

# 1 Commands description for users

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

## FONT

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

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

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

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

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

*(End of definition for \g\_gotham\_fontsnotfound\_int:n. This variable is documented on page ??.)*

---

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

Command to check if one font exist.

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

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

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

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

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

Load\_fonts\_if\_available If fontspec is loadable (ie. if xelatex or lualatex), then load available fonts, otherwise raise a warning and go on.

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

```
47 \ifboolexpr{bool~{xetex}~or~bool~{luatex}}{
48 % if fontspec loaded pass option otherwise load fontspec.
49 \@ifpackageloaded{fontspec}{
50 \PassOptionsToPackage{no-math}{fontspec}
51 }{
52 \RequirePackage[no-math]{fontspec}
53 }
54 %
55 % We search for regular, italic, light, light italic, fonts under the default |Fira Sans| na
56 \iffontsavailable{FiraSans-Light.otf,
57 FiraSans-LightItalic.otf,
58 FiraSans-Regular.otf,
59 FiraSans-Italic.otf}
60 {
61 \setsansfont[ItalicFont={FiraSans-LightItalic.otf},
62 BoldFont={FiraSans-Regular.otf},
63 BoldItalicFont={FiraSans-Italic.otf}]
64 {FiraSans-Light.otf}
65 }{
66 % If this fails, the suffix OT --- used by some Linux distributions --- will be tried.
67 \iffontsavailable{FiraSans-Light~OT,
68 FiraSans-LightItalic~OT,
69 FiraSans-Regular~OT,
70 FiraSans-Italic~OT}
71 {
72 \setsansfont[ItalicFont={Fira-Sans-LightItalic~OT},
73 BoldFont={Fira-Sans-Regular~OT},
74 BoldItalicFont={Fira-Sans-Italic~OT}]
75 {Fira-Sans-Light~OT}
76 }{
77 % If this also fails, a warning will be displayed and the standard fonts will be used.
78 \msg_warning:nn { gotham } { fonts-not-available }%
79 }
80 }
```

```

81 %
82 % We search for regular, mono, and mono bold fonts under the default |Fira Mono| names.
83 \iffontsavailable{FiraMono-Medium.otf, FiraMono-Bold.otf}{
84   \setmonofont[BoldFont={FiraMono-Medium.otf}]{FiraMono-Bold.otf}
85 }{
86   % If this fails, the suffix OT --- used by some Linux distributions --- will be tried.
87   \iffontsavailable{Fira-Mono-Medium~OT, Fira-Mono-Bold~OT}{
88     \setmonofont[BoldFont={Fira-Mono-Medium~OT}]{Fira-Mono-Bold~OT}
89   }{
90     % If this also fails, a warning will be displayed and the standard fonts will be used.
91     \msg_warning:nn { gotham } { fonts-not-available }
92   }
93 }
94 %
95 % Add a feature for numbers in tables.
96 \AtBeginEnvironment{tabular}{
97   \addfontfeature{Numbers={Monospaced}}
98 }
99 }{
100 % If compiled with pdf\LaTeX{, then apply a dirty patch (that will not do the job but suppress
101 \msg_warning:nn { gotham } { compiler-xe-or-lua }
102 \DeclareFontShape{OT1}{cmss}{bx}{sc}{<-> cmbcsc10}{
103 \DeclareFontShape{OT1}{cmss}{bx}{it}{<->sub*cmss/m/sl}{
104 }

```

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

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

```

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

```

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

---

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

---

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

```

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

```

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

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

```

146 \ExplSyntaxOff
147 \patchcmd{\beamer@title}
148   {\def\inserttitle{#2}}
149   {\def\inserttitle{\gotham@titleformat{#2}}}
150 % {\def\inserttitle{ \_gotham_title_format:n{#2} }}
151 {}
152 {\PackageError{beamerfontthemegotham}{Patching-title-failed}\@ehc}
153 \patchcmd{\beamer@subtitle}
154   {\def\insertsubtitle{#2}}
155   {\def\insertsubtitle{\gotham@subtitleformat{#2}}}
156 % {\def\insertsubtitle{ \_gotham_subtitle_format:n{#2} }}
157 {}
158 {\PackageError{beamerfontthemegotham}{Patching-subtitle-failed}\@ehc}
159 \patchcmd{\sectionentry} % beamerbasenavigation.sty 1.335
160   {\def\insertsectionhead{#2}}
161   {\def\insertsectionhead{\gotham@sectiontitleformat{#2}}}
162 {}
163 {\PackageError{beamerfontthemegotham}{Patching-section-title-failed}\@ehc}%
164 %
165 %% NOT WORKING YET!
166 %% \patchcmd{\subsectionentry} % beamerbasenavigation.sty 1.384
167 %% {\def\insertsubsectionhead{##5}}

```

```

168 %% {\def\insertsubsectionhead{\gotham@subsectiontitleformat{##5}}}
169 %% {}
170 %% {\PackageError{beamerfontthemegotham}{Patching~subsection~title~failed}\@ehc}%
171 %
172 \@tempswafalse
173 \patchcmd{\beamer@section} % beamerbasesection.sty l. 209
174 {\def\insertsectionhead{\hyperlink{Navigation\the\c@page}{#1}}}
175 {\def\insertsectionhead{\hyperlink{Navigation\the\c@page}{\gotham@sectiontitleformat{#1}}}}
176 % \_gotham_section_title_format:n{#2}
177 {\@tempwatrue}
178 {}
179 \patchcmd{\beamer@section} % beamerbasesection.sty l. 209
180 {\edef\insertsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\unexpanded{#1}}}}
181 {\edef\insertsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpand\gotham@sectio
182 % \exp_not:N \_gotham_section_title_format:n {#1}
183 {\@tempwatrue}
184 {}
185 \if@tempswa\else
186 {\PackageError{beamerfontthemegotham}{Patching~section~title~failed}\@ehc}
187 \fi
188 \@tempswafalse
189 %
190 %% NOT WORKING YET !
191 %% \patchcmd{\beamer@subsection} % beamerbasesection.sty l. 209
192 %% {\def\insertsubsectionhead{\hyperlink{Navigation\the\c@page}{#1}}}
193 %% {\def\insertsubsectionhead{\hyperlink{Navigation\the\c@page}{\gotham@subsectiontitleforma
194 %% % \_gotham_subsection_title_format:n{#2}
195 %% {\@tempwatrue}
196 %% {}
197 %% \patchcmd{\beamer@subsection} % beamerbasesection.sty l. 209
198 %% {\protected@edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{#1}}}
199 %% {\protected@edef\insertsubsectionhead{\noexpand\hyperlink{Navigation\the\c@page}{\noexpa
200 %% % \exp_not:N \_gotham_subsection_title_format:n {#1}
201 %% {\@tempwatrue}
202 %% {}
203 %% \if@tempswa\else
204 %% {\PackageError{beamerfontthemegotham}{Patching~subsection~title~failed}\@ehc}
205 %% \fi%
206 %% \@tempswafalse
207 %
208 %
209 % Similarly, to make the |\MakeLowercase| and |\MakeUppercase| macros work in the frame titl
210 \providecommand{\beamer@insertframetitlecontinuation}{
211 \usebeamertemplate*{frametitle~continuation}
212 }
213 \patchcmd{\beamer@@frametitle} % beamerbaselocalstructure.sty l. 32
214 {\gdef\insertframetitle{#{%
215 #2%
216 \ifnum\beamer@autobreakcount>0
217 \relax{ }\space%
218 \beamer@insertframetitlecontinuation%
219 \fi%
220 }}%
221 }

```

```

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

```

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

**font\_key\_ interface** Controls the format and shape of the title (of the presentation), subtitle, part title, section title, subsection title, frametitle and framesubtitle.

