~template .default:n = { gotham },
4158 footer~template .code:n = {
4159 \__gotham_set_prop_template:nn{frame~footer/default}{#1}
4160 \setbeamertemplate{frame~footer}[
4161 default/\prop_item:Nn \l__gotham_template_name_prop {frame~footer/default}
4162 ]

```

```

4163 }
4164 }

```

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

Numbering

`\inserttotalframenummer` 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*.

```

4165 %
4166 \def\inserttotalframenummer{100}

```

(End of definition for `\inserttotalframenummer`. This function is documented on page ??.)

`\beamertemplate{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*.

```

4167 \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`

```

4168 \newlength{\gothamCircleNumberingVshift}
4169 \newlength{\gothamCircleNumberingHshift}
4170 \setlength{\gothamCircleNumberingVshift}{1.4mm}
4171 \setlength{\gothamCircleNumberingHshift}{2.6mm}

```

(End of definition for `\gothamCircleNumberingVshift` and `\gothamCircleNumberingHshift`. These variables are documented on page 40.)

`\beamertemplate{page-number-in-head/foot}{circle}` Template to add, in a circle, the number of the current frame over (slash) the total number of frames.

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

```

4172 \defbeamertemplate{page-number~in-head/foot}{circle}{
4173 % horizontal space between the circle and the right part of the footer (email).
4174 \hspace{+2em}
4175 % \raisebox{lift}[height][depth]{text} => lift here = vertical space between the bottom of
4176 \raisebox{\gothamCircleNumberingVshift}[0pt][0pt]{
4177 \begin{tikzpicture}[remember~picture, overlay]
4178 \coordinate (circleCenter);

```

```

4179
4180   \usebeamercolor{frametitle}
4181
4182   \draw[fill, color=frametitle.bg] (circleCenter) circle (6mm);
4183   \draw[fill, color=frametitle.fg] (circleCenter) circle (5mm);
4184   \node[color=frametitle.bg] at (circleCenter)
4185     {\small$\sim^{\insertframenummer}\negmedspace/\negthinspace\sb{\inserttotalframenummer}$}
4186   ;
4187   \end{tikzpicture}
4188   % horizontal space between the right border of the page and the center of the circle.
4189   \hspace{\gothamCircleNumberingHshift}
4190 }
4191 }

```

(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*.

```

4192 \keys_define:nn { gotham / outer }{
4193   % numbering
4194   numbering .choice:,
4195   numbering .usage:n = { general },
4196   numbering .default:n = { none },
4197
4198   % \__gotham_set_template:nn{title~page}{#1}
4199   numbering / none .code:n = { \setbeamertemplate{page~number~in~head/foot}[none] },
4200   numbering / framenummer .code:n = { \setbeamertemplate{page~number~in~head/foot}[framenumbe
4201   numbering / totalframenummer .code:n = {\setbeamertemplate{page~number~in~head/foot}[totalf
4202   numbering / appendixframenummer .code:n = {\setbeamertemplate{page~number~in~head/foot}[app
4203   numbering / pagenummer .code:n = { \setbeamertemplate{page~number~in~head/foot}[pagenumber]
4204   numbering / totalpagenumber .code:n = {\setbeamertemplate{page~number~in~head/foot}[totalpa
4205   numbering / circle .code:n = {\setbeamertemplate{page~number~in~head/foot}[circle] },
4206
4207   numbering / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unknown~for~
4208 }

```

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

MiniFrames & Progress bar

MiniFrames

`\defbeamertemplate{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.

```
4209 \defbeamertemplate{section~in~head/foot}{default/beamer}{
4210   \insertsectionhead
4211 }
4212 \defbeamertemplate{section~in~head/foot~shaded}{default/beamer}{
4213   \color{fg!50!bg}\usebeamertemplate{section~in~head/foot}
4214 }
4215
4216 % \defbeamertemplate{includeLogo}{default/gotham~square}{
4217   \prop_put:Nnn \l__gotham_template_name_prop {section~in~head/foot~shaded/default} {beamer}
4218 % \defbeamertemplate{includeLogo}{default/gotham~square}{
4219   \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 ??.)

`\defbeamertemplate{section-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.

```
4220 \defbeamertemplate{section~in~head/foot}{default/gotham~secSubsec}{
4221   \insertsectionhead
4222   \ifx\insertsubsection\empty\else
4223     \ifdefempty{\subsecname}{\relax}{
4224       \ \textbar\ \insertsubsectionhead
4225     }
4226   \fi
4227 }
4228 \defbeamertemplate{section~in~head/foot~shaded}{default/gotham~secSubsec}{
4229   \insertsectionhead
4230 }
```

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

`\defbeamertemplate{section-in-head/foot}{default/empty}` Empty template for section in headline, compensating the height of a line.

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

```
4231 \defbeamertemplate{section~in~head/foot}{default/empty}{
4232   \vspace{3.875ex}
4233 }
```

```

4234 \defbeamertemplate{section~in~head/foot~shaded}{default/empty}{
4235   \vspace{3.875ex}
4236 }

```

(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
`\gotham@temp@PaperheightFrametitle` paper minus the frametitle.

```

4237 \newlength{\gotham@temp@heightFrametitle}
4238 \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`.

```

4239 \defbeamertemplate*{mini~nav~progress~head/foot}{gotham~miniframes~theme}
4240 {
4241   %,ht=1.75ex,dp=2.75ex
4242   \begin{beamercolorbox}[ignorebg]{section~in~head/foot}
4243     \hfuzz=\paperwidth
4244     \insertnavigation{\paperwidth}
4245     % \dohead
4246     \vspace{0.05cm}
4247   \end{beamercolorbox}
4248 }
4249 \defbeamertemplate*{mini~nav~progress~left}{gotham~miniframes~theme}
4250 {
4251   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4252   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
4253
4254   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
4255
4256   \vspace{-0.6\paperheight}
4257   \rotatebox{90}{
4258     %,ht=1.75ex,dp=2.75ex
4259     \begin{beamercolorbox}[ignorebg]{section~in~head/foot}
4260       \hfuzz=\gotham@temp@PaperheightFrametitle
4261       \insertnavigation{\gotham@temp@PaperheightFrametitle}
4262       % \dohead

```

```

4263   % \vspace{0.05cm}
4264   \end{beamercolorbox}
4265 }
4266 }
4267 \defbeamertemplate*{mini-nav-progress-right}{gotham-miniframes-theme}
4268 {
4269   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4270   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
4271
4272   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
4273
4274   \vspace{\gotham@temp@heightFrametitle}
4275   \hspace{-2.3em}
4276   \rotatebox{-90}{
4277     %,ht=1.75ex,dp=2.75ex
4278     \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
4279       \hfuzz=\gotham@temp@PaperheightFrametitle
4280       \insertnavigation{\gotham@temp@PaperheightFrametitle}
4281       % \dohead
4282       % \vspace{0.05cm}
4283     \end{beamercolorbox}
4284   }
4285 }

```

(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*.

```

4286 \defbeamertemplate{mini-frame}{gotham-box}
4287 {
4288   \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
4289     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}
4290     \pgfusepath{fill,stroke}
4291   \end{pgfpicture}
4292 }[action]{
4293   \setbeamersize{mini-frame-size=.14cm, mini-frame-offset=.05cm}
4294 }
4295 %
4296 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-box}
4297 {

```

```

4298 \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
4299 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}
4300 \pgfusepath{stroke}
4301 \end{pgfpicture}
4302 }

```

(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*.

```

4303 \defbeamertemplate{mini-frame}{gotham-minibox}
4304 {
4305 \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}
4306 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}
4307 \pgfusepath{fill,stroke}
4308 \end{pgfpicture}
4309 }[action]{
4310 \setbeamersize{mini-frame~size=.08cm, mini-frame~offset=.05cm}
4311 }
4312 %
4313 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-minibox}
4314 {
4315 \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}
4316 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}
4317 \pgfusepath{stroke}
4318 \end{pgfpicture}
4319 }

```

(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*.

```

4320 \defbeamertemplate{mini-frame}{gotham-minibullet}
4321 {
4322 \beamer@xelatex@fixminiframes
4323 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
4324 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
4325 \pgfusepath{fill,stroke}
4326 \end{pgfpicture}
4327 }[action]{

```

```

4328 \setbeamersize{mini-frame-size=.09cm, mini-frame-offset=.05cm}
4329 }
4330 %
4331 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-minibullet}
4332 {
4333 \beamer@xelatex@fixminiframes
4334 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
4335 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
4336 \pgfusepath{stroke}
4337 \end{pgfpicture}
4338 }

