

1 Commands description for users

```
1 <*font>
2 \ProvidesExplPackage{beamerfontthemegotham}{2025-11-04}{1.2.3.c}{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| m
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` Pre-hooks that will be inserted to control case format of titles in addition with the fonts
`titles_uformats` set.

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

```

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@frametitleformat#1{#1}
145 \def\gotham@framesubtitleformat#1{#1}
146 % IF ONE DAY: I can patch beamer with expl3, I will use the following commands instead.
147 % %% \cs_new:Npn \_gotham_unchanged:n #1 {#1}
148 % %% \cs_new:Npn \_gotham_title_format:n #1 {#1}
149 % %% \cs_new:Npn \_gotham_subtitle_format:n #1 {#1}
150 % %% \cs_new:Npn \_gotham_part_title_format:n #1 {#1}
151 % %% \cs_new:Npn \_gotham_section_title_format:n #1 {#1}
152 % %% \cs_new:Npn \_gotham_subsection_title_format:n #1 {#1}
153 % %% \cs_new:Npn \_gotham_frametitle_format:n #1 {#1}
154 % %% \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`.

```

155 \ExplSyntaxOff
156 \patchcmd{\beamer@title}
157   {\def\inserttitle{#2}}
158   {\def\inserttitle{\gotham@titleformat{#2}}}
159   % {\def\inserttitle{ \_gotham_title_format:n{#2} }}
160   {}
161   {\PackageError{beamerfontthemegotham}{Patching~title~failed}\@ehc}
162 \patchcmd{\beamer@subtitle}
163   {\def\insertsubtitle{#2}}
164   {\def\insertsubtitle{\gotham@subtitleformat{#2}}}
165   % {\def\insertsubtitle{ \_gotham_subtitle_format:n{#2} }}
166   {}

```

```

167 {\PackageError{beamerfontthemegotham}{Patching-subtitle-failed}\@ehc}
168 \patchcmd{\sectionentry} % beamerbasenavigation.sty 1.335
169 {\def\insertsectionhead{#2}}
170 {\def\insertsectionhead{\gotham@sectiontitleformat{#2}}}
171 {}
172 {\PackageError{beamerfontthemegotham}{Patching-section-title-failed}\@ehc}%
173 %
174 %% NOT WORKING YET!
175 %% \patchcmd{\subsectionentry} % beamerbasenavigation.sty 1.384
176 %% {\def\insertsubsectionhead{##5}}
177 %% {\def\insertsubsectionhead{\gotham@subsectiontitleformat{##5}}}
178 %% {}
179 %% {\PackageError{beamerfontthemegotham}{Patching-subsection-title-failed}\@ehc}%
180 %
181 \@tempwafalse
182 \patchcmd{\beamer@section} % beamerbasesection.sty 1. 209
183 {\def\insertsectionhead{\hyperlink{Navigation\the\c@page}{#1}}}
184 {\def\insertsectionhead{\hyperlink{Navigation\the\c@page}{\gotham@sectiontitleformat{#1}}}}
185 % \__gotham_section_title_format:n{#2}
186 {\@tempwatrue}
187 {}
188 \patchcmd{\beamer@section} % beamerbasesection.sty 1. 209
189 {\edef\insertsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\unexpanded{#1}}}}
190 {\edef\insertsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpand\gotham@sectio
191 % \exp_not:N \__gotham_section_title_format:n {#1}
192 {\@tempwatrue}
193 {}
194 \if@tempswa\else
195 {\PackageError{beamerfontthemegotham}{Patching-section-title-failed}\@ehc}
196 \fi
197 \@tempwafalse
198 %
199 %% NOT WORKING YET !
200 %% \patchcmd{\beamer@subsection} % beamerbasesection.sty 1. 209
201 %% {\def\insertsubsectionhead{\hyperlink{Navigation\the\c@page}{#1}}}
202 %% {\def\insertsubsectionhead{\hyperlink{Navigation\the\c@page}{\gotham@subsectiontitleforma
203 %% % \__gotham_subsection_title_format:n{#2}
204 %% {\@tempwatrue}
205 %% {}
206 %% \patchcmd{\beamer@subsection} % beamerbasesection.sty 1. 209
207 %% {\protected@edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{#1}}}
208 %% {\protected@edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpa
209 %% % \exp_not:N \__gotham_subsection_title_format:n {#1}
210 %% {\@tempwatrue}
211 %% {}
212 %% \if@tempswa\else
213 %% {\PackageError{beamerfontthemegotham}{Patching-subsection-title-failed}\@ehc}
214 %% \fi%
215 %% \@tempwafalse
216 %
217 %
218 % Similarly, to make the |\MakeLowercase| and |\MakeUppercase| macros work in the frame titl
219 \providecommand{\beamer@insertframetitlecontinuation}{
220 \usebeamertemplate*{frametitle-continuation}

```

```

221 }
222 \patchcmd{\beamer@frametitle} % beamerbaselocalstructure.sty 1. 32
223 {\gdef\insertframetitle{%
224 #2%
225 \ifnum\beamer@autobreakcount>0
226 \relax{}\space%
227 \beamer@insertframetitlecontinuation%
228 \fi%
229 }}%
230 }
231 {\gdef\insertframetitle{%
232 \gotham@frametitleformat{#2}%
233 % \__gotham_frametitle_format:n {#2}
234 \ifnum\beamer@autobreakcount>0
235 \relax{}\space%
236 \beamer@insertframetitlecontinuation%
237 \fi%
238 }}%
239 }
240 {}
241 {\PackageWarning{beamerfontthemegotham}{Patching~frametitle~failed}\@ehc}
242 %
243 %% NOT WORKING YET !
244 %% \patchcmd{\framesubtitle} % beamerbaselocalstructure.sty 1.55
245 %% {\only#2{\ifblank{#1}{}}{\gdef\insertframesubtitle{#{1}}\beamer@aftersubtitle}}
246 %% {\only{#2}{\ifblank{#1}{}}{\gdef\insertframesubtitle{#{1}}\beamer@aftersubtitle}}
247 %% {}
248 %% {\PackageWarning{beamerfontthemegotham}{Patching~framesubtitle~failed}\@ehc}
249 %
250 \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*.

```

251 \keys_define:nn { gotham / font }
252 {
253 % format title
254 format~title .choice:,
255 format~title .usage:n = { general },
256 format~title .default:n = { regular },
257 format~title / regular .code:n =
258 {
259 \let\gotham@titleformat\@empty
260 % \cs_set_eq:NN \__gotham_title_format:n \__gotham_unchanged:n
261 },
262 format~title / lower .code:n =
263 {
264 \let\gotham@titleformat \text_lowercase:n %\lowercase
265 % \cs_set_eq:NN \__gotham_title_format:n \text_lowercase:n
266 \PackageWarning{ gotham } { Be-aware-that~format~title=lower~can-lead-to~problems. }
267 },

```

```

268 format~title / upper .code:n =
269 {
270   \let\gotham@titleformat \text_uppercase:n %\uppercase
271   % \cs_set_eq:NN \_gotham_title_format:n \text_uppercase:n
272   \PackageWarning{ gotham } { Be-aware~that~format~title=upper~can~lead~to~problems. }
273 },
274 format~title / titlecase .code:n =
275 {
276   \let\gotham@titleformat \text_titlecase_all:n %\MakeTitlecase
277   % \cs_set_eq:NN \_gotham_title_format:n \text_titlecase_all:n
278   \PackageWarning{ gotham } { Be-aware~that~format~title=titlecase~can~lead~to~problems. }
279 },
280 format~title / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl'
281 }
282 \keys_define:nn { gotham / font }
283 {
284   % shape title
285   shape~title .choice:,
286   shape~title .usage:n = { general },
287   shape~title .default:n = { regular },
288   shape~title / regular .code:n =
289   {
290     \setbeamerfont{title}{shape=\normalfont}
291   },
292   shape~title / smallcaps .code:n =
293   {
294     \setbeamerfont{title}{shape=\scshape}
295   },
296   shape~title / italic .code:n =
297   {
298     \setbeamerfont{title}{shape=\itshape}
299   },
300   shape~title / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl'
301 }
302 }
303 \keys_define:nn { gotham / font }
304 {
305   % format subtitle
306   format~subtitle .choice:,
307   format~subtitle .usage:n = { general },
308   format~subtitle .default:n = { regular },
309   format~subtitle / regular .code:n =
310   {
311     \let\gotham@subtitleformat\@empty
312     % \cs_set_eq:NN \_gotham_subtitle_format:n \_gotham_unchanged:n
313   },
314   format~subtitle / lower .code:n =
315   {
316     \let\gotham@subtitleformat \text_lowercase:n %\lowercase
317     % \cs_set_eq:NN \_gotham_subtitle_format:n \text_lowercase:n
318     \PackageWarning{ gotham } { Be-aware~that~format~subtitle=lower~can~lead~to~problems. }
319   },
320   format~subtitle / upper .code:n =
321   {

```

```

322 \let\gotham@subtitleformat \text_uppercase:n %\uppercase
323 \cs_set_eq:NN \__gotham_subtitle_format:n \text_uppercase:n
324 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=upper-can-lead-to-problems. }
325 },
326 format~subtitle / titlecase .code:n =
327 {
328 \let\gotham@subtitleformat \text_titlecase_all:n %\MakeTitlecase
329 % \cs_set_eq:NN \__gotham_subtitle_format:n \text_titlecase_all:n %\MakeTitlecase
330 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=titlecase-can-lead-to-problems. }
331 },
332 format~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_value
333 }
334 \keys_define:nn { gotham / font }
335 {
336 % shape subtitle
337 shape~subtitle .choice:,
338 shape~subtitle .usage:n = { general },
339 shape~subtitle .default:n = { regular },
340 shape~subtitle / regular .code:n =
341 {
342 \setbeamerfont{subtitle}{shape=\normalfont}
343 },
344 shape~subtitle / smallcaps .code:n =
345 {
346 \setbeamerfont{subtitle}{shape=\scshape}
347 },
348 shape~subtitle / italic .code:n =
349 {
350 \setbeamerfont{subtitle}{shape=\itshape}
351 },
352 shape~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'\l_keys_value
353 }
354
355 \keys_define:nn { gotham / font }
356 {
357 % format frametitle
358 format~frametitle .choice:,
359 format~frametitle .usage:n = { general },
360 format~frametitle .default:n = { regular },
361 format~frametitle / regular .code:n =
362 {
363 \let\gotham@frametitleformat\@empty
364 % \cs_set_eq:NN \__gotham_frametitle_format:n \__gotham_unchanged:n
365 },
366 format~frametitle / lower .code:n =
367 {
368 \let\gotham@frametitleformat \text_lowercase:n %\lowercase
369 % \cs_set_eq:NN \__gotham_frametitle_format:n \text_lowercase:n
370 \PackageWarning{ gotham } { Be-aware-that-format-frametitle=lower-can-lead-to-problems. }
371 },
372 format~frametitle / upper .code:n =
373 {
374 \let\gotham@frametitleformat \text_uppercase:n %\uppercase
375 % \cs_set_eq:NN \__gotham_frametitle_format:n \text_uppercase:n

```



```

376 \PackageWarning{ gotham } { Be-aware-that-format-frametitle=upper-can-lead-to-problems. }
377 },
378 format~frametitle / titlecase .code:n =
379 {
380 \let\gotham@frametitleformat \text_titlecase_all:n %\Maketitlecase
381 % \cs_set_eq:NN \__gotham_frametitle_format:n \text_titlecase_all:n %\MakeTitlecase
382 \PackageWarning{ gotham } { Be-aware-that-format-frametitle=titlecase-can-lead-to-problems
383 },
384 format~frametitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_val
385 }
386 \keys_define:nn { gotham / font }
387 {
388 % shape frametitle
389 shape~frametitle .choice:,
390 shape~frametitle .usage:n = { general },
391 shape~frametitle .default:n = { regular },
392 shape~frametitle / regular .code:n =
393 {
394 \setbeamerfont{frametitle}{shape=\normalfont}
395 },
396 shape~frametitle / smallcaps .code:n =
397 {
398 \setbeamerfont{frametitle}{shape=\scshape}
399 },
400 shape~frametitle / italic .code:n =
401 {
402 \setbeamerfont{frametitle}{shape=\itshape}
403 },
404 shape~frametitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_val
405 }
406
407 \keys_define:nn { gotham / font }
408 {
409 % format framesubtitle
410 format~framesubtitle .choice:,
411 format~framesubtitle .usage:n = { general },
412 format~framesubtitle .default:n = { regular },
413 format~framesubtitle / regular .code:n =
414 {
415 \let\gotham@framesubtitleformat\@empty
416 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \__gotham_unchanged:n
417 },
418 format~framesubtitle / lower .code:n =
419 {
420 \let\gotham@framesubtitleformat \text_lowercase:n %\lowercase
421 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_lowercase:n
422 \PackageWarning{ gotham } { Be-aware-that-format-framesubtitle=lower-can-lead-to-problems.
423 },
424 format~framesubtitle / upper .code:n =
425 {
426 \let\gotham@framesubtitleformat \text_uppercase:n %\uppercase
427 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_uppercase:n
428 \PackageWarning{ gotham } { Be-aware-that-format-framesubtitle=upper-can-lead-to-problems.
429 },

```

```

430 format~framesubtitle / titlecase .code:n =
431 {
432 \let\gotham@framesubtitleformat \text_titlecase_all:n %\Maketitlecase
433 % \cs_set_eq:NN \_gotham_framesubtitle_format:n \text_titlecase_all:n %\Maketitlecase
434 \PackageWarning{ gotham } { Be-aware~that~format~framesubtitle=titlecase~can~lead~to~probl
435 },
436 format~framesubtitle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_
437 }
438 \keys_define:nn { gotham / font }
439 {
440 % shape framesubtitle
441 shape~framesubtitle .choice:,
442 shape~framesubtitle .usage:n = { general },
443 shape~framesubtitle .default:n = { regular },
444 shape~framesubtitle / regular .code:n =
445 {
446 \setbeamerfont{framesubtitle}{shape=\normalfont}
447 },
448 shape~framesubtitle / smallcaps .code:n =
449 {
450 \setbeamerfont{framesubtitle}{shape=\scshape}
451 },
452 shape~framesubtitle / italic .code:n =
453 {
454 \setbeamerfont{framesubtitle}{shape=\itshape}
455 },
456 shape~framesubtitle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_v
457 }
458
459 \keys_define:nn { gotham / font }
460 {
461 % format part
462 format~part .choice:,
463 format~part .usage:n = { general },
464 format~part .default:n = { regular },
465 format~part / regular .code:n =
466 {
467 \let\gotham@parttitleformat\@empty
468 % \cs_set_eq:NN \_gotham_part_title_format:n \text_titlecase:n
469 },
470 format~part / lower .code:n =
471 {
472 \let\gotham@parttitleformat \text_lowercase:n %\lowercase
473 % \cs_set_eq:NN \_gotham_part_title_format:n \text_lowercase:n
474 \PackageWarning{ gotham } { Be-aware~that~format~part=lower~can~lead~to~problems. }
475 },
476 format~part / upper .code:n =
477 {
478 \let\gotham@parttitleformat \text_uppercase:n %\uppercase
479 % \cs_set_eq:NN \_gotham_part_title_format:n \text_uppercase:n
480 \PackageWarning{ gotham } { Be-aware~that~format~part=upper~can~lead~to~problems. }
481 },
482 format~part / titlecase .code:n =
483 {

```

```

484 \let\gotham@parttitleformat\text_titlecase_all:n %\Maketitlecase
485 % \cs_set_eq:NN \__gotham_part_title_format:n \text_titlecase:n
486 \PackageWarning{ gotham } { Be-aware-that-format-part=titlecase-can-lead-to-problems. }
487 },
488 format~part / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl'
489 }
490 \keys_define:nn { gotham / font }
491 {
492 % shape part
493 shape~part .choice:,
494 shape~part .usage:n = { general },
495 shape~part .default:n = { regular },
496 shape~part / regular .code:n =
497 {
498 \setbeamerfont{part~title}{shape=\normalfont}
499 },
500 shape~part / smallcaps .code:n =
501 {
502 \setbeamerfont{part~title}{shape=\scshape}
503 },
504 shape~part / italic .code:n =
505 {
506 \setbeamerfont{part~title}{shape=\itshape}
507 },
508 shape~part / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl'
509 }
510
511 \keys_define:nn { gotham / font }
512 {
513 % format section
514 format~section .choice:,
515 format~section .usage:n = { general },
516 format~section .default:n = { regular },
517 format~section / regular .code:n =
518 {
519 \let\gotham@sectiontitleformat\@empty
520 % \cs_set_eq:NN \__gotham_section_title_format:n \__gotham_unchanged:n
521 },
522 format~section / lower .code:n =
523 {
524 \let\gotham@sectiontitleformat \text_lowercase:n %\lowercase
525 % \cs_set_eq:NN \__gotham_section_title_format:n \text_lowercase:n
526 \PackageWarning{ gotham } { Be-aware-that-format~section=lower~can~lead~to~problems. }
527 },
528 format~section / upper .code:n =
529 {
530 \let\gotham@sectiontitleformat \text_uppercase:n %\uppercase
531 % \cs_set_eq:NN \__gotham_section_title_format:n \text_uppercase:n
532 \PackageWarning{ gotham } { Be-aware-that-format~section=upper~can~lead~to~problems. }
533 },
534 format~section / titlecase .code:n =
535 {
536 \let\gotham@sectiontitleformat \text_titlecase_all:n %\Maketitlecase
537 % \cs_set_eq:NN \__gotham_section_title_format:n \text_titlecase_all:n

```

```

538 \PackageWarning{ gotham } { Be-aware-that-format-section=titlecase-can-lead-to-problems. }
539 },
540 format-section / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'l_keys_value_
541 }
542 \keys_define:nn { gotham / font }
543 {
544 % shape section
545 shape-section .choice:,
546 shape-section .usage:n = { general },
547 shape-section .default:n = { regular },
548 shape-section / regular .code:n =
549 {
550 \setbeamerfont{section-title}{shape=\normalfont}
551 },
552 shape-section / smallcaps .code:n =
553 {
554 \setbeamerfont{section-title}{shape=\scshape}
555 },
556 shape-section / italic .code:n =
557 {
558 \setbeamerfont{section-title}{shape=\itshape}
559 },
560 shape-section / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'l_keys_value_t
561 }
562
563 \keys_define:nn { gotham / font }
564 {
565 % format subsection
566 format-subsection .choice:,
567 format-subsection .usage:n = { general },
568 format-subsection .default:n = { regular },
569 format-subsection / regular .code:n =
570 {
571 \let\gotham@subsectiontitleformat\@empty
572 % \cs_set_eq:NN \__gotham_subsection_title_format:n \__gotham_unchanged:n
573 },
574 format-subsection / lower .code:n =
575 {
576 \let\gotham@subsectiontitleformat \text_lowercase:n %\lowercase
577 % \cs_set_eq:NN \__gotham_subsection_title_format:n \text_lowercase:n
578 \PackageWarning{ gotham } { Be-aware-that-format-subsection=lower-can-lead-to-problems. }
579 },
580 format-subsection / upper .code:n =
581 {
582 \let\gotham@subsectiontitleformat \text_uppercase:n %\uppercase
583 % \cs_set_eq:NN \__gotham_subsection_title_format:n \text_uppercase:n
584 \PackageWarning{ gotham } { Be-aware-that-format-subsection=upper-can-lead-to-problems. }
585 },
586 format-subsection / titlecase .code:n =
587 {
588 \let\gotham@subsectiontitleformat\text_titlecase_all:n %\Maketitlecase
589 % \cs_set_eq:NN \__gotham_subsection_title_format:n \text_titlecase_all:n
590 \PackageWarning{ gotham } { Be-aware-that-format-subsection=titlecase-can-lead-to-problems
591 },

```

```

592 format~subsection / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_val
593 }
594 \keys_define:nn { gotham / font }
595 {
596 % shape subsection
597 shape~subsection .choice:,
598 shape~subsection .usage:n = { general },
599 shape~subsection .default:n = { regular },
600 shape~subsection / regular .code:n =
601 {
602 \setbeamerfont{subsection~title}{shape=\normalfont}
603 },
604 shape~subsection / smallcaps .code:n =
605 {
606 \setbeamerfont{subsection~title}{shape=\scshape}
607 },
608 shape~subsection / italic .code:n =
609 {
610 \setbeamerfont{subsection~title}{shape=\itshape}
611 },
612 shape~subsection / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_val
613 }

```

(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.

```

614 % when no value is given, default is called.
615 \keys_set:nn { gotham / font } {
616 format~title, shape~title,
617 format~subtitle, shape~subtitle,
618 format~frametitle, shape~frametitle,
619 format~framesubtitle, shape~framesubtitle,
620 format~part, shape~part,
621 format~section, shape~section,
622 format~subsection, shape~subsection,
623 }

```

(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.

```

624 \ProcessKeyOptions[ gotham / font ]

```

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

```

625 %\endinput
626 </font>

```

```

627 <*color>
628 \ProvidesExplPackage{beamercolorthemegotham}{2025-11-04}{1.2.3.c}{Gotham color theme}
629 \RequirePackage{expl3}
630 % \RequirePackage{xparse}
631 \RequirePackage{xcolor}

```

COLOR

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

`colors_definition`

```

632 \definecolor[named]{gLightOrange}{HTML}{EB811B}
633 \definecolor[named]{gLightGreen}{HTML}{14B03D}
634 \definecolor[named]{gDeepBlue}{RGB}{42, 42, 255}
635 \definecolor[named]{gDeepYellOr}{RGB}{255, 204, 0}
636 \definecolor[named]{gAnthracite}{HTML}{2d3e50}
637 \definecolor[named]{gLightTeal}{RGB}{172, 195, 210}
638 \definecolor[named]{gPaleYell}{RGB}{255, 255, 240}
639 \definecolor[named]{gDarkBlack}{gray}{0.1}
640 \definecolor[named]{gDarkGrey}{gray}{0.25}
641 \definecolor[named]{gMidGrey}{gray}{0.5}
642 \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`

```

643 % Define the color palette
644 \@ifundefined{\string\color@colorAreversed}{
645 % default colorset.
646 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
647 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
648 \colorlet{colorA}{gAnthracite} % frametitle, standin.out,
649 \colorlet{colorAreversed}{gLightTeal} % frametitle, standin.in,
650 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
651 \colorlet{colorC}{gDeepYellOr} % progress bar
652 \colorlet{colorD}{gLightOrange} % alert
653 \colorlet{colorE}{gLightGreen} % example
654 }{
655 % else nothing to do, colors are already defined.
656 }
657 \providecommand{\gothamHookPostColorBGSet}{}

```

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

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

`set_functional_colors`

```

658 % Define the color palette
659 \colorlet{colorFG}{colorDark}
660 \colorlet{colorBG}{colorPale}
661 \colorlet{colorStandin}{colorPale}
662 \colorlet{colorStandout}{colorA}
663 \colorlet{colorFrametitle}{colorA}
664 \colorlet{colorTitlepage}{colorA}
665 \colorlet{colorFiligrane}{colorB}
666 \colorlet{colorBackElement}{colorB}
667 \colorlet{colorProgBar}{colorC}
668 \colorlet{colorAlert}{colorD}
669 \colorlet{colorExample}{colorE}

```

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

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

```
670 \prop_if_exist:NTF \l_gotham_color_assignment_prop
671 {}{
672 % if not defined than define it.
673 \prop_new:N \l_gotham_color_assignment_prop
674
675 % Key value (by default)
676 \prop_put:Nnn \l_gotham_color_assignment_prop {colorFG} {colorDark}
677 \prop_put:Nnn \l_gotham_color_assignment_prop {colorBG} {colorPale}
678 \prop_put:Nnn \l_gotham_color_assignment_prop {colorStandin} {colorPale}
679 \prop_put:Nnn \l_gotham_color_assignment_prop {colorStandout} {colorA}
680 \prop_put:Nnn \l_gotham_color_assignment_prop {colorFrametitle} {colorA}
681 \prop_put:Nnn \l_gotham_color_assignment_prop {colorTitlepage} {colorA}
682 \prop_put:Nnn \l_gotham_color_assignment_prop {colorFiligrane} {colorB}
683 \prop_put:Nnn \l_gotham_color_assignment_prop {colorBackElement} {colorB}
684 \prop_put:Nnn \l_gotham_color_assignment_prop {colorProgBar} {colorC}
685 \prop_put:Nnn \l_gotham_color_assignment_prop {colorAlert} {colorD}
686 \prop_put:Nnn \l_gotham_color_assignment_prop {colorExample} {colorE}
687 }
```

(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.

```
688 \cs_new_protected:Nn \__gotham_reload_color:{
689 \colorlet{colorFG}{\prop_item:Nn \l_gotham_color_assignment_prop {colorFG}}
690 \colorlet{colorBG}{\prop_item:Nn \l_gotham_color_assignment_prop {colorBG}}
691 \colorlet{colorStandin}{\prop_item:Nn \l_gotham_color_assignment_prop {colorStandin}}
692 \colorlet{colorStandout}{\prop_item:Nn \l_gotham_color_assignment_prop {colorStandout}}
693 \colorlet{colorFrametitle}{\prop_item:Nn \l_gotham_color_assignment_prop {colorFrametitle}}
694 \colorlet{colorTitlepage}{\prop_item:Nn \l_gotham_color_assignment_prop {colorTitlepage}}
695 \colorlet{colorFiligrane}{\prop_item:Nn \l_gotham_color_assignment_prop {colorFiligrane}}
696 \colorlet{colorBackElement}{\prop_item:Nn \l_gotham_color_assignment_prop {colorBackElement}}
697 \colorlet{colorProgBar}{\prop_item:Nn \l_gotham_color_assignment_prop {colorProgBar}}
698 \colorlet{colorAlert}{\prop_item:Nn \l_gotham_color_assignment_prop {colorAlert}}
699 \colorlet{colorExample}{\prop_item:Nn \l_gotham_color_assignment_prop {colorExample}}
700 }
```

`\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.

```
701 \providecommand{\gothamReloadColors}{
702 \__gotham_reload_color:
703 }
```

_gotham_color_set_style_anthracite:

Command to activate anthracite colorset.

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

```
704 \cs_new_protected:Nn \_gotham_color_set_style_anthracite:{
705 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
706 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
707 \colorlet{colorA}{gAnthracite} % frametitle, standin.out,
708 \colorlet{colorAreversed}{gLightTeal} % frametitle, standin.in,
709 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
710 \colorlet{colorC}{gDeepYellOr} % progress bar
711 \colorlet{colorD}{gLightOrange} % alert
712 \colorlet{colorE}{gLightGreen} % example
713 \_gotham_reload_color:
714 }
```

_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.

```
715 \cs_new_protected:Nn \_gotham_color_set_style_red:{
716 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
717 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
718 \colorlet{colorA}{red} % frametitle, standin.out,
719 \colorlet{colorAreversed}{gLightTeal} % frametitle, standin.in,
720 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
721 \colorlet{colorC}{gDeepYellOr} % progress bar
722 \colorlet{colorD}{gLightOrange} % alert
723 \colorlet{colorE}{gLightGreen} % example
724 \_gotham_reload_color:
725 }
```

\providebool{darkBG} Variable to track color setup.

```
\providebool{transparentBG}
726 % \providebool{reversedColor}
727 % \boolfalse{reversedColor}
728 \providebool{darkBG}
729 \boolfalse{darkBG}
730 \providebool{transparentBG}
731 \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.

```
732 \cs_new_protected:Nn \_gotham_color_set_darkBG:{
733   \booltrue{darkBG}
734   \boolfalse{transparentBG}
735   \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandin} {colorFG}
736   \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandout} {colorAreversed}
737   \prop_put:Nnn \l__gotham_color_assignment_prop {colorFrametitle} {colorAreversed}
738   \prop_put:Nnn \l__gotham_color_assignment_prop {colorTitlepage} {colorAreversed}
739
740   %% adapt and reload
741   \_gotham_reload_color:
742
743   %% dark
744   \setbeamercolor{normal~text}{
745     fg=colorBG,
746     bg=colorFG,
747   }
748   \usebeamercolor[fg]{normal~text}
749   \setbeamercolor{primary~palette}{
750     % reversed color compared to normal text
751     use=normal~text,
752     fg=normal~text.bg,
753     bg=normal~text.fg
754   }
755   \gothamHookPostColorBGSet{}
756 }
```

`_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.

```
757 \cs_new_protected:Nn \_gotham_color_set_lightBG:{
758   \boolfalse{darkBG}
759   \boolfalse{transparentBG}
760   \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandin} {colorBG}
761   \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandout} {colorA}
762   \prop_put:Nnn \l__gotham_color_assignment_prop {colorFrametitle} {colorA}
763   \prop_put:Nnn \l__gotham_color_assignment_prop {colorTitlepage} {colorA}
764
765   %% adapt and reload
766   \_gotham_reload_color:
767
768   %% light
769   \setbeamercolor{normal~text}{
770     fg=colorFG,
771     bg=colorBG
772   }
773   \usebeamercolor[fg]{normal~text}
774   \setbeamercolor{primary~palette}{
775     % reversed color compared to normal text
776     use=normal~text,
777     fg=normal~text.bg,
778     bg=normal~text.fg
779   }
780   \gothamHookPostColorBGSet{}
781 }
```

`_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.