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

```

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

```

```

269 \PackageWarning{ gotham } { Be-aware-that-format-title=titlecase-can-lead-to-problems. }
270 },
271 format~title / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl'
272 }
273 \keys_define:nn { gotham / font }
274 {
275 % shape title
276 shape~title .choice:,
277 shape~title .usage:n = { general },
278 shape~title .default:n = { regular },
279 shape~title / regular .code:n =
280 {
281 \setbeamerfont{title}{shape=\normalfont}
282 },
283 shape~title / smallcaps .code:n =
284 {
285 \setbeamerfont{title}{shape=\scshape}
286 },
287 shape~title / italic .code:n =
288 {
289 \setbeamerfont{title}{shape=\itshape}
290 },
291 shape~title / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_value_tl'
292 }
293 }
294 \keys_define:nn { gotham / font }
295 {
296 % format subtitle
297 format~subtitle .choice:,
298 format~subtitle .usage:n = { general },
299 format~subtitle .default:n = { regular },
300 format~subtitle / regular .code:n =
301 {
302 \let\gotham@subtitleformat\empty
303 % \cs_set_eq:NN \__gotham_subtitle_format:n \__gotham_unchanged:n
304 },
305 format~subtitle / lower .code:n =
306 {
307 \let\gotham@subtitleformat \text_lowercase:n %\lowercase
308 % \cs_set_eq:NN \__gotham_subtitle_format:n \text_lowercase:n
309 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=lower-can-lead-to-problems. }
310 },
311 format~subtitle / upper .code:n =
312 {
313 \let\gotham@subtitleformat \text_uppercase:n %\uppercase
314 \cs_set_eq:NN \__gotham_subtitle_format:n \text_uppercase:n
315 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=upper-can-lead-to-problems. }
316 },
317 format~subtitle / titlecase .code:n =
318 {
319 \let\gotham@subtitleformat \text_titlecase_all:n %\MakeTitlecase
320 % \cs_set_eq:NN \__gotham_subtitle_format:n \text_titlecase_all:n %\MakeTitlecase
321 \PackageWarning{ gotham } { Be-aware-that-format-subtitle=titlecase-can-lead-to-problems. }
322 },

```

```

323 format~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value
324 }
325 \keys_define:nn { gotham / font }
326 {
327 % shape subtitle
328 shape~subtitle .choice:,
329 shape~subtitle .usage:n = { general },
330 shape~subtitle .default:n = { regular },
331 shape~subtitle / regular .code:n =
332 {
333 \setbeamerfont{subtitle}{shape=\normalfont}
334 },
335 shape~subtitle / smallcaps .code:n =
336 {
337 \setbeamerfont{subtitle}{shape=\scshape}
338 },
339 shape~subtitle / italic .code:n =
340 {
341 \setbeamerfont{subtitle}{shape=\itshape}
342 },
343 shape~subtitle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value
344 }
345
346 \keys_define:nn { gotham / font }
347 {
348 % format frametitle
349 format~frametitle .choice:,
350 format~frametitle .usage:n = { general },
351 format~frametitle .default:n = { regular },
352 format~frametitle / regular .code:n =
353 {
354 \let\gotham@frametitleformat\@empty
355 % \cs_set_eq:NN \__gotham_frametitle_format:n \__gotham_unchanged:n
356 },
357 format~frametitle / lower .code:n =
358 {
359 \let\gotham@frametitleformat \text_lowercase:n %\lowercase
360 % \cs_set_eq:NN \__gotham_frametitle_format:n \text_lowercase:n
361 \PackageWarning{ gotham } { Be~aware~that~format~frametitle=lower~can~lead~to~problems. }
362 },
363 format~frametitle / upper .code:n =
364 {
365 \let\gotham@frametitleformat \text_uppercase:n %\uppercase
366 % \cs_set_eq:NN \__gotham_frametitle_format:n \text_uppercase:n
367 \PackageWarning{ gotham } { Be~aware~that~format~frametitle=upper~can~lead~to~problems. }
368 },
369 format~frametitle / titlecase .code:n =
370 {
371 \let\gotham@frametitleformat \text_titlecase_all:n %\Maketitlecase
372 % \cs_set_eq:NN \__gotham_frametitle_format:n \text_titlecase_all:n %\MakeTitlecase
373 \PackageWarning{ gotham } { Be~aware~that~format~frametitle=titlecase~can~lead~to~problems
374 },
375 format~frametitle / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_val
376 }

```



```

377 \keys_define:nn { gotham / font }
378 {
379 % shape frametitle
380 shape~frametitle .choice:,
381 shape~frametitle .usage:n = { general },
382 shape~frametitle .default:n = { regular },
383 shape~frametitle / regular .code:n =
384 {
385 \setbeamerfont{frametitle}{shape=\normalfont}
386 },
387 shape~frametitle / smallcaps .code:n =
388 {
389 \setbeamerfont{frametitle}{shape=\scshape}
390 },
391 shape~frametitle / italic .code:n =
392 {
393 \setbeamerfont{frametitle}{shape=\itshape}
394 },
395 shape~frametitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_valu
396 }
397
398 \keys_define:nn { gotham / font }
399 {
400 % format framesubtitle
401 format~framesubtitle .choice:,
402 format~framesubtitle .usage:n = { general },
403 format~framesubtitle .default:n = { regular },
404 format~framesubtitle / regular .code:n =
405 {
406 \let\gotham@framesubtitleformat\@empty
407 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \__gotham_unchanged:n
408 },
409 format~framesubtitle / lower .code:n =
410 {
411 \let\gotham@framesubtitleformat \text_lowercase:n %\lowercase
412 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_lowercase:n
413 \PackageWarning{ gotham } { Be-aware-that-format~framesubtitle=lower-can-lead-to-problems.
414 },
415 format~framesubtitle / upper .code:n =
416 {
417 \let\gotham@framesubtitleformat \text_uppercase:n %\uppercase
418 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_uppercase:n
419 \PackageWarning{ gotham } { Be-aware-that-format~framesubtitle=upper-can-lead-to-problems.
420 },
421 format~framesubtitle / titlecase .code:n =
422 {
423 \let\gotham@framesubtitleformat \text_titlecase_all:n %\Maketitlecase
424 % \cs_set_eq:NN \__gotham_framesubtitle_format:n \text_titlecase_all:n %\Maketitlecase
425 \PackageWarning{ gotham } { Be-aware-that-format~framesubtitle=titlecase-can-lead-to-probl
426 },
427 format~framesubtitle / unknown .code:n = { \PackageWarning{ gotham } { The-choice~'\l_keys_
428 }
429 \keys_define:nn { gotham / font }
430 {

```

```

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

```

```

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

```

```

539 shape~section / regular .code:n =
540 {
541   \setbeamerfont{section~title}{shape=\normalfont}
542 },
543 shape~section / smallcaps .code:n =
544 {
545   \setbeamerfont{section~title}{shape=\scshape}
546 },
547 shape~section / italic .code:n =
548 {
549   \setbeamerfont{section~title}{shape=\itshape}
550 },
551 shape~section / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_t
552 }
553
554 \keys_define:nn { gotham / font }
555 {
556   % format subsection
557   format~subsection .choice:,
558   format~subsection .usage:n = { general },
559   format~subsection .default:n = { regular },
560   format~subsection / regular .code:n =
561   {
562     \let\gotham@subsectiontitleformat\@empty
563     % \cs_set_eq:NN \__gotham_subsection_title_format:n \__gotham_unchanged:n
564   },
565   format~subsection / lower .code:n =
566   {
567     \let\gotham@subsectiontitleformat \text_lowercase:n %\lowercase
568     % \cs_set_eq:NN \__gotham_subsection_title_format:n \text_lowercase:n
569     \PackageWarning{ gotham } { Be~aware~that~format~subsection=lower~can~lead~to~problems. }
570   },
571   format~subsection / upper .code:n =
572   {
573     \let\gotham@subsectiontitleformat \text_uppercase:n %\uppercase
574     % \cs_set_eq:NN \__gotham_subsection_title_format:n \text_uppercase:n
575     \PackageWarning{ gotham } { Be~aware~that~format~subsection=upper~can~lead~to~problems. }
576   },
577   format~subsection / titlecase .code:n =
578   {
579     \let\gotham@subsectiontitleformat\text_titlecase_all:n %\Maketitlecase
580     % \cs_set_eq:NN \__gotham_subsection_title_format:n \text_titlecase_all:n
581     \PackageWarning{ gotham } { Be~aware~that~format~subsection=titlecase~can~lead~to~problems
582   },
583   format~subsection / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_val
584 }
585 \keys_define:nn { gotham / font }
586 {
587   % shape subsection
588   shape~subsection .choice:,
589   shape~subsection .usage:n = { general },
590   shape~subsection .default:n = { regular },
591   shape~subsection / regular .code:n =
592   {