```

(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*.

```

4339 \keys_define:nn { gotham / outer }{
4340 %% mini-frames-shape
4341 % mini-frames-shape .choice:,
4342 mini-frames-shape .usage:n = { general },
4343 mini-frames-shape .default:n = { gotham-minibullet },
4344 % \__gotham_set_template:nn{title-page}{#1}
4345 mini-frames-shape .code:n = {
4346 % \__gotham_set_template:nn{mini-frames}{#1}% This can not work since this is an alias, so
4347 \setbeamertemplate{mini-frames}[#1]
4348 },
4349 % mini-frames-shape / unknown .code:n = { \PackageWarning{ gotham } { The-choice-#1'-is-un
4350 }

```

(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*.

```

4351 \defbeamertemplate*{miniframe-home}{beamer}{
4352 % $\equiv$
4353 }
4354 \defbeamertemplate*{miniframe-current-slide}{beamer}{
4355 \usebeamertemplate{mini-frame}
4356 }
4357 \defbeamertemplate*{miniframe-done-current-section}{beamer}{

```



```

4358 \usebeamertemplate{mini~frame~in~current~subsection}
4359 }
4360 \defbeamertemplate*{miniframe~todo~current~section}{beamer}{
4361 \usebeamertemplate{mini~frame~in~current~subsection}
4362 }
4363 \defbeamertemplate*{miniframe~done~other~section}{beamer}{
4364 \usebeamertemplate{mini~frame~in~other~subsection}
4365 }
4366 \defbeamertemplate*{miniframe~todo~other~section}{beamer}{
4367 \usebeamertemplate{mini~frame~in~other~subsection}
4368 }
4369 % Templates about should appear sectioning in mini frame.
4370 % \defbeamertemplate*{miniframe~part}{beamer}{}
4371 \defbeamertemplate*{miniframe~section~current}{beamer}{}
4372 \defbeamertemplate*{miniframe~section~done}{beamer}{}
4373 \defbeamertemplate*{miniframe~section~todo}{beamer}{}
4374 \defbeamertemplate*{miniframe~subsection~current}{beamer}{}
4375 \defbeamertemplate*{miniframe~subsection~todo}{beamer}{}
4376 \defbeamertemplate*{miniframe~subsection~done}{beamer}{}
4377 % \defbeamertemplate*{miniframe~subsubsection}{beamer}{}
4378 \defbeamertemplate*{miniframe~section~done~in~other~section}{default}[1][50]
4379 {
4380 \color{fg!#1!bg}\usebeamertemplate{miniframe~section~done}
4381 }
4382 \defbeamertemplate*{miniframe~section~todo~in~other~section}{default}[1][50]
4383 {
4384 \color{fg!#1!bg}\usebeamertemplate{miniframe~section~todo}
4385 }
4386 \defbeamertemplate*{miniframe~subsection~done~in~other~section}{default}[1][50]
4387 {
4388 \color{fg!#1!bg}\usebeamertemplate{miniframe~subsection~done}
4389 }
4390 \defbeamertemplate*{miniframe~subsection~todo~in~other~section}{default}[1][50]
4391 {
4392 \color{fg!#1!bg}\usebeamertemplate{miniframe~subsection~todo}
4393 }

```

(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`.

```

4394 \defbeamertemplate{miniframe~home}{gotham~mini}{
4395 \resizebox{0.85\beamer@boxsize}{\beamer@boxsize}{\equiv$}
4396 % \scalebox{0.5}[0.95]{\equiv$}
4397 }
4398 \defbeamertemplate{miniframe~current~slide}{gotham~mini}{
4399 \usebeamercolor[fg]{alerted~text}
4400 \usebeamertemplate{mini~frame}
4401 }
4402 \defbeamertemplate{miniframe~done~current~section}{gotham~mini}{
4403 \usebeamertemplate{mini~frame}
4404 }
4405 \defbeamertemplate{miniframe~todo~current~section}{gotham~mini}{
4406 \usebeamertemplate{mini~frame~in~current~subsection}
4407 }
4408 \defbeamertemplate{miniframe~done~other~section}{gotham~mini}[1][50]{
4409 \color{fg!#1!bg}\usebeamertemplate{mini~frame}
4410 }
4411 \defbeamertemplate{miniframe~todo~other~section}{gotham~mini}[1][50]{
4412 \color{fg!#1!bg}\usebeamertemplate{mini~frame~in~other~subsection}
4413 }
4414 % Templates about should appear sectioning in mini frame.
4415 % \defbeamertemplate{miniframe~part}{gotham~mini}[1][]{
4416 % p
4417 % }
4418 \defbeamertemplate{miniframe~section~current}{gotham~mini}{
4419 \fontsize{3pt}{0pt}\selectfont
4420 % \color{blue}
4421 \tl_use:N \l__gotham_minif_tmpa_tl
4422 \hspace{1.pt}
4423 }
4424 \defbeamertemplate{miniframe~section~done}{gotham~mini}{
4425 \fontsize{3pt}{0pt}\selectfont
4426 % \color{green}
4427 \tl_use:N \l__gotham_minif_tmpa_tl
4428 \hspace{1.pt}
4429 }
4430 \defbeamertemplate{miniframe~section~todo}{gotham~mini}{
4431 \fontsize{3pt}{0pt}\selectfont
4432 % \color{red}
4433 \tl_use:N \l__gotham_minif_tmpa_tl
4434 \hspace{1.pt}
4435 }
4436 \defbeamertemplate{miniframe~subsection~current}{gotham~mini}{

```

```

4437 \usebeamercolor [fg] {alerted-text}
4438 \hspace{-0.15pt}
4439 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
4440 }
4441 \defbeamertemplate{miniframe-subsection-todo}{gotham-mini}{
4442 \hspace{-0.15pt}
4443 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\lozenge$}
4444 }
4445 \defbeamertemplate{miniframe-subsection-done}{gotham-mini}{
4446 \hspace{-0.15pt}
4447 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
4448 }
4449 % \defbeamertemplate{miniframe-subsubsection}{gotham-mini}{
4450 % d
4451 % }

```

(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*.

```

4452 \defbeamertemplate{miniframe-home}{gotham-nano}{
4453 % \resizebox{\beamer@boxsize}{!}{\equiv$}
4454 \scalebox{0.5}[0.95]{\equiv$}
4455 }
4456 \defbeamertemplate{miniframe-current-slide}{gotham-nano}{
4457 o
4458 }
4459 \defbeamertemplate{miniframe-done-current-section}{gotham-nano}{
4460 x
4461 }
4462 \defbeamertemplate{miniframe-todo-current-section}{gotham-nano}{
4463 $\cdot$
4464 }
4465 \defbeamertemplate{miniframe-done-other-section}{gotham-nano}{
4466 x
4467 }
4468 \defbeamertemplate{miniframe-todo-other-section}{gotham-nano}{
4469 $\cdot$
4470 }
4471 % Templates about should appear sectioning in mini frame.
4472 % \defbeamertemplate{miniframe-part}{gotham-nano}[1][]{
4473 % p

```

```

4474 % }
4475 \defbeamertemplate{miniframe-section-current}{gotham-nano}{
4476 \tl_use:N \l__gotham_minif_tmpa_tl
4477 }
4478 \defbeamertemplate{miniframe-section-done}{gotham-nano}{
4479 \tl_use:N \l__gotham_minif_tmpa_tl
4480 }
4481 \defbeamertemplate{miniframe-section-todo}{gotham-nano}{
4482 \tl_use:N \l__gotham_minif_tmpa_tl
4483 }
4484 \defbeamertemplate{miniframe-subsection-current}{gotham-nano}{
4485 \usebeamercolor[fg]{alerted-text}\$diamond$
4486 }
4487 \defbeamertemplate{miniframe-subsection-todo}{gotham-nano}{
4488 \$diamond$
4489 }
4490 \defbeamertemplate{miniframe-subsection-done}{gotham-nano}{
4491 \$diamond$
4492 }

```

(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*.

```

4493 \defbeamertemplateparent{mini-frames-bundle}
4494 { miniframe-home, miniframe-current-slide,
4495 miniframe-done-current-section, miniframe-todo-current-section, miniframe-done-other-section,
4496 miniframe-section-current, miniframe-section-done, miniframe-section-todo,
4497 miniframe-subsection-current, miniframe-subsection-done, miniframe-subsection-todo,
4498 }{}
4499 %\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*.