```
782 % \providecommand{\gotham@colors@transparent}{  
783 \cs_new_protected:Nn \_gotham_color_set_transparentBG:{  
784 \boolfalse{darkBG}  
785 \booltrue{transparentBG}  
786 {\usebeamercolor{bg}{normal~text}\colorlet{colorStandin}{bg}}% this is not working because  
787 % \usebeamercolor{normal~text} % reset % NOT working neither  
788 \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandin} {colorBG} % since the two pr  
789 \prop_put:Nnn \l__gotham_color_assignment_prop {colorStandout} {colorA}  
790 \prop_put:Nnn \l__gotham_color_assignment_prop {colorFrametitle} {colorA}  
791 \prop_put:Nnn \l__gotham_color_assignment_prop {colorTitlepage} {colorA}  
792  
793 %%% adapt and reload  
794 \_gotham_reload_color:  
795  
796 %%% transparent like light background.  
797 \setbeamercolor{normal~text}{  
798 fg=colorFG,  
799 bg=,  
800 }  
801 \usebeamercolor{fg}{normal~text}  
802 \setbeamercolor{primary~palette}{  
803 % reversed color compared to normal text  
804 use=normal~text,  
805 fg=colorBG,  
806 bg=normal~text.fg  
807 }  
808 \gothamHookPostColorBGSet{  
809 }
```

_gotham_color_set_transparent_block:

Command to activate transparent block.

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

```
810 \cs_new_protected:Nn \\_gotham_color_set_transparent_block:{
811   \setbeamercolor{block~title}{
812     use=normal~text,
813     fg=normal~text.fg,
814     bg=
815   }
816   \setbeamercolor{block~body}{
817     bg=
818   }
819   \setbeamercolor{alerted~text}{
820     fg=colorAlert
821   }
822   \setbeamercolor{example~text}{
823     fg=colorExample
824   }
825   \setbeamercolor{block~title~example}{
826     use={block~title, example~text},
827     bg=block~title.bg,
828     fg=example~text.fg
829   }
830   \setbeamercolor{block~title~alerted}{
831     use={block~title, alerted~text},
832     bg=block~title.bg,
833     fg=alerted~text.fg
834   }
835 }
```

`_gotham_color_set_fill_block:`

Command to activate fill block.

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

```
836 \cs_new_protected:Nn \_gotham_color_set_fill_block:{
837 \setbeamercolor{block~title}{
838 fg=colorBackElement!10!normal~text.fg,
839 bg=colorBackElement!135!fg
840 }
841 \setbeamercolor{block~body}{
842 use={block~title, normal~text},
843 bg=block~title.bg!50!normal~text.bg
844 }
845 \setbeamercolor{alerted~text}{
846 fg=colorAlert
847 }
848 \setbeamercolor{example~text}{
849 fg=colorExample
850 }
851 \setbeamercolor{block~title~example}{
852 use={block~title, example~text},
853 bg=block~title.bg,
854 fg=example~text.fg
855 }
856 \setbeamercolor{block~title~alerted}{
857 use={block~title, alerted~text},
858 bg=block~title.bg,
859 fg=alerted~text.fg
860 }
861 }
```

`_gotham_color_set_native_block:`

Command to activate native block.

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

```
862 \cs_new_protected:Nn \_gotham_color_set_native_block:{
863 \setbeamercolor{block~title}{
864   fg=colorPale,
865   bg=colorBackElement!90!fg
866 }
867 \setbeamercolor{block~body}{
868   use={block~title, normal~text},
869   bg=block~title.bg!50!normal~text.bg
870 }
871 \setbeamercolor{alerted~text}{
872   fg=colorAlert
873 }
874 % With native block, we have to let alerted text with a visible color (not pale) to keep al
875 % So, we have to create an extra color: alertedBlock~text.
876 \setbeamercolor{alertedBlock~text}{
877   fg=colorPale
878 }
879 \setbeamercolor{example~text}{
880   fg=colorPale
881 }
882 \setbeamercolor{block~title~alerted}{
883   use={block~title, alertedBlock~text},
884   bg=colorAlert,
885   fg=alertedBlock~text.fg
886 }
887 \setbeamercolor{block~title~example}{
888   use={block~title, example~text},
889   bg=colorExample,
890   fg=example~text.fg
891 }
892 }
```

`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.

```
893 \setbeamercolor{structure}{use=normal~text, fg=normal~text.fg}
894 \setbeamercolor{progress~bar}{
895   use=alerted~text,
896   fg=colorProgBar,
897   bg=alerted~text.fg!50!black!30
898 }
```

(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 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.

```
899 \setbeamercolor{titlelike}{use=normal~text, parent=normal~text}
900 \setbeamercolor{author}{use=normal~text, parent=normal~text}
901 \setbeamercolor{date}{use=normal~text, parent=normal~text}
902 \setbeamercolor{institute}{use=normal~text, parent=normal~text}
903 \setbeamercolor{frametitle}{
904   use=primary~palette,
905   parent=primary~palette,
906   bg=colorFrametitle
907 }
908 % The Gotham inner or outer themes optionally display progress bars in various locations.
909 % Their color is set by |progress bar| but the two different kinds can be customized separat
910 % The horizontal rule on the title page is also set based on the progress bar color and can
911 \setbeamercolor{title~separator}{
912   use=progress~bar,
913   parent=progress~bar
914 }
915 \setbeamercolor{progress~bar~in~head/foot}{%
916   use=progress~bar,
917   parent=progress~bar
918 }
919 \setbeamercolor{progress~bar~in~part~page}{
920   use=progress~bar,
921   parent=progress~bar
922 }
923 \setbeamercolor{progress~bar~in~section~page}{
924   use=progress~bar,
925   parent=progress~bar
926 }
927 \setbeamercolor{progress~bar~in~splitvert}{
928   use=progress~bar,
929   parent=progress~bar
930 }
931 % \setbeamercolor{progress~bar~in~subsection~page}{
932 %   use=progress~bar,
933 %   parent=progress~bar
934 % }
935 % \setbeamercolor{progress~bar~in~subsubsection~page}{
936 %   use=progress~bar,
937 %   parent=progress~bar
938 % }
939 %
940 % Blocks
941 \setbeamercolor{block~body~alerted}{use=block~body, parent=block~body}
942 \setbeamercolor{block~body~example}{use=block~body, parent=block~body}
943 %
944 % Footnote
945 \setbeamercolor{footnote}{fg=normal~text.fg!90}
946 \setbeamercolor{footnote~mark}{fg=.}
947 %
948 % Bibliography
949 %
950 % We also reset the bibliography colors in order to pick up the surrounding colors at the ti
951 % This prevents us having to set the correct color in normal and standout mode.
```

```

952 % \setbeamercolor{bibliography entry author}{fg=, bg=}
953 % \setbeamercolor{bibliography entry title}{fg=, bg=}
954 % \setbeamercolor{bibliography entry location}{fg=, bg=}
955 % \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.

```

956 % \setbeamercolor{frametitleSection}{use=primary-palette, bg=, fg=primary-palette.bg}
957 \setbeamercolor{frametitleSection}{use=structure,fg=structure.bg}
958
959 \setbeamercolor{standout}{use=primary-palette, bg=colorStandout, fg=primary-palette.bg}
960 \setbeamercolor{standin}{use=normal-text, bg=colorStandin, fg=normal-text.fg}
961
962 \setbeamercolor{section-in-toc}{use=normal-text, parent=normal-text,}
963 \setbeamercolor{subsection-in-toc}{use=normal-text, parent=normal-text,}
964 \setbeamercolor{subsubsection-in-toc}{use=normal-text, parent=normal-text,}
965 \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.

```

966 \keys_define:nn { gotham / color }
967 {
968 % block
969 block .choice:,
970 block .usage:n = { general },
971 block .default:n = { native },
972 block / native .code:n = { \__gotham_color_set_native_block: },
973 block / transparent .code:n = { \__gotham_color_set_transparent_block: },
974 block / fill .code:n = { \__gotham_color_set_fill_block: },
975 block / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is~un
976 }
977
978 \keys_define:nn { gotham / color }
979 {
980 % background
981 background .choice:,
982 background .usage:n = { general },
983 background .default:n = { transparent },
984 background / transparent .code:n = { \__gotham_color_set_transparentBG: },
985 background / light .code:n = { \__gotham_color_set_lightBG: },
986 background / dark .code:n = { \__gotham_color_set_darkBG: },
987 background / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~
988 }
989
990 \keys_define:nn { gotham / color }
991 {
992 % colorset
993 colorset .choice:,
994 colorset .usage:n = { general },

```



```

995 colorset .default:n = { anthracite },
996 colorset / anthracite .code:n = { \_gotham_color_set_style_anthracite: },
997 colorset / red .code:n = { \_gotham_color_set_style_red: },
998 % colorset / blue .code:n = { },
999 % colorset / green .code:n = { },
1000 % colorset / orange .code:n = { },
1001 % colorset / teal .code:n = { },
1002 colorset / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is
1003 }

```

(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.

```

1004 % when no value is given, default is called.
1005 \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.

```

1006 \ProcessKeyOptions[ gotham / color ]
1007 \mode<all>

```

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

```

1008 %\endinput
1009 </color>

```

```

1010 <*inner>
1011 \ProvidesExplPackage{beamerinnerthemegotham}{2025-11-04}{1.2.3.c}{gotham inner theme}
1012 \RequirePackage{expl3}
1013 % \RequirePackage{xparse}
1014 \RequirePackage{calc}
1015 % \RequirePackage{xfp}
1016 \RequirePackage{tikz}

```

INNER

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

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

- figures and tables; and
- footnotes and plain text.

Titlepage

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

```

1017 \@ifundefined{\string\color@colorProgBar}{
1018   \providebool{darkBG} \boolfalse{darkBG}
1019   \providebool{transparentBG} \booltrue{transparentBG}
1020   \colorlet{colorBG}{white}
1021   \colorlet{colorFG}{black}
1022   \colorlet{colorFrametitle}{purple}
1023   \colorlet{colorStandout}{purple}
1024   \colorlet{colorStandin}{purple}
1025   \colorlet{colorTitlepage}{purple}
1026   \colorlet{colorFiligrane}{gray}
1027   \colorlet{colorBackElement}{gray}
1028   \colorlet{colorProgBar}{orange}
1029   \colorlet{colorAlert}{red}
1030   \colorlet{colorExample}{green}
1031   \setbeamercolor{progress~bar}{
1032     use=alerted~text,
1033     fg=colorProgBar,
1034     bg=alerted~text.fg!50!black!30
1035   }
1036   \setbeamercolor{progress~bar~in~head/foot}{%
1037     use=progress~bar,
1038     parent=progress~bar
1039   }
1040   \setbeamercolor{progress~bar~in~part~page}{
1041     use=progress~bar,
1042     parent=progress~bar
1043   }
1044   \setbeamercolor{progress~bar~in~section~page}{
1045     use=progress~bar,
1046     parent=progress~bar
1047   }
1048   \setbeamercolor{progress~bar~in~splitvert}{
1049     use=progress~bar,
1050     parent=progress~bar
1051   }
1052   \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
1053   \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
1054   \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
1055   \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
1056   \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
1057   \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
1058 }{
1059 % else the colors are defined: this is fine.
1060 }

```

(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`
`\titlepage` 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.

```

1061 \def\maketitle{
1062   \ifbeamer@inframe
1063     \titlepage
1064   \else
1065     \frame[plain, c, noframenubering]{\titlepage}
1066   \fi
1067 }
1068 \def\titlepage{
1069   % \setkeys{beamerframe}{c} % no effect
1070   % \setkeys{beamerframe}{plain} % no effect
1071   % \setbeamertemplate{footline}[empty] % no effect
1072   % \setkeys{beamerframe}{nofootline} % create error of unclosed env
1073   \usebeamertemplate{title~page}
1074 }

```

(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.

```

1075 \defbeamertemplate*{title~graphic}{gotham}{
1076   % \vbox to 0pt {% %%%% MODIFIED !
1077   \vbox{
1078     % \vspace*{2em} %%%% COMMENT ADDED !
1079     \inserttitlegraphic
1080   }
1081   \nointerlineskip
1082 }
1083 \defbeamertemplate*{title}{gotham}{
1084   %\raggedright% %%%% COMMENT ADDED !
1085   \linespread{1.0}
1086   \inserttitle
1087   \par
1088   \vspace*{0.5em}
1089 }
1090 \defbeamertemplate*{subtitle}{gotham}{
1091   %\raggedright% %%%% COMMENT ADDED !
1092   \insertsubtitle
1093   \par
1094   \vspace*{0.5em}
1095 }
1096 \defbeamertemplate*{author}{gotham}{
1097   \vspace*{1.em}
1098   \insertauthor
1099   \par
1100   \vspace*{0.25em}
1101 }
1102 \defbeamertemplate*{date}{gotham}{

```

```

1103 \insertdate
1104 \par
1105 }
1106 \defbeamertemplate*{institute}{gotham}{
1107 \vspace*{3mm}
1108 \insertinstitute
1109 \par
1110 }

```

(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 1111 \dim_new:N \l__gotham_titleseparator_width_dim
\l__gotham_title_width_dim 1112 \dim_set:Nn \l__gotham_titleseparator_width_dim {\textwidth}
\l__gotham_subtitle_width_dim 1113 \dim_new:N \l__gotham_titleseparator_height_dim
\l__gotham_title_max_width_dim 1114 \dim_set:Nn \l__gotham_titleseparator_height_dim {2pt}
1115 % \newlength{\titlewidth}
1116 % \newlength{\subtitlewidth}
1117 % \newlength{\maxwidth}
1118 \dim_new:N \l__gotham_title_width_dim
1119 \dim_new:N \l__gotham_subtitle_width_dim
1120 \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.

```

1121 \defbeamertemplate*{title~separator}{gotham}{
1122 \begin{tikzpicture}
1123 % \fill[fg] (0,0) rectangle (\gotham@titleseparator@linewidth, \gotham@titleseparator@lineheight);
1124 \fill[fg] (0,0) rectangle
1125 (\dim_use:N \l__gotham_titleseparator_width_dim,
1126 \dim_use:N \l__gotham_titleseparator_height_dim);
1127 \end{tikzpicture}
1128 \par
1129 }

```

(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*.

```

1130 \providecommand{\gothamtitlepagelogo}{}

```

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

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

```

1131 \providecommand{\gothamtitlepagebg}{}

```

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

`\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*.

```

1132
1133 % Beamer's definition of |\insertauthor| is always nonempty, so we have to test another macro
1134 % This solution was suggested by Sam Carter in an answer to \href{https://tex.stackexchange.
1135
1136 \defbeamertemplate{title~page}{gotham-normal}{
1137 \ifx\insertframetitle\@empty\else\vspace*{-3em}\fi
1138 \begin{picture}(0,0)
1139 % the background covering the whole page
1140 \put(-30,-125){\noindent
1141 \fcolorbox{normal~text.bg}{normal~text.bg}{
1142 \begin{minipage}[b][\paperheight]{\paperwidth}
1143 \hfil
1144 \end{minipage}
1145 }
1146 }
1147
1148 % The text: title, author, institute, etc.
1149 \put(-3.4,-125){\noindent
1150 \fcolorbox{normal~text.bg}{normal~text.bg}{
1151 \begin{minipage}[b][\paperheight]{\textwidth}
1152 \parbox[c][Opt][c]{Opt}{\gothamtitlepagebg}
1153 \centering
1154 \vfill
1155 \ifx\inserttitle\@empty\else
1156 \parbox{0.99\textwidth}{\centering
1157 \usebeamertemplate*{title}
1158 }\\[1.ex]
1159 \fi
1160 \ifx\insertsubtitle\@empty\else
1161 \parbox{0.99\textwidth}{\centering
1162 \usebeamertemplate*{subtitle}
1163 }\\[2.ex]
1164 \fi
1165 % \hspace*{-0pt}
1166 \usebeamertemplate*{title~separator}
1167 % from above patch
1168 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1169 % empty author
1170 \vspace*{1.em}
1171 }{
1172 \usebeamertemplate*{author}
1173 }
1174 \ifx\insertdate\@empty\else\usebeamertemplate*{date}\fi
1175 \ifx\insertinstitute\@empty\else{\parbox{0.95\textwidth}{\raggedright\usebeamertemplate*
1176 \vfill
1177 \vbox{}
1178 \end{minipage}
1179 }
1180 % end third argument of fcolorbox
1181 }
1182
1183 % the institute logo on title page
1184 \put(234,-120){
1185 \gothamtitlepagelogo

```

```

1186 }
1187
1188 % the extra logos on title page (\inserttitlegraphic)
1189 \put(0,-123){
1190   \noindent\vbox{
1191     \begin{minipage}[b][0.96\paperheight]{\paperwidth}
1192       \ifx\inserttitlegraphic\empty\else\usebeamertemplate*{title~graphic}\fi
1193     \end{minipage}
1194   }
1195 }
1196 \end{picture}
1197 }

```

(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*.

```

1198 \defbeamertemplate{title~page}{gotham-reversed}{
1199   \begin{picture}(0,0)
1200     % The background picture
1201     \put(-28,-128){\gothamtitlepagebg}
1202
1203     % The text: title, author, institute, etc.
1204     \put(-3.4,-125){\noindent
1205       % \fcolorbox{declared-color-frame}{declared-color-background}{text}
1206       \ifbool{darkBG}{
1207         % Dark true
1208         \setbeamercolor{normal~text}{fg=colorFG, }
1209         \fcolorbox{colorPale}{colorPale}% reversed
1210       }{
1211         % Light
1212         \setbeamercolor{normal~text}{fg=colorBG, }
1213         \fcolorbox{colorTitlepage}{colorTitlepage}% reversed
1214       }% end if
1215       {
1216         % begin third argument of fcolorobx
1217         %\fcolorbox{normal~text.fg}{normal~text.fg}{
1218         \begin{minipage}[b][\paperheight]{\textwidth}
1219           \centering
1220           \vfill
1221           \ifx\inserttitle\empty\else\usebeamertemplate*{title}\fi
1222           \ifx\insertsubtitle\empty\else\usebeamertemplate*{subtitle}\fi
1223           \usebeamertemplate*{title~separator}
1224           \expandafter\ifblank\expandafter{\beamer@andstripped}{
1225             % empty author
1226             \vspace*{1.em}
1227           }{
1228             \usebeamertemplate*{author}
1229           }
1230           \ifx\insertdate\empty\else\usebeamertemplate*{date}\fi
1231           \ifx\insertinstitute\empty\else{\parbox{0.9\textwidth}{\raggedright\usebeamertemplate*
1232           \vfill

```

```

1233     \vbox{}
1234     \end{minipage}
1235   }
1236   % end third argument of fcolorobx
1237 }
1238
1239 % the institute logo on title page
1240 \put(234,-120){
1241   \gothamtitlepagelogo
1242 }
1243
1244 % the extra logos on title page (\inserttitlegraphic)
1245 \put(-27,-123){
1246   \noindent\vbox{
1247     \begin{minipage}[b][0.96\paperheight]{0.899\textwidth}
1248       \ifx\inserttitlegraphic\@empty\else\usebeamertemplate*{title~graphic}\fi
1249     \end{minipage}
1250   }
1251 }
1252 \end{picture}
1253 }

```

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

`\beamertemplate{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`.

```

1254 \defbeamertemplate{title~page}{gotham-dividedpic}{
1255   % \long\def\tmpEmpty{}
1256   \def\titlecontent{\usebeamerfont{title}\usebeamercolor[fg]{title}\inserttitle}
1257   \def\subtitlecontent{\usebeamerfont{subtitle}\usebeamercolor[fg]{subtitle}\insertsubtitle}
1258   \settowidth\l__gotham_title_width_dim\titlecontent
1259   \settowidth\l__gotham_subtitle_width_dim\subtitlecontent
1260   \setlength\l__gotham_title_max_width_dim{\ifdim\l__gotham_title_width_dim>\l__gotham_subtit
1261   % \thispagestyle{navigation@titlepage}
1262   \begin{minipage}{.55\textwidth}
1263     \raggedright
1264     \titlecontent\\
1265     \subtitlecontent\\
1266     % \textcolor{accent}{\rule{\ifdim\l__gotham_title_max_width_dim<.55\textwidth\l__gotham_ti
1267     \textcolor{colorProgBar}{\rule{\ifdim\l__gotham_title_max_width_dim<.55\textwidth\l__gotha
1268     \usebeamerfont{author}\usebeamercolor[fg]{author}
1269     \insertauthor\\
1270     % \ifx\insertauthor\empty\else
1271     \expandafter\ifblank\expandafter{\beamer@andstripped}{
1272     % empty author
1273     \vspace*{1.em}
1274   }{
1275     \usebeamerfont{author}\usebeamercolor[fg]{author}
1276     \insertshortauthor
1277     \vspace{2em}
1278   }
1279   % \fi

```

```

1280 \ifx\insertinstitute\@empty\else{
1281   \usebeamertemplate*{institute}\vspace{2em}
1282 } \fi
1283 \insertdate
1284 \end{minipage}
1285
1286 % \ifdefined\@background
1287 \begin{tikzpicture}[remember=picture, overlay]
1288   \clip (current~page.south~east)
1289     -- (current~page.north~east)
1290     -- ++(-5.1, 0)
1291     -- ++(-3, -\paperheight)
1292     -- cycle;
1293
1294 \ifx\gothamtitlepagebg\@empty%\tmpEmpty
1295   \fill[
1296     % path~fading=title~page~picture~fading,
1297     % left~color=\ifbool{darkBG}{colorDark!200}{colorPale!100},
1298     right~color=colorTitlepage!100,%\ifbool{darkBG}{colorPale!100}{colorDark!100},
1299     % fading~angle=-15,
1300   ]
1301   (current~page.south~east)
1302   rectangle
1303   ++(\dimexpr-0.55\paperwidth, \dimexpr\paperheight+1cm);
1304 \else
1305   \node[
1306     anchor=south~east,
1307     inner~sep=0,
1308     outer~sep=0
1309   ] at (current~page.south~east) {
1310     % \includegraphics[height=\paperheight]{\@background}
1311     \gothamtitlepagebg
1312   };
1313 \fi
1314 \end{tikzpicture}
1315 }

```

(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`.

```

1316 \defbeamertemplate{title-page}{gotham-splitvert}{
1317   % \IfEmpty{\insertframetitle}{
1318   \ifx\beamer@frametitle\@empty
1319     \vspace*{-0.5\paperheight}
1320   \else %}{
1321     \vspace*{-0.63\paperheight}
1322   \fi %}
1323 {
1324   \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}%
1325   \begin{tikzpicture}[overlay, remember=picture]
1326     \fill[color=gotham@@tempColor] (current~page.north~west) rectangle ([shift = {(0, -0.45\p

```



```

1327 \end{tikzpicture}
1328 }
1329
1330 % \vspace{1.65\baselineskip}
1331 \begin{minipage}[b][0.5\paperheight]{\textwidth}
1332 % \vspace{\baselineskip}
1333 \vbox{}
1334 \vfill
1335 {
1336 \usebeamerfont{title}
1337 \usebeamercolor[fg]{frametitle}
1338 \inserttitle
1339 }
1340 \ifx\insertsubtitle\@empty\else
1341 \\\[1ex]
1342 {
1343 \usebeamerfont{subtitle}
1344 \usebeamercolor[fg]{frametitle}
1345 \insertsubtitle
1346 }
1347 \fi
1348 \vspace{1.\baselineskip}
1349 \end{minipage}
1350
1351
1352 % Set the title graphic in a zero-height box, so that
1353 % the position of other elements is not affected.
1354 \ifx\inserttitlegraphic\@empty\else
1355 \newline
1356 \vspace*{-1.65\baselineskip}
1357 % {\vfuuzz=9999pt\vbox-to~0pt {
1358 {\parbox[c][0pt][c]{\textwidth}{
1359 \raggedleft
1360 \inserttitlegraphic
1361 % \usebeamertemplate*{title~graphic}
1362 }}}
1363 \fi
1364
1365 % \ifx\insertauthor\empty\else
1366 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1367 % empty author
1368 \vspace*{1.em}
1369 }{
1370 \newline
1371 \begin{minipage}[t]{\textwidth}
1372 % \usebeamerfont{normal~text}
1373 % \usebeamerfont{author}
1374 % \insertauthor
1375 \vspace*{-0.65\baselineskip}
1376 \usebeamertemplate*{author}
1377 \end{minipage}
1378 }
1379 % \fi
1380

```

```

1381 \ifx\insertinstitute\@empty\else
1382 \newline
1383 \vspace*{-1.65\baselineskip}
1384 \begin{minipage}[t]{\textwidth}
1385 % \usebeamerfont{institute}
1386 % \insertinstitute
1387 \usebeamertemplate*{institute}
1388 \end{minipage}
1389 \fi
1390
1391 \ifx\insertdate\@empty\else
1392 \newline
1393 \begin{minipage}[t]{\textwidth}
1394 \vspace*{2.65\baselineskip}
1395 % \usebeamerfont{date}
1396 % \insertdate
1397 \usebeamertemplate*{date}
1398 \end{minipage}
1399 \vspace*{-3.15\baselineskip}
1400 \fi
1401 }

```

(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.

```

1402 \cs_if_exist:NTF \_gotham_set_template:nn {}{
1403 % If it doesn't exist, then create it.
1404
1405 % Define the command to set template if it exists.
1406 \cs_new_protected:Nn \_gotham_set_template:nn
1407 {
1408 \cs_if_exist:cTF {beamer@tmpop@#1@#2} {
1409 \setbeamertemplate{#1}[#2]
1410 }{
1411 \PackageError{beamerinnerthemegotham}
1412 {The~beamer~template~named~'#1'~with~the~option~'#2'~does~not~exist}
1413 {helping~message~unknown~setbeamertemplate~option}
1414 }
1415 }
1416 }

```

`inner_key_□_□interface` Controls for the title page templates.

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

```

1417 \keys_define:nn { gotham / inner }
1418 {

```

```

1419 % title~page
1420 title~page .usage:n = { general },
1421 title~page .default:n = { gotham-normal },
1422 title~page .code:n = { \__gotham_set_template:nn{title~page}{#1} },
1423 }

```

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

Backgrounds

```

1424 % Background lengths
1425 % \newlength{\imageBGoffset}
1426 % \setlength{\imageBGoffset}{\paperwidth}
1427 % \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

```

1428 \prop_if_exist:NTF \l__gotham_template_name_prop
1429 {}{
1430 % if not defined than define it.
1431 \prop_new:N \l__gotham_template_name_prop
1432 }

```

(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.

```

1433 \defbeamertemplate{background-canvas}{empty}{% empty background style has a color.
1434 % \ifbeamercolorempy[bg]{background}{\color{bg}\vrule width\paperwidth height\paperheight}
1435 \hspace*{28pt}
1436 \begin{beamercolorbox}[wd=\paperwidth,
1437 ht=\paperheight,
1438 ]{background}
1439 % nothing to write, only a background color
1440 \end{beamercolorbox}
1441 }%
1442 \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.

```

1443 \defbeamertemplate{background}{watermark/gotham-draft}{
1444 \begin{tikzpicture}[overlay,remember~picture]
1445 \node[color=red, opacity=0.3, scale=5, rotate=45] at ([shift={(0,0)}]current~page.center)
1446 \end{tikzpicture}
1447 }
1448 % Add the template to the prop (dictionary)
1449 \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*.

```

1450 \seq_if_exist:NTF \l__gotham_frameoption_tmp_seq {}{
1451 % Define the sequence of frameoptions environments to close
1452 \seq_new:N \l__gotham_frameoption_tmp_seq
1453 }
1454
1455 \cs_if_exist:NTF \__gotham_add_beamerframe_key:n {}{
1456 % if it doesn't exist, then create it.
1457
1458 % Define the command to add frameoptions
1459 \cs_new_protected:Nn \__gotham_add_beamerframe_key:n {
1460   \define@key{beamerframe}{#1}[true]{
1461     \begin{#1env}
1462     \seq_put_left:Nn \l__gotham_frameoption_tmp_seq { \end{#1env} }
1463   }
1464 }
1465
1466 % At the end of frames close the opened environments.
1467 \apptocmd{\beamer@reseteecodes}{
1468 % Join elements in the queue without separator then output the result
1469 \seq_use:Nn \l__gotham_frameoption_tmp_seq {}
1470 % clear working queue
1471 \seq_clear:N \l__gotham_frameoption_tmp_seq
1472 }{}{}
1473 }

```

`\begin{frame}[noBCG]` 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*.

```

1474
1475 \newenvironment{noBGCenv}{
1476 \setbeamertemplate{background~canvas}[empty]
1477 }{}
1478 \__gotham_add_beamerframe_key:n {noBGC}

```

(End of definition for `\begin{frame}[noBCG]`. 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*.

```

1479 \bool_new:N \l_gotham_defaultWatermark

```

```

1480 \bool_set_false:N \l_gotham_defaultWatermark
1481 % At every new frame, reset the options to default (unless some options/keys are given)
1482 \BeforeBeginEnvironment{frame}{
1483   \bool_if:NTF \l_gotham_defaultWatermark {
1484     \setbeamertemplate{background}[watermark/\prop_item:Nn \l__gotham_template_name_prop {back
1485   }{% false
1486     \setbeamertemplate{background}[empty]
1487   }
1488 }

```

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

`\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`.

```

1489 % bool to trigger the add of watermark in background
1490 \newenvironment{watermarkenv}{
1491   \setbeamertemplate{background}[
1492     watermark/\prop_item:Nn \l__gotham_template_name_prop {background/watermark}
1493   ]
1494 }{}
1495 \__gotham_add_beamerframe_key:n {watermark}

```

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

`\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`.

```

1496 % bool to trigger the add of nowatermark in background
1497 \newenvironment{nowatermarkenv}{
1498   \setbeamertemplate{background}[empty]
1499 }{}
1500 \__gotham_add_beamerframe_key:n {nowatermark}

```

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

```

\l__gotham_tmpa_seq tmp variables
\l__gotham_tmpa_tl
\l__gotham_tmpb_tl
1501 \seq_if_exist:NTF \l__gotham_tmpa_seq
1502 {}{
1503   % sequence
1504   \seq_new:N \l__gotham_tmpa_seq
1505 }
1506 \tl_if_exist:NTF \l__gotham_tmpa_tl
1507 {}{
1508   % token list A
1509   \tl_new:N \l__gotham_tmpa_tl
1510 }
1511 \tl_if_exist:NTF \l__gotham_tmpb_tl
1512 {}{
1513   % token list B
1514   \tl_new:N \l__gotham_tmpb_tl
1515 }

```

(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.