```

```

593 \setbeamerfont{subsection~title}{shape=\normalfont}
594 },
595 shape~subsection / smallcaps .code:n =
596 {
597 \setbeamerfont{subsection~title}{shape=\scshape}
598 },
599 shape~subsection / italic .code:n =
600 {
601 \setbeamerfont{subsection~title}{shape=\itshape}
602 },
603 shape~subsection / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_valu
604 }

```

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

**Default\_font\_keys** Apply default key options.

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

```

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

```

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

**Process\_font\_keys** Process package options.

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

```

615 \ProcessKeyOptions[ gotham / font ]

```

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

```

616 %\endinput
617 </font>

```

```

618 <*color>
619 \ProvidesExplPackage{beamercolorthemegotham}{2024/09/20}{1.1.0.b}{Gotham color theme}
620 \RequirePackage{expl3}
621 \RequirePackage{xparse}
622 \RequirePackage{xcolor}

```

COLOR

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

`colors_definition`

```

623 \definecolor[named]{gLightOrange}{HTML}{EB811B}
624 \definecolor[named]{gLightGreen}{HTML}{14B03D}
625 \definecolor[named]{gDeepBlue}{RGB}{42, 42, 255}
626 \definecolor[named]{gDeepYellow}{RGB}{255, 204, 0}
627 \definecolor[named]{gAnthracite}{HTML}{2d3e50}
628 \definecolor[named]{gLightTeal}{RGB}{172, 195, 210}

```

```

629 \definecolor[named]{gPaleYell}{RGB}{255, 255, 240}
630 \definecolor[named]{gDarkBlack}{gray}{0.1}
631 \definecolor[named]{gDarkGrey}{gray}{0.25}
632 \definecolor[named]{gMidGrey}{gray}{0.5}
633 \definecolor[named]{gLightGrey}{gray}{0.9}

```

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

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

```

634 % Define the color palette
635 \@ifundefined{\string\color@colorAreversed}{
636 % default colorset.
637 \colorlet{colorPale}{gPaleYell} % BG in light/normal mode
638 \colorlet{colorDark}{gDarkBlack} % FG in light/normal mode
639 \colorlet{colorA}{gAnthracite} % frametitle, stdin.out,
640 \colorlet{colorAreversed}{gLightTeal} % frametitle, stdin.in,
641 \colorlet{colorB}{gMidGrey} % gray BG : progress bar, blocks
642 \colorlet{colorC}{gDeepYellOr} % progress bar
643 \colorlet{colorD}{gLightOrange} % alert
644 \colorlet{colorE}{gLightGreen} % example
645 }{
646 % else nothing to do, colors are already defined.
647 }

```

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

---

### `\_gotham_color_set_style_anthracite:`

Command to activate anthracite colorset.

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

```

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

```

---

---

`\_gotham_color_set_style_red:`

Command to activate red colorset.

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

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

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

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

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

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

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

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

---

\\\_gotham\_color\_set\_darkBG:

Command to activate dark mode

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

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

---

\\\_gotham\_color\_set\_lightBG:

Command to activate light background.

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

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



---

`\_gotham_color_set_transparentBG:`

---

Command to activate transparent background.

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

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

---

`\_gotham_color_set_transparent_block:`

Command to activate transparent block.

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

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

---

\\\_gotham\_color\_set\_fill\_block:

Command to activate fill block.

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

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

---

---

## \\\_gotham\_color\_set\_native\_block:

Command to activate native block.

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

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

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

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

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

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

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

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

```
837 \setbeamercolor{titlelike}{use=normal~text, parent=normal~text}
838 \setbeamercolor{author}{use=normal~text, parent=normal~text}
839 \setbeamercolor{date}{use=normal~text, parent=normal~text}
840 \setbeamercolor{institute}{use=normal~text, parent=normal~text}
841 \setbeamercolor{frametitle}{
842   use=palette~primary,
843   parent=palette~primary,
844   bg=colorFrametitle
845 }
846 % The Gotham inner or outer themes optionally display progress bars in various locations.
847 % Their color is set by |progress bar| but the two different kinds can be customized separat
848 % The horizontal rule on the title page is also set based on the progress bar color and can
849 \setbeamercolor{title~separator}{
850   use=progress~bar,
851   parent=progress~bar
852 }
853 \setbeamercolor{progress~bar~in~head/foot}{%
854   use=progress~bar,
855   parent=progress~bar
856 }
857 \setbeamercolor{progress~bar~in~part~page}{
858   use=progress~bar,
859   parent=progress~bar
860 }
861 \setbeamercolor{progress~bar~in~section~page}{
862   use=progress~bar,
863   parent=progress~bar
864 }
865 \setbeamercolor{progress~bar~in~splitvert}{
866   use=progress~bar,
867   parent=progress~bar
868 }
869 % \setbeamercolor{progress~bar~in~subsection~page}{
870 %   use=progress~bar,
871 %   parent=progress~bar
872 % }
873 % \setbeamercolor{progress~bar~in~subsubsection~page}{
874 %   use=progress~bar,
875 %   parent=progress~bar
876 % }
877 %
878 % Blocks
879 \setbeamercolor{block~body~alerted}{use=block~body, parent=block~body}
880 \setbeamercolor{block~body~example}{use=block~body, parent=block~body}
881 %
882 % Footnote
883 \setbeamercolor{footnote}{fg=normal~text.fg!90}
884 \setbeamercolor{footnote~mark}{fg=.}
885 %
886 % Bibliography
887 %
888 % We also reset the bibliography colors in order to pick up the surrounding colors at the ti
889 % This prevents us having to set the correct color in normal and standout mode.
```

```

890 % \setbeamercolor{bibliography entry author}{fg=, bg=}
891 % \setbeamercolor{bibliography entry title}{fg=, bg=}
892 % \setbeamercolor{bibliography entry location}{fg=, bg=}
893 % \setbeamercolor{bibliography entry note}{fg=, bg=}

```

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

**new\_color\_environments** Set up colors for the the new beamer environment used by the theme.  
*The following test files are used for this code: gotham-test-037.*

```

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

```

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

**color\_key\_interface** Controls the background mode (dark, light or transparent background) and the block (fill or transparent) and colorset (anthracite, red, blue, green, etc).

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

```

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

```

```

933 % colorset / blue .code:n = { },
934 % colorset / green .code:n = { },
935 % colorset / orange .code:n = { },
936 % colorset / teal .code:n = { },
937 colorset / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'\l_keys_value_tl'~is
938 }

```

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

`Default_color_keys` Apply default key options.

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

```

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

```

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

`Process_color_keys` Process package options.

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

```

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

```

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

```

943 %\endinput
944 </color>

```

```

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

```

INNER

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

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

Titlepage

Comptibility\_mode\_for\_colors

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

```
951 \@ifundefined{\string\color@colorProgBar}{
952   \providebool{darkBG} \boolfalse{darkBG}
953   \providebool{transparentBG} \booltrue{transparentBG}
954   \colorlet{colorBG}{white}
955   \colorlet{colorFG}{black}
956   \colorlet{colorFrametitle}{purple}
957   \colorlet{colorStandout}{purple}
958   \colorlet{colorStandin}{purple}
959   \colorlet{colorTitlepage}{purple}
960   \colorlet{colorFiligrane}{gray}
961   \colorlet{colorBackElement}{gray}
962   \colorlet{colorProgBar}{orange}
963   \colorlet{colorAlert}{red}
964   \colorlet{colorExample}{green}
965   \colorlet{colorFrametitle}{purple}
966   \colorlet{colorTitlepage}{purple}
967   \setbeamercolor{progress~bar}{
968     use=alerted~text,
969     fg=colorProgBar,
970     bg=alerted~text.fg!50!black!30
971   }
972   \setbeamercolor{progress~bar~in~head/foot}{%
973     use=progress~bar,
974     parent=progress~bar
975   }
976   \setbeamercolor{progress~bar~in~part~page}{
977     use=progress~bar,
978     parent=progress~bar
979   }
980   \setbeamercolor{progress~bar~in~section~page}{
981     use=progress~bar,
982     parent=progress~bar
983   }
984   \setbeamercolor{progress~bar~in~splitvert}{
985     use=progress~bar,
986     parent=progress~bar
987   }
988   \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
989   \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
990   \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
991   \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
992   \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
993   \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
994 }{
995 % else the colors are defined: this is fine.
996 }
```

*(End of definition for Comptibility 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.*

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

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

```
\defbeamertemplate{title~graphic}{gotham}
```

Definition of elements templates that will be used in titlepage.