```

4500 \keys_define:nn { gotham / outer }{
4501 %% mini-frames-bundle
4502 % mini-frames-bundle .choice:,
4503 mini-frames-bundle .usage:n = { general },

```

```

4504 mini~frames~bundle .default:n = { gotham~mini },
4505 % \__gotham_set_template:nn{title~page}{#1}
4506 mini~frames~bundle .code:n = {
4507   % \__gotham_set_template:nn{mini~frames}{#1}% This can not work since this is an alias, so
4508   \setbeamertemplate{mini~frames~bundle}[#1]
4509 },
4510 % mini~frames~bundle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
4511 }

```

(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*.

```

4512 \keys_define:nn { gotham / outer }{
4513   % mini~frames~compress default
4514   mini~frames~compress .choice:,
4515   mini~frames~compress .usage:n = { general },
4516   mini~frames~compress .default:n = { true },
4517
4518   mini~frames~compress / true .code:n = { \beamer@compresstrue },
4519   mini~frames~compress / on .code:n = { \beamer@compresstrue },
4520   mini~frames~compress / enable .code:n = { \beamer@compresstrue },
4521
4522   mini~frames~compress / false .code:n = { \beamer@compressfalse },
4523   mini~frames~compress / off .code:n = { \beamer@compressfalse },
4524   mini~frames~compress / disable .code:n = { \beamer@compressfalse },
4525
4526   mini~frames~compress / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
4527 }

```

(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 the last section treated and the pass the value of the section to the section template.

`\gotham@temp@MiniframeSubsecDim`

`\gotham@temp@lastSec`

```

4528 \newlength{\gotham@temp@MiniframeSubsecDim}
4529 \newlength{\gotham@temp@MiniframeSecDim}
4530 \def\gotham@temp@lastSec{-1}
4531 \tl_new:N \l__gotham_minif_tmpa_tl
4532 \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.

```
4533 % definition from Beamerbasenavigation.sty
4534 % \def\slideentry#1#2#3#4#5#6{%
4535 \renewcommand{\slideentry}[6]{%
4536     %section number, subsection number, slide number, first/last frame, page number, part num
4537 \ifnum#6=\c@part\ifnum#3>0\ifnum#6=\c@part\ifnum#1>0\ifnum#3>0 MODIF
4538 \ifbeamer@compress%
4539 \advance\beamer@xpos by1\relax%
4540 \else%
4541 \ifnum#2=0%
4542 \beamer@ypos@offset=1\relax%
4543 \fi%
4544 \beamer@xpos=#3\relax%
4545 \beamer@ypos=#2\relax%
4546 \advance\beamer@ypos by \beamer@ypos@offset\relax%
4547 \fi%
4548 %% Add section number and subsection symbol to miniframes.
4549 %% MODIF below, inspired from https://tex.stackexchange.com/questions/722523
4550 \ifnum#3=1\c@subsectionslide=#3 % if =1, so it has been reset => new section or subsection
4551 \ifnum#1>0\ifnum#2<2% => there no subsection in this section.
4552 \ifnum\gotham@temp@lastSec=#1%
4553 % this means, that we already went through: there no subsec, then the first subsec has
4554 \else%
4555 \tl_set:Nn \l__gotham_minif_tmpa_tl {#1}
4556 \settowidth{\gotham@temp@MiniframeSecDim}{\usebeamertemplate{miniframe-section-current}}
4557 % \addtolength{\gotham@temp@MiniframeSecDim}{1.5pt}
4558 \hbox to Opt{%
4559 \beamer@tempdim=-\beamer@vboxoffset%
4560 \advance\beamer@tempdim by-\beamer@boxsize%
4561 \multiply\beamer@tempdim by\beamer@ypos%
4562 \advance\beamer@tempdim by -.05cm%
4563 \raise\beamer@tempdim\hbox{%
4564 \beamer@tempdim=\beamer@boxsize%
4565 \multiply\beamer@tempdim by\beamer@xpos%
4566 \advance\beamer@tempdim by -\beamer@boxsize%
4567 \advance\beamer@tempdim by -\gotham@temp@MiniframeSecDim% NEW
4568 \advance\beamer@tempdim by 1pt%
4569 \kern\beamer@tempdim%
4570 \global\beamer@section@min@dim\beamer@tempdim%
4571 \hbox{\beamer@link(#4)}%
4572 % \usebeamertemplate{miniframe-section}%
4573 % if not first page then check183 if it is the current section.
4574 \ifnum\c@section=#1%
4575 % check if it is the current slide
4576 \ifnum\c@subsectionslide=#3%
4577 \usebeamertemplate{miniframe-section-current}
4578 \else%
4579 \ifnum\c@subsectionslide<#3
```

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

```
4753 \providebool{gothamZerosectionframes}  
4754 \boolfalse{gothamZerosectionframes}
```

(End of definition for `gothamZerosectionframes`. This variable is documented on page 41.)

`\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`.

```
4755 \providecommand{\gothamInsertNavlength}{  
4756 % spreading by default  
4757 \ifbool{gothamZerosectionframes}{  
4758 %true  
4759 % spreading  
4760 \hskip-0.5ex~plus~1fill  
4761 }{  
4762 %false  
4763 \hskip-1.875ex~plus~1fill  
4764 }%  
4765 }  
4766 \providecommand{\gothamPatchInsertNav}{  
4767 % Don't patch for now  
4768 \box\beamer@sectionbox\hfil\hskip.3cm  
4769 }  
4770 \providecommand{\gothamPatchSectionentry}{  
4771 % Don't patch for now  
4772 \hskip1.875ex~plus~1fill  
4773 }  
4774 \providecommand{\gothamPatchSectionbox}{  
4775 % Don't patch for now  
4776 \ht\beamer@sectionbox=1.875ex  
4777 \dp\beamer@sectionbox=0.75ex  
4778 }  
4779 \ExplSyntaxOff  
4780 % To let the 0-th section appear.  
4781 \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{%  
4782 \ifnum\value{section}=0%  
4783 \ifnum\value{framenumber}>0%  
4784 \hskip-0ex%  
4785 \global\booltrue{gothamZerosectionframes}%  
4786 \fi\fi%  
4787 \gothamInsertNavlength%
```



```

4788 }{}{}
4789 %% Remove hfill between sections => flush right bullet bar, if not corrected.
4790 \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\gothamPatchSectionentry}{}{}
4791 %% Centering the bullet bar
4792 \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{\gothamPatchInsertNav}{}{}
4793 % Patch size of sectionbox
4794 \patchcmd{\insertnavigation}{\ht\beamer@sectionbox=1.875ex%
4795 \dp\beamer@sectionbox=0.75ex%
4796 }{
4797 \gothamPatchSectionbox
4798 }{}{}
4799 \patchcmd{\sectionentry}{\ht\beamer@sectionbox=1.875ex%
4800 \dp\beamer@sectionbox=0.75ex%
4801 }{
4802 \gothamPatchSectionbox
4803 }{}{}
4804 \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`.

```

4805 \keys_define:nn { gotham / outer }{
4806 % mini~frames~nav~spreading default
4807 mini~frames~nav~spreading .choice:,
4808 mini~frames~nav~spreading .usage:n = { general },
4809 mini~frames~nav~spreading .default:n = { spreading },
4810
4811 mini~frames~nav~spreading / spreading .code:n = {
4812 %
4813 \renewcommand{\gothamInsertNavlength}{
4814 \ifbool{gothamZerosectionframes}{
4815 %true
4816 % spreading
4817 \hskip-0.5ex
4818 }{
4819 %false
4820 \hskip-1.875ex-plus-1fill
4821 }%
4822 }
4823 % No other patch needed, but renewcommand if it has been modified previously.
4824 \renewcommand{\gothamPatchInsertNav}{

```

```

4825 % Don't patch for now
4826 \box\beamer@sectionbox\hfil\hskip.3cm
4827 }
4828 \renewcommand{\gothamPatchSectionentry}{
4829 % Don't patch for now
4830 \hskip1.875ex~plus~1fill
4831 }
4832 },
4833 mini~frames~nav~spreading / centering .code:n = {
4834 %
4835 \renewcommand{\gothamInsertNavlength}{
4836 \ifbool{gothamZerosectionframes}{
4837 %true
4838 % centering +patch sectionenty +patch insertnav @sectionbox
4839 \hskip-0.5ex~plus~1fill
4840 }{
4841 %false
4842 % \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{\hfill}}{}
4843 \hfill
4844 }%
4845 }
4846 % Centering the bullet bar
4847 % \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{ \box\beamer@section
4848 \renewcommand{\gothamPatchInsertNav}{
4849 \box\beamer@sectionbox\hfill\hskip.3cm
4850 }
4851 %% Remove hfill between sections => flush right bullet bar, if not corrected.
4852 % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}}{}
4853 \renewcommand{\gothamPatchSectionentry}{
4854 \hskip~3.5ex
4855 }
4856 },
4857 mini~frames~nav~spreading / left .code:n = {
4858 %
4859 \renewcommand{\gothamInsertNavlength}{
4860 \ifbool{gothamZerosectionframes}{
4861 %true
4862 % flush left +patch sectionenty
4863 \hskip-0.5ex
4864 }{
4865 %false
4866 % no patch
4867 \hskip-1.875ex plus-1fill

```