```

1516 \cs_if_exist:NTF \__gotham_set_prop_template:nn {}{
1517 % if it doesn't exist, then create it.
1518 \cs_new_protected:Nn \__gotham_set_prop_template:nn
1519 {
1520 % Check if the first argument contains a /
1521 \tl_if_in:nnTF { #1 } { / }
1522 {
1523 % Split the first around the /
1524 \seq_set_split:Nnn \l__gotham_tmpa_seq { / } { #1 }
1525 \tl_set:Nn \l__gotham_tmpa_tl { \seq_item:Nn \l__gotham_tmpa_seq { 1 } }
1526 \tl_set:Nn \l__gotham_tmpb_tl { \seq_item:Nn \l__gotham_tmpa_seq { 2 } }
1527 % Check if template exist
1528 \cs_if_exist:cTF {beamer@@tmpop@\exp_not:V \l__gotham_tmpa_tl @\exp_not:V \l__gotham_tmpb_tl}{
1529 % set the value in the map, so it can be called later.
1530 \prop_put:Nnn \l__gotham_template_name_prop {#1} {#2}
1531 % \setbeamertemplate{#1}[#2]
1532 }{
1533 \PackageError{beamerthemegothon}
1534 {The-beamer-template-named~'\l__gotham_tmpa_tl'-with-the-option~'\l__gotham_tmpb_tl/#2'}{
1535 {helping-message}
1536 }
1537 }{% false -> error
1538 \PackageError{beamerthemegothon}
1539 {%
1540 When-using~'\c_backslash_str\cs_to_str:N \__gotham_set_prop_template'-the-first-argument
1541 As-example:~if~'\c_backslash_str defbeamertemplate{background}{watermark/gotham-draft}'{
1542 }{helping-message}
1543 }
1544 }
1545 }
```

`inner_key_□_□_interface` Controls the inner settings for background and watermark).

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

```

1546 \keys_define:nn { gotham / inner }{
1547 % watermark template
1548 watermark-template .usage:n = { general },
1549 watermark-template .default:n = { gotham-draft },
1550 watermark-template .code:n = { \__gotham_set_prop_template:nn{background/watermark}{#1} },
1551 }
```

```

1552 \keys_define:nn { gotham / inner }{
1553 % watermark default
1554 watermark~default .choice:,
1555 watermark~default .usage:n = { general },
1556 watermark~default .default:n = { false },
1557
1558 watermark~default / true .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1559 watermark~default / on .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1560 watermark~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultWatermark },
1561
1562 watermark~default / false .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1563 watermark~default / off .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1564 watermark~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultWatermark },
1565
1566 watermark~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unkn
1567 }

```

(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`.

```

1568 \define@key{beamerframe}{c}[true]{
1569 \beamer@frametopskip=0pt~plus~1fill\relax
1570 \beamer@framebottomskip=0pt~plus~1fill\relax
1571 \beamer@frametopskipautobreak=0pt~plus~.4\paperheight\relax
1572 \beamer@framebottomskipautobreak=0pt~plus~.6\paperheight\relax
1573 \def\beamer@initfirstlineunskip{
1574 }

```

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

`\beamertemplate{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`.

```

1575 \defbeamertemplate{background-canvas}{standout/gotham}{
1576 % copied from beamer default
1577 \ifbeamercolorempy[bg]{standout}{
1578 % if the background standout color is transparent, do nothing.
1579 }{
1580 \usebeamercolor[bg]{standout}\color{bg}
1581 \vrule~width\paperwidth~height\paperheight
1582 }
1583 }
1584 % Add the template to the prop (dictionary) of background template to use according to the s
1585 \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.

```

1586 \defbeamertemplate*{standout}{gotham}{
1587 % \setkeys{beamerframe}{c}
1588 % \setkeys{beamerframe}{noframenumbering}
1589 % \centering
1590
1591 \setbeamertemplate{background~canvas}[standout/\prop_item:Nn \l__gotham_template_name_prop
1592 % \usebeamertemplate{background~canvas}%[standout/gotham]
1593 \usebeamerfont{standout}
1594 % if the background color is switched, then change foreground (font) color.
1595 \ifbeamercoloreempty[bg]{primary~palette}{
1596 %true : empty background (transparent)
1597 \setbeamercolor{background~canvas}{
1598 use=primary~palette,
1599 bg=primary~palette.fg
1600 }
1601 }{
1602 %false : background not empty (dark or light)
1603 \setbeamercolor{background~canvas}{
1604 use=primary~palette,
1605 bg=primary~palette.bg
1606 }
1607 }
1608 \setbeamercolor{local~structure}{fg=primary~palette.bg}
1609 \usebeamercolor[fg]{primary~palette}
1610 }

```

(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.

```

1611 \newenvironment{standoutenv}{
1612 \usebeamertemplate{standout}
1613 }{}
1614 \__gotham_add_beamerframe_key:n {standout}

```

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

`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.

```

1615 \defbeamertemplate{background~canvas}{standin/gotham}{
1616 \ifbeamercoloreempty[bg]{standin}{
1617 % if the background standin color is transparent, do nothing.
1618 }{
1619 % Uncomment this if-condition to have a 'light' background in 'transparent' color-mode.
1620 \ifbool{transparentBG}{
1621 % \color{} is not possible so, it is better to do nothing for transparent bg than creatin
1622 }{

```



```

1623   \usebeamercolor[bg]{standin}\color{bg}
1624   \vrule-width\paperwidth-height\paperheight
1625   }
1626 }
1627 }
1628 % Add the template to the prop (dictionary) of background template to use according to the s
1629 \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.

```

1630 \defbeamertemplate*{standin}{gotham}{
1631 %
1632 % \setkeys{beamerframe}{c}
1633 % \setkeys{beamerframe}{noframenumbering}
1634 % \centering
1635 \setbeamertemplate{background-canvas}[standin/\prop_item:Nn \l__gotham_template_name_prop {
1636 % \usebeamertemplate{background-canvas}%[standin/gotham]
1637 \usebeamerfont{standin}
1638 %
1639 % Uncomment this if-condition to have a 'light' frametitle in 'transparent' color-mode.
1640 % \ifbeamercoloreempty[bg]{normal-text}{
1641 % %true : empty background (transparent)
1642 % \setbeamercolor{frametitle}{
1643 % use=normal-text,
1644 % bg=colorBG,
1645 % fg=normal-text.fg
1646 % }
1647 % }{
1648 % false
1649 \setbeamercolor{frametitle}{
1650 use=normal-text,
1651 bg=normal-text.bg,
1652 fg=normal-text.fg
1653 }
1654 % }
1655 % \setbeamercolor{frametitle}{
1656 % use=normal-text,
1657 % bg=normal-text.bg,
1658 % fg=normal-text.fg
1659 % }
1660 }

```

(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.

```

1661 \newenvironment{standinenv}{

```

```

1662 \usebeamertemplate{standin}
1663 }{}
1664 \__gotham_add_beamerframe_key:n {standin}

```

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

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

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

```

1665 \keys_define:nn { gotham / inner }
1666 {
1667 % standout BG template
1668 standout~BG~template .usage:n = { general },
1669 standout~BG~template .default:n = { gotham },
1670 standout~BG~template .code:n = {
1671 \__gotham_set_prop_template:nn{background-canvas/standout}{#1}
1672 },
1673 }
1674 \keys_define:nn { gotham / inner }
1675 {
1676 % standin BG template
1677 standin~BG~template .usage:n = { general },
1678 standin~BG~template .default:n = { gotham },
1679 standin~BG~template .code:n = {
1680 \__gotham_set_prop_template:nn{background-canvas/standin}{#1}
1681 },
1682 }
1683 \keys_define:nn { gotham / inner }
1684 {
1685 % standout template
1686 standout~template .usage:n = { general },
1687 standout~template .default:n = { gotham },
1688 standout~template .code:n = {
1689 \__gotham_set_template:nn{standout}{#1}
1690 },
1691 }
1692 \keys_define:nn { gotham / inner }
1693 {
1694 % standin template
1695 standin~template .usage:n = { general },
1696 standin~template .default:n = { gotham },
1697 standin~template .code:n = {
1698 \__gotham_set_template:nn{standin}{#1}
1699 },
1700 }

```

(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`.

```

1701 \bool_new:N \l_gotham_partframe
1702 \bool_set_false:N \l_gotham_partframe

```

```

1703 \define@key{beamerframe}{part}[true]{
1704   \bool_set_true:N \l_gotham_partframe
1705   \begingroup
1706   \usebeamertemplate{part~frame}
1707 }
1708 \apptocmd{\beamer@reseteecodes}{
1709   \bool_if:NTF \l_gotham_partframe {
1710     \endgroup
1711     \bool_set_false:N \l_gotham_partframe
1712   }}
1713 }{}{}
1714 % \define@key{beamerframe}{part}[true]{
1715 %   \thispagestyle{navigation@part}
1716 % }
1717 % \def\ps@navigation@part{
1718 %   \usebeamertemplate{part~frame}
1719 %   \@nameuse{ps@navigation}
1720 % }

```

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

`\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*.

```

1721 \bool_new:N \l_gotham_sectionframe
1722 \bool_set_false:N \l_gotham_sectionframe
1723 \define@key{beamerframe}{section}[true]{
1724   \bool_set_true:N \l_gotham_sectionframe
1725   \begingroup
1726   \usebeamertemplate{section~frame}
1727 }
1728 \apptocmd{\beamer@reseteecodes}{
1729   \bool_if:NTF \l_gotham_sectionframe {
1730     \endgroup
1731     \bool_set_false:N \l_gotham_sectionframe
1732   }}
1733 }{}{}
1734 % \define@key{beamerframe}{section}[true]{
1735 %   \thispagestyle{navigation@section}
1736 % }
1737 % \def\ps@navigation@section{
1738 %   \usebeamertemplate{section~frame}
1739 %   \@nameuse{ps@navigation}
1740 % }

```

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

`\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*.

```

1741 \bool_new:N \l_gotham_subsectionframe
1742 \bool_set_false:N \l_gotham_subsectionframe

```

```

1743 \define@key{beamerframe}{subsec}[true]{
1744 \bool_set_true:N \l_gotham_subsectionframe
1745 \begingroup
1746 \usebeamertemplate{subsection~frame}
1747 }
1748 \apptocmd{\beamer@reseteecodes}{
1749 \bool_if:NTF \l_gotham_subsectionframe {
1750 \endgroup
1751 \bool_set_false:N \l_gotham_subsectionframe
1752 }{}}
1753 }{}{}
1754 % \define@key{beamerframe}{subsec}[true]{
1755 % \thispagestyle{navigation@subsec}
1756 % }
1757 % \def\ps@navigation@subsec{
1758 % \usebeamertemplate{subsection~frame}
1759 % \@nameuse{ps@navigation}
1760 % }

```

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

`\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*.

```

1761 \bool_new:N \l_gotham_subsubsectionframe
1762 \bool_set_false:N \l_gotham_subsubsectionframe
1763 \define@key{beamerframe}{subsubsec}[true]{
1764 \bool_set_true:N \l_gotham_subsubsectionframe
1765 \begingroup
1766 \usebeamertemplate{subsubsection~frame}
1767 }
1768 \apptocmd{\beamer@reseteecodes}{
1769 \bool_if:NTF \l_gotham_subsubsectionframe {
1770 \endgroup
1771 \bool_set_false:N \l_gotham_subsubsectionframe
1772 }{}}
1773 }{}{}
1774 % \define@key{beamerframe}{subsubsec}[true]{
1775 % \thispagestyle{navigation@subsubsec}
1776 % }
1777 % \def\ps@navigation@subsubsec{
1778 % \usebeamertemplate{subsubsection~frame}
1779 % \@nameuse{ps@navigation}
1780 % }

```

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

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

```

1781 % repeated from BeamerExtra
1782 \providebool{partContent}
1783 \booltrue{partContent}
1784 \providecommand{\partContentName}{Part~content}

```

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

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

```
1785 \providebool{sectionContent}
1786 \booltrue{sectionContent}
1787 \providecommand{\secContentName}{Section~content}
```

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

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

```
1788 \providebool{subsectionContent}
1789 \booltrue{subsectionContent}
1790 \providecommand{\subsecContentName}{Subsection~content}
```

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

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

```
1791 % Subsubsection is not useful (at least up to understanding of the moment) because we do not
1792 \providebool{subsubsectionContent}
1793 \booltrue{subsubsectionContent}
1794 \providecommand{\subsubsecContentName}{Subsubsection~content}
```

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

`\defbeamertemplate{part-title}{gotham}`
`\defbeamertemplate{section-title}{gotham}`
`\defbeamertemplate{subsection-title}{gotham}` Definitions of templates controlling how will appear the name/title of the parts, sections, subsections and subsubsections.
The following test files are used for this code: gotham-test-041.

```
1795 \def\partname{\translate{Part}}
1796 \defbeamertemplate*{part~title}{gotham}{
1797   \usebeamerfont{fg}{part~title}
1798   \usebeamerfont{part~title}
1799   \partname \ \insertromanpartnumber
1800   \[1.75ex]
1801   \insertpart
1802 }
1803 \defbeamertemplate*{section~title}{gotham}{
1804   \usebeamerfont{fg}{section~title}
1805   \usebeamerfont{section~title}
1806   \insertsectionnumber.~
1807   \insertsectionhead
1808 }
1809 \defbeamertemplate*{subsection~title}{gotham}{
1810   \usebeamerfont{fg}{subsection~title}
1811   \usebeamerfont{subsection~title}
1812   \insertsectionnumber.\insertsubsectionnumber.~
1813   \insertsubsectionhead
1814 }
```

```

1815 \def\subsubsectionname{\translate{Subsubsection}}
1816 \def\insertsubsubsectionnumber{\arabic{subsubsection}}
1817 \def\subsubsectionpage{\usebeamertemplate*{subsubsection~page}}
1818 \defbeamertemplate*{subsubsection~title}{gotham}{
1819 \usebeamercolor[fg]{subsubsection~title}
1820 \usebeamerfont{subsubsection~title}
1821 \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
1822 \insertsubsubsectionhead
1823 }

```

(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 1824 \providecommand{\partpageOptions}{noframenumbering}
\subsubsectionpageOptions 1825 \providecommand{\sectionpageOptions}{noframenumbering}
1826 \providecommand{\subsectionpageOptions}{noframenumbering}
1827 \providecommand{\subsubsectionpageOptions}{noframenumbering}

```

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

```

\partpageTocOptions Options used in \begin{frame}[\partpageTocOptions,tocpart]{toc part page...}
\sectionpageTocOptions . TESTED in gotham-test-1039
\subsectionpageTocOptions 1828 \providecommand{\partpageTocOptions}{noframenumbering}
\subsubsectionpageTocOptions 1829 \providecommand{\sectionpageTocOptions}{noframenumbering}
1830 \providecommand{\subsectionpageTocOptions}{noframenumbering}
1831 % \providecommand{\subsubsectionpageTocOptions}{noframenumbering}

```

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

```

\partTocOptions Options used in \tableofcontents[\partTocOptions] . TESTED in gotham-test-1039
\sectionTocOptions
\subsectionTocOptions 1832 \providecommand{\partTocOptions}{
1833 \providecommand{\sectionTocOptions}{
1834 currentsection, currentsubsection,
1835 hideothersubsections,
1836 sectionstyle=show/shaded,
1837 }
1838 \providecommand{\subsectionTocOptions}{
1839 currentsection, currentsubsection,
1840 % currentsubsubsection,
1841 hideothersubsections,
1842 sectionstyle=show/shaded,
1843 subsectionstyle=show/shaded/hide,
1844 subsubsectionstyle=show/show/hide,
1845 }
1846 % \providecommand{\subsubsectionTocOptions}{

```

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

```
\_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.

```
1847 \cs_new_protected:Nn \_gotham_inner_disable_partpage:  
1848 {  
1849   \AtBeginPart{  
1850     % intentionally empty  
1851   }  
1852 }  
1853  
1854 \cs_new_protected:Nn \_gotham_inner_enable_partpage:  
1855 {  
1856   \AtBeginPart{  
1857     \ifbeamer@inframe  
1858       \partpage  
1859     \else  
1860       \ifdefempty{\partpageOptions}{  
1861         % empty partpageOptions command  
1862         \frame[c, part]{\partpage}  
1863       }{  
1864         % non-empty partpageOptions command  
1865         % so store the options in an intermediate variable to expand  
1866         \edef\l__gotham_partpageOptions_tmp{c, \partpageOptions, part}  
1867         % Give these options expanded to the frame command  
1868         \expandafter\frame\expandafter[\l__gotham_partpageOptions_tmp]{\partpage}  
1869       }  
1870     \fi  
1871  
1872     \ifbool{partContent}{  
1873       % true  
1874       \ifdefempty{\partpageTocOptions}{  
1875         % empty partpageTocOptions command so let's create a frame with simply tocpart option  
1876         \frame[tocpart]{  
1877           \ifdefempty{\partContentName}{}{\frametitle{\partContentName}}  
1878           {  
1879             \expandafter\tableofcontents\expandafter[\partTocOptions]  
1880           }  
1881         }  
1882       }{  
1883         % non-empty partpageTocOptions command so store the options in an intermediate variable  
1884         \edef\l__gotham_partpageTocOptions_tmp{\partpageTocOptions , tocpart}  
1885         % Give these options expanded to the frame command  
1886         \expandafter\frame\expandafter[\l__gotham_partpageTocOptions_tmp]{  
1887           \ifdefempty{\partContentName}{}{\frametitle{\partContentName}}  
1888           {  
1889             \expandafter\tableofcontents\expandafter[\partTocOptions]  
1890           }  
1891         }  
1892       }  
1893     }{  
1894       % else empty  
1895     }  
1896   }  
1897 }
```

```
\_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.

```
1898 \cs_new_protected:Nn \_gotham_inner_disable_sectionpage:  
1899 {  
1900 \AtBeginSection{  
1901 % intentionally empty  
1902 }  
1903 }  
1904  
1905 \cs_new_protected:Nn \_gotham_inner_enable_sectionpage:  
1906 {  
1907 \AtBeginSection{  
1908 \ifbeamer@inframe  
1909 \sectionpage  
1910 \else  
1911 \ifdefempty{\sectionpageOptions}{  
1912 % empty sectionpageOptions command  
1913 \frame[c, section]{\sectionpage}  
1914 }{  
1915 % non-empty sectionpageOptions command  
1916 % so store the options in an intermediate variable to expand  
1917 \edef\l__gotham_sectionpageOptions_tmp{c, \sectionpageOptions, section}  
1918 % Give these options expanded to the frame command  
1919 \expandafter\frame\expandafter[\l__gotham_sectionpageOptions_tmp]{\sectionpage}  
1920 }  
1921 \fi  
1922  
1923 \ifbool{sectionContent}{  
1924 % true  
1925 \ifdefempty{\sectionpageTocOptions}{  
1926 % empty sectionpageTocOptions command so let's create a frame with simply tocsec option  
1927 \frame[tocsec]{  
1928 \ifdefempty{\secContentName}{\frametitle{\secContentName}}  
1929 {  
1930 \expandafter\tableofcontents\expandafter[\sectionTocOptions]  
1931 }  
1932 }  
1933 }{  
1934 % non-empty sectionpageTocOptions command so store the options in an intermediate variab  
1935 \edef\l__gotham_sectionpageTocOptions_tmp{\sectionpageTocOptions , tocsec}  
1936 % Give these options expanded to the frame command  
1937 \expandafter\frame\expandafter[\l__gotham_sectionpageTocOptions_tmp]{  
1938 \ifdefempty{\secContentName}{\frametitle{\secContentName}}  
1939 {  
1940 \expandafter\tableofcontents\expandafter[\sectionTocOptions]  
1941 }  
1942 }  
1943 }  
1944 }{  
1945 % else empty  
1946 }  
1947 }  
1948 }
```

`_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.

```
1949 \cs_new_protected:Nn \_gotham_inner_disable_subsectionpage:
1950 {
1951   \AtBeginSubsection{
1952     % intentionally empty
1953   }
1954 }
1955
1956 \cs_new_protected:Nn \_gotham_inner_enable_subsectionpage:
1957 {
1958   \AtBeginSubsection{
1959     \ifbeamer@inframe
1960       \subsectionpage
1961     \else
1962       \ifdefempty{\subsectionpageOptions}{
1963         % empty subsectionpageOptions command
1964         \frame[c, subsec]{\subsectionpage}
1965       }{
1966         % non-empty subsectionpageOptions command
1967         % so store the options in an intermediate variable to expand
1968         \edef\l__gotham_subsectionpageOptions_tmp{c, \subsectionpageOptions, subsec}
1969         % Give these options expanded to the frame command
1970         \expandafter\frame\expandafter[\l__gotham_subsectionpageOptions_tmp]{\subsectionpage}
1971       }
1972   \fi
1973
1974   \ifbool{subsectionContent}{
1975     % true
1976     \ifdefempty{\subsectionpageTocOptions}{
1977       % empty subsectionpageTocOptions command so let's create a frame with simply tocsubsec o
1978       \frame[tocsubsec]{
1979         \ifdefempty{\subsecContentName}{\frametitle{\subsecContentName}}
1980         {
1981           \expandafter\tableofcontents\expandafter[\subsectionpageTocOptions]
1982         }
1983       }
1984     }{
1985       % non-empty subsectionpageTocOptions command so store the options in an intermediate var
1986       \edef\l__gotham_subsectionpageTocOptions_tmp{\subsectionpageTocOptions , tocsubsec}
1987       % Give these options expanded to the frame command
1988       \expandafter\frame\expandafter[\l__gotham_subsectionpageTocOptions_tmp]{
1989         \ifdefempty{\subsecContentName}{\frametitle{\subsecContentName}}
1990         {
1991           \expandafter\tableofcontents\expandafter[\subsectionpageTocOptions]
1992         }
1993       }
1994     }
1995   }{
1996     % else empty
1997   }
1998 }
1999 }
```

`_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.

```
2000 \cs_new_protected:Nn \_gotham_inner_disable_subsubsectionpage:
2001 {
2002   \AtBeginSubsubsection{
2003     % intentionally empty
2004   }
2005 }
2006
2007 \cs_new_protected:Nn \_gotham_inner_enable_subsubsectionpage:
2008 {
2009   \AtBeginSubsubsection{
2010     \ifbeamer@inframe
2011       \subsubsectionpage
2012     \else
2013       \ifdefempty{\subsubsectionpageOptions}{
2014         % empty command
2015         \frame[c, subsubsec]{\subsubsectionpage}
2016       }{
2017         % non-empty command
2018
2019         % store temporary the options
2020         \edef\l__gotham_subsubsectionpageOptions_tmp{c,\subsubsectionpageOptions,subsubsec}%{c,s
2021         % Give these options expanded to the frame command
2022         \expandafter\frame\expandafter[\l__gotham_subsubsectionpageOptions_tmp]{\subsubsection
2023       }
2024     \fi
2025
2026     % I don't think anyone will use this for now. But, just in case I keep it commented.
2027     % \ifbool{subsubsectionContent}{
2028     %   % true
2029     %   \ifdefempty{\subsubsectionpageTocOptions}{
2030     %     % empty command
2031     %     \begin{frame}[tocsubsubsec]
2032     %   }{
2033     %     % non-empty command
2034     %     \begin{frame}[\expandafter\subsubsectionpageTocOptions, tocsubsubsec]
2035     %   }
2036     %   \ifdefempty{\subsubsecContentName}{\frame{title{\subsubsecContentName}}
2037     %   {
2038     %     \expandafter\tableofcontents\expandafter[\subsubsectionTocOptions]
2039     %   }
2040     %   \end{frame}
2041     % }{
2042     %   % else empty
2043     % }
2044   }
2045 }
```

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

```

2046 % horizontal size of the bar (used internally and set to |\textwidth|.
2047 \newlength{\gotham@progressonsectionpage}
2048 % vertical size of the bar
2049 \newlength{\gothamProgressSectionHeight}
2050 \setlength{\gothamProgressSectionHeight}{3pt}

```

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

`\template{progress-bar-in-section-page}{empty}` Templates to disable or enable the display of the progress bar in section pages.
`\template{progress-bar-in-section-page}{display}` *The following test files are used for this code: gotham-test-041.*

```

2051 \defbeamertemplate{progress-bar~in~section~page}{empty}{
2052 \vspace{\gothamProgressSectionHeight+1ex}
2053 }
2054
2055 \def\inserttotalframenummer{100}
2056 \defbeamertemplate{progress-bar~in~section~page}{display}{
2057 \setlength{\gotham@progressonsectionpage}{
2058 \textwidth * \ratio{\insertframenummer~pt}{\inserttotalframenummer~pt}
2059 }
2060 \begin{tikzpicture}
2061 \fill[bg] (0,0) rectangle (\textwidth, \gothamProgressSectionHeight);
2062 \fill[fg] (0,0) rectangle (\gotham@progressonsectionpage, \gothamProgressSectionHeight);
2063 \end{tikzpicture}
2064 }

```

(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.

```

2065 \newlength{\sectionoffset}
2066 \setlength{\sectionoffset}{0pt}

```

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

`\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.

```

2067 \defbeamertemplate{part~page}{progressbar/simple}{
2068 %\frametitle{toto section}
2069 \centering
2070 \hspace*{\sectionoffset}
2071 \begin{minipage}{22em}
2072 % \raggedright
2073 \centering
2074 \usebeamertemplate*{part~title}\[-1ex]
2075 \usebeamertemplate*{progress~bar~in~section~page}
2076 \par
2077 \end{minipage}
2078 \par
2079 \vspace{\baselineskip}
2080 }
2081 \defbeamertemplate{section~page}{progressbar/simple}{

```

```

2082 %\frametitle{toto section}
2083 \centering
2084 \hspace*{\sectionoffset}
2085 \begin{minipage}{22em}
2086 \raggedright
2087 \usebeamertemplate*{section~title}\[-1ex]
2088 \usebeamertemplate*{progress~bar~in~section~page}
2089 \par
2090 \end{minipage}
2091 \par
2092 \vspace{\baselineskip}
2093 }
2094 \defbeamertemplate{subsection~page}{progressbar/simple}{
2095 %\frametitle{toto section}
2096 \centering
2097 \hspace*{\sectionoffset}
2098 \begin{minipage}{22em}
2099 \raggedright
2100 \usebeamertemplate*{section~title}\[-1ex]
2101 \usebeamertemplate*{progress~bar~in~section~page}
2102 \par
2103 \usebeamertemplate*{subsection~title}
2104 \end{minipage}
2105 \par
2106 \vspace{\baselineskip}
2107 }
2108 \defbeamertemplate{subsubsection~page}{progressbar/simple}{
2109 % \frametitle{toto section}
2110 \centering
2111 \hspace*{\sectionoffset}
2112 \begin{minipage}{22em}
2113 \raggedright
2114 \usebeamertemplate*{section~title}\[-1ex]
2115 \usebeamertemplate*{progress~bar~in~section~page}
2116 \par
2117 \usebeamertemplate*{subsection~title}
2118 \par
2119 \usebeamertemplate*{subsubsection~title}
2120 \end{minipage}
2121 \par
2122 \vspace{\baselineskip}
2123 }

```

(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*.

```

2124 \defbeamertemplate{background~canvas}{part/gotham}{
2125 \ifbeamercolorempy[bg]{normal~text}{\color{bg}\vrule width\paperwidth height\paperheight}
2126 }
2127 \defbeamertemplate{background~canvas}{section/gotham}{
2128 \setbeamertemplate{background~canvas}[part/gotham]
2129 \usebeamertemplate{background~canvas}

```

```

2130 }
2131 \defbeamertemplate{background~canvas}{subsection/gotham}{
2132 \setbeamertemplate{background~canvas}[part/gotham]
2133 \usebeamertemplate{background~canvas}
2134 }
2135 \defbeamertemplate{background~canvas}{subsubsection/gotham}{
2136 \setbeamertemplate{background~canvas}[part/gotham]
2137 \usebeamertemplate{background~canvas}
2138 }

```

(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.

```

2139 \defbeamertemplate{part~frame}{gotham~simple}{
2140 \setbeamertemplate{background~canvas}[part/gotham]
2141 \setbeamercolor{frametitle}{
2142 use={frametitleSection, normal~text},
2143 bg=frametitleSection.fg,
2144 fg=normal~text.fg
2145 }
2146 \setbeamertemplate{progress~bar~in~section~page}[empty]
2147 \setbeamertemplate{part~page}[progressbar/simple]
2148 % \usebeamertemplate*{part~page}% activated automatically
2149 }
2150
2151 \defbeamertemplate{section~frame}{gotham~simple}{
2152 \setbeamertemplate{background~canvas}[section/gotham]
2153 \setbeamercolor{frametitle}{
2154 use={frametitleSection, normal~text},
2155 bg=frametitleSection.fg,
2156 fg=normal~text.fg
2157 }
2158 \setbeamertemplate{progress~bar~in~section~page}[empty]
2159 \setbeamertemplate{section~page}[progressbar/simple]
2160 % \usebeamertemplate*{section~page}% activated automatically
2161 }
2162
2163 \defbeamertemplate{subsection~frame}{gotham~simple}{
2164 \setbeamertemplate{background~canvas}[subsection/gotham]
2165 \setbeamercolor{frametitle}{
2166 use={frametitleSection, normal~text},
2167 bg=frametitleSection.fg,
2168 fg=normal~text.fg
2169 }
2170 \setbeamertemplate{progress~bar~in~section~page}[empty]
2171 \setbeamertemplate{subsection~page}[progressbar/simple]
2172 % \usebeamertemplate*{subsection~page}% activated automatically
2173 }
2174
2175 \defbeamertemplate{subsubsection~frame}{gotham~simple}{
2176 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2177 \setbeamercolor{frametitle}{

```

```

2178 use={frametitleSection, normal~text},
2179 bg=frametitleSection.fg,
2180 fg=normal~text.fg
2181 }
2182 \setbeamertemplate{progress~bar~in~section~page}[empty]
2183 \setbeamertemplate{subsubsection~page}[progressbar/simple]
2184 % \usebeamertemplate*{subsubsection~page}% activated automatically
2185 }

```

(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*.

```

2186 \defbeamertemplate{part~frame}{gotham~progressbar}{
2187 \setbeamertemplate{background~canvas}[part/gotham]
2188 \setbeamercolor{frametitle}{
2189 use={frametitleSection, normal~text},
2190 bg=frametitleSection.fg,
2191 fg=normal~text.fg
2192 }
2193 \setbeamertemplate{progress~bar~in~section~page}[display]
2194 \setbeamertemplate{part~page}[progressbar/simple]
2195 % \usebeamertemplate*{part~page}% activated automatically
2196 }
2197
2198 \defbeamertemplate{section~frame}{gotham~progressbar}{
2199 \setbeamertemplate{background~canvas}[section/gotham]
2200 \setbeamercolor{frametitle}{
2201 use={frametitleSection, normal~text},
2202 bg=frametitleSection.fg,
2203 fg=normal~text.fg
2204 }
2205 \setbeamertemplate{progress~bar~in~section~page}[display]
2206 \setbeamertemplate{section~page}[progressbar/simple]
2207 % \usebeamertemplate*{section~page}% activated automatically
2208 }
2209
2210 \defbeamertemplate{subsection~frame}{gotham~progressbar}{
2211 \setbeamertemplate{background~canvas}[subsection/gotham]
2212 \setbeamercolor{frametitle}{
2213 use={frametitleSection, normal~text},
2214 bg=frametitleSection.fg,
2215 fg=normal~text.fg
2216 }
2217 \setbeamertemplate{progress~bar~in~section~page}[display]
2218 \setbeamertemplate{subsection~page}[progressbar/simple]
2219 % \usebeamertemplate*{subsection~page}% activated automatically
2220 }
2221
2222 \defbeamertemplate{subsubsection~frame}{gotham~progressbar}{
2223 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2224 \setbeamercolor{frametitle}{