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

```
1007 \defbeamertemplate*{title~graphic}{gotham}{
1008 % \vbox to Opt {% %%%% MODIFIED !
1009 \vbox{
1010 % \vspace*{2em} %%%% COMMENT ADDED !
1011 \inserttitlegraphic
1012 }
1013 \nointerlineskip
1014 }
1015 \defbeamertemplate*{title}{gotham}{
1016 %\raggedright% %%%% COMMENT ADDED !
1017 \linespread{1.0}
1018 \inserttitle
1019 \par
1020 \vspace*{0.5em}
1021 }
1022 \defbeamertemplate*{subtitle}{gotham}{
1023 %\raggedright% %%%% COMMENT ADDED !
1024 \insertsubtitle
1025 \par
1026 \vspace*{0.5em}
1027 }
1028 \defbeamertemplate*{author}{gotham}{
1029 \vspace*{1.em}
1030 \insertauthor
1031 \par
1032 \vspace*{0.25em}
1033 }
1034 \defbeamertemplate*{date}{gotham}{
1035 \insertdate
1036 \par
1037 }
1038 \defbeamertemplate*{institute}{gotham}{
1039 \vspace*{3mm}
1040 \insertinstitute
1041 \par
1042 }
```

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

```

\l__gotham_titleseparator_width_dim Define the new lengths that will be used for titlepage templates.
\l__gotham_titleseparator_height_dim 1043 \dim_new:N \l__gotham_titleseparator_width_dim
\l__gotham_title_width_dim 1044 \dim_set:Nn \l__gotham_titleseparator_width_dim {\textwidth}
\l__gotham_subtitle_width_dim 1045 \dim_new:N \l__gotham_titleseparator_height_dim
\l__gotham_title_max_width_dim 1046 \dim_set:Nn \l__gotham_titleseparator_height_dim {2pt}
1047 % \newlength{\titlewidth}
1048 % \newlength{\subtitlewidth}
1049 % \newlength{\maxwidth}
1050 \dim_new:N \l__gotham_title_width_dim
1051 \dim_new:N \l__gotham_subtitle_width_dim
1052 \dim_new:N \l__gotham_title_max_width_dim

```

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

```

\defbeamertemplate*{title-separator}{gotham} Define a new template for "line" displayed on some titlepage templates.
1053 \defbeamertemplate*{title-separator}{gotham}{
1054 \begin{tikzpicture}
1055 % \fill[fg] (0,0) rectangle (\gotham@titleseparator@linewidth, \gotham@titleseparator@lineheight)
1056 \fill[fg] (0,0) rectangle
1057 (\dim_use:N \l__gotham_titleseparator_width_dim,
1058 \dim_use:N \l__gotham_titleseparator_height_dim);
1059 \end{tikzpicture}
1060 \par
1061 }

```

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

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

```
1062 \providecommand{\gothamtitlepagelogo}{}

```

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

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

```
1063 \providecommand{\gothamtitlepagebg}{}

```

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

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

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

```

1064
1065 % Beamer's definition of |\insertauthor| is always nonempty, so we have to test another macro
1066 % This solution was suggested by Sam Carter in an answer to \href{https://tex.stackexchange.com/questions/123456/insertauthor-is-always-nonempty}{https://tex.stackexchange.com/questions/123456/insertauthor-is-always-nonempty}
1067
1068 \defbeamertemplate{title-page}{gotham-normal}{
1069 \ifx\insertframetitle\@empty\else\vspace*{-3em}\fi
1070 \begin{picture}(0,0)
1071 % The text: title, author, institute, etc.
1072 \put(-30,-125){\noindent

```

```

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

```

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

`\defbeamertemplate{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`.

```

1113 \defbeamertemplate{title~page}{gotham~reversed}{
1114 \begin{picture}(0,0)
1115 % The background picture
1116 \put(-28,-128){\gothamtitlepagebg}
1117
1118 % The text: title, author, institute, etc.
1119 \put(-4,-125){\noindent

```

```

1120 % \fcolorbox{declared-color-frame}{declared-color-background}{text}
1121 \ifbool{darkBG}{
1122 % Dark true
1123 \setbeamercolor{normal~text}{fg=colorFG, }
1124 \fcolorbox{colorPale}{colorPale}% reversed
1125 }{
1126 % Light
1127 \setbeamercolor{normal~text}{fg=colorBG, }
1128 \fcolorbox{colorTitlepage}{colorTitlepage}% reversed
1129 }% end if
1130 {
1131 % begin third argument of fcolorobx
1132 \fcolorbox{normal~text.fg}{normal~text.fg}{
1133 \begin{minipage}[b][\paperheight]{\textwidth}
1134 \centering
1135 \vfill
1136 \ifx\inserttitle\@empty\else\usebeamertemplate*{title}\fi
1137 \ifx\insertsubtitle\@empty\else\usebeamertemplate*{subtitle}\fi
1138 \usebeamertemplate*{title~separator}
1139 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1140 % empty author
1141 \vspace*{1.em}
1142 }{
1143 \usebeamertemplate*{author}
1144 }
1145 \ifx\insertdate\@empty\else\usebeamertemplate*{date}\fi
1146 \ifx\insertinstitute\@empty\else{\parbox{0.9\textwidth}{\raggedright\usebeamertemplate*
1147 \vfill
1148 \vbox{}
1149 \end{minipage}
1150 }
1151 % end third argument of fcolorobx
1152 }
1153
1154 % the institute logo on title page
1155 \put(234,-120){
1156 \gothamtitlepagelogo
1157 }
1158
1159 % the extra logos on title page (\inserttitlegraphic)
1160 \put(-27,-123){
1161 \noindent\vbox{
1162 \begin{minipage}[b][0.96\paperheight]{0.899\textwidth}
1163 \ifx\inserttitlegraphic\@empty\else\usebeamertemplate*{title~graphic}\fi
1164 \end{minipage}
1165 }
1166 }
1167 \end{picture}
1168 }

```

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

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

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

```

1169 \defbeamer-template{title-page}{gotham-dividedpic}{
1170 \long\def\tmpEmpty{
1171 \def\titlecontent{\usebeamerfont{title}\usebeamercolor[fg]{title}\inserttitle}
1172 \def\subtitlecontent{\usebeamerfont{subtitle}\usebeamercolor[fg]{subtitle}\insertsubtitle}
1173 \settowidth\l__gotham_title_width_dim\titlecontent
1174 \settowidth\l__gotham_subtitle_width_dim\subtitlecontent
1175 \setlength\l__gotham_title_max_width_dim{\ifdim\l__gotham_title_width_dim>\l__gotham_subtit
1176 % \thispagestyle{navigation@titlepage}
1177 \begin{minipage}{.55\textwidth}
1178 \raggedright
1179 \titlecontent\\
1180 \subtitlecontent\\
1181 % \textcolor{accent}{\rule{\ifdim\l__gotham_title_max_width_dim<.55\textwidth\l__gotham_t
1182 \textcolor{colorProgBar}{\rule{\ifdim\l__gotham_title_max_width_dim<.55\textwidth\l__gotha
1183 \usebeamerfont{author}\usebeamercolor[fg]{author}
1184 \insertauthor\\
1185 % \ifx\insertauthor\empty\else
1186 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1187 % empty author
1188 \vspace*{1.em}
1189 }{
1190 \usebeamerfont{author}\usebeamercolor[fg]{author}
1191 \insertshortauthor
1192 \vspace{2em}
1193 }
1194 % \fi
1195 \ifx\insertinstitute\@empty\else{
1196 \usebeamerfont{institute}\usebeamerfont{institute}\vspace{2em}
1197 }\fi
1198 \insertdate
1199 \end{minipage}
1200
1201 % \ifdefined\@background
1202 \begin{tikzpicture}[remember=picture, overlay]
1203 \clip (current-page.south-east)
1204 -- (current-page.north-east)
1205 -- ++(-5.1, 0)
1206 -- ++(-3, -\paperheight)
1207 -- cycle;
1208
1209 \ifx\gothamtitlepagebg\tmpEmpty
1210 \fill[
1211 % path-fading=title-page-picture-fading,
1212 % left-color=\ifbool{darkBG}{colorDark!200}{colorPale!100},
1213 right-color=colorTitlepage!100,%\ifbool{darkBG}{colorPale!100}{colorDark!100},
1214 % fading-angle=-15,
1215 ]
1216 (current-page.south-east)
1217 rectangle
1218 ++(\dimexpr-0.55\paperwidth, \dimexpr\paperheight+1cm);
1219 \else
1220 \node[
1221 anchor=south-east,