```

4868   }%
4869   }
4870   % Centering the bullet bar : NO
4871   % no patch
4872   \renewcommand{\gothamPatchInsertNav}{
4873     \box\beamer@sectionbox\hfil\hskip.3cm
4874   }
4875   %% Remove hfill between sections => flush right bullet bar, if not corrected.
4876   % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4877   \renewcommand{\gothamPatchSectionentry}{
4878     \hskip~3.5ex
4879   }
4880 },
4881 mini~frames~nav~spreading / right .code:n = {
4882   %
4883   \renewcommand{\gothamInsertNavlength}{
4884     \ifbool{gothamZerosectionframes}{
4885       %true
4886       % flush right +patch sectionenty
4887       \hskip-0.5ex~plus~1fill
4888     }{
4889       %false
4890       % no patch
4891       \hskip-1.875ex plus-1fill
4892     }%
4893   }
4894   % Centering the bullet bar : NO
4895   % no patch
4896   \renewcommand{\gothamPatchInsertNav}{
4897     \box\beamer@sectionbox\hfil\hskip.3cm
4898   }
4899   %% Remove hfill between sections => flush right bullet bar, if not corrected.
4900   % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4901   \renewcommand{\gothamPatchSectionentry}{
4902     \hskip~3.5ex
4903   }
4904 },
4905 mini~frames~nav~spreading / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'
4906   }

```

(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*.

```

4907 \keys_define:nn { gotham / outer }{
4908 % mini~frames~nav~sectioning default
4909 mini~frames~nav~sectioning .choice:,
4910 mini~frames~nav~sectioning .usage:n = { general },
4911 mini~frames~nav~sectioning .default:n = { secsubsection },
4912
4913 mini~frames~nav~sectioning / none .code:n = {
4914 %
4915 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
4916 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
4917 \renewcommand{\gothamPatchSectionbox}{
4918 % patch to set section box height to 0.
4919 \ht\beamer@sectionbox=0pt
4920 \dp\beamer@sectionbox=0pt
4921 }
4922 },
4923 mini~frames~nav~sectioning / section .code:n = {
4924 %
4925 \__gotham_set_template:nn{section~in~head/foot~shaded}{default} %from Beamer
4926 \__gotham_set_template:nn{section~in~head/foot}{default} %from Beamer
4927 },
4928 mini~frames~nav~sectioning / secsubsection .code:n = {
4929 %
4930 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham-secSubsec}
4931 \__gotham_set_template:nn{section~in~head/foot}{default/gotham-secSubsec}
4932 },
4933
4934 mini~frames~nav~sectioning / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
4935 }

```

(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*.

```

4936 \tl_new:N \l__gotham_out_tmp_mfnposi_tl
4937 \tl_new:N \l__gotham_out_tmp_pbar_tl
4938 \keys_define:nn { gotham / outer }{
4939 % mini~frames~nav~position default
4940 mini~frames~nav~position .choice:,
4941 mini~frames~nav~position .usage:n = { general },
4942 mini~frames~nav~position .default:n = { none },

```

```

4943
4944 mini~frames~nav~position / none .code:n = {
4945 %
4946 % reset if it has modified by another progressbar strategy
4947 % \__gotham_set_prop_template:nn{sidebar~canvas~right/default}#{#1}
4948 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {none}
4949
4950 % head
4951 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4952 % True: nothing to do it is already occupied.
4953 }{
4954 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headlin
4955 }
4956 % frametitle
4957 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4958 % % True: nothing to do it is already occupied.
4959 % }{
4960 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fra
4961 % }
4962 % foot
4963 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4964 % True: nothing to do it is already occupied.
4965 }{
4966 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footlin
4967 }
4968 % left
4969 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4970 % True: nothing to do it is already occupied.
4971 }{
4972 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {sid
4973 }
4974 % right
4975 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4976 % True: nothing to do it is already occupied.
4977 }{
4978 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4979 }
4980 },
4981 mini~frames~nav~position / head .code:n = {
4982 %
4983 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
4984 % True: nothing to do it is already done.
4985 }{

```

```

4986 % False : remember that choice in order to do not apply it several time and add to beamer
4987 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {head}
4988
4989 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4990   % True: nothing to do it is already occupied.
4991 }{
4992   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4993 }
4994 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4995 % % True: nothing to do it is already occupied.
4996 % }{
4997 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4998 % }
4999 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5000   % True: nothing to do it is already occupied.
5001 }{
5002   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5003 }
5004 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5005   % True: nothing to do it is already occupied.
5006 }{
5007   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5008 }
5009 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5010   % True: nothing to do it is already occupied.
5011 }{
5012   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5013 }
5014
5015 %
5016 \addtoeamertemplate{headline}{}{
5017   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5018     \usebeamertemplate*{mini~nav~progress~head/foot}
5019   }{}
5020 }
5021 }
5022 },
5023 mini~frames~nav~position / foot .code:n = {
5024 %
5025 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5026   % True: nothing to do it is already done.
5027 }{
5028   % False : remember that choice in order to do not apply it several time and add to beamer

```

```

5029 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {foot}
5030
5031 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5032   % True: nothing to do it is already occupied.
5033 }{
5034   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5035 }
5036 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5037 % % True: nothing to do it is already occupied.
5038 % }{
5039 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
5040 % }
5041 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5042   % True: nothing to do it is already occupied.
5043 }{
5044   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5045 }
5046 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5047   % True: nothing to do it is already occupied.
5048 }{
5049   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5050 }
5051 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5052   % True: nothing to do it is already occupied.
5053 }{
5054   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5055 }
5056
5057 \addtobeamertemplate{footline}{}{
5058   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5059     \usebeamertemplate*{mini~nav~progress~head/foot}
5060   }{}
5061 }
5062 }
5063 },
5064 mini~frames~nav~position / left .code:n = {
5065 %
5066 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5067   % True: nothing to do it is already done.
5068 }{
5069   % False : remember that choice in order to do not apply it several time and add to beamer
5070   \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {left}
5071

```

```

5072 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5073   % True: nothing to do it is already occupied.
5074 }{
5075   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5076 }
5077 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5078 % % True: nothing to do it is already occupied.
5079 % }{
5080 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
5081 % }
5082 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5083   % True: nothing to do it is already occupied.
5084 }{
5085   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5086 }
5087 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5088   % True: nothing to do it is already occupied.
5089 }{
5090   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5091 }
5092 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5093   % True: nothing to do it is already occupied.
5094 }{
5095   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5096 }
5097
5098 %
5099 \addtobeamertemplate{sidebar~left}{}{
5100 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5101   \usebeamertemplate*{mini~nav~progress~left}
5102   }{}
5103 }
5104 }
5105 },
5106 mini~frames~nav~position / right .code:n = {
5107 %
5108 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5109   % True: nothing to do it is already done.
5110 }{
5111   % False : remember that choice in order to do not apply it several time and add to beamer
5112   \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {right}
5113
5114 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {

```



```

5115     % True: nothing to do it is already occupied.
5116   }{
5117     \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5118   }
5119   % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5120   % % True: nothing to do it is already occupied.
5121   % }{
5122   % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
5123   % }
5124   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5125     % True: nothing to do it is already occupied.
5126   }{
5127     \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5128   }
5129   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5130     % True: nothing to do it is already occupied.
5131   }{
5132     \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5133   }
5134   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5135     % True: nothing to do it is already occupied.
5136   }{
5137     \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5138   }
5139
5140   %
5141   \addtobeamertemplate{sidebar~right}{}{
5142     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5143       \usebeamertemplate*{mini~nav~progress~right}
5144     }{}
5145   }
5146   }
5147   },
5148
5149   mini~frames~nav~position / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~
5150   }

```

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

Progress bar

`\gothamProgressHeadFootLineheight` Lengths used in tikz rectangle.

```

5151 \newlength{\gotham@progressinheadfoot}
5152 \newlength{\gothamProgressHeadFootLineheight}

```

5153 `\setlength{\gothamProgressHeadFootLineheight}{1.2ex}`

(End of definition for `\gothamProgressHeadFootLineheight`. This variable is documented on page 42.)

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

5154 `\bool_new:N \l_gotham_ProgCircleMoving_bool`

5155 `\bool_set_true:N \l_gotham_ProgCircleMoving_bool`

5156

5157 `\bool_new:N \l_gotham_progbar_advancement_tlbr_bool`

5158 `\bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool`

5159

5160 `\bool_new:N \l_gotham_pmf_n_bool`

5161 `\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 42.)*

`_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.