```

```

2225 use={frametitleSection, normal~text},
2226 bg=frametitleSection.fg,
2227 fg=normal~text.fg
2228 }
2229 \setbeamertemplate{progress~bar~in~section~page}[display]
2230 \setbeamertemplate{subsubsection~page}[progressbar/simple]
2231 % \usebeamertemplate*{subsubsection~page}% activated automatically
2232 }

```

(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*.

```

2233 \defbeamertemplate{progress~bar~in~splitvert}{empty}{
2234   \vspace{-0.5ex}
2235 }
2236
2237 \defbeamertemplate*{progress~bar~in~splitvert}{display}{
2238   % \nointerlineskip
2239   \setlength{\gotham@progressonsectionpage}{
2240     \paperwidth * \ratio{\insertframenumbers pt}{\inserttotalframenumbers pt}
2241   }
2242   \begin{tikzpicture}
2243     \fill[bg] (0,0) rectangle (\paperwidth, \gothamProgressSectionHeight);
2244     \fill[fg] (0,0) rectangle (\gotham@progressonsectionpage, \gothamProgressSectionHeight);
2245   \end{tikzpicture}
2246 }

```

(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~frame}{gotham~splitvert~progressbar}`
`\setbeamertemplate{subsubsection~frame}{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*.

```

2247 % Part page splitvert.
2248 \defbeamertemplate{part~page}{gotham~splitvert~progressbar/simple}{
2249   % \frametitle{part!}
2250   % \IfEmpty{\insertframetitle}{
2251     \ifx\beamer@frametitle\@empty
2252       \vspace*{-0.05\paperheight}
2253     \else %}{
2254       \vspace*{-0.165\paperheight}
2255     \fi %}
2256   {
2257     \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2258     \begin{tikzpicture}[overlay, remember~picture]
2259       \fill[color=gotham@@tempColor] (current~page.north~west) rectangle ([shift = {(0, -0.45\p}
2260     \end{tikzpicture}
2261   }
2262
2263   % \hspace*{\sectionhoffset}

```

```

2264 \begin{minipage}[b][0.45\paperheight]{\textwidth}
2265 \centering
2266 \usebeamertemplate*{part~title}
2267 \end{minipage}
2268 \\[-0.1\baselineskip]
2269 \hspace*{-1.0cm}\noindent
2270 \usebeamertemplate*{progress~bar~in~splitvert}
2271
2272 \newline
2273 \begin{minipage}[t][0.5\paperheight]{\textwidth}
2274 % \vspace{0.5\baselineskip}
2275 % \usebeamerfont{subsection~tttitle}
2276 % \usebeamercolor[bg]{frametitle}
2277 % empty
2278 \end{minipage}
2279 }
2280 \defbeamertemplate{part~frame}{gotham~splitvert~progressbar}{
2281 \setbeamertemplate{background~canvas}[part/gotham]
2282 % \setbeamercolor{frametitle}{}
2283 % \setlength{\sectionoffset}{1cm}
2284 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}
2285 \setbeamertemplate{progress~bar~in~splitvert}[display]
2286 \setbeamertemplate{part~page}[gotham~splitvert~progressbar/simple]
2287 % \usebeamertemplate*{part~page}% activated automatically
2288 }
2289 \defbeamertemplate{part~frame}{gotham~splitvert~simple}{
2290 \setbeamertemplate{background~canvas}[part/gotham]
2291 % \setbeamercolor{frametitle}{}
2292 % \setlength{\sectionoffset}{1cm}
2293 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}
2294 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2295 \setbeamertemplate{part~page}[gotham~splitvert~progressbar/simple]
2296 % \usebeamertemplate*{part~page}% activated automatically
2297 }
2298
2299 % Section page splitvert.
2300 \defbeamertemplate{section~page}{gotham~splitvert~progressbar/simple}{
2301 % \frametitle{section!}
2302 % \IfEmpty{\insertframetitle}{
2303 \ifx\beamer@frametitle\@empty
2304 \vspace*{-0.05\paperheight}
2305 \else %}{
2306 \vspace*{-0.165\paperheight}
2307 \fi %}
2308 {
2309 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2310 \begin{tikzpicture}[overlay, remember~picture]
2311 \fill[color=gotham@tempColor] (current~page.north~west) rectangle ([shift = {(0, -0.45\p
2312 \end{tikzpicture}
2313 }
2314
2315 \hspace*{\sectionoffset}
2316 \begin{minipage}[b][0.45\paperheight]{\textwidth}
2317 \usebeamertemplate*{section~title}

```



```

2318 \end{minipage}
2319 \[-0.1\baselineskip]
2320 \hspace*{-1.0cm}\noindent
2321 \usebeamertemplate*{progress~bar~in~splitvert}
2322
2323 \newline
2324 \hspace*{\sectionoffset}
2325 \begin{minipage}[t][0.5\paperheight]{\textwidth}
2326 % \vspace{0.5\baselineskip}
2327 \usebeamerfont{subsection~title}
2328 \usebeamercolor[bg]{frametitle}
2329 % empty
2330 \end{minipage}
2331 }
2332 \defbeamertemplate{section~frame}{gotham~splitvert~progressbar}{
2333 \setbeamertemplate{background~canvas}[section/gotham]
2334 % \setbeamercolor{frametitle}{}
2335 \setlength{\sectionoffset}{1cm}
2336 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2337 \setbeamertemplate{progress~bar~in~splitvert}[display]
2338 \setbeamertemplate{section~page}[gotham~splitvert~progressbar/simple]
2339 % \usebeamertemplate*{section~page}% activated automatically
2340 }
2341 \defbeamertemplate{section~frame}{gotham~splitvert~simple}{
2342 \setbeamertemplate{background~canvas}[section/gotham]
2343 % \setbeamercolor{frametitle}{}
2344 \setlength{\sectionoffset}{1cm}
2345 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2346 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2347 \setbeamertemplate{section~page}[gotham~splitvert~progressbar/simple]
2348 % \usebeamertemplate*{section~page}% activated automatically
2349 }
2350
2351 % Subsection page splitvert.
2352 \defbeamertemplate{subsection~page}{gotham~splitvert~progressbar/simple}{
2353 % \frametitle{subsection!}
2354 % \IfEmpty{\insertframetitle}{
2355 \ifx\beamer@frametitle\@empty
2356 \vspace*{-0.05\paperheight}
2357 \else %}{
2358 \vspace*{-0.165\paperheight}
2359 \fi %}
2360 {
2361 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2362 \begin{tikzpicture}[overlay, remember~picture]
2363 \fill[color=gotham@tempColor] (current~page.north~west) rectangle ([shift = {(0, -0.45\p
2364 \end{tikzpicture}
2365 }
2366
2367 \hspace*{\sectionoffset}
2368 \begin{minipage}[b][0.45\paperheight]{\textwidth}
2369 \usebeamertemplate*{section~title}
2370 \end{minipage}
2371 \[-0.1\baselineskip]

```

```

2372 \hspace*{-1.0cm}\noindent
2373 \usebeamertemplate*{progress-bar-in-splitvert}
2374
2375 \newline
2376 \hspace*{\sectionoffset}
2377 \begin{minipage}[t][0.5\paperheight]{\textwidth}
2378 % \vspace{0.5\baselineskip}
2379 \usebeamerfont{subsection~title}
2380 \usebeamercolor[bg]{frametitle}
2381 \usebeamertemplate*{subsection~title}
2382 % \par
2383 % \vspace{1em}%phantom subsection
2384 \end{minipage}
2385 }
2386 \defbeamertemplate{subsection~frame}{gotham-splitvert-progressbar}{
2387 \setbeamertemplate{background~canvas}[subsection/gotham]
2388 % \setbeamercolor{frametitle}{}
2389 \setlength{\sectionoffset}{1cm}
2390 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2391 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2392 \setbeamertemplate{progress-bar-in-splitvert}[display]
2393 \setbeamertemplate{subsection~page}[gotham-splitvert-progressbar/simple]
2394 % \usebeamertemplate*{subsection~page}% activated automatically
2395 }
2396 \defbeamertemplate{subsection~frame}{gotham-splitvert-simple}{
2397 \setbeamertemplate{background~canvas}[subsection/gotham]
2398 % \setbeamercolor{frametitle}{}
2399 \setlength{\sectionoffset}{1cm}
2400 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2401 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2402 \setbeamertemplate{progress-bar-in-splitvert}[empty]
2403 \setbeamertemplate{subsection~page}[gotham-splitvert-progressbar/simple]
2404 % \usebeamertemplate*{subsection~page}% activated automatically
2405 }
2406
2407 % Subsubsection page splitvert.
2408 \defbeamertemplate{subsubsection~page}{gotham-splitvert-progressbar/simple}{
2409 % \frametitle{subsubsection!}
2410 % \IfEmpty{\insertframetitle}{
2411 \ifx\beamer@frametitle\@empty
2412 \vspace*{-0.05\paperheight}
2413 \else %}{
2414 \vspace*{-0.165\paperheight}
2415 \fi %}
2416 {
2417 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2418 \begin{tikzpicture}[overlay, remember-picture]
2419 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2420 \end{tikzpicture}
2421 }
2422
2423 \hspace*{\sectionoffset}
2424 \begin{minipage}[b][0.45\paperheight]{\textwidth}
2425 \usebeamertemplate*{section~title}

```

```

2426 \end{minipage}
2427 \[-0.1\baselineskip]
2428 \hspace*{-1.0cm}\noindent
2429 \usebeamertemplate*{progress~bar~in~splitvert}
2430
2431 \newline
2432 \hspace*{\sectionhoffset}
2433 \begin{minipage}[t][0.5\paperheight]{\textwidth}
2434 % \vspace{0.5\baselineskip}
2435 \usebeamerfont{subsubsection~title}
2436 \usebeamercolor[bg]{frametitle}
2437 \usebeamertemplate*{subsection~title}
2438 \par
2439 \usebeamertemplate*{subsubsection~title}
2440 \end{minipage}
2441 }
2442 \defbeamertemplate{subsubsection~frame}{gotham~splitvert~progressbar}{
2443 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2444 % \setbeamercolor{frametitle}{}
2445 \setlength{\sectionhoffset}{1cm}
2446 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2447 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2448 \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2449 \setbeamertemplate{progress~bar~in~splitvert}[display]
2450 \setbeamertemplate{subsubsection~page}[gotham~splitvert~progressbar/simple]
2451 % \usebeamertemplate*{subsubsection~page}% activated automatically
2452 }
2453 \defbeamertemplate{subsubsection~frame}{gotham~splitvert~simple}{
2454 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2455 % \setbeamercolor{frametitle}{}
2456 \setlength{\sectionhoffset}{1cm}
2457 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2458 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2459 \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2460 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2461 \setbeamertemplate{subsubsection~page}[gotham~splitvert~progressbar/simple]
2462 % \usebeamertemplate*{subsubsection~page}% activated automatically
2463 }

```

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

on|subsubsection_page}{gotham_progressvert}
n|subsubsection_frame}{gotham_progressvert}

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

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

```

2464
2465 % Part page progressvert.
2466 \defbeamertemplate{part~page}{gotham~progressvert}{
2467 % \frametitle{part!}
2468 % \IfEmpty{\insertframetitle}{
2469 \ifx\beamer@frametitle\@empty
2470 \vspace*{-0.05\paperheight}
2471 \else %}{

```

```

2472 \vspace*{-0.165\paperheight}
2473 \fi %}
2474 \setlength{\gotham@progressonsectionpage}{
2475 \paperheight * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
2476 }
2477 {
2478 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2479 \colorlet{gotham@@tempColorB}{fg}
2480 \begin{tikzpicture}[overlay, remember=picture]
2481 \fill[color=gotham@@tempColor]
2482 ([shift={(0,0)}] current~page.north~west) --
2483 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2484 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2485 ([shift={(0,0)}] current~page.north~east)
2486 --cycle;
2487 \node[color=gotham@@tempColorB, align=left, text-width=0.8\textwidth] at ([shift={(\section
2488 {
2489 \usebeamerfont{part~title}
2490 \partname \ \insertromanpartnumber
2491 \\\[1.75ex]
2492 \insertpart
2493 }
2494 }];
2495 \clip
2496 ([shift={(0,0)}] current~page.south~west) --
2497 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2498 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2499 ([shift={(0,0)}] current~page.south~east)
2500 --cycle;
2501
2502 \fill[color=gotham@@tempColorB]
2503 ([shift={(0,0)}] current~page.south~west) --
2504 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2505 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2506 ([shift={(0,0)}] current~page.south~east)
2507 --cycle;
2508 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2509 {
2510 \usebeamerfont{part~title}
2511 \partname \ \insertromanpartnumber
2512 \\\
2513 \insertpart
2514 }
2515 }];
2516 \end{tikzpicture}
2517 }
2518 }
2519 \defbeamertemplate{part~frame}{gotham~progressvert}{
2520 \setbeamertemplate{background~canvas}[part/gotham]
2521 % \setbeamercolor{frametitle}{}
2522 \setlength{\sectionoffset}{1cm}
2523 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2524 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2525 % \setbeamercolor{part~title}{use=frametitle, fg=frametitle.bg}
2526 % \setbeamertemplate{progress~bar~in~splitvert}[display]

```

```

2526 \setbeamertemplate{part~page}{gotham~progressvert}
2527 % \usebeamertemplate*{section~page}% activated automatically
2528 }
2529
2530 % Section page progressvert.
2531 \defbeamertemplate{section~page}{gotham~progressvert}{
2532 % \frametitle{section!}
2533 % \IfEmpty{\insertframetitle}{
2534 \ifx\beamer@frametitle\@empty
2535 \vspace*{-0.05\paperheight}
2536 \else %}{
2537 \vspace*{-0.165\paperheight}
2538 \fi %}
2539 \setlength{\gotham@progressonsectionpage}{
2540 \paperheight * \ratio{\insertframenumbers pt}{\inserttotalframenumbers pt}
2541 }
2542 {
2543 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2544 \colorlet{gotham@@tempColorB}{fg}
2545 \begin{tikzpicture}[overlay, remember=picture]
2546 \fill[color=gotham@@tempColor]
2547 ([shift={(0,0)}] current~page.north~west) --
2548 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2549 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2550 ([shift={(0,0)}] current~page.north~east)
2551 --cycle;
2552 \node[color=gotham@@tempColorB, align=left, text-width=0.8\textwidth] at ([shift={(\section
2553 {\usebeamerfont{section~title}
2554 \insertsectionnumber.~
2555 \insertsectionhead}
2556 });
2557
2558 \clip
2559 ([shift={(0,0)}] current~page.south~west) --
2560 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2561 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2562 ([shift={(0,0)}] current~page.south~east)
2563 --cycle;
2564
2565 \fill[color=gotham@@tempColorB]
2566 ([shift={(0,0)}] current~page.south~west) --
2567 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2568 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2569 ([shift={(0,0)}] current~page.south~east)
2570 --cycle;
2571 \node[color=gotham@@tempColor, align=left, text-width=0.8\textwidth] at ([shift={(\section
2572 {\usebeamerfont{section~title}
2573 \insertsectionnumber.~
2574 \insertsectionhead}
2575 });
2576 \end{tikzpicture}
2577 }
2578 }
2579 \defbeamertemplate{section~frame}{gotham~progressvert}{

```

```

2580 \setbeamertemplate{background~canvas}[section/gotham]
2581 % \setbeamercolor{frametitle}{}
2582 \setlength{\sectionoffset}{1cm}
2583 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2584 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2585 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2586 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2587 \setbeamertemplate{section~page}[gotham~progressvert]
2588 % \usebeamertemplate*{section~page}% activated automatically
2589 }
2590
2591 % Subection page progressvert.
2592 \defbeamertemplate{subsection~page}{gotham~progressvert}{
2593 % \frametitle{subsection!}
2594 % \IfEmpty{\insertframetitle}{
2595 \ifx\beamer@frametitle\@empty
2596 \vspace*{-0.05\paperheight}
2597 \else %}{
2598 \vspace*{-0.165\paperheight}
2599 \fi %}
2600 \setlength{\gotham@progressonsectionpage}{
2601 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2602 }
2603 {
2604 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2605 \colorlet{gotham@@tempColorB}{fg}
2606 \begin{tikzpicture}[overlay, remember~picture]
2607 \fill[color=gotham@@tempColor]
2608 ([shift={(0,0)}] current~page.north~west) --
2609 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2610 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2611 ([shift={(0,0)}] current~page.north~east)
2612 --cycle;
2613 \node[color=gotham@@tempColorB, align=left, text-width=0.8\textwidth] at ([shift={(\secti
2614 {\usebeamerfont{section~title}
2615 \insertsectionnumber.~
2616 \insertsectionhead}
2617 \\
2618 {\usebeamerfont{subsection~title}
2619 \insertsectionnumber.\insertsubsectionnumber.~
2620 \insertsubsectionhead}
2621 };
2622
2623 \clip
2624 ([shift={(0,0)}] current~page.south~west) --
2625 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2626 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2627 ([shift={(0,0)}] current~page.south~east)
2628 --cycle;
2629
2630 \fill[color=gotham@@tempColorB]
2631 ([shift={(0,0)}] current~page.south~west) --
2632 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2633 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --

```

```

2634     ([shift={(0,0)}] current~page.south~east)
2635     --cycle;
2636     \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section~title)}]
2637     {\usebeamerfont{section~title}
2638     \insertsectionnumber.~
2639     \insertsectionhead}
2640     \\
2641     {\usebeamerfont{subsection~title}
2642     \insertsectionnumber.\insertsubsectionnumber.~
2643     \insertsubsectionhead}
2644     };
2645     \end{tikzpicture}
2646   }
2647 }
2648 \defbeamertemplate{subsection~frame}{gotham~progressvert}{
2649 \setbeamertemplate{background~canvas}[subsection/gotham]
2650 % \setbeamercolor{frametitle}{}
2651 \setlength{\sectionoffset}{1cm}
2652 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2653 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2654 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2655 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2656 \setbeamertemplate{subsection~page}[gotham~progressvert]
2657 % \usebeamertemplate*{subsection~page}% activated automatically
2658 }
2659
2660 % Subsubsection page progressvert.
2661 \defbeamertemplate{subsubsection~page}{gotham~progressvert}{
2662 % \frametitle{subsubsection!}
2663 % \IfEmpty{\insertframetitle}{
2664 \ifx\beamer@frametitle\@empty
2665 \vspace*{-0.05\paperheight}
2666 \else %}{
2667 \vspace*{-0.165\paperheight}
2668 \fi %}
2669 \setlength{\gotham@progressonsectionpage}{
2670 \paperheight * \ratio{\insertframenumbers pt}{\inserttotalframenumbers pt}
2671 }
2672 {
2673 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2674 \colorlet{gotham@@tempColorB}{fg}
2675 \begin{tikzpicture}[overlay, remember~picture]
2676 \fill[color=gotham@@tempColor]
2677 ([shift={(0,0)}] current~page.north~west) --
2678 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2679 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2680 ([shift={(0,0)}] current~page.north~east)
2681 --cycle;
2682 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\section~title)}]
2683 {\usebeamerfont{section~title}
2684 \insertsectionnumber.~
2685 \insertsectionhead}
2686 \\
2687 {\usebeamerfont{subsection~title}

```

```

2688     \insertsectionnumber.\insertsubsectionnumber.~
2689     \insertsubsectionhead}
2690     \\
2691     {\usebeamerfont{subsubsection~title}
2692     \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2693     \insertsubsubsectionhead}
2694 };
2695
2696 \clip
2697   ([shift={(0,0)}] current~page.south~west) --
2698   ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2699   ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2700   ([shift={(0,0)}] current~page.south~east)
2701   --cycle;
2702
2703 \fill[color=gotham@@tempColorB]
2704   ([shift={(0,0)}] current~page.south~west) --
2705   ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2706   ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2707   ([shift={(0,0)}] current~page.south~east)
2708   --cycle;
2709 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section~title)}]
2710   {\usebeamerfont{section~title}
2711   \insertsectionnumber.~
2712   \insertsectionhead}
2713   \\
2714   {\usebeamerfont{subsection~title}
2715   \insertsectionnumber.\insertsubsectionnumber.~
2716   \insertsubsectionhead}
2717   \\
2718   {\usebeamerfont{subsubsection~title}
2719   \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2720   \insertsubsubsectionhead}
2721   };
2722 \end{tikzpicture}
2723 }
2724 }
2725 \defbeamertemplate{subsubsection~frame}{gotham~progressvert}{
2726 \setbeamertemplate{background~canvas}[subsubsection/gotham]
2727 % \setbeamercolor{frametitle}{}
2728 \setlength{\sectionoffset}{1cm}
2729 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2730 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2731 % \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2732 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2733 \setbeamertemplate{subsubsection~page}[gotham~progressvert]
2734 % \usebeamertemplate*{subsubsection~page}% activated automatically
2735 }

```

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

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

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

```
2736 \keys_define:nn { gotham / inner }{
2737 % partframe template
2738 partframe~template .usage:n = { general },
2739 partframe~template .default:n = { gotham-progressbar },
2740 partframe~template .code:n = { \__gotham_set_template:nn{part~frame}{#1} }
2741 }
2742 \keys_define:nn { gotham / inner }
2743 {
2744 % partframe default
2745 partframe~default .choice:,
2746 partframe~default .usage:n = { general },
2747 partframe~default .default:n = { true },
2748
2749 partframe~default / true .code:n = { \__gotham_inner_enable_partpage: },
2750 partframe~default / on .code:n = { \__gotham_inner_enable_partpage: },
2751 partframe~default / enable .code:n = { \__gotham_inner_enable_partpage: },
2752
2753 partframe~default / false .code:n = { \__gotham_inner_disable_partpage: },
2754 partframe~default / off .code:n = { \__gotham_inner_disable_partpage: },
2755 partframe~default / disable .code:n = { \__gotham_inner_disable_partpage: },
2756
2757 partframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is-unkn
2758 }
2759
2760 \keys_define:nn { gotham / inner }{
2761 % sectionframe template
2762 sectionframe~template .usage:n = { general },
2763 sectionframe~template .default:n = { gotham-progressbar },
2764 sectionframe~template .code:n = { \__gotham_set_template:nn{section~frame}{#1} }
2765 }
2766 \keys_define:nn { gotham / inner }
2767 {
2768 % sectionframe default
2769 sectionframe~default .choice:,
2770 sectionframe~default .usage:n = { general },
2771 sectionframe~default .default:n = { true },
2772
2773 sectionframe~default / true .code:n = { \__gotham_inner_enable_sectionpage: },
2774 sectionframe~default / on .code:n = { \__gotham_inner_enable_sectionpage: },
2775 sectionframe~default / enable .code:n = { \__gotham_inner_enable_sectionpage: },
2776
2777 sectionframe~default / false .code:n = { \__gotham_inner_disable_sectionpage: },
2778 sectionframe~default / off .code:n = { \__gotham_inner_disable_sectionpage: },
2779 sectionframe~default / disable .code:n = { \__gotham_inner_disable_sectionpage: },
2780
2781 sectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is-u
2782 }
2783
2784 \keys_define:nn { gotham / inner }{
2785 % subsectionframe template
2786 subsectionframe~template .usage:n = { general },
2787 subsectionframe~template .default:n = { gotham-progressbar },
2788 subsectionframe~template .code:n = { \__gotham_set_template:nn{subsection~frame}{#1} }
```

```

2789 }
2790 \keys_define:nn { gotham / inner }
2791 {
2792   % subsectionframe default
2793   subsectionframe~default .choice:,
2794   subsectionframe~default .usage:n = { general },
2795   subsectionframe~default .default:n = { true },
2796
2797   subsectionframe~default / true .code:n = { \__gotham_inner_enable_subsectionpage: },
2798   subsectionframe~default / on .code:n = { \__gotham_inner_enable_subsectionpage: },
2799   subsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsectionpage: },
2800
2801   subsectionframe~default / false .code:n = { \__gotham_inner_disable_subsectionpage: },
2802   subsectionframe~default / off .code:n = { \__gotham_inner_disable_subsectionpage: },
2803   subsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsectionpage: },
2804
2805   subsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'-i
2806 }
2807
2808 \keys_define:nn { gotham / inner }{
2809   % subsubsectionframe template
2810   subsubsectionframe~template .usage:n = { general },
2811   subsubsectionframe~template .default:n = { gotham~progressbar },
2812   subsubsectionframe~template .code:n = { \__gotham_set_template:nn{subsubsection~frame}{#1}
2813 }
2814 \keys_define:nn { gotham / inner }
2815 {
2816   % subsubsectionframe default
2817   subsubsectionframe~default .choice:,
2818   subsubsectionframe~default .usage:n = { general },
2819   subsubsectionframe~default .default:n = { true },
2820
2821   subsubsectionframe~default / true .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2822   subsubsectionframe~default / on .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2823   subsubsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2824
2825   subsubsectionframe~default / false .code:n = { \__gotham_inner_disable_subsubsectionpage: },
2826   subsubsectionframe~default / off .code:n = { \__gotham_inner_disable_subsubsectionpage: },
2827   subsubsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsubsectionpage: },
2828
2829   subsubsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'-i
2830 }

```

(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*.

```

2831 \tikzset{section-number/.style={
2832   circle,
2833   fill=colorAlert,
2834   minimum-size=0.4em,
2835   text=colorAlert!10,

```

```

2836   inner~sep=1.5pt,
2837 },
2838 section/.style={
2839   draw=none,
2840   rectangle,
2841   minimum-height=1em,
2842   minimum-width=0.8\textwidth,
2843   text~width=0.8\textwidth,
2844   text=fg,
2845   align=left
2846 },
2847 subsection~number/.style={
2848   circle,
2849   fill=colorBackElement!50,
2850   inner~sep=0pt,
2851   minimum~size=0.15cm,
2852 },
2853 subsection/.style={
2854   draw=none,
2855   rectangle,
2856   minimum-height=1em,
2857   minimum-width=0.8\textwidth,
2858   text~width=0.8\textwidth,
2859   text=fg!80,
2860   align=left
2861 },
2862 subsubsection~number/.style={
2863   circle,
2864   fill=colorBackElement!50,
2865   inner~sep=0pt,
2866   minimum~size=0.06cm,
2867 },
2868 subsubsection/.style={
2869   draw=none,
2870   rectangle,
2871   minimum-height=1em,
2872   minimum-width=0.8\textwidth,
2873   text~width=0.8\textwidth,
2874   text=fg!80,
2875   align=left
2876 },
2877 }

```

(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.

```

2878 \defbeamertemplate{section~in~toc}{gotham~bullet}{
2879   \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section~number]{\textbf{\inserttocsectionnumber}}
2880   \ \tikz[baseline=-0.5ex]\node[section]{\usebeamerfont*{toc~title}\inserttocsection};\[-0.3
2881   \hspace*{1.13cm}\usebeamerfont*{fg}{footer} \rule{0.6\paperwidth}{0.2pt}\par\vskip-0.35
2882 }
2883 \defbeamertemplate{subsection~in~toc}{gotham~bullet}{

```

```

2884 \leavevmode
2885 \hspace*{0.53cm}\tikz[baseline=-0.5ex]\node[subsection-number]{};
2886 \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[subsection]{\usebeamerfont*{toc-subtitle}\insert
2887 % \ [-0.2cm]
2888 \par \vspace{-0.38cm}
2889 }
2890 \defbeamertemplate{subsubsection-in-toc}{gotham-bullet}{
2891 \leavevmode
2892 \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection-number]{};
2893 \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection]{\usebeamerfont*{toc-subtitle}\insert
2894 % \ [-0.2cm]
2895 \par \vspace{-0.38cm}
2896 }
2897 % Shaded for sections already done in the presentation.
2898 \defbeamertemplate{section-in-toc-shaded}{gotham-bullet}{
2899 \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section-number, fill=colorBackElement!40]{\usebe
2900 \ \tikz[baseline=-0.5ex]\node[section, text=colorBackElement!20]{\usebeamerfont*{toc-title}
2901 \hspace*{1.13cm}{\usebeamerfont*{fg}{footer} \rule{0.6\paperwidth}{0.2pt}{\par\vskip-0.35\
2902 }
2903 \defbeamertemplate{subsection-in-toc-shaded}{gotham-bullet}{
2904 \leavevmode
2905 \hspace*{0.53cm}\tikz[baseline=-0.5ex]\node[subsection-number, fill=colorBackElement!20]{};
2906 \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[subsection, text=colorBackElement!20]{\usebeamer
2907 % \ [-0.2cm]
2908 \par \vspace{-0.38cm}
2909 }
2910 \defbeamertemplate{subsubsection-in-toc-shaded}{gotham-bullet}{
2911 \leavevmode
2912 \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection-number, fill=colorBackElement!20]{};
2913 \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection, text=colorBackElement!20]{\usebea
2914 % \ [-0.2cm]
2915 \par \vspace{-0.38cm}
2916 }

```

(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`.

```

2917 \defbeamertemplate{part-in-toc}{gotham-simple}{
2918 \leavevmode
2919 {{\inserttocpartnumber}.}~\inserttocpart
2920 % \
2921 \par \vspace{-0.2cm}
2922 }
2923 \defbeamertemplate{section-in-toc}{gotham-simple}{
2924 {{\inserttocsectionnumber}.}~\inserttocsection
2925 % \
2926 \par \vspace{-0.2cm}
2927 }
2928 \defbeamertemplate{subsection-in-toc}{gotham-simple}{
2929 \leavevmode
2930 \quad{{\inserttocsectionnumber}. \inserttocsubsectionnumber.}~\inserttocsubsection

```

```

2931 % \
2932 \par \vspace{-0.2cm}
2933 }
2934 \defbeamertemplate{subsubsection~in~toc}{gotham~simple}{
2935 \leavevmode
2936 \quad{\inserttocsectionnumber}.\inserttocsubsectionnumber.\inserttocsubsubsectionnumber.}
2937 % \
2938 \par \vspace{-0.2cm}
2939 }
2940 \defbeamertemplate{section~in~toc~shaded}{gotham~simple}{
2941 \leavevmode
2942 \begin{colormixin}{20!parent.bg}
2943 {\inserttocsectionnumber}.\inserttocsection
2944 \end{colormixin}
2945 % \
2946 \par \vspace{-0.2cm}
2947 }
2948 \defbeamertemplate{subsection~in~toc~shaded}{gotham~simple}{
2949 \leavevmode
2950 \begin{colormixin}{20!parent.bg}
2951 \quad{\inserttocsectionnumber}.\inserttocsubsection.\inserttocsubsection
2952 \end{colormixin}
2953 % \
2954 \par \vspace{-0.2cm}
2955 }
2956 \defbeamertemplate{subsubsection~in~toc~shaded}{gotham~simple}{
2957 \leavevmode
2958 \begin{colormixin}{20!parent.bg}
2959 \quad{\inserttocsectionnumber}.\inserttocsubsectionnumber.\inserttocsubsubsectionnumber.}
2960 \end{colormixin}
2961 % \
2962 \par \vspace{-0.2cm}
2963 }

```

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

`\plate{background~canvas}{toc/gotham~simple}`
`\mertemplate{toc~page}{gotham~simple|bullet}`

Definition of toc page style named gotham simple and gotham bullet, used for table of content pages. Both are using a dedicated background canvas.