```

```

1222     inner~sep=0,
1223     outer~sep=0
1224 ] at (current~page.south~east) {
1225     % \includegraphics[height=\paperheight]{\@background}
1226     \gothamtitlepagebg
1227 };
1228 \fi
1229 \end{tikzpicture}
1230 }

```

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

`eamertemplate{title~page}{gotham~splitvert}`

This title page template is inspired from <https://github.com/pcafrica/focus-beamertheme>  
The following test files are used for this code: `gotham-test-038`.

```

1231 \defbeamertemplate{title~page}{gotham~splitvert}{
1232 % \IfEmpty{\insertframetitle}{
1233 \ifx\beamer@frametitle\@empty
1234 \vspace*{-0.5\paperheight}
1235 \else %}{
1236 \vspace*{-0.63\paperheight}
1237 \fi %}
1238 {
1239 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}%
1240 \begin{tikzpicture}[overlay, remember~picture]
1241 \fill[color=gotham@tempColor] (current~page.north~west) rectangle ([shift = {(0, -0.45\p
1242 \end{tikzpicture}
1243 }
1244
1245 % \vspace*{-1.65\baselineskip}
1246 \begin{minipage}[b] [0.35\paperheight]{\textwidth}
1247 % \vspace{\baselineskip}
1248 \usebeamerfont{title}
1249 \usebeamercolor[fg]{frametitle}
1250 \inserttitle
1251 \end{minipage}
1252
1253 \newline
1254 \begin{minipage}[t] [0.1\paperheight]{\textwidth}
1255 \usebeamerfont{subtitle}
1256 \usebeamercolor[fg]{frametitle}
1257 \insertsubtitle
1258 \end{minipage}
1259
1260 % Set the title graphic in a zero-height box, so that
1261 % the position of other elements is not affected.
1262 \ifx\inserttitlegraphic\@empty\else
1263 \newline
1264 \vspace*{-1.65\baselineskip}
1265 % {\vfuzz=9999pt\vbox~to~0pt {
1266 {\parbox[c] [0pt] [c]{\textwidth}{
1267 \raggedleft
1268 \inserttitlegraphic
1269 % \usebeamertemplate*{title~graphic}

```

```

1270 }}
1271 \fi
1272
1273 % \ifx\insertauthor\empty\else
1274 \expandafter\ifblank\expandafter{\beamer@andstripped}{
1275   % empty author
1276   \vspace*{1.em}
1277 }{
1278   \newline
1279   \begin{minipage}[t]{\textwidth}
1280     % \usebeamerfont{normal-text}
1281     % \usebeamerfont{author}
1282     % \insertauthor
1283     \vspace*{-1.5\baselineskip}
1284     \usebeamertemplate*{author}
1285   \end{minipage}
1286 }
1287 % \fi
1288
1289 \ifx\insertinstitute\@empty\else
1290   \newline
1291   \vspace*{-1.65\baselineskip}
1292   \begin{minipage}[t]{\textwidth}
1293     % \usebeamerfont{institute}
1294     % \insertinstitute
1295     \usebeamertemplate*{institute}
1296   \end{minipage}
1297 \fi
1298
1299 \ifx\insertdate\@empty\else
1300   \newline
1301   \begin{minipage}[t]{\textwidth}
1302     \vspace*{2.65\baselineskip}
1303     % \usebeamerfont{date}
1304     % \insertdate
1305     \usebeamertemplate*{date}
1306   \end{minipage}
1307   \vspace*{-3.15\baselineskip}
1308 \fi
1309 }

```

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

---

`\_gotham_set_template:nn` #1 : element name (from beamer doc) in other word, the name the template category  
 #2 : predefined option (from beamer doc)  
 Function to set a beamertemplate with an option if it exists, otherwise an error is raised. Unfortunately, (as far as I know) it not possible to test if the element name exists independently from the predefined option.

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

```

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

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

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

```

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

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

Backgrounds

```

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

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

```

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

*(End of definition for \l\_gotham\_template\_name\_prop.)*



```

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

```

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

```

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.
1351 \defbeamertemplate{background}{watermark/gotham-draft}{
1352     \begin{tikzpicture}[overlay,remember~picture]
1353     \node[color=red, opacity=0.3, scale=5, rotate=45] at ([shift={(0,0)}]current~page.center)
1354     \end{tikzpicture}
1355 }
1356 % Add the template to the prop (dictionary)
1357 \prop_put:Nnn \l__gotham_template_name_prop {background/watermark} {gotham-draft}

```

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

---

---

**`\__gotham_add_beamerframe_key:n`**

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

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

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

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

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

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

```
1382
1383 \newenvironment{noBGEnv}{
1384   \setbeamertemplate{background~canvas}[empty]
1385 }{}
1386 \__gotham_add_beamerframe_key:n {noBCG}
```

*(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.*

```
1387 \bool_new:N \l_gotham_defaultWatermark
1388 \bool_set_false:N \l_gotham_defaultWatermark
1389 % At every new frame, reset the options to default (unless some options/keys are given)
1390 \BeforeBeginEnvironment{frame}{
```

```

1391 \bool_if:NTF \l_gotham_defaultWatermark {
1392   \setbeamertemplate{background}[watermark/\prop_item:Nn \l__gotham_template_name_prop {back
1393 }{% false
1394   \setbeamertemplate{background}[empty]
1395 }
1396 }

```

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

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

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

```

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

```

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

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

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

```

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

```

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

```

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

```

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

---

### `\__gotham_set_prop_template:nn`

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

Function that store in a map the name a template use later. The following naming convention is used: Template/What/Who Name: watermark/gotham draft. The means for example that if a beamer template is defined using `\defbeamertemplate{background}{watermark/gotham}` then the function has to be call using `\__gotham_set_prop_template{background/watermark}{gotham}` that will filled internally the map using the `\l3` command `\prop_put:Nnn \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.*

```

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

`inner_key_{}_interface` Controls the inner settings for background and watermark).

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

```

1454 \keys_define:nn { gotham / inner }{
1455 % watermark template
1456 watermark-template .usage:n = { general },
1457 watermark-template .default:n = { gotham-draft },
1458 watermark-template .code:n = { \__gotham_set_prop_template:nn{background/watermark}{#1} },
1459 }
```

```

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

```

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

Stand IN/OUT

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

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

```

1476 \define@key{beamerframe}{c}[true]{
1477   \beamer@frametopskip=0pt~plus~1fill\relax
1478   \beamer@framebottomskip=0pt~plus~1fill\relax
1479   \beamer@frametopskipautobreak=0pt~plus~.4\paperheight\relax
1480   \beamer@framebottomskipautobreak=0pt~plus~.6\paperheight\relax
1481   \def\beamer@initfirstlineunskip{}
1482 }

```

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

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

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

```

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

```

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

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

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

```

1494 \defbeamertemplate*{standout}{gotham}{%
1495 %
1496 % \setkeys{beamerframe}{c}
1497 % \setkeys{beamerframe}{noframenumbering}
1498 % \centering
1499
1500 \setbeamertemplate{background~canvas}[standout/\prop_item:Nn \l__gotham_template_name_prop
1501 % \usebeamertemplate{background~canvas}%[standout/gotham]
1502 \usebeamerfont{standout}
1503 % if the background color is switched, then change foreground (font) color.
1504 \ifbeamercoloreempty[bg]{palette~primary}{
1505 %true : empty background (transparent)
1506 \setbeamercolor{background~canvas}{
1507 use=palette~primary,
1508 bg=palette~primary.fg
1509 }
1510 }{
1511 %false : background not empty (dark or light)
1512 \setbeamercolor{background~canvas}{
1513 use=palette~primary,
1514 bg=palette~primary.bg
1515 }
1516 }
1517 \setbeamercolor{local~structure}{
1518 fg=palette~primary.bg
1519 }
1520 \usebeamercolor[fg]{palette~primary}
1521 }

```

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

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

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