```
5162 % #1: 'linewidth'
5163 \cs_new_protected:Npn \_gotham_rectangle_box_progressbar:n #1
5164 {
5165 %
5166 \setlength{\gotham@progressinheadfoot}{
5167 #1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
5168 }
5169
5170 %
5171 \begin{beamercolorbox}[wd=#1]{progress~bar~in~head/foot}
5172 \begin{tikzpicture}
5173 \usebeamercolor{progress~bar~in~head/foot}
5174
5175 % gray rectangle in the background.
5176 \fill[color=progress~bar~in~head/foot.bg]
5177 (0pt, 0pt) rectangle ++ (#1, \gothamProgressHeadFootLineheight)
5178 ;
5179
5180 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
5181 % from left to right
5182 % orange rectangle progressing
5183 \fill[color=progress~bar~in~head/foot.fg]
5184 (0pt, 0pt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
5185 ;
5186 }{
5187 % from right to left
5188 % orange rectangle progressing
5189 \fill[color=progress~bar~in~head/foot.fg]
5190 (#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\gothamProgressHeadFootLineheight)
5191 ;
5192 }
5193
5194 \bool_if:NTF \l_gotham_pmf_n_bool {
5195 % progress miniframes navigation is on.
5196 \node at (#1/2, \gothamProgressHeadFootLineheight/2)
5197 [text~height=0.1pt, text~depth=0.05pt, inner~sep=0pt] %draw=red,
5198 {
5199 \usebeamercolor[fg]{normal~text}
5200 % \fontsize{3.5pt}{0pt}\selectfont
5201 \raisebox{0.5\gothamProgressHeadFootLineheight+1.4pt}[0pt][0pt]{
5202 %\dohead
5203 \hfuzz=#1
5204 \insertnavigation{#1}
5205 }
5206 }
```

`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.

```
5215 \defbeamertemplate{progress-bar-in-head/foot}{gotham-rectangle}{
5216   \nointerlineskip
5217   \_gotham_rectangle_box_progressbar:n {\paperwidth}
5218 }
```

(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.

```
5219 \defbeamertemplate{progress-bar-in-left}{gotham-rectangle}{
5220   \nointerlineskip
5221
5222   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
5223   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppadding+\gothamFrametitleBot
5224
5225   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
5226
5227   \vspace{0.12275\paperheight}
5228   \rotatebox{90}{
5229     \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
5230   }
5231 }
5232 \defbeamertemplate{progress-bar-in-right}{gotham-rectangle}{
5233   \nointerlineskip
5234
5235   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
5236   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppadding+\gothamFrametitleBot
5237
5238   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
5239
5240   \hspace{-\gothamProgressHeadFootLineheight}
5241   \vspace{\gotham@temp@heightFrametitle-27.75pt}
5242   \rotatebox{-90}{
5243     \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
5244   }
5245 }
```

(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.

```
5246 % #1: 'linewidth'
5247 % #2: ratio of the progress bar
5248 % #3: colorbox name
5249 % #4: command for percent of progress
5250 \cs_new_protected:Npn \_gotham_rounded_box_progressbar:nnnn #1#2#3#4
5251 {
5252   \setlength{\gotham@progressinheadfoot}{
5253     #2#1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
5254   }
5255
5256 % 1.035\gothamProgressHeadFootLineheight is to include the border inside the box.
5257 \begin{beamercolorbox}[wd=#1, ht=1.035\gothamProgressHeadFootLineheight]{#3}
5258   \; \hfill
5259   %\tikzexternaldisable%
5260   \begin{tikzpicture}[rounded~corners=0.5\gothamProgressHeadFootLineheight, very~thin]
5261     \usebeamercolor{progress~bar~in~head/foot}
5262
5263     % gray rectangle in the background.
5264     \shade[top~color=progress~bar~in~head/foot.bg!65, bottom~color=progress~bar~in~head/foot.
5265       (Opt, Opt) rectangle ++ (#2#1, \gothamProgressHeadFootLineheight)
5266     ;
5267
5268     \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
5269       % from left to right
5270       % orange rectangle progressing
5271       \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
5272         (Opt, Opt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
5273       ;
5274     }{
5275       % from right to left
5276       % orange rectangle progressing
5277       \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
5278         (#2#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\
5279       ;
5280     }
5281
5282     \bool_if:NTF \l_gotham_pmf_n_bool {
5283       % progress miniframes navigation is on.
5284       \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.

```
5306 \defbeamertemplate{progress-bar-in-head/foot}{gotham-rounded-box}{
5307   \nointerlineskip
5308   \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.93}{footline}{
5309     \hfill
5310     \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
5311       \fontsize{5pt}{0pt}\selectfont
5312       \usebeamercolor[fg]{normal~text}
5313       \fp_eval:n {round(\insertframenumbers*100/\inserttotalframenumbers,0)}\,%
5314     }
5315   }
5316   % \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.53}{progress-bar-in-head/foot}{
5317 }
```

(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.

```
5318 \defbeamertemplate{progress-bar-in~left}{gotham-rounded~box}{
5319   \nointerlineskip
5320
5321   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
5322   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppadding+\gothamFrametitleBot
5323
5324   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-
5325
5326   \vspace{0.12275\paperheight}
5327   % \hspace{\gothamProgressHeadFootLineheight}
5328   \rotatebox{90}{
5329     \_gotham_rounded_box_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline
5330     \hfill
5331     \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
5332       \fontsize{5pt}{0pt}\selectfont
5333       \fp_eval:n {round(\insertframenumbers*100/\inserttotalframenumbers,0)}\,%
5334     }
5335   }
5336 }
```

```

5337 }
5338 \defbeamertemplate{progress-bar-in-right}{gotham-rounded-box}{
5339 \nointerlineskip
5340
5341 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
5342 \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
5343
5344 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
5345
5346 \hspace{-\gothamProgressHeadFootLineheight-0.2pt}
5347 \vspace{\gotham@temp@heightFrametitle-27.75pt}
5348 \rotatebox{-90}{
5349 \_gotham\_rounded\_box\_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline
5350 \hfill
5351 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
5352 \fontsize{5pt}{0pt}\selectfont
5353 \fp_eval:n {round(\insertframenummer*100/\inserttotalframenummer,0)}\,\,\%
5354 }
5355 }
5356 }
5357 }

```

(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`

```

5358 %the height of the header is 1.8 times the lineheight of the frame title
5359 \newlength{\gothamProgressCircHeight}
5360 \setlength{\gothamProgressCircHeight}{1.8\baselineskip}
5361 %\setlength{\gothamProgressCircHeight}{2\baselineskip}
5362 \newlength{\gothamCounterCircleRadius}
5363 \setlength{\gothamCounterCircleRadius}{1.12ex}
5364 % width of the border
5365 \newlength{\gothamProgressCircBorderWidth}
5366 \setlength{\gothamProgressCircBorderWidth}{1.65mm}
5367
5368 %% Induced length used internally, but can still be tuned manually by inspired people.
5369 % radius of the logo
5370 \newlength{\gothamProgressCircLogoRadius}
5371 \setlength{\gothamProgressCircLogoRadius}{1.2\gothamProgressCircHeight/2}
5372 % inner radius of border of the logo frame
5373 \newlength{\gothamProgressCircLogoInnerRadius}
5374 \setlength{\gothamProgressCircLogoInnerRadius}{1.1\gothamProgressCircLogoRadius}

```



```

5375 % radius of the outer border of the logo frame
5376 \newlength{\gothamProgressCircLogoOuterRadius}
5377 \setlength{\gothamProgressCircLogoOuterRadius}{\gothamProgressCircLogoInnerRadius+\gothamPro
5378 % radius of the counters
5379 \newlength{\gothamCounterRadius}
5380 \setlength{\gothamCounterRadius}{\gothamProgressCircLogoInnerRadius/2+\gothamProgressCircLogo

```

(End of definition for `\gothamProgressCircHeight`, `\gothamCounterCircleRadius`, and `\gothamProgressCircBorderWidth`.
These variables are documented on page 42.)