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

```

2964 \defbeamertemplate{background~canvas}{toc/gotham~simple}{
2965 \ifbeamercoloreempty{bg}{standin}{}{
2966 \color{bg}\vrule width\paperwidth height\paperheight
2967 }
2968 }
2969 \defbeamertemplate{toc~page}{gotham~simple}{
2970 \setbeamertemplate{part~in~toc}[gotham~simple]
2971 \setbeamertemplate{section~in~toc}[gotham~simple]
2972 \setbeamertemplate{section~in~toc~shaded}[gotham~simple]
2973 \setbeamertemplate{subsection~in~toc}[gotham~simple]
2974 \setbeamertemplate{subsection~in~toc~shaded}[gotham~simple]
2975 \setbeamertemplate{subsubsection~in~toc}[gotham~simple]
2976 \setbeamertemplate{subsubsection~in~toc~shaded}[gotham~simple]
2977 \setbeamertemplate{background~canvas}[toc/gotham~simple]

```

```

2978 }
2979 \defbeamertemplate{toc~page}{gotham~bullet}{
2980 \setbeamertemplate{part~in~toc}[gotham~bullet]
2981 \setbeamertemplate{section~in~toc}[gotham~bullet]
2982 \setbeamertemplate{section~in~toc~shaded}[gotham~bullet]
2983 \setbeamertemplate{subsection~in~toc}[gotham~bullet]
2984 \setbeamertemplate{subsection~in~toc~shaded}[gotham~bullet]
2985 \setbeamertemplate{subsubsection~in~toc}[gotham~bullet]
2986 \setbeamertemplate{subsubsection~in~toc~shaded}[gotham~bullet]
2987 \setbeamertemplate{background~canvas}[toc/gotham~simple]
2988 }

```

(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`.

```

2989 \newenvironment{tocenv}{
2990 \usebeamertemplate{toc~page}
2991 }{}
2992 \__gotham_add_beamerframe_key:n {toc}

```

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

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

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

```

2993 \defbeamertemplate{background~canvas}{toc~part~gotham}{
2994 \ifbeamercolorempy[bg]{normal~text}{}{\color{bg}\vrule width\paperwidth height\paperheight}
2995 }
2996 \defbeamertemplate{background~canvas}{toc~section~gotham}{
2997 \ifbeamercolorempy[bg]{normal~text}{}{\color{bg}\vrule width\paperwidth height\paperheight}
2998 }
2999 \defbeamertemplate{background~canvas}{toc~subsection~gotham}{
3000 \ifbeamercolorempy[bg]{normal~text}{}{\color{bg}\vrule width\paperwidth height\paperheight}
3001 }

```

(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`.

```

3002 \defbeamertemplate{toc~part~frame}{gotham~simple}{
3003 \setbeamertemplate{part~in~toc}[gotham~simple]
3004 \setbeamertemplate{section~in~toc}[gotham~simple]
3005 \setbeamertemplate{section~in~toc~shaded}[gotham~simple]
3006 \setbeamertemplate{subsection~in~toc}[gotham~simple]
3007 \setbeamertemplate{subsection~in~toc~shaded}[gotham~simple]
3008 \setbeamertemplate{subsubsection~in~toc}[gotham~simple]
3009 \setbeamertemplate{subsubsection~in~toc~shaded}[gotham~simple]
3010 \setbeamertemplate{background~canvas}[toc~part~gotham]
3011 \setbeamertemplate{frametitle}[toc~gotham]
3012 % \usebeamertemplate*{part~page}% already included

```

```

3013 }
3014 \defbeamertemplate{toc-section-frame}{gotham-simple}{
3015 \setbeamertemplate{part-in-toc}[gotham-simple]
3016 \setbeamertemplate{section-in-toc}[gotham-simple]
3017 \setbeamertemplate{section-in-toc-shaded}[gotham-simple]
3018 \setbeamertemplate{subsection-in-toc}[gotham-simple]
3019 \setbeamertemplate{subsection-in-toc-shaded}[gotham-simple]
3020 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
3021 \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-simple]
3022 \setbeamertemplate{background-canvas}[toc-section-gotham]
3023 \setbeamertemplate{frametitle}[toc-gotham]%
3024 % \usebeamertemplate*{section-page}% already included
3025 }
3026 \defbeamertemplate{toc-subsection-frame}{gotham-simple}{
3027 \setbeamertemplate{part-in-toc}[gotham-simple]
3028 \setbeamertemplate{section-in-toc}[gotham-simple]
3029 \setbeamertemplate{section-in-toc-shaded}[gotham-simple]
3030 \setbeamertemplate{subsection-in-toc}[gotham-simple]
3031 \setbeamertemplate{subsection-in-toc-shaded}[gotham-simple]
3032 \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
3033 \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-simple]
3034 \setbeamertemplate{background-canvas}[toc-subsection-gotham]
3035 \setbeamertemplate{frametitle}[toc-gotham]
3036 % \usebeamertemplate*{subsection-page}% already included
3037 }

```

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

`\setbeamertemplate{toc-part-frame}{gotham-bullet}`

Definition of the toc in part|section|subsection templates for gotham bullet style.

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

```

3038 \defbeamertemplate{toc-part-frame}{gotham-bullet}{
3039 \setbeamertemplate{part-in-toc}[gotham-bullet]
3040 \setbeamertemplate{section-in-toc}[gotham-bullet]
3041 \setbeamertemplate{section-in-toc-shaded}[gotham-bullet]
3042 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
3043 \setbeamertemplate{subsection-in-toc-shaded}[gotham-bullet]
3044 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
3045 \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-bullet]
3046 \setbeamertemplate{background-canvas}[toc-part-gotham]
3047 \setbeamertemplate{frametitle}[toc-gotham]
3048 % \usebeamertemplate*{part-page}% already included
3049 }
3050 \defbeamertemplate{toc-section-frame}{gotham-bullet}{
3051 \setbeamertemplate{part-in-toc}[gotham-bullet]
3052 \setbeamertemplate{section-in-toc}[gotham-bullet]
3053 \setbeamertemplate{section-in-toc-shaded}[gotham-bullet]
3054 \setbeamertemplate{subsection-in-toc}[gotham-bullet]
3055 \setbeamertemplate{subsection-in-toc-shaded}[gotham-bullet]
3056 \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
3057 \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-bullet]
3058 \setbeamertemplate{background-canvas}[toc-section-gotham]
3059 \setbeamertemplate{frametitle}[toc-gotham]%
3060 % \usebeamertemplate*{section-page}% already included

```

```

3061 }
3062 \defbeamertemplate{toc-subsection-frame}{gotham-bullet}{
3063   \setbeamertemplate{part-in-toc}[gotham-bullet]
3064   \setbeamertemplate{section-in-toc}[gotham-bullet]
3065   \setbeamertemplate{section-in-toc-shaded}[gotham-bullet]
3066   \setbeamertemplate{subsection-in-toc}[gotham-bullet]
3067   \setbeamertemplate{subsection-in-toc-shaded}[gotham-bullet]
3068   \setbeamertemplate{subsubsection-in-toc}[gotham-bullet]
3069   \setbeamertemplate{subsubsection-in-toc-shaded}[gotham-bullet]
3070   \setbeamertemplate{background-canvas}[toc-subsection-gotham]
3071   \setbeamertemplate{frametitle}[toc-gotham]
3072   % \usebeamertemplate*{subsection-page}% already included
3073 }

```

(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`.

```

3074 \bool_new:N \l_gotham_tocpartframe
3075 \bool_set_false:N \l_gotham_tocpartframe
3076 \define@key{beamerframe}{tocpart}[true]{
3077   \bool_set_true:N \l_gotham_tocpartframe
3078   \begingroup
3079     \usebeamertemplate{toc-part-frame}
3080 }
3081 \apptocmd{\beamer@reseteecodes}{
3082   \bool_if:NTF \l_gotham_tocpartframe {
3083     \endgroup
3084     \bool_set_false:N \l_gotham_tocpartframe
3085   }{}}
3086 }{}{}
3087 % \define@key{beamerframe}{tocpart}[true]{
3088 %   \thispagestyle{navigation@tocpart}
3089 % }
3090 % \def\ps@navigation@tocpart{
3091 %   \usebeamertemplate{toc-part-frame}
3092 %   \@nameuse{ps@navigation}
3093 % }

```

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

`\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`.

```

3094 \bool_new:N \l_gotham_tocsectionframe
3095 \bool_set_false:N \l_gotham_tocsectionframe
3096 \define@key{beamerframe}{tocsec}[true]{
3097   \bool_set_true:N \l_gotham_tocsectionframe
3098   \begingroup
3099     \usebeamertemplate{toc-section-frame}

```



```

3100 }
3101 \apptocmd{\beamer@reseteecodes}{
3102   \bool_if:NTF \l_gotham_tocsectionframe {
3103     \endgroup
3104     \bool_set_false:N \l_gotham_tocsectionframe
3105   }{}
3106 }{}{}
3107 % \define@key{beamerframe}{tocsec}[true]{
3108 %   \thispagestyle{navigation@tocsec}
3109 % }
3110 % \def\ps@navigation@tocsec{
3111 %   \usebeamertemplate{toc~section~frame}
3112 %   \@nameuse{ps@navigation}
3113 % }

```

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

`\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`.

```

3114 \bool_new:N \l_gotham_tocsubsubsectionframe
3115 \bool_set_false:N \l_gotham_tocsubsubsectionframe
3116 \define@key{beamerframe}{tocsubsec}[true]{
3117   \bool_set_true:N \l_gotham_tocsubsubsectionframe
3118   \begingroup
3119   \usebeamertemplate{toc~subsection~frame}
3120 }
3121 \apptocmd{\beamer@reseteecodes}{
3122   \bool_if:NTF \l_gotham_tocsubsubsectionframe {
3123     \endgroup
3124     \bool_set_false:N \l_gotham_tocsubsubsectionframe
3125   }{}
3126 }{}{}
3127 % \define@key{beamerframe}{tocsubsec}[true]{
3128 %   \thispagestyle{navigation@tocsubsec}
3129 % }
3130 % \def\ps@navigation@tocsubsec{
3131 %   \usebeamertemplate{toc~subsection~frame}
3132 %   \@nameuse{ps@navigation}
3133 % }

```

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

`\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`.

```

3134 \bool_new:N \l_gotham_tocsubsubsubsectionframe
3135 \bool_set_false:N \l_gotham_tocsubsubsubsectionframe
3136 \define@key{beamerframe}{tocsubsubsec}[true]{
3137   \bool_set_true:N \l_gotham_tocsubsubsubsectionframe
3138   \begingroup
3139   \usebeamertemplate{toc~subsubsection~frame}

```

```

3140 }
3141 \apptocmd{\beamer@reseteecodes}{
3142 \bool_if:NTF \l_gotham_tocsubsubsectionframe {
3143 \endgroup
3144 \bool_set_false:N \l_gotham_tocsubsubsectionframe
3145 }{}
3146 }{}{}
3147 % \define@key{beamerframe}{tocsubsubsec}[true]{
3148 % \thispagestyle{navigation@tocsubsubsec}
3149 % }
3150 % \def\ps@navigation@tocsubsubsec{
3151 % \usebeamertemplate{toc~subsubsection~frame}
3152 % \@nameuse{ps@navigation}
3153 % }

```

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

`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`.

```

3154 \keys_define:nn { gotham / inner }
3155 {
3156 % TOC style
3157 toctocframe~template .usage:n = { general },
3158 toctocframe~template .default:n = { gotham~bullet },
3159 toctocframe~template .code:n = { \__gotham_set_template:nn{toc~page}{#1} }
3160 }
3161
3162 \keys_define:nn { gotham / inner }{
3163 % parttocframe template
3164 parttocframe~template .usage:n = { general },
3165 parttocframe~template .default:n = { gotham~simple },
3166 parttocframe~template .code:n = { \__gotham_set_template:nn{toc~part~frame}{#1} }
3167 }
3168 \keys_define:nn { gotham / inner }
3169 {
3170 % parttocframe default
3171 parttocframe~default .choice:,
3172 parttocframe~default .usage:n = { general },
3173 parttocframe~default .default:n = { true },
3174
3175 parttocframe~default / true .code:n = { \booltrue{partContent} },
3176 parttocframe~default / on .code:n = { \booltrue{partContent} },
3177 parttocframe~default / enable .code:n = { \booltrue{partContent} },
3178
3179 parttocframe~default / false .code:n = { \boolfalse{partContent} },
3180 parttocframe~default / off .code:n = { \boolfalse{partContent} },
3181 parttocframe~default / disable .code:n = { \boolfalse{partContent} },
3182
3183 parttocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
3184 }
3185
3186 \keys_define:nn { gotham / inner }{
3187 % sectiontocframe template

```

```

3188 sectiontocframe~template .usage:n = { general },
3189 sectiontocframe~template .default:n = { gotham~simple },
3190 sectiontocframe~template .code:n = { \__gotham_set_template:nn{toc~section~frame}{#1} }
3191 }
3192 \keys_define:nn { gotham / inner }
3193 {
3194 % sectiontocframe default
3195 sectiontocframe~default .choice:,
3196 sectiontocframe~default .usage:n = { general },
3197 sectiontocframe~default .default:n = { true },
3198
3199 sectiontocframe~default / true .code:n = { \booltrue{sectionContent} },
3200 sectiontocframe~default / on .code:n = { \booltrue{sectionContent} },
3201 sectiontocframe~default / enable .code:n = { \booltrue{sectionContent} },
3202
3203 sectiontocframe~default / false .code:n = { \boolfalse{sectionContent} },
3204 sectiontocframe~default / off .code:n = { \boolfalse{sectionContent} },
3205 sectiontocframe~default / disable .code:n = { \boolfalse{sectionContent} },
3206
3207 sectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'-i
3208 }
3209
3210 \keys_define:nn { gotham / inner }{
3211 % subsectiontocframe template
3212 subsectiontocframe~template .usage:n = { general },
3213 subsectiontocframe~template .default:n = { gotham~simple },
3214 subsectiontocframe~template .code:n = { \__gotham_set_template:nn{toc~subsection~frame}{#1}
3215 }
3216 \keys_define:nn { gotham / inner }
3217 {
3218 % subsectiontocframe default
3219 subsectiontocframe~default .choice:,
3220 subsectiontocframe~default .usage:n = { general },
3221 subsectiontocframe~default .default:n = { true },
3222
3223 subsectiontocframe~default / true .code:n = { \booltrue{subsectionContent} },
3224 subsectiontocframe~default / on .code:n = { \booltrue{subsectionContent} },
3225 subsectiontocframe~default / enable .code:n = { \booltrue{subsectionContent} },
3226
3227 subsectiontocframe~default / false .code:n = { \boolfalse{subsectionContent} },
3228 subsectiontocframe~default / off .code:n = { \boolfalse{subsectionContent} },
3229 subsectiontocframe~default / disable .code:n = { \boolfalse{subsectionContent} },
3230
3231 subsectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'-i
3232 }

```

(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.

```

3233 \newlength{\gotham@blocksep}
3234 \newlength{\gotham@blockadjust}
3235 \setlength{\gotham@blocksep}{0.75ex}

```

```

3236 \setlength{\gotham@blockadjust}{0.25ex}
3237 \providecommand{\gotham@strut}{
3238 \vphantom{ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz (/)}
3239 }

```

(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
3240 \newlength{\gotham@parskip}
3241 \setlength{\gotham@parskip}{0.5em}
3242 \setlength{\parskip}{\gotham@parskip}
3243 \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`.

```

3244 \providecommand{\gotham@block}[1]{
3245 \par\vskip\medskipamount
3246 \setlength{\parskip}{0pt}
3247
3248 % If a background color is defined for the block title or body, we need to add a little bit
3249 % Ideally, this would be accomplished by setting |colsep=0.75ex|, which is intended to add
3250 % Unfortunately, |colsep| also adds this separation if the background color is inherited, e
3251 % (The technical reason for this boils down to the fact that the |\ifx| directive does not
3252 %
3253 % To achieve the correct spacing for |alertblock|s and |exampleblock|s as well as for norma
3254 %
3255 % If the |block title| background is empty, or the user has explicitly removed the backgroun
3256 \ifbeamercolorempy[bg]{block~title#1}{%
3257 \begin{beamercolorbox}[rightskip=0pt+plus~4em]{block~title#1}
3258 }{
3259 \ifbeamercolorempy[bg]{block~title}{
3260 \begin{beamercolorbox}[rightskip=0pt+plus~4em]{block~title#1}
3261 }
3262 % Otherwise, if the |block title| has a background, we set the padding based on |\gotham@
3263 % However, we have to visually compensate for the |\gotham@strut| added to the block title
3264 %
3265 {
3266 \begin{beamercolorbox}[
3267 sep=\dimexpr\gotham@blocksep-\gotham@blockadjust\relax,
3268 leftskip=\gotham@blockadjust,
3269 rightskip=\dimexpr\gotham@blockadjust+plus~4em\relax,
3270 ]{block~title#1}
3271 }
3272 }
3273 % We can now set the contents of the |block title|.
3274 % The zero-width but positive-height box |\gotham@strut| ensures that the block title box h
3275 %
3276 \usebeamerfont*{block~title#1}
3277 \gotham@strut

```

```

3278 \insertblocktitle
3279 \gotham@strut
3280 \end{beamercolorbox}
3281 % Next, we typeset the |block body|.
3282 % This the code is similar to, but simpler than, the |block title| code since we don't need
3283 \nointerlineskip
3284 \ifbeamercoloreempty[bg]{block~body#1}{
3285 \begin{beamercolorbox}[vmode]{block~body#1}
3286 }{
3287 \ifbeamercoloreempty[bg]{block~body}{
3288 \begin{beamercolorbox}[vmode]{block~body#1}
3289 }{
3290 \begin{beamercolorbox}[sep=\gotham@blocksep, vmode]{block~body#1}
3291 \vspace{-\gotham@parskip}
3292 }
3293 }
3294 \usebeamerfont{block~body#1}
3295 \setlength{\parskip}{\gotham@parskip}
3296 }
3297 % 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.

```

3298 % \defbeamertemplate*{block~begin}{gotham}{\gotham@block{}}
3299 % \defbeamertemplate*{block~alerted~begin}{gotham}{\gotham@block{~alerted}}
3300 % \defbeamertemplate*{block~example~begin}{gotham}{\gotham@block{~example}}
3301 % \defbeamertemplate*{block~end}{gotham}{\end{beamercolorbox}\vspace*{0.2ex}}
3302 % \defbeamertemplate*{block~alerted~end}{gotham}{\end{beamercolorbox}\vspace*{0.2ex}}
3303 % \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.

```

3304 \defbeamertemplate*{itemize~item}{gotham}{%\textbullet}
3305 \large
3306 \setbeamertemplate{itemize~item}[circle]
3307 \usebeamertemplate{itemize~item}
3308 }
3309 \defbeamertemplate*{itemize~subitem}{gotham}{%\blacktriangleright$
3310 \scriptsize
3311 \setbeamertemplate{itemize~subitem}[triangle]
3312 \usebeamertemplate{itemize~subitem}
3313 }
3314 \defbeamertemplate*{itemize~subsubitem}{gotham}{%square or -
3315 \Tiny
3316 $\blacksquare$ % \textbf{-}
3317 % \setbeamertemplate{itemize~subsubitem}[square]

```

```

3318 % \usebeamertemplate{itemize~subsubitem} % not working because the size of the square is ha
3319 }
3320
3321 %% TRY: enumitem package, enumitem and beamer are incompatible.
3322 % \setitemize{label=\usebeamerfont*{itemize~item}
3323 %   \usebeamerfont{font}{itemize~item}
3324 %   \usebeamertemplate{itemize~item}}
3325 %% I tried to redefine everything to make them compatible, but it breaks the [alert] environ
3326

```

(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*.

```

3327 \defbeamertemplate*{caption~label~separator}{gotham}{:~}
3328 \setbeamertemplate{caption}[numbered]
3329 \defbeamertemplate*{footnote}{gotham}{
3330   \parindent~0em\noindent
3331   \raggedright
3332   \usebeamerfont{footnote}\hbox~to~0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par
3333 }

```

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

`Default_inner_keys` Apply default key options.
The following test files are used for this code: *gotham-test-043*.

```

3334 % when no value is given, default is called.
3335 \keys_set:nn { gotham / inner } {
3336   title~page,
3337   watermark~template, watermark~default,
3338   standout~template, standin~template,
3339   partframe~template, partframe~default,
3340   sectionframe~template, sectionframe~default,
3341   subsectionframe~template, subsectionframe~default,
3342   subsubsectionframe~template, subsubsectionframe~default,
3343   tocframe~template,
3344   parttocframe~template, parttocframe~default,
3345   sectiontocframe~template, sectiontocframe~default,
3346   subsectiontocframe~template, subsectiontocframe~default,
3347   % subsubsectiontocframe~template, subsubsectiontocframe~default,
3348 }

```

(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*.

```

3349 \ProcessKeyOptions[ gotham / inner ]
3350 % \mode<all>

```

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

```

3351 %\endinput
3352 </inner>

```

```

3353 <*outer>
3354 \ProvidesExplPackage{beamerouterthemegotham}{2025-11-04}{1.2.3.c}{gotham outer theme}
3355 \RequirePackage{expl3}
3356 \RequirePackage{xfp}
3357 \RequirePackage{calc}
3358 \RequirePackage{tikz}

```

OUTER

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

```

3359 \@ifundefined{\string\color@colorProgBar}{
3360 \providebool{darkBG} \boolfalse{darkBG}
3361 \providebool{transparentBG} \booltrue{transparentBG}
3362 \colorlet{colorBG}{white}
3363 \colorlet{colorFG}{black}
3364 \colorlet{colorFrametitle}{purple}
3365 \colorlet{colorStandout}{purple}
3366 \colorlet{colorStandin}{purple}
3367 \colorlet{colorTitlepage}{purple}
3368 \colorlet{colorFiligrane}{gray}
3369 \colorlet{colorBackElement}{gray}
3370 \colorlet{colorProgBar}{orange}
3371 \colorlet{colorAlert}{red}
3372 \colorlet{colorExample}{green}
3373 \setbeamercolor{progress~bar}{
3374 use=alerted~text,
3375 fg=colorProgBar,
3376 bg=alerted~text.fg!50!black!30
3377 }
3378 \setbeamercolor{progress~bar~in~head/foot}{%
3379 use=progress~bar,
3380 parent=progress~bar
3381 }
3382 \setbeamercolor{progress~bar~in~part~page}{
3383 use=progress~bar,
3384 parent=progress~bar
3385 }
3386 \setbeamercolor{progress~bar~in~section~page}{
3387 use=progress~bar,
3388 parent=progress~bar
3389 }
3390 \setbeamercolor{progress~bar~in~splitvert}{
3391 use=progress~bar,
3392 parent=progress~bar
3393 }
3394 \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
3395 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
3396 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
3397 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
3398 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
3399 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
3400 }{

```

```

3401 % else the colors are defined: this is fine.
3402 }

```

(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

```

3403 \prop_if_exist:NTF \l_gotham_template_name_prop
3404 {}{
3405 % if not defined than define it.
3406 \prop_new:N \l_gotham_template_name_prop
3407 }

```

(End of definition for \l_gotham_template_name_prop.)

`\l_gotham_tmpa_seq` tmp variables

```

\l_gotham_tmpa_tl 3408 \seq_if_exist:NTF \l_gotham_tmpa_seq
\l_gotham_tmpb_tl 3409 {}{
3410 % sequence
3411 \seq_new:N \l_gotham_tmpa_seq
3412 }
3413 \tl_if_exist:NTF \l_gotham_tmpa_tl
3414 {}{
3415 % token list A
3416 \tl_new:N \l_gotham_tmpa_tl
3417 }
3418 \tl_if_exist:NTF \l_gotham_tmpb_tl
3419 {}{
3420 % token list B
3421 \tl_new:N \l_gotham_tmpb_tl
3422 }

```

(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 draft} 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.

```
3423 \\cs_if_exist:NTF \\_gotham_set_prop_template:nn {}{
3424 % if it doesn't exist, then create it.
3425 \\cs_new_protected:Nn \\_gotham_set_prop_template:nn
3426 {
3427 % Check if the first argument contains a /
3428 \\tl_if_in:nnTF { #1 } { / }
3429 {
3430 % Split the first around the /
3431 \\seq_set_split:Nnn \\l__gotham_tmpa_seq { / } { #1 }
3432 \\tl_set:Nn \\l__gotham_tmpa_tl { \\seq_item:Nn \\l__gotham_tmpa_seq { 1 } }
3433 \\tl_set:Nn \\l__gotham_tmpb_tl { \\seq_item:Nn \\l__gotham_tmpa_seq { 2 } }
3434 % Check if template exist
3435 \\cs_if_exist:cTF {beamer@@tmpop@\\exp_not:V \\l__gotham_tmpa_tl @\\exp_not:V \\l__gotham_tmpb_tl}
3436 % set the value in the map, so it can be called later.
3437 \\prop_put:Nnn \\l__gotham_template_name_prop {#1} {#2}
3438 % \\setbeamertemplate{#1}[#2]
3439 }{
3440 \\PackageError{beamerthemegothon}
3441 {The~beamer~template~named~'\\l__gotham_tmpa_tl'~with~the~option~'\\l__gotham_tmpb_tl/#2'~
3442 {helping~message}
3443 }
3444 }{% false -> error
3445 \\PackageError{beamerthemegothon}
3446 {
3447 When~using~'\\c_backslash_str\\cs_to_str:N \\_gotham_set_prop_template'~the~first~argument
3448 As~example:~if~'\\c_backslash_str defbeamertemplate{background}{watermark/gotham~draft}'~
3449 }{helping~message}
3450 }
3451 }
3452 }
```

`__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.

```
3453 \seq_if_exist:NTF \l__gotham_frameoption_tmp_seq {}{
3454 % Define the sequence of frameoptions environments to close
3455 \seq_new:N \l__gotham_frameoption_tmp_seq
3456 }
3457
3458 \cs_if_exist:NTF \__gotham_add_beamerframe_key:n {}{
3459 % if it doesn't exist, then create it.
3460
3461 % Define the command to add frameoptions
3462 \cs_new_protected:Nn \__gotham_add_beamerframe_key:n {
3463   \define@key{beamerframe}{#1}[true]{
3464     \begin{#1env}
3465     \seq_put_left:Nn \l__gotham_frameoption_tmp_seq { \end{#1env} }
3466   }
3467 }
3468
3469 % At the end of frames close the opened environments.
3470 \apptocmd{\beamer@reseteecodes}{
3471   % Join elements in the queue without separator then output the result
3472   \seq_use:Nn \l__gotham_frameoption_tmp_seq {}
3473   % clear working queue
3474   \seq_clear:N \l__gotham_frameoption_tmp_seq
3475 }{}{}
3476 }
```

`__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.

```

3477 \cs_if_exist:NTF \__gotham_set_template:nn {}{
3478 % If it doesn't exist, then create it.
3479
3480 % Define the command to set template if it exists.
3481 \cs_new_protected:Nn \__gotham_set_template:nn
3482 {
3483   \cs_if_exist:cTF {beamer@ttmpop@#1@#2} {
3484     \setbeamertemplate{#1}[#2]
3485   }{
3486     \PackageError{beamerinnerthemegotham}
3487       {The~beamer~template~named~'#1'~with~the~option~'#2'~does~not~exist}
3488       {helping~message~unknown~setbeamertemplate~option}
3489   }
3490 }
3491 }
```

Sidebars

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

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

```

3492 % sidebar lengths
3493 \newlength{\sidebarRightHOffset}
3494 \newlength{\sidebarLeftHOffset}
3495 \setlength{\sidebarRightHOffset}{-2.5ex}
3496 \setlength{\sidebarLeftHOffset}{+0.5ex}
```

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

`\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.

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

```

3497 % Command to add filigrane/edging in sidebar
3498 \providecommand{\gothamRightFiligrane}{
3499 % left empty intentionally
3500 % \rotatebox{90}{gotham right filigrane pattern}
3501 }
3502 \providecommand{\gothamLeftFiligrane}{
3503 % left empty intentionally
3504 % \rotatebox{-90}{\hspace*{5em} gotham left filigrane pattern}
3505 }
```

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

`\defbeamertemplate{sidebar~canvas~right}{}` 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.

```

3506 \defbeamertemplate{sidebar~right}{default/beamer}{
3507   \vfill
3508   \llap{\insertlogo\hskip0.1cm}
3509   \vskip2pt
3510   \llap{\usebeamertemplate***{navigation~symbols}\hskip0.1cm}
3511   \vskip2pt
3512 }
3513 \defbeamertemplate{sidebar~right}{default/empty}{}
3514 \defbeamertemplate{sidebar~canvas~right}{default/empty}{}
3515 \defbeamertemplate{sidebar~canvas~right}{default/gotham-filigrane}{
3516   % pull to the left otherwise, the filigrane is outside of the frame.
3517   \hspace*{\sidebarRightHOffset}
3518   \gothamRightFiligrane
3519 }
3520 \defbeamertemplate{sidebar~left}{default/empty}{}
3521 \defbeamertemplate{sidebar~canvas~left}{default/empty}{}
3522 \defbeamertemplate{sidebar~canvas~left}{default/gotham-filigrane}{
3523   \hspace*{\sidebarLeftHOffset}
3524   \gothamLeftFiligrane
3525 }
3526 % Add the template to the prop (dictionary) of background template to use according to the s
3527 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~left/default} {gotham-filigrane}
3528 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~right/default} {gotham-filigrane}
3529 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~left/default} {empty}
3530 \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.