```

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

```

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

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

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

```

1526 \defbeamertemplate{background~canvas}{standin/gotham}{
1527 \ifbeamercoloreempty[bg]{standin}{
1528 % if the background standin color is transparent, do nothing.
1529 }{
1530 % Uncomment this if-condition to have a 'light' background in 'transparent' color-mode.

```

```

1531 \ifbool{transparentBG}{
1532   % \color{} is not possible so, it is better to do nothing for transparent bg than creatin
1533 }{
1534   \usebeamercolor[bg]{standin}\color{bg}
1535   \vrule~width\paperwidth~height\paperheight
1536 }
1537 }
1538 }
1539 % Add the template to the prop (dictionary) of background template to use according to the s
1540 \prop_put:Nnn \l__gotham_template_name_prop {background~canvas/standin} {gotham}

```

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

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

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

```

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

```

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

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

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

```

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

```

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

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

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

```

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

```

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

Sections

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

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

```

1590 \bool_new:N \l_gotham_partframe
1591 \bool_set_false:N \l_gotham_partframe
1592 \define@key{beamerframe}{part}[true]{
1593 \bool_set_true:N \l_gotham_partframe
1594 \begingroup
1595 \usebeamertemplate{part~frame}
1596 }
1597 \apptocmd{\beamer@reseteecodes}{
1598 \bool_if:NTF \l_gotham_partframe {
1599 \endgroup
1600 \bool_set_false:N \l_gotham_partframe
1601 }{}
1602 }{}{}
1603 % \define@key{beamerframe}{part}[true]{
1604 % \thispagestyle{navigation@part}
1605 % }
1606 % \def\ps@navigation@part{
1607 % \usebeamertemplate{part~frame}
1608 % \@nameuse{ps@navigation}
1609 % }

```

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



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

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

```

1610 \bool_new:N \l_gotham_sectionframe
1611 \bool_set_false:N \l_gotham_sectionframe
1612 \define@key{beamerframe}{section}[true]{
1613   \bool_set_true:N \l_gotham_sectionframe
1614   \begingroup
1615     \usebeamertemplate{section~frame}
1616   }
1617 \apptocmd{\beamer@reseteecodes}{
1618   \bool_if:NTF \l_gotham_sectionframe {
1619     \endgroup
1620     \bool_set_false:N \l_gotham_sectionframe
1621   }{}
1622 }{}{}
1623 % \define@key{beamerframe}{section}[true]{
1624 %   \thispagestyle{navigation@section}
1625 % }
1626 % \def\ps@navigation@section{
1627 %   \usebeamertemplate{section~frame}
1628 %   \@nameuse{ps@navigation}
1629 % }

```

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

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

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

```

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

```

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

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

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

```

1650 \bool_new:N \l_gotham_subsubsectionframe
1651 \bool_set_false:N \l_gotham_subsubsectionframe
1652 \define@key{beamerframe}{subsubsec}[true]{
1653   \bool_set_true:N \l_gotham_subsubsectionframe
1654   \begingroup
1655     \usebeamertemplate{subsubsection~frame}
1656   }
1657 \apptocmd{\beamer@reseteecodes}{
1658   \bool_if:NTF \l_gotham_subsubsectionframe {
1659     \endgroup
1660     \bool_set_false:N \l_gotham_subsubsectionframe
1661   }{}
1662 }{}{}
1663 % \define@key{beamerframe}{subsubsec}[true]{
1664 %   \thispagestyle{navigation@subsubsec}
1665 % }
1666 % \def\ps@navigation@subsubsec{
1667 %   \usebeamertemplate{subsubsection~frame}
1668 %   \@nameuse{ps@navigation}
1669 % }

```

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

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

```

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

```

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

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

```

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

```

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

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

```

1677 \providebool{subsectionContent}
1678 \booltrue{subsectionContent}
1679 \providecommand{\subsecContentName}{Subsection~content}
1680 % Subsubsection is not useful (at least up to understanding of the moment) because we do not

```

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

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

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

```

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

```

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

---

`\__gotham_inner_disable_partpage:`  
`\__gotham_inner_enable_partpage:`

---

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

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

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

---

`\__gotham_inner_disable_sectionpage:`  
`\__gotham_inner_enable_sectionpage:`

---

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

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

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

---

`\_gotham_inner_disable_subsectionpage:`  
`\_gotham_inner_enable_subsectionpage:`

---

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

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

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

---

```

\__gotham_inner_disable_subsubsectionpage:
\__gotham_inner_enable_subsubsectionpage:

```

---

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

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

```

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

```

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

```

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

```

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

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

`\beamertemplate{progress-bar-in-section-page}{display}` *The following test files are used for this code: gotham-test-041.*

```

1824 \defbeamertemplate{progress-bar-in-section-page}{empty}{
1825   \vspace{\gotham@progressonsectionpage@linewidth+1ex}
1826 }
1827
1828 \def\inserttotalframenuber{100}
1829 \defbeamertemplate{progress-bar-in-section-page}{display}{
1830   \setlength{\gotham@progressonsectionpage}{
1831     \textwidth * \ratio{\insertframenuber~pt}{\inserttotalframenuber~pt}
1832   }
1833   \begin{tikzpicture}
1834     \fill[bg] (0,0) rectangle (\textwidth, \gotham@progressonsectionpage@linewidth);
1835     \fill[fg] (0,0) rectangle (\gotham@progressonsectionpage, \gotham@progressonsectionpage@linewidth);
1836   \end{tikzpicture}
1837 }

```

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

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

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

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

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

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

```
1840 \defbeamertemplate{part~page}{progressbar/simple}{
1841   %\frametitle{toto section}
1842   \centering
1843   \hspace*{\sectionoffset}
1844   \begin{minipage}{22em}
1845     % \raggedright
1846     \centering
1847     \usebeamertemplate*{part~title}\[-1ex]
1848     \usebeamertemplate*{progress~bar~in~section~page}
1849     \par
1850   \end{minipage}
1851   \par
1852   \vspace{\baselineskip}
1853 }
1854 \defbeamertemplate{section~page}{progressbar/simple}{
1855   %\frametitle{toto section}
1856   \centering
1857   \hspace*{\sectionoffset}
1858   \begin{minipage}{22em}
1859     \raggedright
1860     \usebeamertemplate*{section~title}\[-1ex]
1861     \usebeamertemplate*{progress~bar~in~section~page}
1862     \par
1863   \end{minipage}
1864   \par
1865   \vspace{\baselineskip}
1866 }
1867 \defbeamertemplate{subsection~page}{progressbar/simple}{
1868   %\frametitle{toto section}
1869   \centering
1870   \hspace*{\sectionoffset}
1871   \begin{minipage}{22em}
1872     \raggedright
1873     \usebeamertemplate*{section~title}\[-1ex]
1874     \usebeamertemplate*{progress~bar~in~section~page}
1875     \par
1876     \usebeamertemplate*{subsection~title}
1877   \end{minipage}
1878   \par
1879   \vspace{\baselineskip}
1880 }
1881 \defbeamertemplate{subsubsection~page}{progressbar/simple}{
1882   %\frametitle{toto section}
1883   \centering
```



```

1884 \hspace*{\sectionoffset}
1885 \begin{minipage}{22em}
1886 \raggedright
1887 \usebeamertemplate*{section~title}\[-1ex]
1888 \usebeamertemplate*{progress~bar~in~section~page}
1889 \par
1890 \usebeamertemplate*{subsection~title}
1891 \par
1892 \usebeamertemplate*{subsubsection~title}
1893 \end{minipage}
1894 \par
1895 \vspace{\baselineskip}
1896 }

```

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

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

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

```

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

```

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

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

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