`\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.

```

5381 % \fp_new:N \l_gotham_ratio_progress_fp
5382 \fp_new:N \l_gotham_ratio_progresscircle_fp
5383 % the angle token by the counter radius
5384 \fp_new:N \l_gotham_angle_counterradius_fp
5385 % requires xfp for asind
5386 \fp_set:Nn \l_gotham_angle_counterradius_fp {
5387   \fpeval{ 2* asind (\gothamCounterCircleRadius / (2*\gothamCounterRadius)) }
5388 }

```

(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`.

```

5389 \providecommand{\gothamInstituteLogoCircle}[1][4ex]{
5390   \includegraphics[height=#1]{gotham-logo.pdf}
5391 }

```

`\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`.

```
5392 \providecommand{\gothamProgressCircle}{
5393 % \tikzexternaldisable
5394 \begin{tikzpicture}[remember~picture,overlay]
5395 % Load colors
5396 \usebeamercolor{standin}
5397 \usebeamercolor{frametitle}
5398 \usebeamercolor{progress~bar~in~head/foot}
5399
5400 % Define center
5401 \coordinate (localCenter);
5402 % draw the outer circle
5403 \fill[fill=progress~bar~in~head/foot.bg] (localCenter) circle (\gothamProgressCircLogoRadius);
5404 % draw the inner circle
5405 \fill[fill=frametitle.bg] (localCenter) circle (\gothamProgressCircLogoInnerRadius);
5406 \node at (localCenter) {\gothamInstituteLogoCircle[1.9\gothamProgressCircLogoRadius]};
5407
5408 %% draw progress circle/bar
5409 \bool_if:NTF \l_gotham_ProgCircleMoving_bool {
5410 % the circular counter with a moving counter
5411
5412 %% compute the angle for the progress circle
5413 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
5414 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {-(360)*\insertframenummer/\inserttotalframes}
5415 }{
5416 %\else% clockwise rotation
5417 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {(360)*(\insertframenummer/\inserttotalframes)}
5418 }
5419 %\fi
5420
5421 % draw the arc progress bar
5422 \draw[
5423 color=progress~bar~in~head/foot.fg,
5424 line~width=0.6*\gothamProgressCircBorderWidth
5425 ]
5426 (localCenter)
5427 ++
5428 ([
5429 xshift=\gothamCounterRadius
5430 ]localCenter)
5431 arc[
5432 radius=\gothamCounterRadius, 202
5433 start~angle=0,
5434 end~angle={\fp_eval:n \l_gotham_ratio_progresscircle_fp}
5435 ]
5436 ;
5437
5438 % 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.

```
5548 % token list to remember what is the current state
5549 % \tl_new:N \l__gotham_out_tmp_pbar_tl
5550 \keys_define:nn { gotham / outer }{
5551 % progressbar~position default
5552 progressbar~position .choice:,
5553 progressbar~position .usage:n = { general },
5554 progressbar~position .default:n = { none },
5555
5556 progressbar~position / none .code:n = {
5557 % reset if it has modified by another progressbar~position strategy
5558 % \__gotham_set_prop_template:nn{sidebar~canvas~right/default}{#1}
5559 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {none}
5560
5561 % head
5562 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5563 % True: nothing to do it is already occupied.
5564 }{
5565 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headlin
5566 }
5567 % frametitle
5568 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5569 % % True: nothing to do it is already occupied.
5570 % }{
5571 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {frame
5572 % }
5573 % foot
5574 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5575 % True: nothing to do it is already occupied.
5576 }{
5577 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footlin
5578 }
5579 % left
5580 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5581 % True: nothing to do it is already occupied.
5582 }{
5583 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {sid
5584 }
5585 % right
5586 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5587 % True: nothing to do it is already occupied.
```

```

5588 }{
5589   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5590 }
5591
5592 % logo
5593 \__gotham_set_prop_template:nn{includeLogo/default}{gotham~square}
5594 % section in head
5595 \setbeamertemplate{section~in~head/foot~shaded}[default/\prop_item:Nn \l__gotham_template_
5596 \setbeamertemplate{section~in~head/foot}[default/\prop_item:Nn \l__gotham_template_name_pr
5597 },
5598 progressbar~position / head .code:n = {
5599   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5600     % True: nothing to do it is already done.
5601   } {
5602     % False : remember that choice in order to do not apply it several time and add to beamer
5603     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {head}
5604
5605     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5606       % True: nothing to do it is already occupied.
5607     }{
5608       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5609     }
5610     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5611     % % True: nothing to do it is already occupied.
5612     % }{
5613     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5614     % }
5615     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5616       % True: nothing to do it is already occupied.
5617     }{
5618       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5619     }
5620     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5621       % True: nothing to do it is already occupied.
5622     }{
5623       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5624     }
5625     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5626       % True: nothing to do it is already occupied.
5627     }{
5628       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5629     }
5630

```

```

5631 %
5632 \addtobeamertemplate{headline}{\{
5633   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5634     \usebeamertemplate*{progress-bar-in-head/foot}
5635   }\}
5636 }
5637 }
5638 },
5639 progressbar~position / frametitle .code:n = {
5640   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5641     % True: nothing to do it is already done.
5642   } {
5643     % False : remember that choice in order to do not apply it several time and add to beamer
5644     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {frametitle}
5645
5646     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5647       % True: nothing to do it is already occupied.
5648     }\{
5649       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5650     }
5651     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5652     % % True: nothing to do it is already occupied.
5653     % }\{
5654     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5655     % }
5656     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5657       % True: nothing to do it is already occupied.
5658     }\{
5659       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5660     }
5661     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5662       % True: nothing to do it is already occupied.
5663     }\{
5664       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5665     }
5666     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5667       % True: nothing to do it is already occupied.
5668     }\{
5669       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5670     }
5671
5672 %
5673 \addtobeamertemplate{frametitle}{\{

```

```

5674 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5675 \usebeamertemplate*{progress~bar~in~head/foot}
5676 }{}
5677 }
5678 }
5679 },
5680 progressbar~position / foot .code:n = {
5681 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5682 % True: nothing to do it is already done.
5683 } {
5684 % False : remember that choice in order to do not apply it several time and add to beamer
5685 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {footline}
5686
5687 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5688 % True: nothing to do it is already occupied.
5689 }{
5690 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5691 }
5692 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5693 % % True: nothing to do it is already occupied.
5694 % }{
5695 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5696 % }
5697 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5698 % True: nothing to do it is already occupied.
5699 }{
5700 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5701 }
5702 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5703 % True: nothing to do it is already occupied.
5704 }{
5705 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5706 }
5707 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5708 % True: nothing to do it is already occupied.
5709 }{
5710 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5711 }
5712
5713 %
5714 \addtobeamertemplate{footline}{}{
5715 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5716 \usebeamertemplate*{progress~bar~in~head/foot}

```

```

5717     }{}
5718   }
5719 }
5720 },
5721 progressbar~position / circlehead .code:n = {
5722 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5723   % True: nothing to do it is already done.
5724 } {
5725   % False : remember that choice in order to do not apply it several time and add to beamer
5726 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {circlehead}
5727
5728 %
5729 %%\prop_put:Nnn \l__gotham_template_name_SAVE_prop {includeLogo/default} {gotham~square}
5730 \__gotham_set_prop_template:nn{includeLogo/default}{gotham~circle}
5731 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham~secSubsec}
5732 \__gotham_set_template:nn{section~in~head/foot}{default/gotham~secSubsec}
5733 % \__gotham_set_template:nn{headline}{default/gotham~section}
5734 % \setbeamertemplate{headline}[default/gotham~section]
5735
5736 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5737   % True: it is already occupied, so let's emulate the gotham section
5738 \addtobeamertemplate{headline}{}{
5739   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5740     \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
5741       \usebeamerfont{section~in~head/foot}\hspace*{3.5ex}
5742       \usebeamertemplate{section~in~head/foot}
5743     \end{beamercolorbox}
5744   }{}
5745 }
5746 }{
5747   % \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {head
5748 \__gotham_set_template:nn{headline}{default/gotham~section}
5749 }
5750 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5751 % % True: nothing to do it is already occupied.
5752 % }{
5753 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5754 % }
5755 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5756   % True: nothing to do it is already occupied.
5757 }{
5758 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5759 }

```

```

5760 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5761   % True: nothing to do it is already occupied.
5762 }{
5763   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5764 }
5765 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5766   % True: nothing to do it is already occupied.
5767 }{
5768   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5769 }
5770 }
5771 },
5772 progressbar~position / left .code:n = {
5773 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5774   % True: nothing to do it is already done.
5775 } {
5776   % False : remember that choice in order to do not apply it several time and add to beamer
5777   \tl_set:Nn \l__gotham_out_tmp_pbar_tl {left}
5778
5779 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5780   % True: nothing to do it is already occupied.
5781 }{
5782   \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5783 }
5784 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5785 % % True: nothing to do it is already occupied.
5786 % }{
5787   \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5788 % }
5789 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5790   % True: nothing to do it is already occupied.
5791 }{
5792   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5793 }
5794 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5795   % True: nothing to do it is already occupied.
5796 }{
5797   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5798 }
5799 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5800   % True: nothing to do it is already occupied.
5801 }{
5802   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s

```