```

3531 \bool_new:N \l_gotham_defaultEdging
3532 \bool_set_false:N \l_gotham_defaultEdging
3533 % At every new frame, reset the options to default (unless some options/keys are given)
3534 \BeforeBeginEnvironment{frame}{
3535   \bool_if:NTF \l_gotham_defaultEdging {
3536     \setbeamertemplate{sidebar~canvas~left}[default/\prop_item:Nn \l__gotham_template_name_pro
3537     \setbeamertemplate{sidebar~canvas~right}[default/\prop_item:Nn \l__gotham_template_name_pro
3538   }{
3539     % false
3540     \setbeamertemplate{sidebar~canvas~left}[default/empty]
3541     \setbeamertemplate{sidebar~canvas~right}[default/empty]
3542   }
3543 }

```

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

`\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*.

```

3544 % bool to trigger the add of edging in sidebar canvas
3545 \newenvironment{edgingenv}{
3546 \setbeamertemplate{sidebar~canvas~left}[
3547 default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~left/default}
3548 ]
3549 \setbeamertemplate{sidebar~canvas~right}[
3550 default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~right/default}
3551 ]
3552 }{}
3553 \__gotham_add_beamerframe_key:n {edging}

```

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

`\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*.

```

3554 % bool to trigger the add of noedging in sidebar canvas
3555 \newenvironment{noedgingenv}{
3556 \setbeamertemplate{sidebar~canvas~left}[default/empty]
3557 \setbeamertemplate{sidebar~canvas~right}[default/empty]
3558 }{}
3559 \__gotham_add_beamerframe_key:n {noedging}

```

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

`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*.

```

3560 \keys_define:nn { gotham / outer }
3561 {
3562 % sidebar~canvas~right template
3563 sidebar~canvas~right~template .usage:n = { general },
3564 sidebar~canvas~right~template .default:n = { gotham-filigrane },
3565 sidebar~canvas~right~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~right}
3566 }
3567 \keys_define:nn { gotham / outer }
3568 {
3569 % sidebar~canvas~left template
3570 sidebar~canvas~left~template .usage:n = { general },
3571 sidebar~canvas~left~template .default:n = { gotham-filigrane },
3572 sidebar~canvas~left~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~left}
3573 }
3574 \keys_define:nn { gotham / outer }{
3575 % edging default
3576 edging~default .choice:,
3577 edging~default .usage:n = { general },
3578 edging~default .default:n = { false },
3579
3580 edging~default / true .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3581 edging~default / on .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3582 edging~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3583

```

```

3584 edging-default / false .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3585 edging-default / off .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3586 edging-default / disable .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3587
3588 edging-default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unknown
3589 }

```

(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*.

```

3590 \defbeamertemplate*{navigation-symbols}{empty}{}

```

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

`\mergetemplate{navigation-symbols}{horizontal}` From Beamer default theme.

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

```

3591 % \setbeamertemplate{navigation-symbols}[vertical]
3592 % \setbeamertemplate{navigation-symbols}[only-frame-symbol]
3593 % \setbeamertemplate{navigation-symbols}[default]% = horizontal
3594 % \defbeamertemplate{navigation-symbols}{horizontal}{
3595 % \usebeamercolor[fg]{navigation-symbols}
3596 % \insertslidenavigationsymbol
3597 % \insertframenavigationsymbol
3598 % \insertsubsectionnavigationsymbol
3599 % \insertsectionnavigationsymbol
3600 % \insertdocnavigationsymbol
3601 % \insertbackfindforwardnavigationsymbol
3602 % }

```

(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*.

```

3603 \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*.

```

3604 % bool to trigger the add of nologo action on frame.
3605 \newenvironment{nologoenv}{
3606 \setbeamertemplate{logo}[empty]
3607 }{}
3608 \__gotham_add_beamerframe_key:n {nologo}

```

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

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.

```
3609 \defbeamertemplate{headline}{default/gotham}{}
3610 \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.

```
3611 \defbeamertemplate{headline}{default/gotham-section}{
3612 \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
3613 \usebeamerfont{section-in-head/foot}\hspace*{3.5ex}
3614 \usebeamertemplate{section-in-head/foot}
3615 \end{beamercolorbox}
3616 }
```

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

Frametitle

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

```
3617 \newlength{\gothamFrametitleToppading}
3618 \newlength{\gothamFrametitleBottompadding}
3619 \newlength{\gothamFrametitleLeftpadding}
3620 \newlength{\gothamFrametitleRightpadding}
3621 \setlength{\gothamFrametitleToppading}{2.2ex}
3622 \setlength{\gothamFrametitleBottompadding}{2.2ex}
3623 \setlength{\gothamFrametitleLeftpadding}{2.2ex}
3624 \setlength{\gothamFrametitleRightpadding}{2.2ex}
3625 % \gotham@strut from inner
3626 \providecommand{\gotham@strut}{
3627 \vphantom{ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz (/)}
3628 }
```

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

`\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.

```
3629 \providecommand{\gotham@frametitlestrut@start}{
3630 \rule{0pt}{\gothamFrametitleToppading +
3631 \totalheightof{
3632 \ifcsdef{gotham@frametitleformat}{\gotham@frametitleformat{X}}{X}
3633 }
3634 }
3635 }
```

```

3636 \providecommand{\gotham@frametitlestrut@end}{
3637 \rule[-\gothamFrametitleBottompadding]{0pt}{\gothamFrametitleBottompadding}
3638 }

```

(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 your can do `\renewcommand{\gothamInstituteLogoSquare}[1][4ex]{\includegraphics[he`

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

```

3639 \providecommand{\gothamInstituteLogoSquare}[1][4ex]{
3640 %\includegraphics[height=#1]{gotham-logo.pdf}
3641 }
3642 \defbeamertemplate{includeLogo}{default/gotham-square}{
3643 \gothamInstituteLogoSquare
3644 }
3645 \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.

```

3646 \defbeamertemplate{includeLogo}{default/gotham-circle}{
3647 \gothamProgressCircle
3648 }

```

(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.

```

3649 \defbeamertemplate{instituteLogo}{default/gotham}{
3650 % \raisebox{lift}[height][depth]{text}
3651 \raisebox{0pt}[0pt][0pt]{
3652 \raisebox{.5\fontcharht\font'E-0.5\height}{
3653 % \setbeamertemplate{}[]
3654 \setbeamertemplate{includeLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {incl
3655 \usebeamertemplate{includeLogo}
3656 }
3657 }
3658 }
3659 \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.

```

3660 \providecommand{\gothamFrameSubtitleSep}{
3661 % \[-.42em] % if newline (as default Beamer)
3662 % or if same line with a -- separator.
3663 \ ----
3664 }

```

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

```

3665 \newlength{\gothamFramesubtitleStrutend}
3666 \setlength{\gothamFramesubtitleStrutend}{0pt}
3667 % \setlength{\gothamFramesubtitleStrutend}{-1.25ex} %% When \newcommand{\gothamFrameSubtitle

```

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

`\defbeamertemplate{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.

```

3668 \defbeamertemplate{frametitle}{default/gotham~subsameline}{
3669 \nointerlineskip
3670 \begin{beamercolorbox}[
3671 wd=\paperwidth,
3672 sep=0pt,
3673 leftskip=\gothamFrametitleLeftpadding,
3674 rightskip=\gothamFrametitleRightpadding,
3675 ]{frametitle}
3676 \gotham@frametitlestrut@start
3677 \insertframetitle
3678 \ifx\insertframesubtitle\@empty
3679 %% if subtitle to the frame is empty
3680 \else
3681 %% if not empty: add subtitle
3682 {\usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\gothamFrameSubtitleSep \
3683 \vspace*{\gothamFramesubtitleStrutend}
3684 \fi
3685 \nolinebreak
3686 %% Add logo
3687 \hfill{
3688 \setbeamertemplate{instituteLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {in
3689 \usebeamertemplate{instituteLogo}
3690 }
3691 \gotham@frametitlestrut@end
3692 \end{beamercolorbox}
3693 }
3694 \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 ??.)

`\defframesubtitle{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.

```

3695 \dim_new:N \l__gotham_framesubtitle_subnewline_strutend_dim

```

```

3696 \defbeamertemplate{framesubtitle}{default/gotham~subnewline}{
3697 \nointerlineskip
3698 \begin{beamercolorbox}[
3699 wd=\paperwidth,
3700 sep=0pt,
3701 leftskip=\gothamFrametitleLeftpadding,
3702 rightskip=\gothamFrametitleRightpadding,
3703 ]{frametitle}
3704 % put the subtitle in a raisebox to have no influence on the result.
3705 \raisebox{0pt}[0pt][0pt]{
3706 \raisebox{-0.3ex}{
3707 { \usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\insertframesubtitle}
3708 }
3709 }
3710 % add 1ex to take into account the subtitle height.
3711 \dim_set:Nn \l__gotham_framesubtitle_subnewline_strutend_dim {1.ex+\gothamFramesubtitleStr
3712 \vspace{\l__gotham_framesubtitle_subnewline_strutend_dim}
3713 \end{beamercolorbox}
3714 }
3715 \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.

```

3716 \defbeamertemplate{frametitle}{default/gotham~subnewline}{
3717 \nointerlineskip
3718 \begin{beamercolorbox}[
3719 wd=\paperwidth,
3720 sep=0pt,
3721 leftskip=\gothamFrametitleLeftpadding,
3722 rightskip=\gothamFrametitleRightpadding,
3723 ]{frametitle}
3724 \gotham@frametitlestrut@start
3725 \insertframetitle
3726 \nolinebreak
3727 \hfill{
3728 \setbeamertemplate{instituteLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {in
3729 \usebeamertemplate{instituteLogo}
3730 }
3731 \gotham@frametitlestrut@end
3732 \end{beamercolorbox}
3733 %% End of the frametitle box, start then use the subtitle template if needed.
3734 \ifx\insertframesubtitle\@empty
3735 %% if subtitle to the frame is not empty
3736 \else
3737 % reduce vertical space to have a 1pt overlap, so no white line appears with vectorial vie
3738 \vspace*{-1pt}
3739 % add the subtitle
3740 \setbeamertemplate{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fra
3741 % \setbeamertemplate{framesubtitle}%[framesubtitle/default]
3742 \usebeamertemplate{framesubtitle}
3743 \fi
3744 }

```

(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`.

```

3745 \keys_define:nn { gotham / outer }{
3746 % frametitle template
3747 frametitle~template .usage:n = { general },
3748 frametitle~template .default:n = { gotham-subsameline },
3749 frametitle~template .code:n = {
3750   \__gotham_set_prop_template:nn{frametitle/default}{#1}
3751   \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {framet
3752 }
3753 }
3754 \keys_define:nn { gotham / outer }{
3755 % framesubtitle template
3756 framesubtitle~template .usage:n = { general },
3757 framesubtitle~template .default:n = { gotham-subnewline },
3758 framesubtitle~template .code:n = {
3759   \__gotham_set_prop_template:nn{framesubtitle/default}{#1}
3760   \setbeamertemplate{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fra
3761 }
3762 }

```

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

Continuation

`te{frametitle-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`.

```

3763 \defbeamertemplate{frametitle-continuation}{default/beamer}{
3764   \usebeamerfont{frametitle}
3765   {
3766     \MakeUppercase{\romannumeral \insertcontinuationcount}
3767   }
3768 }

```

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

`plate{frametitle-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`.

```

3769 \defbeamertemplate{frametitle-continuation}{default/tot}{
3770   \usebeamerfont{frametitle}
3771   {
3772     \textmd{%
3773       [\insertcontinuationcount
3774       \,/,\,%
3775       \the\numexpr\beamer@endpageofframe+1-\beamer@startpageofframe
3776     ]%

```

```

3777 }%
3778 }
3779 }

```

(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*.

```

3780 \defbeamertemplate{frametitle-continuation}{default/gotham}{
3781 \usebeamerfont{frametitle}
3782 {
3783 %\small
3784 (\romannumeral \insertcontinuationcount)
3785 }
3786 }
3787 \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*.

```

3788 \keys_define:nn { gotham / outer }{
3789 % frametitle template
3790 frametitle-continuation-template .usage:n = { general },
3791 frametitle-continuation-template .default:n = { gotham },
3792 frametitle-continuation-template .code:n = {
3793 \__gotham_set_prop_template:nn{frametitle-continuation/default}{#1}
3794 \setbeamertemplate{frametitle-continuation}[default/\prop_item:Nn \l__gotham_template_name
3795 }
3796 }

```

(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*.

```

3797 \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*.

```

3798 % bool to trigger the add of nofootline in frame.
3799 \newenvironment{nofootlineenv}{
3800 \setbeamertemplate{footline}[empty]
3801 }{}
3802 \__gotham_add_beamerframe_key:n {nofootline}

```

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

```
\gothamFootlineVOffset Lengths used in footline template.
\gothamFootlineHeight 3803 % Footline lengths
\gothamFootlineDepth 3804 % space between to bottom of the text (or the footnote) and the footline
3805 \newlength{\gothamFootlineVOffset}
3806 \newlength{\gothamFootlineHeight}
3807 \newlength{\gothamFootlineDepth}
3808 \newlength{\gothamFootlineHRightOffset}
3809
3810 \setlength{\gothamFootlineVOffset}{-0.5ex}
3811 \setlength{\gothamFootlineDepth}{0.1ex}
3812 \setlength{\gothamFootlineHeight}{1.5ex}
3813 \setlength{\gothamFootlineHRightOffset}{\spaceskip}
```

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

`\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.

```
3814 \defbeamertemplate*{footline}{default/gotham}{
3815 % new line to adjust the footline position.
3816 \vspace*{\gothamFootlineVOffset}
3817 \begin{beamercolorbox}[
3818 wd=\textwidth,
3819 sep=0pt,
3820 leftskip=3ex,
3821 rightskip=3ex,
3822 ht={\gothamFootlineHeight},
3823 dp={\gothamFootlineDepth},
3824 ]{footline}
3825 \usebeamerfont{page number in head/footer}
3826 \ifbeamertemplateempty{frame~footer}{
3827 %executed if empty
3828 \hfill \ \gotham@strut
3829 }{
3830 %<executed otherwise>
3831 \usebeamertemplate*{frame~footer}
3832 }
3833 \hspace{\gothamRightFooterPadding}
3834 {\usebeamertemplate{page~number~in~head/footer}}
3835 \hspace*{\gothamFootlineHRightOffset}
3836 \end{beamercolorbox}
3837 }
3838 \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.

```
3839 % bool to trigger the add of nopagenumber in frame.
```

```

3840 \newenvironment{nopagenumberenv}{
3841 \setbeamertemplate{page-number~in-head/footer}[none]
3842 }{}
3843 \_gotham_add_beamerframe_key:n {nopagenumber}

```

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

Footer

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

```

\gothamRightFooterPadding
\gothamFooterHOffset
3844 \newlength{\gothamLeftFooterPadding}
3845 \newlength{\gothamRightFooterPadding}
3846 \newlength{\gothamFooterHOffset}
3847 \setlength{\gothamLeftFooterPadding}{2.0ex}
3848 \setlength{\gothamRightFooterPadding}{3.5ex}
3849 \setlength{\gothamFooterHOffset}{Opt}

```

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

`\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*.

```

3850 \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*.

```

3851 \defbeamertemplate{frame~footer}{empty}{
3852 \hspace{\gothamLeftFooterPadding}
3853 \hfill \
3854 \gotham@strut
3855 % decrease space between progress bar and footer
3856 \vspace*{\gothamFooterHOffset}
3857 }

```

(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*.

```

3858 % bool to trigger the add of nofooter in frame.
3859 \newenvironment{nofooterenv}{
3860 \setbeamertemplate{frame~footer}[empty]
3861 }{}
3862 \_gotham_add_beamerframe_key:n {nofooter}

```

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

`\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.

```

3863 \bool_new:N \l_gotham_defaultRotateFooter
3864 \bool_set_false:N \l_gotham_defaultRotateFooter
3865 \bool_new:N \l_gotham_RotateFooter
3866 \bool_set_false:N \l_gotham_RotateFooter
3867 % At every new frame, reset the options to default (unless some options/keys are given)
3868 \BeforeBeginEnvironment{frame}{
3869   \bool_if:NTF \l_gotham_defaultRotateFooter {
3870     \bool_set_true:N \l_gotham_RotateFooter
3871   }{% false
3872     \bool_set_false:N \l_gotham_RotateFooter
3873   }
3874 }
```

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

`\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.

```

3875 % bool to trigger
3876 % Capture new options/keys for frames
3877 \define@key{beamerframe}[rotateFooter][true]{
3878   \bool_set_true:N \l_gotham_RotateFooter
3879 }
```

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

`\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.

```

3880 % Capture new options/keys for frames
3881 \define@key{beamerframe}[noRotateFooter][true]{
3882   \bool_set_false:N \l_gotham_RotateFooter
3883 }
```

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

`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.

```

3884 \keys_define:nn { gotham / outer }{
3885   % rotateFooter default
3886   rotateFooter~default .choice:,
3887   rotateFooter~default .usage:n = { general },
3888   rotateFooter~default .default:n = { false },
3889
3890   rotateFooter~default / true .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3891   rotateFooter~default / on .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3892   rotateFooter~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3893
3894   rotateFooter~default / false .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
```

```

3895 rotateFooter~default / off .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3896 rotateFooter~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter
3897
3898 rotateFooter~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
3899 }

```

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

```

\gothamFootlineRuleLeftPadding Lengths used in footer template.
\gothamFootlineRuleHeight 3900 \newlength{\gothamFootlineRuleLeftPadding}
\gothamFootlineRuleLength 3901 \newlength{\gothamFootlineRuleHeight}
\gothamHposLeftRotFooter 3902 \newlength{\gothamFootlineRuleLength}
\gothamHposRightRotFooter 3903
\gothamVposLeftRotFooter 3904 \setlength{\gothamFootlineRuleLeftPadding}{7mm}
\gothamVposRightRotFooter 3905 \setlength{\gothamFootlineRuleHeight}{0.0pt}
3906 % \setlength{\gothamFootlineRuleHeight}{0.5pt} % This is nice also but have a cleaner default
3907 \setlength{\gothamFootlineRuleLength}{15mm}
3908
3909 % horizontal position (in picture env) for the rotated footer.
3910 \newlength{\gothamHposLeftRotFooter}
3911 \newlength{\gothamHposRightRotFooter}
3912 \newlength{\gothamVposLeftRotFooter}
3913 \newlength{\gothamVposRightRotFooter}
3914
3915 \setlength{\gothamHposLeftRotFooter}{-7pt}
3916 \setlength{\gothamHposRightRotFooter}{2pt}
3917 \setlength{\gothamVposLeftRotFooter}{15pt}
3918 \setlength{\gothamVposRightRotFooter}{15pt}

```

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

```

\hlenRightRotFooter Temporary variables for the horizontal length of the rotated footer
\hlenLeftRotFooter 3919 % Not used yet because I need to have a latex3 settowidth equivalent.
3920 % I will maybe take inspiration from https://tex.stackexchange.com/questions/492367/does-exp
3921 % \dim_new:N \l__gotham_HLen_rightRotFooter_dim
3922 % \dim_new:N \l__gotham_HLen_leftRotFooter_dim
3923 \newlength{\hlenRightRotFooter}
3924 \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.

```

3925 \providecommand{\gothamHookFooter}{}
3926 \defbeamertemplate{frame-footer}{default/gotham}{
3927 %% Add a ruler but without affecting the dimensions of the footline
3928 \vbox to 0pt{
3929 % Vertical stretch to ensure proper spacing
3930 \vss
3931 \hbox to 0pt{
3932 \hspace*{\gothamFootlineRuleLeftPadding}
3933 % \usebeamercolor{frametitle}
3934 % \color{frametitle.bg}

```



```

3935 \usebeamercolor{footlineRule}
3936 \color{footlineRule.fg}
3937 \rule{\gothamFootlineRuleLength}{\gothamFootlineRuleHeight}
3938 \vspace*{
3939   \dimexpr \gothamFootlineHeight -0.25em\relax
3940 }
3941 % Horizontal stretch to ensure proper spacing
3942 \hss
3943 }
3944 }
3945 %%% Add Hook
3946 \gothamHookFooter{}
3947 %%% Add short date
3948 \hspace{\gothamLeftFooterPadding}
3949 \settowidth{\hlenLeftRotFooter}{\hspace{-\gothamLeftFooterPadding}}
3950 \addtolength{\hlenLeftRotFooter}{\gothamHposLeftRotFooter}
3951 % \ifbool{rotateFooter}{
3952 \bool_if:NTF \l_gotham_RotateFooter {
3953   % rotateFooter true
3954   \begin{picture}(0,0)(0,0)
3955     \put(\hlenLeftRotFooter,\gothamVposLeftRotFooter){\rotatebox{90}{\insertshortdate}}
3956   \end{picture}
3957 }{
3958   % rotateFooter false
3959   \insertshortdate
3960 }
3961 \hfill \
3962 %%% Add short title
3963 \hfill \ \insertshorttitle
3964 % make sure that the vertical space is constant: strut.
3965 \gotham@strut
3966 \hfill \
3967 \hfill \
3968 %%% Add short author
3969 \bool_if:NTF \l_gotham_RotateFooter {
3970   % rotateFooter true
3971   \settowidth{\hlenRightRotFooter}{\hspace{\gothamRightFooterPadding}\usebeamertemplate{page}
3972   \addtolength{\hlenRightRotFooter}{\gothamHposRightRotFooter}
3973   \begin{picture}(0,0)(0,0)
3974     \put(\hlenRightRotFooter,\gothamVposRightRotFooter){\rotatebox{90}{\insertshortauthor}}
3975   \end{picture}
3976 }{
3977   % rotateFooter false
3978   \insertshortauthor
3979 }
3980 %%% Decrease space between progress bar and footer
3981 \vspace*{\gothamFooterHOffset}
3982 }
3983 \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*.

```

3984 \keys_define:nn { gotham / outer }{
3985 % footer template
3986 footer~template .usage:n = { general },
3987 footer~template .default:n = { gotham },
3988 footer~template .code:n = {
3989   \__gotham_set_prop_template:nn{frame-footer/default}{#1}
3990   \setbeamertemplate{frame-footer}[
3991     default/\prop_item:Nn \l__gotham_template_name_prop {frame-footer/default}
3992   ]
3993 }
3994 }

```

(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*.

```

3995 %
3996 \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*.

```

3997 \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`

```

3998 \newlength{\gothamCircleNumberingVshift}
3999 \newlength{\gothamCircleNumberingHshift}
4000 \setlength{\gothamCircleNumberingVshift}{1.4mm}
4001 \setlength{\gothamCircleNumberingHshift}{2.6mm}

```

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

`\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*.

```

4002 \defbeamertemplate{page-number~in-head/foot}{circle}{
4003 % horizontal space between the circle and the right part of the footer (email).
4004 \hspace{+2em}
4005 % \raisebox{lift}[height][depth]{text} => lift here = vertical space between the bottom of
4006 \raisebox{\gothamCircleNumberingVshift}[Opt][Opt]{
4007 \begin{tikzpicture}[remember~picture, overlay]
4008   \coordinate (circleCenter);
4009
4010   \usebeamercolor{frametitle}
4011
4012   \draw[fill, color=frametitle.bg] (circleCenter) circle (6mm);

```

```

4013 \draw[fill, color=frametitle.fg] (circleCenter) circle (5mm);
4014 \node[color=frametitle.bg] at (circleCenter)
4015   {\small$\sim^{\{\insertframenum\}}\negmedspace/\negthinspace\sb{\{\inserttotalframenum\}}$}
4016   ;
4017 \end{tikzpicture}
4018 % horizontal space between the right border of the page and the center of the circle.
4019 \hspace{\gothamCircleNumberingHshift}
4020 }
4021 }

```

(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*.

```

4022 \keys_define:nn { gotham / outer }{
4023 % numbering
4024 numbering .choice:,
4025 numbering .usage:n = { general },
4026 numbering .default:n = { none },
4027
4028 % \__gotham_set_template:nn{title~page}{#1}
4029 numbering / none .code:n = { \setbeamertemplate{page-number-in-head/foot}[none] },
4030 numbering / framenum .code:n = { \setbeamertemplate{page-number-in-head/foot}[framenum] },
4031 numbering / totalframenum .code:n = { \setbeamertemplate{page-number-in-head/foot}[totalframenum] },
4032 numbering / appendixframenum .code:n = { \setbeamertemplate{page-number-in-head/foot}[appendixframenum] },
4033 numbering / pagenum .code:n = { \setbeamertemplate{page-number-in-head/foot}[pagenum] },
4034 numbering / totalpagenum .code:n = { \setbeamertemplate{page-number-in-head/foot}[totalpagenum] },
4035 numbering / circle .code:n = { \setbeamertemplate{page-number-in-head/foot}[circle] },
4036
4037 numbering / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'~is~unknown~for~
4038 } }

```

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

MiniFrames & Progress bar
MiniFrames

`plate{section-in-head/foot}{default/beamer}` Template control how the section appears by default when sections are add to the headline or footline.

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

```

4039 \defbeamertemplate{section-in-head/foot}{default/beamer}{
4040 \insertsectionhead
4041 }
4042 \defbeamertemplate{section-in-head/foot~shaded}{default/beamer}{
4043 \color{fg!50!bg}\usebeamertemplate{section-in-head/foot}
4044 }
4045
4046 % \defbeamertemplate{includeLogo}{default/gotham~square}{
4047 \prop_put:Nnn \l__gotham_template_name_prop {section-in-head/foot~shaded/default} {beamer}
4048 % \defbeamertemplate{includeLogo}{default/gotham~square}{
4049 \prop_put:Nnn \l__gotham_template_name_prop {section-in-head/foot/default} {beamer}

```

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

ion-in-head/foot}{default/gotham-secSubsec}

Template for section and subsection in headline.

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

```
4050 \defbeamertemplate{section-in-head/foot}{default/gotham-secSubsec}{
4051 \insertsectionhead
4052 \ifx\insertsubsection\empty\else
4053 \ifdefempty{\subsecname}{\relax}{
4054 \ \textbar\ \insertsubsectionhead
4055 }
4056 \fi
4057 }
4058 \defbeamertemplate{section-in-head/foot~shaded}{default/gotham-secSubsec}{
4059 \insertsectionhead
4060 }
```

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

template{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.

```
4061 \defbeamertemplate{section-in-head/foot}{default/empty}{
4062 \vspace{3.875ex}
4063 }
4064 \defbeamertemplate{section-in-head/foot~shaded}{default/empty}{
4065 \vspace{3.875ex}
4066 }
```

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

\gotham@temp@heightFrametitle
\gotham@temp@PaperheightFrametitle

Temporary length variables to compute the height of the frametitle and the height of the paper minus the frametitle.