```

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

```

```

1926 \setbeamercolor{frametitle}{
1927   use={frametitleSection, normal~text},
1928   bg=frametitleSection.fg,
1929   fg=normal~text.fg
1930 }
1931 \setbeamertemplate{progress~bar~in~section~page}[empty]
1932 \setbeamertemplate{section~page}[progressbar/simple]
1933   % \usebeamertemplate*{section~page}% activated automatically
1934 }
1935
1936 \defbeamertemplate{subsection~frame}{gotham~simple}{
1937   \setbeamertemplate{background~canvas}[subsection/gotham]
1938   \setbeamercolor{frametitle}{
1939     use={frametitleSection, normal~text},
1940     bg=frametitleSection.fg,
1941     fg=normal~text.fg
1942   }
1943   \setbeamertemplate{progress~bar~in~section~page}[empty]
1944   \setbeamertemplate{subsection~page}[progressbar/simple]
1945     % \usebeamertemplate*{subsection~page}% activated automatically
1946 }
1947
1948 \defbeamertemplate{subsubsection~frame}{gotham~simple}{
1949   \setbeamertemplate{background~canvas}[subsubsection/gotham]
1950   \setbeamercolor{frametitle}{
1951     use={frametitleSection, normal~text},
1952     bg=frametitleSection.fg,
1953     fg=normal~text.fg
1954   }
1955   \setbeamertemplate{progress~bar~in~section~page}[empty]
1956   \setbeamertemplate{subsubsection~page}[progressbar/simple]
1957     % \usebeamertemplate*{subsubsection~page}% activated automatically
1958 }

```

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

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

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

```

1959 \defbeamertemplate{part~frame}{gotham~progressbar}{
1960   \setbeamertemplate{background~canvas}[part/gotham]
1961   \setbeamercolor{frametitle}{
1962     use={frametitleSection, normal~text},
1963     bg=frametitleSection.fg,
1964     fg=normal~text.fg
1965   }
1966   \setbeamertemplate{progress~bar~in~section~page}[display]
1967   \setbeamertemplate{part~page}[progressbar/simple]
1968     % \usebeamertemplate*{part~page}% activated automatically
1969 }
1970
1971 \defbeamertemplate{section~frame}{gotham~progressbar}{
1972   \setbeamertemplate{background~canvas}[section/gotham]

```

```

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

```

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

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

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

```

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

```

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

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*.

```

2020 % Part page splitvert.
2021 \defbeamertemplate{part-page}{gotham~splitvert~progressbar/simple}{
2022 % \frametitle{part!}
2023 % \IfEmpty{\insertframetitle}{
2024 \ifx\beamer@frametitle\@empty
2025 \vspace*{-0.05\paperheight}
2026 \else %}{
2027 \vspace*{-0.165\paperheight}
2028 \fi %}
2029 {
2030 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2031 \begin{tikzpicture}[overlay, remember~picture]
2032 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2033 \end{tikzpicture}
2034 }
2035
2036 % \hspace*{\sectionoffset}
2037 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2038 \centering
2039 \usebeamertemplate*{part~title}
2040 \end{minipage}
2041 \l[-0.1\baselineskip]
2042 \hspace*{-1.0cm}\noindent
2043 \usebeamertemplate*{progress~bar~in~splitvert}
2044
2045 \newline
2046 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2047 % \vspace{0.5\baselineskip}
2048 % \usebeamerfont{subsection~tttitle}
2049 % \usebeamercolor[bg]{frametitle}
2050 % empty
2051 \end{minipage}
2052 }
2053 \defbeamertemplate{part-frame}{gotham~splitvert~progressbar}{
2054 \setbeamertemplate{background~canvas}[part/gotham]
2055 % \setbeamercolor{frametitle}{}
2056 % \setlength{\sectionoffset}{1cm}
2057 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}
2058 \setbeamertemplate{progress~bar~in~splitvert}[display]
2059 \setbeamertemplate{part-page}[gotham~splitvert~progressbar/simple]
2060 % \usebeamertemplate*{part-page}% activated automatically
2061 }
2062 \defbeamertemplate{part-frame}{gotham~splitvert~simple}{
2063 \setbeamertemplate{background~canvas}[part/gotham]
2064 % \setbeamercolor{frametitle}{}
2065 % \setlength{\sectionoffset}{1cm}
2066 \setbeamercolor{part~title}{use=frametitle, fg=frametitle.fg}

```

```

2067 \setbeamertemplate{progress-bar-in-splitvert}[empty]
2068 \setbeamertemplate{part-page}[gotham-splitvert-progressbar/simple]
2069 % \usebeamertemplate*{part-page}% activated automatically
2070 }
2071
2072 % Section page splitvert.
2073 \defbeamertemplate{section-page}{gotham-splitvert-progressbar/simple}{
2074 % \frametitle{section!}
2075 % \IfEmpty{\insertframetitle}{
2076 \ifx\beamer@frametitle\@empty
2077 \vspace*{-0.05\paperheight}
2078 \else %}{
2079 \vspace*{-0.165\paperheight}
2080 \fi %}
2081 {
2082 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2083 \begin{tikzpicture}[overlay, remember=picture]
2084 \fill[color=gotham@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2085 \end{tikzpicture}
2086 }
2087
2088 \hspace*{\sectionoffset}
2089 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2090 \usebeamertemplate*{section~title}
2091 \end{minipage}
2092 \[-0.1\baselineskip]
2093 \hspace*{-1.0cm}\noindent
2094 \usebeamertemplate*{progress-bar-in-splitvert}
2095
2096 \newline
2097 \hspace*{\sectionoffset}
2098 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2099 % \vspace{0.5\baselineskip}
2100 \usebeamerfont{subsection~title}
2101 \usebeamercolor[bg]{frametitle}
2102 % empty
2103 \end{minipage}
2104 }
2105 \defbeamertemplate{section~frame}{gotham-splitvert-progressbar}{
2106 \setbeamertemplate{background~canvas}[section/gotham]
2107 % \setbeamercolor{frametitle}{}
2108 \setlength{\sectionoffset}{1cm}
2109 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2110 \setbeamertemplate{progress-bar-in-splitvert}[display]
2111 \setbeamertemplate{section-page}[gotham-splitvert-progressbar/simple]
2112 % \usebeamertemplate*{section-page}% activated automatically
2113 }
2114 \defbeamertemplate{section~frame}{gotham-splitvert~simple}{
2115 \setbeamertemplate{background~canvas}[section/gotham]
2116 % \setbeamercolor{frametitle}{}
2117 \setlength{\sectionoffset}{1cm}
2118 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2119 \setbeamertemplate{progress-bar-in-splitvert}[empty]
2120 \setbeamertemplate{section-page}[gotham-splitvert-progressbar/simple]

```

```

2121 % \usebeamertemplate*{section~page}% activated automatically
2122 }
2123
2124 % Subsection page splitvert.
2125 \defbeamertemplate{subsection~page}{gotham~splitvert~progressbar/simple}{
2126 % \frametitle{subsection!}
2127 % \IfEmpty{\insertframetitle}{
2128 \ifx\beamer@frametitle\@empty
2129 \vspace*{-0.05\paperheight}
2130 \else %}{
2131 \vspace*{-0.165\paperheight}
2132 \fi %}
2133 {
2134 \usebeamercolor{frametitle}\colorlet{gotham@tempColor}{bg}
2135 \begin{tikzpicture}[overlay, remember~picture]
2136 \fill[color=gotham@tempColor] (current~page.north~west) rectangle ([shift = {(0, -0.45\p
2137 \end{tikzpicture}
2138 }
2139
2140 \hspace*{\sectionoffset}
2141 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2142 \usebeamertemplate*{section~title}
2143 \end{minipage}
2144 \ll[-0.1\baselineskip]
2145 \hspace*{-1.0cm}\noindent
2146 \usebeamertemplate*{progress~bar~in~splitvert}
2147
2148 \newline
2149 \hspace*{\sectionoffset}
2150 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2151 % \vspace{0.5\baselineskip}
2152 \usebeamerfont{subsection~title}
2153 \usebeamercolor[bg]{frametitle}
2154 \usebeamertemplate*{subsection~title}
2155 % \par
2156 % \vspace{1em}%phantom subsection
2157 \end{minipage}
2158 }
2159 \defbeamertemplate{subsection~frame}{gotham~splitvert~progressbar}{
2160 \setbeamertemplate{background~canvas}[subsection/gotham]
2161 % \setbeamercolor{frametitle}{}
2162 \setlength{\sectionoffset}{1cm}
2163 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2164 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2165 \setbeamertemplate{progress~bar~in~splitvert}[display]
2166 \setbeamertemplate{subsection~page}[gotham~splitvert~progressbar/simple]
2167 % \usebeamertemplate*{subsection~page}% activated automatically
2168 }
2169 \defbeamertemplate{subsection~frame}{gotham~splitvert~simple}{
2170 \setbeamertemplate{background~canvas}[subsection/gotham]
2171 % \setbeamercolor{frametitle}{}
2172 \setlength{\sectionoffset}{1cm}
2173 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2174 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}

```