```

5803 }
5804
5805 %
5806 \addtoeamertemplate{sidebar~left}{}{
5807   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5808     \usebeamertemplate*{progress~bar~in~left}
5809   }{}
5810 }
5811 }
5812 },
5813 progressbar~position / right .code:n = {
5814   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5815     % True: nothing to do it is already done.
5816   } {
5817     % False : remember that choice in order to do not apply it several time and add to beamer
5818     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {right}
5819
5820     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5821       % True: nothing to do it is already occupied.
5822     }{
5823       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5824     }
5825     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5826     % % True: nothing to do it is already occupied.
5827     % }{
5828     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5829     % }
5830     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5831       % True: nothing to do it is already occupied.
5832     }{
5833       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5834     }
5835     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5836       % True: nothing to do it is already occupied.
5837     }{
5838       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5839     }
5840     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5841       % True: nothing to do it is already occupied.
5842     }{
5843       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5844     }
5845

```

```

5846 %
5847 \addtoeamertemplate{sidebar-right}{}{
5848 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5849 \usebeamertemplate*{progress-bar-in-right}
5850 }{}
5851 }
5852 }
5853 },
5854
5855 progressbar~position / unknown .code:n = { \PackageWarning{ gotham } { The-choice-`#1'~is-unknown } }
5856 }

```

(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*.

```

5857 % token list to remember what is the current state
5858 \keys_define:nn { gotham / outer }{
5859 % progressbar~style default
5860 progressbar~style .choice:,
5861 progressbar~style .usage:n = { general },
5862 progressbar~style .default:n = { rectangle },
5863
5864 progressbar~style / rectangle .code:n = {
5865 %
5866 % \defbeamertemplate*{progress-bar-in-head/foot}{gotham-rectangle}
5867 \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rectangle}
5868 \__gotham_set_template:nn{progress-bar-in-left}{gotham-rectangle}
5869 \__gotham_set_template:nn{progress-bar-in-right}{gotham-rectangle}
5870 },
5871
5872 progressbar~style / rounded-box .code:n = {
5873 %
5874 \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rounded-box}
5875 \__gotham_set_template:nn{progress-bar-in-left}{gotham-rounded-box}
5876 \__gotham_set_template:nn{progress-bar-in-right}{gotham-rounded-box}
5877 },
5878
5879 progressbar~style / moving-circle .code:n = {
5880 %
5881 \bool_set_true:N \l_gotham_ProgCircleMoving_bool
5882 },
5883

```

```

5884 progressbar~style / fixed~circle .code:n = {
5885   %
5886   \bool_set_false:N \l_gotham_ProgCircleMoving_bool
5887 },
5888
5889 progressbar~style / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unkn
5890 }

```

(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*.

```

5891 % token list to remember what is the current state
5892 \keys_define:nn { gotham / outer }{
5893 % progressbar~advancement default
5894 progressbar~advancement .choice:,
5895 progressbar~advancement .usage:n = { general },
5896 progressbar~advancement .default:n = { tlbr },
5897
5898 progressbar~advancement / tlbr .code:n = {
5899   %
5900   \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5901 },
5902 progressbar~advancement / TLBR .code:n = {
5903   %
5904   \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5905 },
5906
5907 progressbar~advancement / brlt .code:n = {
5908   %
5909   \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool
5910 },
5911 progressbar~advancement / BRLT .code:n = {
5912   %
5913   \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool
5914 },
5915
5916 progressbar~advancement / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~i
5917 }

```

(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*.

```
5918 % token list to remember what is the current state
5919 \keys_define:nn { gotham / outer }{
5920 % progressbar~mfn default
5921 progressbar~mfn .choice:,
5922 progressbar~mfn .usage:n = { general },
5923 progressbar~mfn .default:n = { off },
5924
5925 progressbar~mfn / true .code:n = {
5926 \bool_set_true:N \l_gotham_pmf_n_bool
5927
5928 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5929 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5930 \renewcommand{\gothamPatchSectionbox}{
5931 % patch to set section box height to 0.
5932 \ht\beamer@sectionbox=0.ex
5933 \dp\beamer@sectionbox=0.ex
5934 }
5935 },
5936 progressbar~mfn / on .code:n = {
5937 \bool_set_true:N \l_gotham_pmf_n_bool
5938
5939 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5940 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5941 \renewcommand{\gothamPatchSectionbox}{
5942 % patch to set section box height to 0.
5943 \ht\beamer@sectionbox=0.ex
5944 \dp\beamer@sectionbox=0.ex
5945 }
5946 },
5947 progressbar~mfn / enable .code:n = {
5948 \bool_set_true:N \l_gotham_pmf_n_bool
5949
5950 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5951 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5952 \renewcommand{\gothamPatchSectionbox}{
5953 % patch to set section box height to 0.
5954 \ht\beamer@sectionbox=0.ex
5955 \dp\beamer@sectionbox=0.ex
5956 }
5957 },
5958
5959 progressbar~mfn / false .code:n = { \bool_set_false:N \l_gotham_pmf_n_bool },
```

```

5960 progressbar~mfn / off .code:n = { \bool_set_false:N \l_gotham_pmf_n_bool },
5961 progressbar~mfn / disable .code:n = { \bool_set_false:N \l_gotham_pmf_n_bool },
5962
5963 progressbar~mfn / unknown .code:n = { \PackageWarning{ gotham } { The-choice-`#1'-is-unknown } }
5964 }

```

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

Default_outer_keys Apply default key options.

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

```

5965 % when no value is given, default is called.
5966 \keys_set:nn { gotham / outer } {
5967   sidebar~canvas~right~template, sidebar~canvas~left~template,
5968   edging~default,
5969   frametitle~template, framesubtitle~template, frametitle~continuation~template,
5970   numbering,
5971   rotateFooter~default,
5972   footer~template,
5973   mini~frames~shape, mini~frames~bundle,
5974   mini~frames~compress,
5975   mini~frames~nav~spreading,
5976   mini~frames~nav~sectioning,
5977   mini~frames~nav~position,
5978   progressbar~position, progressbar~style, progressbar~advancement, progressbar~mfn,
5979 }

```

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

Process_outer_keys Process package options.

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

```

5980 \ProcessKeyOptions[ gotham / outer ]
5981 % \mode<all>

```

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

```

5982 %\endinput
5983 </outer>

5984 <*package>
5985 \RequirePackage{expl3}
5986 % \RequirePackage{ifxetex}

```

```

5987 % \RequirePackage{ifluatex}
5988 % \RequirePackage{etoolbox}
5989 % \RequirePackage{xcolor}
5990 % \RequirePackage{tikz}
5991 % \RequirePackage{calc} % I think I can remove it with a bit of work
5992 % \RequirePackage{xfp}

5993 %%%%%%%%%%%
5994 %%%%%%%%%%% PACKAGE %%%%%%%%%%%
5995 %%%%%%%%%%%
5996 %
5997 %

```

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

```

5998
5999 %
6000 \usefonttheme{gotham}
6001 \usecolortheme{gotham}
6002 \useinnertheme{gotham}
6003 \useoutertheme{gotham}
6004 %
6005 %
6006 %
6007
6008 %%%% Setting keys %%%%
6009
6010 % set new counter for how many time the lookup is used
6011 \int_new:N \l_gotham_lookup_cnt
6012 \int_set:Nn \l_gotham_lookup_cnt {0}
6013
6014 \seq_const_from_clist:Nn \c__gotham_load_submodules_seq { font, color, inner, outer }
6015
6016 \cs_new_protected:Npn \__gotham_lookup_keymodules:nn #1#2
6017 {
6018   \int_incr:N \l_gotham_lookup_cnt
6019   % \int_show:n \l_gotham_lookup_cnt
6020
6021   % if lookup counter is lower than the number of submodules-1 [before it was +1, not complet
6022   \if_int_compare:w \l_gotham_lookup_cnt < 2
6023     %true : do nothing
6024   \else:
6025     % \int_show:n \l_gotham_lookup_cnt
6026     \seq_map_inline:Nn \c__gotham_load_submodules_seq

```