```
4067 \newlength{\gotham@temp@heightFrametitle}
4068 \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.

```
4069 \defbeamertemplate*{mini-nav-progress-head/foot}{gotham-miniframes-theme}
4070 {
4071 %,ht=1.75ex,dp=2.75ex
4072 \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
4073 \hfuzz=\paperwidth
4074 \insertnavigation{\paperwidth}
4075 % \dohead
4076 \vspace{0.05cm}
4077 \end{beamercolorbox}
4078 }
4079 \defbeamertemplate*{mini-nav-progress-left}{gotham-miniframes-theme}
4080 {
4081 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4082 \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
```

```

4083
4084 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
4085
4086 \vspace{-0.6\paperheight}
4087 \rotatebox{90}{
4088   %,ht=1.75ex,dp=2.75ex
4089   \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
4090     \hfuzz=\gotham@temp@PaperheightFrametitle
4091     \insertnavigation{\gotham@temp@PaperheightFrametitle}
4092     % \dohead
4093     % \vspace{0.05cm}
4094   \end{beamercolorbox}
4095 }
4096 }
4097 \defbeamertemplate*{mini-nav-progress-right}{gotham-miniframes-theme}
4098 {
4099   \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4100   \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
4101
4102   \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
4103
4104   \vspace{\gotham@temp@heightFrametitle}
4105   \hspace{-2.3em}
4106   \rotatebox{-90}{
4107     %,ht=1.75ex,dp=2.75ex
4108     \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
4109       \hfuzz=\gotham@temp@PaperheightFrametitle
4110       \insertnavigation{\gotham@temp@PaperheightFrametitle}
4111       % \dohead
4112       % \vspace{0.05cm}
4113     \end{beamercolorbox}
4114   }
4115 }

```

(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.

```

4116 \defbeamertemplate{mini-frame}{gotham-box}
4117 {
4118   \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
4119     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}
4120     \pgfusepath{fill,stroke}
4121   \end{pgfpicture}
4122 }[action]{
4123   \setbeamersize{mini-frame-size=.14cm, mini-frame-offset=.05cm}
4124 }
4125 %
4126 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-box}
4127 {
4128   \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
4129     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}

```

```

4130 \pgfusepath{stroke}
4131 \end{pgfpicture}
4132 }

```

(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*.

```

4133 \defbeamertemplate{mini-frame}{gotham-minibox}
4134 {
4135 \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}
4136 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}
4137 \pgfusepath{fill,stroke}
4138 \end{pgfpicture}
4139 }[action]{
4140 \setbeamersize{mini-frame~size=.08cm, mini-frame~offset=.05cm}
4141 }
4142 %
4143 \defbeamertemplate{mini-frame~in~current~subsection}{gotham-minibox}
4144 {
4145 \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}
4146 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}
4147 \pgfusepath{stroke}
4148 \end{pgfpicture}
4149 }

```

(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*.

```

4150 \defbeamertemplate{mini-frame}{gotham-minibullet}
4151 {
4152 \beamer@xlatex@fixminiframes
4153 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
4154 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
4155 \pgfusepath{fill,stroke}
4156 \end{pgfpicture}
4157 }[action]{
4158 \setbeamersize{mini-frame~size=.09cm, mini-frame~offset=.05cm}
4159 }
4160 %
4161 \defbeamertemplate{mini-frame~in~current~subsection}{gotham-minibullet}
4162 {
4163 \beamer@xlatex@fixminiframes
4164 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
4165 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
4166 \pgfusepath{stroke}
4167 \end{pgfpicture}
4168 }

```

(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.

```
4169 \keys_define:nn { gotham / outer }{
4170 %% mini-frames~shape
4171 % mini-frames~shape .choice:,
4172 mini-frames~shape .usage:n = { general },
4173 mini-frames~shape .default:n = { gotham-minibullet },
4174 % \__gotham_set_template:nn{title-page}{#1}
4175 mini-frames~shape .code:n = {
4176 % \__gotham_set_template:nn{mini-frames}{#1}% This can not work since this is an alias, so
4177 \setbeamertemplate{mini-frames}[#1]
4178 },
4179 % mini-frames~shape / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'#1'-is-unknown } }
4180 }
```

(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.

```
4181 \defbeamertemplate*{miniframe-home}{beamer}{
4182 % $\equiv$
4183 }
4184 \defbeamertemplate*{miniframe-current-slide}{beamer}{
4185 \usebeamertemplate{mini-frame}
4186 }
4187 \defbeamertemplate*{miniframe-done-current-section}{beamer}{
4188 \usebeamertemplate{mini-frame-in-current-subsection}
4189 }
4190 \defbeamertemplate*{miniframe-todo-current-section}{beamer}{
4191 \usebeamertemplate{mini-frame-in-current-subsection}
4192 }
4193 \defbeamertemplate*{miniframe-done-other-section}{beamer}{
4194 \usebeamertemplate{mini-frame-in-other-subsection}
4195 }
4196 \defbeamertemplate*{miniframe-todo-other-section}{beamer}{
4197 \usebeamertemplate{mini-frame-in-other-subsection}
4198 }
4199 % Templates about should appear sectioning in mini frame.
4200 % \defbeamertemplate*{miniframe-part}{beamer}{}
4201 \defbeamertemplate*{miniframe-section-current}{beamer}{}
4202 \defbeamertemplate*{miniframe-section-done}{beamer}{}
4203 \defbeamertemplate*{miniframe-section-todo}{beamer}{}
4204 \defbeamertemplate*{miniframe-subsection-current}{beamer}{}
4205 \defbeamertemplate*{miniframe-subsection-todo}{beamer}{}
4206 \defbeamertemplate*{miniframe-subsection-done}{beamer}{}
4207 % \defbeamertemplate*{miniframe-subsubsection}{beamer}{}
4208 \defbeamertemplate*{miniframe-section-done-in-other-section}{default}[1] [50]
4209 {
4210 \color{fg!#1!bg}\usebeamertemplate{miniframe-section-done}
4211 }
4212 \defbeamertemplate*{miniframe-section-todo-in-other-section}{default}[1] [50]
4213 {
```

```

4214 \color{fg!#1!bg}\usebeamertemplate{miniframe-section-todo}
4215 }
4216 \defbeamertemplate*{miniframe-subsection-done-in-other-section}{default}[1][50]
4217 {
4218 \color{fg!#1!bg}\usebeamertemplate{miniframe-subsection-done}
4219 }
4220 \defbeamertemplate*{miniframe-subsection-todo-in-other-section}{default}[1][50]
4221 {
4222 \color{fg!#1!bg}\usebeamertemplate{miniframe-subsection-todo}
4223 }

```

(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`.

```

4224 \defbeamertemplate{miniframe-home}{gotham-mini}{
4225 \resizebox{0.85\beamer@boxsize}{\beamer@boxsize}{\equiv$}
4226 % \scalebox{0.5}[0.95]{\equiv$}
4227 }
4228 \defbeamertemplate{miniframe-current-slide}{gotham-mini}{
4229 \usebeamercolor{fg}{alerted-text}
4230 \usebeamertemplate{mini-frame}
4231 }
4232 \defbeamertemplate{miniframe-done-current-section}{gotham-mini}{
4233 \usebeamertemplate{mini-frame}
4234 }
4235 \defbeamertemplate{miniframe-todo-current-section}{gotham-mini}{
4236 \usebeamertemplate{mini-frame-in-current-subsection}
4237 }
4238 \defbeamertemplate{miniframe-done-other-section}{gotham-mini}[1][50]{
4239 \color{fg!#1!bg}\usebeamertemplate{mini-frame}
4240 }
4241 \defbeamertemplate{miniframe-todo-other-section}{gotham-mini}[1][50]{
4242 \color{fg!#1!bg}\usebeamertemplate{mini-frame-in-other-subsection}
4243 }
4244 % Templates about should appear sectioning in mini frame.
4245 % \defbeamertemplate{miniframe-part}{gotham-mini}[1][]{
4246 % p
4247 % }
4248 \defbeamertemplate{miniframe-section-current}{gotham-mini}{
4249 \fontsize{3pt}{0pt}\selectfont
4250 % \color{blue}
4251 \tl_use:N \l__gotham_minif_tmpa_tl
4252 \hspace{1.pt}
4253 }
4254 \defbeamertemplate{miniframe-section-done}{gotham-mini}{
4255 \fontsize{3pt}{0pt}\selectfont
4256 % \color{green}
4257 \tl_use:N \l__gotham_minif_tmpa_tl
4258 \hspace{1.pt}
4259 }
4260 \defbeamertemplate{miniframe-section-todo}{gotham-mini}{

```



```

4261 \fontsize{3pt}{0pt}\selectfont
4262 % \color{red}
4263 \tl_use:N \l__gotham_minif_tmpa_tl
4264 \hspace{1.pt}
4265 }
4266 \defbeamertemplate{miniframe-subsection-current}{gotham-mini}{
4267 \usebeamercolor[fg]{alerted-text}
4268 \hspace{-0.15pt}
4269 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
4270 }
4271 \defbeamertemplate{miniframe-subsection-todo}{gotham-mini}{
4272 \hspace{-0.15pt}
4273 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\lozenge$}
4274 }
4275 \defbeamertemplate{miniframe-subsection-done}{gotham-mini}{
4276 \hspace{-0.15pt}
4277 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
4278 }
4279 % \defbeamertemplate{miniframe-subsubsection}{gotham-mini}{
4280 % d
4281 % }

```

(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*.

```

4282 \defbeamertemplate{miniframe-home}{gotham-nano}{
4283 % \resizebox{\beamer@boxsize}{!}{\equiv$}
4284 \scalebox{0.5}[0.95]{\equiv$}
4285 }
4286 \defbeamertemplate{miniframe-current-slide}{gotham-nano}{
4287 o
4288 }
4289 \defbeamertemplate{miniframe-done-current-section}{gotham-nano}{
4290 x
4291 }
4292 \defbeamertemplate{miniframe-todo-current-section}{gotham-nano}{
4293 $\cdot$
4294 }
4295 \defbeamertemplate{miniframe-done-other-section}{gotham-nano}{
4296 x
4297 }
4298 \defbeamertemplate{miniframe-todo-other-section}{gotham-nano}{
4299 $\cdot$
4300 }
4301 % Templates about should appear sectioning in mini frame.
4302 \defbeamertemplate{miniframe-part}{gotham-nano}[1][]{
4303 % p
4304 % }
4305 \defbeamertemplate{miniframe-section-current}{gotham-nano}{
4306 \tl_use:N \l__gotham_minif_tmpa_tl
4307 }
4308 \defbeamertemplate{miniframe-section-done}{gotham-nano}{

```

```

4309 \tl_use:N \l__gotham_minif_tmpa_tl
4310 }
4311 \defbeamertemplate{miniframe-section-todo}{gotham-nano}{
4312 \tl_use:N \l__gotham_minif_tmpa_tl
4313 }
4314 \defbeamertemplate{miniframe-subsection-current}{gotham-nano}{
4315 \usebeamercolor[fg]{alerted-text}$\diamond$
4316 }
4317 \defbeamertemplate{miniframe-subsection-todo}{gotham-nano}{
4318 $\diamond$
4319 }
4320 \defbeamertemplate{miniframe-subsection-done}{gotham-nano}{
4321 $\diamond$
4322 }

```

(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`.

```

4323 \defbeamertemplateparent{mini-frames-bundle}
4324 { miniframe-home, miniframe-current-slide,
4325 miniframe-done-current-section, miniframe-todo-current-section, miniframe-done-other-section,
4326 miniframe-section-current, miniframe-section-done, miniframe-section-todo,
4327 miniframe-subsection-current, miniframe-subsection-done, miniframe-subsection-todo,
4328 }{}
4329 %\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`.

```

4330 \keys_define:nn { gotham / outer }{
4331 %% mini-frames-bundle
4332 % mini-frames-bundle .choice:,
4333 mini-frames-bundle .usage:n = { general },
4334 mini-frames-bundle .default:n = { gotham-mini },
4335 % \__gotham_set_template:nn{title-page}{#1}
4336 mini-frames-bundle .code:n = {
4337 % \__gotham_set_template:nn{mini-frames}{#1}% This can not work since this is an alias, so
4338 \setbeamertemplate{mini-frames-bundle}[#1]
4339 },
4340 % mini-frames-bundle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'#1'-is-unknown } }
4341 }

```

(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`.

```

4342 \keys_define:nn { gotham / outer }{
4343 % mini-frames-compress default
4344 mini-frames-compress .choice:,

```

```

4345 mini~frames~compress .usage:n = { general },
4346 mini~frames~compress .default:n = { true },
4347
4348 mini~frames~compress / true .code:n = { \beamer@compresstrue },
4349 mini~frames~compress / on .code:n = { \beamer@compresstrue },
4350 mini~frames~compress / enable .code:n = { \beamer@compresstrue },
4351
4352 mini~frames~compress / false .code:n = { \beamer@compressfalse },
4353 mini~frames~compress / off .code:n = { \beamer@compressfalse },
4354 mini~frames~compress / disable .code:n = { \beamer@compressfalse },
4355
4356 mini~frames~compress / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
4357 }

```

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

```

\l__gotham_minif_tmpa_tl Temporary variables used for the store dimension of the miniframe subsection, check if
\gotham@temp@MiniframeSubsecDim the last section treated and the pass the value of the section to the section template.
\gotham@temp@lastSec
4358 \newlength{\gotham@temp@MiniframeSubsecDim}
4359 \newlength{\gotham@temp@MiniframeSecDim}
4360 \def\gotham@temp@lastSec{-1}
4361 \tl_new:N \l__gotham_minif_tmpa_tl
4362 \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.

```
4363 % definition from Beamerbasenavigation.sty
4364 % \def\slideentry#1#2#3#4#5#6{%
4365 \renewcommand{\slideentry}[6]{%
4366   %section number, subsection number, slide number, first/last frame, page number, part num
4367 \ifnum#6=\c@part\ifnum#3>0\ifnum#6=\c@part\ifnum#1>0\ifnum#3>0 MODIF
4368 \ifbeamer@compress%
4369 \advance\beamer@xpos by1\relax%
4370 \else%
4371 \ifnum#2=0%
4372 \beamer@ypos@offset=1\relax%
4373 \fi%
4374 \beamer@xpos=#3\relax%
4375 \beamer@ypos=#2\relax%
4376 \advance\beamer@ypos by \beamer@ypos@offset\relax%
4377 \fi%
4378 %% Add section number and subsection symbol to miniframes.
4379 %% MODIF below, inspired from https://tex.stackexchange.com/questions/722523
4380 \ifnum#3=1\c@subsectionslide=#3 % if =1, so it has been reset => new section or subsection
4381 \ifnum#1>0\ifnum#2<2% => there no subsection in this section.
4382 \ifnum\gotham@temp@lastSec=#1%
4383 % this means, that we already went through: there no subsec, then the first subsec has
4384 \else%
4385 \tl_set:Nn \l__gotham_minif_tmpa_tl {#1}
4386 \settowidth{\gotham@temp@MiniframeSecDim}{\usebeamertemplate{miniframe-section-current}}
4387 % \addtolength{\gotham@temp@MiniframeSecDim}{1.5pt}
4388 \hbox to Opt{%
4389 \beamer@tempdim=-\beamer@vboxoffset%
4390 \advance\beamer@tempdim by-\beamer@boxsize%
4391 \multiply\beamer@tempdim by\beamer@ypos%
4392 \advance\beamer@tempdim by -.05cm%
4393 \raise\beamer@tempdim\hbox{%
4394 \beamer@tempdim=\beamer@boxsize%
4395 \multiply\beamer@tempdim by\beamer@xpos%
4396 \advance\beamer@tempdim by -\beamer@boxsize%
4397 \advance\beamer@tempdim by -\gotham@temp@MiniframeSecDim% NEW
4398 \advance\beamer@tempdim by 1pt%
4399 \kern\beamer@tempdim%
4400 \global\beamer@section@min@dim\beamer@tempdim%
4401 \hbox{\beamer@link(#4){%
4402 % \usebeamertemplate{miniframe-section}%
4403 % if not first page then check if it is the current section.
4404 \ifnum\c@section=#1%
4405 % check if it is the current slide
4406 \ifnum\c@subsectionslide=#3%
4407 \usebeamertemplate{miniframe-section-current}
4408 \else%
4409 \ifnum\c@subsectionslide<#3
4410 \usebeamertemplate{miniframe-section-todo}
4411 \else%
4412 \usebeamertemplate{miniframe-section-done}
4413 \fi%
4414 \fi%
4415 \else% \ifnum\c@section=#1% 108
4416 \ifnum\c@section<#1
4417 \usebeamertemplate{miniframe-section-todo-in-other-section}
4418 \else%
4419 \usebeamertemplate{miniframe-section-done-in-other-section}
4420 \fi%
4421 \fi% \ifnum\c@section=#1
4422 }}%
```

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

```
4583 \providebool{gothamZerosectionframes}  
4584 \boolfalse{gothamZerosectionframes}
```

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

`\insertnavigation` Patches for `\insertnavigation` and `\sectionentry` to be able to adapt with spreading
`\sectionentry` values.

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

```
4585 \providecommand{\gothamInsertNavlength}{  
4586 % spreading by default  
4587 \ifbool{gothamZerosectionframes}{  
4588 %true  
4589 % spreading  
4590 \hskip-0.5ex-plus~1fill  
4591 }{  
4592 %false  
4593 \hskip-1.875ex~plus~1fill  
4594 }%  
4595 }  
4596 \providecommand{\gothamPatchInsertNav}{  
4597 % Don't patch for now  
4598 \box\beamer@sectionbox\hfil\hskip.3cm  
4599 }  
4600 \providecommand{\gothamPatchSectionentry}{  
4601 % Don't patch for now  
4602 \hskip1.875ex~plus~1fill  
4603 }  
4604 \providecommand{\gothamPatchSectionbox}{  
4605 % Don't patch for now  
4606 \ht\beamer@sectionbox=1.875ex  
4607 \dp\beamer@sectionbox=0.75ex  
4608 }  
4609 \ExplSyntaxOff  
4610 % To let the 0-th section appear.  
4611 \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{%  
4612 \ifnum\value{section}=0%  
4613 \ifnum\value{framenum}>0%  
4614 \hskip-0ex%  
4615 \global\booltrue{gothamZerosectionframes}%  
4616 \fi\fi%  
4617 \gothamInsertNavlength%  
4618 }{}{}  
4619 %% Remove hfill between sections => flush right bullet bar, if not corrected.  
4620 \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\gothamPatchSectionentry}{}{}  
4621 %% Centering the bullet bar  
4622 \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{\gothamPatchInsertNav}{  
4623 % Patch size of sectionbox  
4624 \patchcmd{\insertnavigation}{\ht\beamer@sectionbox=1.875ex%  
4625 \dp\beamer@sectionbox=0.75ex%  
4626 }{  
4627 \gothamPatchSectionbox  
4628 }{}{}  
4629 \patchcmd{\sectionentry}{\ht\beamer@sectionbox=1.875ex%
```

```

4630 \dp\beamer@sectionbox=0.75ex%
4631 }{
4632 \gothamPatchSectionbox
4633 }{}{}
4634 \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.

```

4635 \keys_define:nn { gotham / outer }{
4636 % mini-frames-nav-spreading default
4637 mini-frames-nav-spreading .choice:,
4638 mini-frames-nav-spreading .usage:n = { general },
4639 mini-frames-nav-spreading .default:n = { spreading },
4640
4641 mini-frames-nav-spreading / spreading .code:n = {
4642 %
4643 \renewcommand{\gothamInsertNavlength}{
4644 \ifbool{gothamZerosectionframes}{
4645 %true
4646 % spreading
4647 \hskip-0.5ex
4648 }{
4649 %false
4650 \hskip-1.875ex-plus-1fill
4651 }%
4652 }
4653 % No other patch needed, but renewcommand if it has been modified previously.
4654 \renewcommand{\gothamPatchInsertNav}{
4655 % Don't patch for now
4656 \box\beamer@sectionbox\hfil\hskip.3cm
4657 }
4658 \renewcommand{\gothamPatchSectionentry}{
4659 % Don't patch for now
4660 \hskip1.875ex-plus-1fill
4661 }
4662 },
4663 mini-frames-nav-spreading / centering .code:n = {
4664 %
4665 \renewcommand{\gothamInsertNavlength}{
4666 \ifbool{gothamZerosectionframes}{
4667 %true
4668 % centering +patch sectionentry +patch insertnav @sectionbox
4669 \hskip-0.5ex-plus-1fill
4670 }{
4671 %false
4672 % \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{\hfill}}{}{}
4673 \hfill
4674 }%
4675 }
4676 % Centering the bullet bar
4677 % \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{\box\beamer@section

```

```

4678 \renewcommand{\gothamPatchInsertNav}{
4679   \box\beamer@sectionbox\hfill\hskip.3cm
4680 }
4681 %% Remove hfill between sections => flush right bullet bar, if not corrected.
4682 % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4683 \renewcommand{\gothamPatchSectionentry}{
4684   \hskip-3.5ex
4685 }
4686 },
4687 mini~frames~nav~spreading / left .code:n = {
4688   %
4689   \renewcommand{\gothamInsertNavlength}{
4690     \ifbool{gothamZerosectionframes}{
4691       %true
4692       % flush left +patch sectionenty
4693       \hskip-0.5ex
4694     }{
4695       %false
4696       % no patch
4697       \hskip-1.875ex plus-1fill
4698     }%
4699   }
4700   % Centering the bullet bar : NO
4701   % no patch
4702   \renewcommand{\gothamPatchInsertNav}{
4703     \box\beamer@sectionbox\hfil\hskip.3cm
4704   }
4705   %% Remove hfill between sections => flush right bullet bar, if not corrected.
4706   % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4707   \renewcommand{\gothamPatchSectionentry}{
4708     \hskip-3.5ex
4709   }
4710 },
4711 mini~frames~nav~spreading / right .code:n = {
4712   %
4713   \renewcommand{\gothamInsertNavlength}{
4714     \ifbool{gothamZerosectionframes}{
4715       %true
4716       % flush right +patch sectionenty
4717       \hskip-0.5ex~plus~1fill
4718     }{
4719       %false
4720       % no patch
4721       \hskip-1.875ex plus-1fill
4722     }%
4723   }
4724   % Centering the bullet bar : NO
4725   % no patch
4726   \renewcommand{\gothamPatchInsertNav}{
4727     \box\beamer@sectionbox\hfil\hskip.3cm
4728   }
4729   %% Remove hfill between sections => flush right bullet bar, if not corrected.
4730   % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4731   \renewcommand{\gothamPatchSectionentry}{

```

```

4732 \hskip-3.5ex
4733 }
4734 },
4735 mini~frames~nav~spreading / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'
4736 }

```

(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.

```

4737 \keys_define:nn { gotham / outer }{
4738 % mini~frames~nav~sectioning default
4739 mini~frames~nav~sectioning .choice:,
4740 mini~frames~nav~sectioning .usage:n = { general },
4741 mini~frames~nav~sectioning .default:n = { secsubsection },
4742
4743 mini~frames~nav~sectioning / none .code:n = {
4744 %
4745 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
4746 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
4747 \renewcommand{\gothamPatchSectionbox}{
4748 % patch to set section box height to 0.
4749 \ht\beamer@sectionbox=0pt
4750 \dp\beamer@sectionbox=0pt
4751 }
4752 },
4753 mini~frames~nav~sectioning / section .code:n = {
4754 %
4755 \__gotham_set_template:nn{section~in~head/foot~shaded}{default} %from Beamer
4756 \__gotham_set_template:nn{section~in~head/foot}{default} %from Beamer
4757 },
4758 mini~frames~nav~sectioning / secsubsection .code:n = {
4759 %
4760 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham-secSubsec}
4761 \__gotham_set_template:nn{section~in~head/foot}{default/gotham-secSubsec}
4762 },
4763
4764 mini~frames~nav~sectioning / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'
4765 }

```

(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.

```

4766 \tl_new:N \l__gotham_out_tmp_mfnposi_tl
4767 \tl_new:N \l__gotham_out_tmp_pbar_tl
4768 \keys_define:nn { gotham / outer }{
4769 % mini~frames~nav~position default
4770 mini~frames~nav~position .choice:,
4771 mini~frames~nav~position .usage:n = { general },
4772 mini~frames~nav~position .default:n = { none },
4773
4774 mini~frames~nav~position / none .code:n = {
4775 %

```



```

4776 % reset if it has modified by another progressbar strategy
4777 % \l_gotham_set_prop_template:nn{sidebar~canvas~right/default}#{#1}
4778 \tl_set:Nn \l_gotham_out_tmp_mfnposi_tl {none}
4779
4780 % head
4781 \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {head} {
4782   % True: nothing to do it is already occupied.
4783 }{
4784   \setbeamertemplate{headline}[default/\prop_item:Nn \l_gotham_template_name_prop {headli
4785 }
4786 % frametitle
4787 % \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {frametitle} {
4788   % True: nothing to do it is already occupied.
4789 % }{
4790 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l_gotham_template_name_prop {fra
4791 % }
4792 % foot
4793 \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {footline} {
4794   % True: nothing to do it is already occupied.
4795 }{
4796   \setbeamertemplate{footline}[default/\prop_item:Nn \l_gotham_template_name_prop {footlin
4797 }
4798 % left
4799 \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {left} {
4800   % True: nothing to do it is already occupied.
4801 }{
4802   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l_gotham_template_name_prop {sid
4803 }
4804 % right
4805 \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {right} {
4806   % True: nothing to do it is already occupied.
4807 }{
4808   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l_gotham_template_name_prop {si
4809 }
4810 },
4811 mini-frames~nav~position / head .code:n = {
4812 %
4813 \tl_if_eq:VnTF \l_gotham_out_tmp_mfnposi_tl {head} {
4814   % True: nothing to do it is already done.
4815 }{
4816   % False : remember that choice in order to do not apply it several time and add to beamer
4817   \tl_set:Nn \l_gotham_out_tmp_mfnposi_tl {head}
4818
4819   \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {head} {
4820     % True: nothing to do it is already occupied.
4821   }{
4822     \setbeamertemplate{headline}[default/\prop_item:Nn \l_gotham_template_name_prop {headli
4823   }
4824   % \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {frametitle} {
4825     % True: nothing to do it is already occupied.
4826   % }{
4827     % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l_gotham_template_name_prop {fra
4828   % }
4829   \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {footline} {

```

```

4830 % True: nothing to do it is already occupied.
4831 }{
4832 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4833 }
4834 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4835 % True: nothing to do it is already occupied.
4836 }{
4837 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4838 }
4839 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4840 % True: nothing to do it is already occupied.
4841 }{
4842 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4843 }
4844 }
4845 %
4846 \addtobeamertemplate{headline}{}{
4847 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
4848 \usebeamertemplate*{mini-nav~progress~head/foot}
4849 }{}
4850 }
4851 }
4852 },
4853 mini~frames~nav~position / foot .code:n = {
4854 %
4855 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
4856 % True: nothing to do it is already done.
4857 }{
4858 % False : remember that choice in order to do not apply it several time and add to beamer
4859 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {foot}
4860 }
4861 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4862 % True: nothing to do it is already occupied.
4863 }{
4864 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4865 }
4866 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4867 % % True: nothing to do it is already occupied.
4868 % }{
4869 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4870 % }
4871 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4872 % True: nothing to do it is already occupied.
4873 }{
4874 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4875 }
4876 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4877 % True: nothing to do it is already occupied.
4878 }{
4879 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4880 }
4881 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4882 % True: nothing to do it is already occupied.
4883 }{

```

```

4884 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4885 }
4886
4887 \addtobeamertemplate{footline}{}{
4888 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
4889 \usebeamertemplate*{mini~nav~progress~head/foot}
4890 }{}
4891 }
4892 }
4893 },
4894 mini~frames~nav~position / left .code:n = {
4895 %
4896 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
4897 % True: nothing to do it is already done.
4898 }{
4899 % False : remember that choice in order to do not apply it several time and add to beamer
4900 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {left}
4901
4902 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4903 % True: nothing to do it is already occupied.
4904 }{
4905 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4906 }
4907 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4908 % % True: nothing to do it is already occupied.
4909 % }{
4910 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4911 % }
4912 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4913 % True: nothing to do it is already occupied.
4914 }{
4915 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4916 }
4917 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4918 % True: nothing to do it is already occupied.
4919 }{
4920 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4921 }
4922 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4923 % True: nothing to do it is already occupied.
4924 }{
4925 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4926 }
4927
4928 %
4929 \addtobeamertemplate{sidebar~left}{}{
4930 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
4931 \usebeamertemplate*{mini~nav~progress~left}
4932 }{}
4933 }
4934 }
4935 },
4936 mini~frames~nav~position / right .code:n = {
4937 %

```

```

4938 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
4939 % True: nothing to do it is already done.
4940 }{
4941 % False : remember that choice in order to do not apply it several time and add to beamer
4942 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {right}
4943
4944 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4945 % True: nothing to do it is already occupied.
4946 }{
4947 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4948 }
4949 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4950 % % True: nothing to do it is already occupied.
4951 % }{
4952 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4953 % }
4954 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4955 % True: nothing to do it is already occupied.
4956 }{
4957 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4958 }
4959 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4960 % True: nothing to do it is already occupied.
4961 }{
4962 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4963 }
4964 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4965 % True: nothing to do it is already occupied.
4966 }{
4967 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4968 }
4969
4970 %
4971 \addtobeamertemplate{sidebar~right}{}{
4972 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
4973 \usebeamertemplate*{mini-nav~progress~right}
4974 }{
4975 }
4976 }
4977 },
4978
4979 mini-frames~nav~position / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~
4980 }

```

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

Progress bar

`\gothamProgressHeadFootLineheight` Lengths used in tikz rectangle.

```

4981 \newlength{\gotham@progressinheadfoot}
4982 \newlength{\gothamProgressHeadFootLineheight}
4983 \setlength{\gothamProgressHeadFootLineheight}{1.2ex}

```

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

`\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.

```
4984 \bool_new:N \l_gotham_ProgCircleMoving_bool
4985 \bool_set_true:N \l_gotham_ProgCircleMoving_bool
4986
4987 \bool_new:N \l_gotham_progbar_advancement_tlbr_bool
4988 \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
4989
4990 \bool_new:N \l_gotham_pmf_n_bool
4991 \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 ??.)*

`_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.

```
4992 % #1: 'linewidth'
4993 \cs_new_protected:Npn \_gotham_rectangle_box_progressbar:n #1
4994 {
4995 %
4996 \setlength{\gotham@progressinheadfoot}{
4997 #1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
4998 }
4999
5000 %
5001 \begin{beamercolorbox}[wd=#1]{progress~bar~in~head/foot}
5002 \begin{tikzpicture}
5003 \usebeamercolor{progress~bar~in~head/foot}
5004
5005 % gray rectangle in the background.
5006 \fill[color=progress~bar~in~head/foot.bg]
5007 (0pt, 0pt) rectangle ++ (#1, \gothamProgressHeadFootLineheight)
5008 ;
5009
5010 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
5011 % from left to right
5012 % orange rectangle progressing
5013 \fill[color=progress~bar~in~head/foot.fg]
5014 (0pt, 0pt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
5015 ;
5016 }{
5017 % from right to left
5018 % orange rectangle progressing
5019 \fill[color=progress~bar~in~head/foot.fg]
5020 (#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\go
5021 ;
5022 }
5023
5024 \bool_if:NTF \l_gotham_pmf_n_bool {
5025 % progress miniframes navigation is on.
5026 \node at (#1/2, \gothamProgressHeadFootLineheight/2)
5027 [text-height=0.1pt, text-depth=0.05pt, inner-sep=0pt] %draw=red,
5028 {
5029 \usebeamercolor[fg]{normal~text}
5030 % \fontsize{3.5pt}{0pt}\selectfont
5031 \raisebox{0.5\gothamProgressHeadFootLineheight+1.4pt}[0pt][0pt]{
5032 %\dohead
5033 \hfuzz=#1
5034 \insertnavigation{#1}
5035 }
5036 }
5037 ;
5038 }{
5039 % false
5040 % nothing to do since progress miniframes navigation is off.
5041 }
5042 \end{tikzpicture}
5043 \end{beamercolorbox}
5044 }
```

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*.

```
5045 \defbeamertemplate{progress-bar~in~head/foot}{gotham-rectangle}{
5046 \nointerlineskip
5047 \_gotham_rectangle_box_progressbar:n {\paperwidth}
5048 }
```

(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*.

```
5049 \defbeamertemplate{progress-bar~in~left}{gotham-rectangle}{
5050 \nointerlineskip
5051
5052 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
5053 \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
5054
5055 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
5056
5057 \vspace{0.12275\paperheight}
5058 \rotatebox{90}{
5059 \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
5060 }
5061 }
5062 \defbeamertemplate{progress-bar~in~right}{gotham-rectangle}{
5063 \nointerlineskip
5064
5065 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
5066 \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
5067
5068 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\
5069
5070 \hspace{-\gothamProgressHeadFootLineheight}
5071 \vspace{\gotham@temp@heightFrametitle-27.75pt}
5072 \rotatebox{-90}{
5073 \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
5074 }
5075 }
```

(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.

```
5076 % #1: 'linewidth'
5077 % #2: ratio of the progress bar
5078 % #3: colorbox name
5079 % #4: command for percent of progress
5080 \cs_new_protected:Npn \_gotham_rounded_box_progressbar:nnnn #1#2#3#4
5081 {
5082   \setlength{\gotham@progressinheadfoot}{
5083     #2#1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
5084   }
5085
5086   % 1.035\gothamProgressHeadFootLineheight is to include the border inside the box.
5087   \begin{beamercolorbox}[wd=#1, ht=1.035\gothamProgressHeadFootLineheight]{#3}
5088     \; \hfill
5089     %\tikzexternaldisable%
5090     \begin{tikzpicture}[rounded~corners=0.5\gothamProgressHeadFootLineheight, very~thin]
5091       \usebeamercolor{progress~bar~in~head/foot}
5092
5093       % gray rectangle in the background.
5094       \shade[top~color=progress~bar~in~head/foot.bg!65, bottom~color=progress~bar~in~head/foot.
5095         (Opt, Opt) rectangle ++ (#2#1, \gothamProgressHeadFootLineheight)
5096       ;
5097
5098       \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
5099         % from left to right
5100         % orange rectangle progressing
5101         \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
5102         (Opt, Opt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
5103       ;
5104     }{
5105       % from right to left
5106       % orange rectangle progressing
5107       \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
5108       (#2#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\
5109     ;
5110   }
5111
5112   \bool_if:NTF \l_gotham_pmf_n_bool {
5113     % progress miniframes navigation is on.
5114     \node at (#2#1/2, \gothamProgressHeadFootLineheight/2)
5115       [text~height=0.1pt, text~depth=0.05pt, inner~sep=0pt] %draw=red,
5116       {
5117         \usebeamercolor[fg]{normal~text}
5118         % \fontsize{3.5pt}{0pt}\selectfont
5119         \raisebox{0.5\gothamProgressHeadFootLineheight+1.4pt}[0pt][0pt]{
5120           \hfuzz=#2#1           120
5121           %\dohead
5122           \insertnavigation{#2#1}
5123         }
5124       }
5125   ;
5126 }{
5127   % false
5128   % nothing to do since progress miniframes navigation is off.
```


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*.

```
5136 \defbeamertemplate{progress-bar-in-head/foot}{gotham-rounded-box}{
5137 \nointerlineskip
5138 \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.93}{footline}{
5139 \hfill
5140 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
5141 \fontsize{5pt}{0pt}\selectfont
5142 \usebeamercolor[fg]{normal~text}
5143 \fp_eval:n {round(\insertframenummer*100/\inserttotalframenummer,0)}\,\,%
5144 }
5145 }
5146 % \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.53}{progress-bar-in-head/foot}{
5147 }
```

(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*.

```
5148 \defbeamertemplate{progress-bar-in~left}{gotham-rounded-box}{
5149 \nointerlineskip
5150
5151 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
5152 \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
5153
5154 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-
5155
5156 \vspace{0.12275\paperheight}
5157 % \hspace{\gothamProgressHeadFootLineheight}
5158 \rotatebox{90}{
5159 \_gotham_rounded_box_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline
5160 \hfill
5161 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
5162 \fontsize{5pt}{0pt}\selectfont
5163 \fp_eval:n {round(\insertframenummer*100/\inserttotalframenummer,0)}\,\,%
5164 }
5165 }
5166 }
5167 }
5168 \defbeamertemplate{progress-bar-in-right}{gotham-rounded-box}{
5169 \nointerlineskip
5170
5171 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
5172 \addtolength{\gotham@temp@heightFrametitle}{\gothamFrametitleToppading+\gothamFrametitleBot
5173
5174 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-
5175
5176 \hspace{-\gothamProgressHeadFootLineheight-0.2pt}
5177 \vspace{\gotham@temp@heightFrametitle-27.75pt}
5178 \rotatebox{-90}{
```

```

5179 \__gotham_rounded_box_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline
5180 \hfill
5181 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
5182 \fontsize{5pt}{0pt}\selectfont
5183 \fp_eval:n {round(\insertframenumber*100/\inserttotalframenumber,0)}\,\,%
5184 }
5185 }
5186 }
5187 }

```

(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 5188 %the height of the header is 1.8 times the lineheight of the frame title
\gothamProgressCircBorderWidth 5189 \newlength{\gothamProgressCircHeight}
5190 \setlength{\gothamProgressCircHeight}{1.8\baselineskip}
5191 %\setlength{\gothamProgressCircHeight}{2\baselineskip}
5192 \newlength{\gothamCounterCircleRadius}
5193 \setlength{\gothamCounterCircleRadius}{1.12ex}
5194 % width of the border
5195 \newlength{\gothamProgressCircBorderWidth}
5196 \setlength{\gothamProgressCircBorderWidth}{1.65mm}
5197
5198 %% Induced length used internally, but can still be tuned manually by inspired people.
5199 % radius of the logo
5200 \newlength{\gothamProgressCircLogoRadius}
5201 \setlength{\gothamProgressCircLogoRadius}{1.2\gothamProgressCircHeight/2}
5202 % inner radius of border of the logo frame
5203 \newlength{\gothamProgressCircLogoInnerRadius}
5204 \setlength{\gothamProgressCircLogoInnerRadius}{1.1\gothamProgressCircLogoRadius}
5205 % radius of the outer border of the logo frame
5206 \newlength{\gothamProgressCircLogoOuterRadius}
5207 \setlength{\gothamProgressCircLogoOuterRadius}{\gothamProgressCircLogoInnerRadius+\gothamPro
5208 % radius of the counters
5209 \newlength{\gothamCounterRadius}
5210 \setlength{\gothamCounterRadius}{\gothamProgressCircLogoInnerRadius/2+\gothamProgressCircLogo

```

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

```

\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.
5211 % \fp_new:N \l_gotham_ratio_progress_fp
5212 \fp_new:N \l_gotham_ratio_progresscircle_fp
5213 % the angle token by the counter radius
5214 \fp_new:N \l_gotham_angle_counterradius_fp
5215 % requires xfp for asind
5216 \fp_set:Nn \l_gotham_angle_counterradius_fp {
5217 \fp_eval { 2* asind (\gothamCounterCircleRadius / (2*\gothamCounterRadius)) }
5218 }

```

(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.

```
5219 \providecommand{\gothamInstituteLogoCircle}[1][4ex]{  
5220 \includegraphics[height=#1]{gotham-logo.pdf}  
5221 }
```

`\gothamProgressCircle` Internal command plotting the circle progress and that is used internal in the instituteL-
ogo template within the frametitle template.

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

```
5222 \providecommand{\gothamProgressCircle}{
5223 % \tikzexternalisable
5224 \begin{tikzpicture}[remember~picture,overlay]
5225 % Load colors
5226 \usebeamercolor{standin}
5227 \usebeamercolor{frametitle}
5228 \usebeamercolor{progress~bar~in~head/foot}
5229
5230 % Define center
5231 \coordinate (localCenter);
5232 % draw the outer circle
5233 \fill[fill=progress~bar~in~head/foot.bg] (localCenter) circle (\gothamProgressCircLogo
5234 % draw the inner circle
5235 \fill[fill=frametitle.bg] (localCenter) circle (\gothamProgressCircLogoInnerRadius);
5236 \node at (localCenter) {\gothamInstituteLogoCircle[1.9\gothamProgressCircLogoRadius]};
5237
5238 %% draw progress circle/bar
5239 \bool_if:NTF \l_gotham_ProgCircleMoving_bool {
5240 % the circular counter with a moving counter
5241
5242 %% compute the angle for the progress circle
5243 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
5244 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {-(360)*\insertframenumber/\inserttotalfram
5245 }{
5246 %\else% clockwise rotation
5247 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {(360)*(\insertframenumber/\inserttotalfram
5248 }
5249 %\fi
5250
5251 % draw the arc progress bar
5252 \draw[
5253 color=progress~bar~in~head/foot.fg,
5254 line~width=0.6*\gothamProgressCircBorderWidth
5255 ]
5256 (localCenter)
5257 ++
5258 ([
5259 xshift=\gothamCounterRadius
5260 ]localCenter)
5261 arc[
5262 radius=\gothamCounterRadius,
5263 start~angle=0,
5264 end~angle={\fp_eval:n \l_gotham_ratio_progresscircle_fp}
5265 ]
5266 ;
5267
5268 % draw a point at the beginning of the progress circle
5269 \fill[fill=frametitle.bg]
5270 ([
5271 xshift={\gothamCounterRadius}
5272 ]localCenter.center)
5273 circle (0.3*\gothamProgressCircBorderWidth)
5274 ;
5275 % place the current frame number
5276 \node[
5277 % fill=standin.bg, draw=progress~bar~in~head/foot.bg, thick, circle, minimum~width={\got
5278 ]
5279 (pagenumframe) at (
5280 [rotate=
5281 {\fp_eval:n {\l_gotham_ratio_progresscircle_fp}},
```

outer_key_ interface Controls the outer settings for progress bar.

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

```
5378 % token list to remember what is the current state
5379 % \tl_new:N \l__gotham_out_tmp_pbar_tl
5380 \keys_define:nn { gotham / outer }{
5381 % progressbar~position default
5382 progressbar~position .choice:,
5383 progressbar~position .usage:n = { general },
5384 progressbar~position .default:n = { none },
5385
5386 progressbar~position / none .code:n = {
5387 % reset if it has modified by another progressbar~position strategy
5388 % \__gotham_set_prop_template:nn{sidebar~canvas~right/default}{#1}
5389 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {none}
5390
5391 % head
5392 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5393 % True: nothing to do it is already occupied.
5394 }{
5395 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headline}]
5396 }
5397 % frametitle
5398 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5399 % % True: nothing to do it is already occupied.
5400 % }{
5401 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {frametitle}]
5402 % }
5403 % foot
5404 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5405 % True: nothing to do it is already occupied.
5406 }{
5407 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footline}]
5408 }
5409 % left
5410 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5411 % True: nothing to do it is already occupied.
5412 }{
5413 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~left}]
5414 }
5415 % right
5416 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5417 % True: nothing to do it is already occupied.
5418 }{
5419 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~right}]
5420 }
5421
5422 % logo
5423 \__gotham_set_prop_template:nn{includeLogo/default}{gotham~square}
5424 % section in head
5425 \setbeamertemplate{section~in~head/foot~shaded}[default/\prop_item:Nn \l__gotham_template_name_prop {section~in~head/foot~shaded}]
5426 \setbeamertemplate{section~in~head/foot}[default/\prop_item:Nn \l__gotham_template_name_prop {section~in~head/foot}]
5427 },
5428 progressbar~position / head .code:n = {
5429 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
```

```

5430 % True: nothing to do it is already done.
5431 } {
5432 % False : remember that choice in order to do not apply it several time and add to beamer
5433 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {head}
5434
5435 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5436 % True: nothing to do it is already occupied.
5437 }{
5438 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5439 }
5440 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5441 % % True: nothing to do it is already occupied.
5442 % }{
5443 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5444 % }
5445 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5446 % True: nothing to do it is already occupied.
5447 }{
5448 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5449 }
5450 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5451 % True: nothing to do it is already occupied.
5452 }{
5453 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5454 }
5455 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5456 % True: nothing to do it is already occupied.
5457 }{
5458 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5459 }
5460
5461 %
5462 \addtobeamertemplate{headline}{}{
5463 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5464 \usebeamertemplate*{progress-bar-in-head/foot}
5465 }{}
5466 }
5467 }
5468 },
5469 progressbar~position / frametitle .code:n = {
5470 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5471 % True: nothing to do it is already done.
5472 } {
5473 % False : remember that choice in order to do not apply it several time and add to beamer
5474 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {frametitle}
5475
5476 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5477 % True: nothing to do it is already occupied.
5478 }{
5479 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5480 }
5481 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5482 % % True: nothing to do it is already occupied.
5483 % }{

```

```

5484 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5485 % }
5486 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5487 % True: nothing to do it is already occupied.
5488 }{
5489 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5490 }
5491 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5492 % True: nothing to do it is already occupied.
5493 }{
5494 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5495 }
5496 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5497 % True: nothing to do it is already occupied.
5498 }{
5499 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5500 }
5501
5502 %
5503 \addtobeamertemplate{frametitle}{}{
5504 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5505 \usebeamertemplate*{progress~bar~in~head/foot}
5506 }{}
5507 }
5508 }
5509 },
5510 progressbar~position / foot .code:n = {
5511 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5512 % True: nothing to do it is already done.
5513 } {
5514 % False : remember that choice in order to do not apply it several time and add to beamer
5515 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {footline}
5516
5517 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5518 % True: nothing to do it is already occupied.
5519 }{
5520 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5521 }
5522 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5523 % % True: nothing to do it is already occupied.
5524 % }{
5525 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5526 % }
5527 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5528 % True: nothing to do it is already occupied.
5529 }{
5530 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5531 }
5532 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5533 % True: nothing to do it is already occupied.
5534 }{
5535 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5536 }
5537 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {

```

```

5538 % True: nothing to do it is already occupied.
5539 }{
5540 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5541 }
5542
5543 %
5544 \addtobeamertemplate{footline}{}{
5545 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5546 \usebeamertemplate*{progress~bar~in~head/foot}
5547 }{}
5548 }
5549 }
5550 },
5551 progressbar~position / circlehead .code:n = {
5552 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5553 % True: nothing to do it is already done.
5554 } {
5555 % False : remember that choice in order to do not apply it several time and add to beamer
5556 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {circlehead}
5557
5558 %
5559 %%\prop_put:Nnn \l__gotham_template_name_SAVE_prop {includeLogo/default} {gotham~square}
5560 \__gotham_set_prop_template:nn{includeLogo/default}{gotham~circle}
5561 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham~secSubsec}
5562 \__gotham_set_template:nn{section~in~head/foot}{default/gotham~secSubsec}
5563 % \__gotham_set_template:nn{headline}{default/gotham~section}
5564 % \setbeamertemplate{headline}[default/gotham~section]
5565
5566 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5567 % True: it is already occupied, so let's emulate the gotham section
5568 \addtobeamertemplate{headline}{}{
5569 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5570 \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
5571 \usebeamerfont{section~in~head/foot}\hspace*{3.5ex}
5572 \usebeamertemplate{section~in~head/foot}
5573 \end{beamercolorbox}
5574 }{}
5575 }
5576 }{
5577 % \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {head
5578 \__gotham_set_template:nn{headline}{default/gotham~section}
5579 }
5580 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5581 % % True: nothing to do it is already occupied.
5582 % }{
5583 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5584 % }
5585 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5586 % True: nothing to do it is already occupied.
5587 }{
5588 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5589 }
5590 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5591 % True: nothing to do it is already occupied.

```



```

5592   }{
5593     \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5594   }
5595   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5596     % True: nothing to do it is already occupied.
5597   }{
5598     \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5599   }
5600   }
5601 },
5602 progressbar~position / left .code:n = {
5603   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5604     % True: nothing to do it is already done.
5605   } {
5606     % False : remember that choice in order to do not apply it several time and add to beamer
5607     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {left}
5608
5609     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5610       % True: nothing to do it is already occupied.
5611     }{
5612       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5613     }
5614     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5615     % % True: nothing to do it is already occupied.
5616     % }{
5617       \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5618     % }
5619     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5620       % True: nothing to do it is already occupied.
5621     }{
5622       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5623     }
5624     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5625       % True: nothing to do it is already occupied.
5626     }{
5627       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5628     }
5629     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5630       % True: nothing to do it is already occupied.
5631     }{
5632       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5633     }
5634
5635     %
5636     \addtoeamertemplate{sidebar~left}{}{
5637       \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5638         \usebeamertemplate*{progress~bar~in~left}
5639       }{}
5640     }
5641   }
5642 },
5643 progressbar~position / right .code:n = {
5644   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5645     % True: nothing to do it is already done.

```

```

5646 } {
5647 % False : remember that choice in order to do not apply it several time and add to beamer
5648 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {right}
5649
5650 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5651 % True: nothing to do it is already occupied.
5652 }{
5653 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5654 }
5655 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5656 % % True: nothing to do it is already occupied.
5657 % }{
5658 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5659 % }
5660 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5661 % True: nothing to do it is already occupied.
5662 }{
5663 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5664 }
5665 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5666 % True: nothing to do it is already occupied.
5667 }{
5668 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5669 }
5670 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5671 % True: nothing to do it is already occupied.
5672 }{
5673 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5674 }
5675
5676 %
5677 \addtobeamertemplate{sidebar~right}{}{
5678 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5679 \usebeamertemplate*{progress~bar~in~right}
5680 }{
5681 }
5682 }
5683 },
5684
5685 progressbar~position / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
5686 }

```

(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*.

```

5687 % token list to remember what is the current state
5688 \keys_define:nn { gotham / outer }{
5689 % progressbar~style default
5690 progressbar~style .choice:,
5691 progressbar~style .usage:n = { general },
5692 progressbar~style .default:n = { rectangle },
5693
5694 progressbar~style / rectangle .code:n = {

```

```

5695 %
5696 % \defbeamertemplate*{progress-bar-in-head/foot}{gotham-rectangle}
5697 \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rectangle}
5698 \__gotham_set_template:nn{progress-bar-in-left}{gotham-rectangle}
5699 \__gotham_set_template:nn{progress-bar-in-right}{gotham-rectangle}
5700 },
5701
5702 progressbar~style / rounded-box .code:n = {
5703 %
5704 \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rounded-box}
5705 \__gotham_set_template:nn{progress-bar-in-left}{gotham-rounded-box}
5706 \__gotham_set_template:nn{progress-bar-in-right}{gotham-rounded-box}
5707 },
5708
5709 progressbar~style / moving-circle .code:n = {
5710 %
5711 \bool_set_true:N \l_gotham_ProgCircleMoving_bool
5712 },
5713
5714 progressbar~style / fixed-circle .code:n = {
5715 %
5716 \bool_set_false:N \l_gotham_ProgCircleMoving_bool
5717 },
5718
5719 progressbar~style / unknown .code:n = { \PackageWarning{ gotham } { The-choice-#1'-is-unknown } }
5720 }

```

(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.

```

5721 % token list to remember what is the current state
5722 \keys_define:nn { gotham / outer }{
5723 % progressbar~advancement default
5724 progressbar~advancement .choice:,
5725 progressbar~advancement .usage:n = { general },
5726 progressbar~advancement .default:n = { tlbr },
5727
5728 progressbar~advancement / tlbr .code:n = {
5729 %
5730 \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5731 },
5732 progressbar~advancement / TLBR .code:n = {
5733 %
5734 \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5735 },
5736
5737 progressbar~advancement / brlt .code:n = {
5738 %
5739 \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool
5740 },
5741 progressbar~advancement / BRLT .code:n = {
5742 %
5743 \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool

```

```

5744 },
5745
5746 progressbar~advancement / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'-i
5747 }

```

(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.

```

5748 % token list to remember what is the current state
5749 \keys_define:nn { gotham / outer }{
5750 % progressbar~mfndefault
5751 progressbar~mfndefault .choice:,
5752 progressbar~mfndefault .usage:n = { general },
5753 progressbar~mfndefault .default:n = { off },
5754
5755 progressbar~mfndefault / true .code:n = {
5756 \bool_set_true:N \l_gotham_pmfndefault_bool
5757
5758 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5759 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5760 \renewcommand{\gothamPatchSectionbox}{
5761 % patch to set section box height to 0.
5762 \ht\beamer@sectionbox=0.ex
5763 \dp\beamer@sectionbox=0.ex
5764 }
5765 },
5766 progressbar~mfndefault / on .code:n = {
5767 \bool_set_true:N \l_gotham_pmfndefault_bool
5768
5769 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5770 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5771 \renewcommand{\gothamPatchSectionbox}{
5772 % patch to set section box height to 0.
5773 \ht\beamer@sectionbox=0.ex
5774 \dp\beamer@sectionbox=0.ex
5775 }
5776 },
5777 progressbar~mfndefault / enable .code:n = {
5778 \bool_set_true:N \l_gotham_pmfndefault_bool
5779
5780 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5781 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5782 \renewcommand{\gothamPatchSectionbox}{
5783 % patch to set section box height to 0.
5784 \ht\beamer@sectionbox=0.ex
5785 \dp\beamer@sectionbox=0.ex
5786 }
5787 },
5788
5789 progressbar~mfndefault / false .code:n = { \bool_set_false:N \l_gotham_pmfndefault_bool },
5790 progressbar~mfndefault / off .code:n = { \bool_set_false:N \l_gotham_pmfndefault_bool },
5791 progressbar~mfndefault / disable .code:n = { \bool_set_false:N \l_gotham_pmfndefault_bool },
5792

```

```

5793 progressbar~mfn / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unknown
5794 }

```

(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.

```

5795 % when no value is given, default is called.
5796 \keys_set:nn { gotham / outer } {
5797 sidebar~canvas~right~template, sidebar~canvas~left~template,
5798 edging~default,
5799 frametitle~template, framesubtitle~template, frametitle~continuation~template,
5800 numbering,
5801 rotateFooter~default,
5802 footer~template,
5803 mini~frames~shape, mini~frames~bundle,
5804 mini~frames~compress,
5805 mini~frames~nav~spreading,
5806 mini~frames~nav~sectioning,
5807 mini~frames~nav~position,
5808 progressbar~position, progressbar~style, progressbar~advancement, progressbar~mfn,
5809 }

```

(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.

```

5810 \ProcessKeyOptions[ gotham / outer ]
5811 % \mode<all>

```

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

```

5812 %\endinput
5813 </outer>

5814 <*package>
5815 \RequirePackage{expl3}
5816 % \RequirePackage{ifxetex}
5817 % \RequirePackage{ifluatex}
5818 % \RequirePackage{etoolbox}
5819 % \RequirePackage{xcolor}
5820 % \RequirePackage{tikz}
5821 % \RequirePackage{calc} % I think I can remove it with a bit of work
5822 % \RequirePackage{xfp}

5823 %%%%%%%%%%%
5824 %%%%%%%%%%% PACKAGE %%%%%%%%%%%
5825 %%%%%%%%%%%
5826 %
5827 %

```

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

```
5828
5829 %
5830 \usefonttheme{gotham}
5831 \usecolortheme{gotham}
5832 \useinnertheme{gotham}
5833 \useoutertheme{gotham}
5834 %
5835 %
5836 %
5837
5838 %%%% Setting keys %%%%
5839
5840 % set new counter for how many time the lookup is used
5841 \int_new:N \l_gotham_lookup_cnt
5842 \int_set:Nn \l_gotham_lookup_cnt {0}
5843
5844 \seq_const_from_clist:Nn \c__gotham_load_submodules_seq { font, color, inner, outer }
5845
5846 \cs_new_protected:Npn \__gotham_lookup_keymodules:nn #1#2
5847 {
5848   \int_incr:N \l_gotham_lookup_cnt
5849   % \int_show:n \l_gotham_lookup_cnt
5850
5851   % if lookup counter is lower than the number of submodules-1 [before it was +1, not complet
5852   \if_int_compare:w \l_gotham_lookup_cnt < 2
5853     %true : do nothing
5854   \else:
5855     % \int_show:n \l_gotham_lookup_cnt
5856     \seq_map_inline:Nn \c__gotham_load_submodules_seq
5857     {
5858       \keys_if_exist:nnT { gotham / ##1 } {#1}
5859       {
5860         % missing feature in l3keys, we have no better way to detect an omitted value, so we hav
5861         \tl_if_empty:nTF {#2}
5862         { \keys_set:nn { gotham / ##1 } { #1 } }
5863         { \keys_set:nn { gotham / ##1 } { #1 = {#2} } }
5864         \prg_break:
5865       }
5866     }
5867     \msg_error:nnn { gotham } { unknown-key } {#1}
5868     \prg_break_point:
5869   \fi:
5870 }
5871 \cs_generate_variant:Nn \__gotham_lookup_keymodules:nn { Vn }
5872 \msg_new:nnn { gotham } { unknown-key } { Unknown~ key~ #1~ encountered. }
5873
5874 % Property list for all groups.
5875 \prop_new:N \l__gotham_all_all_user_keys_prop
5876 \prop_const_from_keyval:Nn \c__gotham_all_pkg_keys_prop {
5877
5878 \keys_define:nn { gotham / all / all }
5879 {
5880   unknown .code:n =
```

```

5881 {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5882 }
5883
5884 % Set default keys/options from keyval
5885 % \__gotham_set_default_from_keyval: variant, keyval, group command
5886 \cs_new_protected:Npn \__gotham_set_default_from_keyval:nnn #1 #2 #3
5887 { %%
5888 % Check if keyvalues have been given.
5889 \tl_if_novalue:nTF {#2}
5890 { % no user keys given so _user_keys_prop is taking pkg prop
5891 \prop_set_eq:cc { l__gotham_#3_#1_user_keys_prop } { c__gotham_#3_pkg_keys_prop }
5892 }{ % user key given and put it in prop
5893 \prop_put_from_keyval:cn { l__gotham_#3_#1_user_keys_prop } {#2}
5894 }% end if
5895 %
5896 % xx
5897 \__gotham_set_default_auxi:cnn { l__gotham_#3_#1_user_keys_prop } {#1} {#3}
5898 %
5899 % xx
5900 \keys_set:nn { gotham/#3/#1 } { default }
5901 }
5902 %
5903 % prop-key-val, variant, group command
5904 \cs_new_protected:Npn \__gotham_set_default_auxi:Nnn #1 #2 #3
5905 {
5906 \__gotham_set_default_auxii:fnn { \prop_to_keyval:N #1 } {#2} {#3}
5907 }
5908 \cs_generate_variant:Nn \__gotham_set_default_auxi:Nnn { c }
5909 %
5910 % key-val, variant, group command
5911 \cs_new_protected:Npn \__gotham_set_default_auxii:nnn #1 #2 #3
5912 {
5913 \keys_define:nn { gotham/#3/#2 } { default .meta:n = {#1} }
5914 }
5915 \cs_generate_variant:Nn \__gotham_set_default_auxii:nnn { f }
5916 %
5917 %
5918 % (re)set keys/options by default for a group of commands.
5919 % \gothamset m:options:#1
5920 \DeclareDocumentCommand{\gothamset}{m}
5921 {
5922 \__gotham_set_default_from_keyval:nnn { all } {#1} { all }
5923 \keys_set:nn { gotham/all/all } { default }
5924 }
5925
5926 \def\gotham@plaintitleformat#1{#1}
5927 \providecommand{\mreducelistspacing}{\vspace{-\topsep}}
5928
5929 \ProcessOptionsBeamer
5930 \keys_define:nn { gotham / font }
5931 {
5932 unknown .code:n =
5933 {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5934 }

```

```

5935 \keys_define:nn { gotham / color }
5936 {
5937   unknown .code:n =
5938   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5939 }
5940 \keys_define:nn { gotham / inner }
5941 {
5942   unknown .code:n =
5943   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5944 }
5945 \keys_define:nn { gotham / outer }
5946 {
5947   unknown .code:n =
5948   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5949 }
5950
5951 \ProcessKeyOptions[ gotham / font ]
5952 \ProcessKeyOptions[ gotham / color ]
5953 \ProcessKeyOptions[ gotham / inner ]
5954 \ProcessKeyOptions[ gotham / outer ]
5955
5956 %

```

`\gothamreset`

#1 : height of the picture

Command to be redefined by users.

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

```
5957 \DeclareDocumentCommand{\gothamreset}{m}{
5958 % commands
5959 \renewcommand{\gothamInstituteLogoSquare}[1][4ex]{ }
5960 \renewcommand{\gothamInstituteLogoCircle}[1][4ex]{ }
5961 \renewcommand{\gothamHookPostColorBGSet}{
5962   \colorlet{colorStandout}{colorA}
5963   \colorlet{colorFrametitle}{colorA}
5964   \colorlet{colorProgBar}{colorC}
5965   \setbeamercolor{frametitle}{
5966     use=primary~palette,
5967     parent=primary~palette,
5968     bg=colorFrametitle,
5969     fg=colorBG
5970   }
5971   \setbeamercolor{standout}{bg=colorStandout, fg=colorPale}
5972 }
5973 \renewcommand{\gothamtitlepagelogo}{}
5974 \renewcommand{\gothamtitlepagebg}{}
5975 \renewcommand{\gothamRightFiligrane}{}
5976 \renewcommand{\gothamLeftFiligrane}{}
5977 \renewcommand{\gothamHookFooter}{}
5978
5979 % lengths
5980 \setlength{\gothamProgressSectionHeight}{3pt}
5981 \setlength{\sectionhoffset}{0pt}
5982 \setlength{\sidebarRightHOffset}{-2.5ex}
5983 \setlength{\sidebarLeftHOffset}{+0.5ex}
5984 \setlength{\gothamFrametitleToppading}{2.2ex}
5985 \setlength{\gothamFrametitleBottompadding}{2.2ex}
5986 \setlength{\gothamFrametitleLeftpadding}{2.2ex}
5987 \setlength{\gothamFrametitleRightpadding}{2.2ex}
5988 \setlength{\gothamFramesubtitleStrutend}{0pt}
5989 \setlength{\gothamFootlineVOffset}{-0.5ex}
5990 \setlength{\gothamFootlineDepth}{0.1ex}
5991 \setlength{\gothamFootlineHeight}{1.5ex}
5992 \setlength{\gothamFootlineHRightOffset}{\spaceskip}
5993 \setlength{\gothamHposLeftRotFooter}{-7pt}
5994 \setlength{\gothamHposRightRotFooter}{2pt}
5995 \setlength{\gothamVposLeftRotFooter}{15pt}
5996 \setlength{\gothamVposRightRotFooter}{15pt}
5997 \setlength{\gothamLeftFooterPadding}{2.0ex}
5998 \setlength{\gothamRightFooterPadding}{3.5ex}
5999 \setlength{\gothamFooterHOffset}{0pt}
6000 \setlength{\gothamFootlineRuleLeftPadding}{7mm}
6001 \setlength{\gothamFootlineRuleHeight}{0.0pt}
6002 \setlength{\gothamFootlineRuleLength}{15mm}
6003 \setlength{\gothamProgressCircHeight}{1.8\baselineskip}
6004 \setlength{\gothamCounterCircleRadius}{1.12ex}
6005 \setlength{\gothamProgressCircBorderWidth}{1.65mm}
6006 \setlength{\gothamCircleNumberingVshift}{1.4mm}
6007 \setlength{\gothamCircleNumberingHshift}{2.6mm}
6008 \setlength{\gothamProgressHeadFootLineheight}{1.2ex}
6009
6010 % options to default
6011 \keys_set:nn { gotham/all/all } { default }
6012 }
```

```
6013 %\endinput
6014 \endpackage
```