```

6027 {
6028   \keys_if_exist:nnT { gotham / ##1 } {#1}
6029   {
6030     % missing feature in l3keys, we have no better way to detect an omitted value, so we hav
6031     \tl_if_empty:nTF {#2}
6032     { \keys_set:nn { gotham / ##1 } { #1 } }
6033     { \keys_set:nn { gotham / ##1 } { #1 = {#2} } }
6034     \prg_break:
6035   }
6036 }
6037 \msg_error:nnn { gotham } { unknown-key } {#1}
6038 \prg_break_point:
6039 \fi:
6040 }
6041 \cs_generate_variant:Nn \__gotham_lookup_keymodules:nn { Vn }
6042 \msg_new:nnn { gotham } { unknown-key } { Unknown~ key~ #1~ encountered. }
6043
6044 % Property list for all groups.
6045 \prop_new:N \l__gotham_all_all_user_keys_prop
6046 \prop_const_from_keyval:Nn \c__gotham_all_pkg_keys_prop {}
6047
6048 \keys_define:nn { gotham / all / all }
6049 {
6050   unknown .code:n =
6051   { \__gotham_lookup_keymodules:Vn \l_keys_key_str {#1} }
6052 }
6053
6054 % Set default keys/options from keyval
6055 % \__gotham_set_default_from_keyval: variant, keyval, group command
6056 \cs_new_protected:Npn \__gotham_set_default_from_keyval:nnn #1 #2 #3
6057 { %%
6058 % Check if keyvalues have been given.
6059 \tl_if_novalue:nTF {#2}
6060 { % no user keys given so _user_keys_prop is taking pkg prop
6061   \prop_set_eq:cc { l__gotham_#3_#1_user_keys_prop } { c__gotham_#3_pkg_keys_prop }
6062 } { % user key given and put it in prop
6063   \prop_put_from_keyval:cn { l__gotham_#3_#1_user_keys_prop } {#2}
6064 } % end if
6065 %
6066 % xx
6067 \__gotham_set_default_auxi:cnn { l__gotham_#3_#1_user_keys_prop } {#1} {#3}
6068 %
6069 % xx

```

```

6070 \keys_set:nn { gotham/#3/#1 } { default }
6071 }
6072 %
6073 % prop-key-val, variant, group command
6074 \cs_new_protected:Npn \__gotham_set_default_auxi:Nnn #1 #2 #3
6075 {
6076 \__gotham_set_default_auxii:fnn { \prop_to_keyval:N #1 } {#2} {#3}
6077 }
6078 \cs_generate_variant:Nn \__gotham_set_default_auxi:Nnn { c }
6079 %
6080 % key-val, variant, group command
6081 \cs_new_protected:Npn \__gotham_set_default_auxii:nnn #1 #2 #3
6082 {
6083 \keys_define:nn { gotham/#3/#2 } { default .meta:n = {#1} }
6084 }
6085 \cs_generate_variant:Nn \__gotham_set_default_auxii:nnn { f }
6086 %
6087 %
6088 % (re)set keys/options by default for a group of commands.
6089 % \gothamset m:options:#1
6090 \DeclareDocumentCommand{\gothamset}{m}
6091 {
6092 \__gotham_set_default_from_keyval:nnn { all } {#1} { all }
6093 \keys_set:nn { gotham/all/all } { default }
6094 }
6095
6096 \def\gotham@plaintitleformat#1{#1}
6097 \providecommand{\mreducelistspacing}{\vspace{-\topsep}}
6098
6099 \ProcessOptionsBeamer
6100 \keys_define:nn { gotham / font }
6101 {
6102 unknown .code:n =
6103 {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
6104 }
6105 \keys_define:nn { gotham / color }
6106 {
6107 unknown .code:n =
6108 {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
6109 }
6110 \keys_define:nn { gotham / inner }
6111 {
6112 unknown .code:n =

```



```
6113 {\_gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
6114 }
6115 \keys_define:nn { gotham / outer }
6116 {
6117   unknown .code:n =
6118   {\_gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
6119 }
6120
6121 \ProcessKeyOptions[ gotham / font ]
6122 \ProcessKeyOptions[ gotham / color ]
6123 \ProcessKeyOptions[ gotham / inner ]
6124 \ProcessKeyOptions[ gotham / outer ]
6125
6126 %
```

`\gothamreset`

`#1 : height of the picture`

Command to be redefined by users.

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

```
6127 \DeclareDocumentCommand{\gothamreset}{m}{
6128 % commands
6129 \renewcommand{\gothamInstituteLogoSquare}[1][4ex]{ }
6130 \renewcommand{\gothamInstituteLogoCircle}[1][4ex]{ }
6131 \renewcommand{\gothamHookPostColorBGSet}{
6132 \colorlet{colorStandout}{colorA}
6133 \colorlet{colorFrametitle}{colorA}
6134 \colorlet{colorProgBar}{colorC}
6135 \setbeamercolor{frametitle}{
6136 use=primary~palette,
6137 parent=primary~palette,
6138 bg=colorFrametitle,
6139 fg=colorBG
6140 }
6141 \setbeamercolor{standout}{bg=colorStandout, fg=colorPale}
6142 }
6143 \renewcommand{\gothamTitlePageLogo}{}
6144 \renewcommand{\gothamTitlePageBg}{}
6145 \renewcommand{\gothamRightFiligrane}{}
6146 \renewcommand{\gothamLeftFiligrane}{}
6147 \renewcommand{\gothamHookFooter}{}
6148
6149 % lengths
6150 \setlength{\gothamProgressSectionHeight}{3pt}
6151 \setlength{\sectionhoffset}{0pt}
6152 \setlength{\sidebarRightHOffset}{-2.5ex}
6153 \setlength{\sidebarLeftHOffset}{+0.5ex}
6154 \setlength{\gothamFrametitleToppading}{2.2ex}
6155 \setlength{\gothamFrametitleBottompadding}{2.2ex}
6156 \setlength{\gothamFrametitleLeftpadding}{2.2ex}
6157 \setlength{\gothamFrametitleRightpadding}{2.2ex}
6158 \setlength{\gothamFramesubtitleStrutend}{0pt}
6159 \setlength{\gothamFootlineVOffset}{-0.5ex}
6160 \setlength{\gothamFootlineDepth}{0.1ex}
6161 \setlength{\gothamFootlineHeight}{1.5ex}
6162 \setlength{\gothamFootlineHRightOffset}{\spaceskip}
6163 \setlength{\gothamHposLeftRotFooter}{-7pt}
6164 \setlength{\gothamHposRightRotFooter}{2pt}
6165 \setlength{\gothamVposLeftRotFooter}{15pt}
6166 \setlength{\gothamVposRightRotFooter}{15pt}
6167 \setlength{\gothamLeftFooterPadding}{2.0ex}
6168 \setlength{\gothamRightFooterPadding}{3.5ex}
6169 \setlength{\gothamFooterHOffset}{0pt}
6170 \setlength{\gothamFootlineRuleLeftPadding}{7mm}
6171 \setlength{\gothamFootlineRuleHeight}{0.0pt}
6172 \setlength{\gothamFootlineRuleLength}{15mm}
```

6183 `\endinput`
6184 `\package`

Change History

v0.2.0	v1.2.2
<code>font_messages</code> : New 44	General: fix when multiple options given 106–109
v1.2.0	reload all colors to apply changes
General: add hook after colorset . . 68–70	from users 68–70
<code>\defbeamertemplate*{footline}{default/gotham}</code>	v1.2.3
add <code>gothamFootlineHRightOffset</code> 163	<code>\defbeamertemplate{frame-footer}{default/gotham}</code> : change map and reload all colors from function 68–70
<code>\defbeamertemplate{frame-footer}{default/gotham}</code>	New 66
add hook <code>gothamHookFooter</code> and <code>gothamFootlineHRightOffset</code> . . . 168	reload all colors from function 66, 67
<code>\defbeamertemplate{title-page}{gotham-normal}</code>	<code>\defbeamertemplate{section-in-toc}{gotham-bullet}</code> : protect from interaction with minted 131
length of subtitle 81	<code>\defbeamertemplate{title-page}{gotham-normal}</code> : adapt margins 81
<code>\defbeamertemplate{title-page}{gotham-splitvertical}</code>	<code>\l_gotham_color_assignment_prop::</code> New 65
length of subtitle 87	v1.2.4
<code>\titlepage</code> : add vertically centered . 79	General: add <code>partintoc</code> 106
v1.2.1	<code>font_key_--_interface</code> : add subsubsection format and shape options 53
General: includes new variables 106–109	<code>\sectionentry</code> : change or add patches for parts,section, sub, subsubsec and all their 'section*'intoc 49
<code>\defbeamertemplate{section-in-toc}{gotham-bullet}</code>	
adapt shaded subsection in toc 131, 132	
<code>\subsubsectionpageOptions</code> : newly introduced 104	
<code>\subsubsectionpageTocOptions</code> : newly introduced 104	
<code>\subsubsectionTocOptions</code> : newly introduced 105	