```

2175 \setbeamertemplate{progress-bar-in-splitvert}[empty]
2176 \setbeamertemplate{subsection-page}[gotham-splitvert-progressbar/simple]
2177 % \usebeamertemplate*{subsection-page}% activated automatically
2178 }
2179
2180 % Subsubsection page splitvert.
2181 \defbeamertemplate{subsubsection-page}{gotham-splitvert-progressbar/simple}{
2182 % \frametitle{subsubsection!}
2183 % \IfEmpty{\insertframetitle}{
2184 \ifx\beamer@frametitle\@empty
2185 \vspace*{-0.05\paperheight}
2186 \else %}{
2187 \vspace*{-0.165\paperheight}
2188 \fi %}
2189 {
2190 \usebeamerfont{frametitle}\colorlet{gotham@@tempColor}{bg}
2191 \begin{tikzpicture}[overlay, remember=picture]
2192 \fill[color=gotham@@tempColor] (current-page.north-west) rectangle ([shift = {(0, -0.45\p
2193 \end{tikzpicture}
2194 }
2195
2196 \hspace*{\sectionoffset}
2197 \begin{minipage}[b] [0.45\paperheight]{\textwidth}
2198 \usebeamertemplate*{section~title}
2199 \end{minipage}
2200 \[-0.1\baselineskip]
2201 \hspace*{-1.0cm}\noindent
2202 \usebeamertemplate*{progress-bar-in-splitvert}
2203
2204 \newline
2205 \hspace*{\sectionoffset}
2206 \begin{minipage}[t] [0.5\paperheight]{\textwidth}
2207 % \vspace{0.5\baselineskip}
2208 \usebeamerfont{subsubsection~title}
2209 \usebeamerfont{frametitle}
2210 \usebeamertemplate*{subsection~title}
2211 \par
2212 \usebeamertemplate*{subsubsection~title}
2213 \end{minipage}
2214 }
2215 \defbeamertemplate{subsubsection-frame}{gotham-splitvert-progressbar}{
2216 \setbeamertemplate{background-canvas}[subsubsection/gotham]
2217 % \setbeamerfont{frametitle}{}
2218 \setlength{\sectionoffset}{1cm}
2219 \setbeamerfont{section~title}{use=frametitle, fg=frametitle.fg}
2220 \setbeamerfont{subsection~title}{use=frametitle, fg=frametitle.bg}
2221 \setbeamerfont{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2222 \setbeamertemplate{progress-bar-in-splitvert}[display]
2223 \setbeamertemplate{subsubsection-page}[gotham-splitvert-progressbar/simple]
2224 % \usebeamertemplate*{subsubsection-page}% activated automatically
2225 }
2226 \defbeamertemplate{subsubsection-frame}{gotham-splitvert-simple}{
2227 \setbeamertemplate{background-canvas}[subsubsection/gotham]
2228 % \setbeamerfont{frametitle}{}

```

```

2229 \setlength{\sectionoffset}{1cm}
2230 \setbeamercolor{section~title}{use=frametitle, fg=frametitle.fg}
2231 \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2232 \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2233 \setbeamertemplate{progress~bar~in~splitvert}[empty]
2234 \setbeamertemplate{subsubsection~page}[gotham~splitvert~progressbar/simple]
2235 % \usebeamertemplate*{subsubsection~page}% activated automatically
2236 }

```

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

on|subsubsection\_u|page}{gotham\_u|progressvert}  
n|subsubsection\_u|frame}{gotham\_u|progressvert}

Templates for part |section |subsection |subsubsection pages for 'gotham progressvert'.  
The following test files are used for this code: *gotham-test-041*.

```

2237
2238 % Part page progressvert.
2239 \defbeamertemplate{part~page}{gotham~progressvert}{
2240 % \frametitle{part!}
2241 % \IfEmpty{\insertframetitle}{
2242 \ifx\beamer@frametitle\@empty
2243 \vspace*{-0.05\paperheight}
2244 \else %}{
2245 \vspace*{-0.165\paperheight}
2246 \fi %}
2247 \setlength{\gotham@progressonsectionpage}{
2248 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2249 }
2250 {
2251 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2252 \colorlet{gotham@@tempColorB}{fg}
2253 \begin{tikzpicture}[overlay, remember=picture]
2254 \fill[color=gotham@@tempColor]
2255 ([shift={(0,0)}] current~page.north~west) --
2256 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2257 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2258 ([shift={(0,0)}] current~page.north~east)
2259 --cycle;
2260 \node[color=gotham@@tempColorB, align=left, text-width=0.8\textwidth] at ([shift={(\secti
2261 {\usebeamerfont{part~title}
2262 \partname \ \insertromanpartnumber
2263 \\\[1.75ex]
2264 \insertpart
2265 }
2266 };
2267
2268 \clip
2269 ([shift={(0,0)}] current~page.south~west) --
2270 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2271 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2272 ([shift={(0,0)}] current~page.south~east)
2273 --cycle;
2274

```



```

2275 \fill[color=gotham@@tempColorB]
2276 ([shift={(0,0)}]current~page.south~west) --
2277 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2278 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2279 ([shift={(0,0)}] current~page.south~east)
2280 --cycle;
2281 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2282 {\usebeamerfont{part~title}
2283 \partname \ \insertromanpartnumber
2284 \\
2285 \insertpart
2286 }
2287 });
2288 \end{tikzpicture}
2289 }
2290 }
2291 \defbeamertemplate{part~frame}{gotham~progressvert}{
2292 \setbeamertemplate{background~canvas}[part/gotham]
2293 % \setbeamercolor{frametitle}{}
2294 \setlength{\sectionoffset}{1cm}
2295 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2296 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2297 % \setbeamercolor{part~title}{use=frametitle, fg=frametitle.bg}
2298 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2299 \setbeamertemplate{part~page}[gotham~progressvert]
2300 % \usebeamertemplate*{section~page}% activated automatically
2301 }
2302
2303 % Section page progressvert.
2304 \defbeamertemplate{section~page}{gotham~progressvert}{
2305 % \frametitle{section!}
2306 % \IfEmpty{\insertframetitle}{
2307 \ifx\beamer@frametitle\@empty
2308 \vspace*{-0.05\paperheight}
2309 \else %}{
2310 \vspace*{-0.165\paperheight}
2311 \fi %}
2312 \setlength{\gotham@progressonsectionpage}{
2313 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2314 }
2315 {
2316 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2317 \colorlet{gotham@@tempColorB}{fg}
2318 \begin{tikzpicture}[overlay, remember~picture]
2319 \fill[color=gotham@@tempColor]
2320 ([shift={(0,0)}] current~page.north~west) --
2321 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2322 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2323 ([shift={(0,0)}] current~page.north~east)
2324 --cycle;
2325 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\section
2326 {\usebeamerfont{section~title}
2327 \insertsectionnumber.~
2328 \insertsectionhead}

```

```

2329 };
2330
2331 \clip
2332   ([shift={(0,0)}] current-page.south-west) --
2333   ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-west) --
2334   ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-east) --
2335   ([shift={(0,0)}] current-page.south-east)
2336   --cycle;
2337
2338 \fill[color=gotham@@tempColorB]
2339   ([shift={(0,0)}] current-page.south-west) --
2340   ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-west) --
2341   ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south-east) --
2342   ([shift={(0,0)}] current-page.south-east)
2343   --cycle;
2344 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\section
2345   {\usebeamerfont{section~title}
2346   \insertsectionnumber.~
2347   \insertsectionhead}
2348   });
2349 \end{tikzpicture}
2350 }
2351 }
2352 \defbeamertemplate{section~frame}{gotham~progressvert}{
2353 \setbeamertemplate{background~canvas}[section/gotham]
2354 % \setbeamercolor{frametitle}{}
2355 \setlength{\sectionhoffset}{1cm}
2356 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2357 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2358 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2359 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2360 \setbeamertemplate{section~page}[gotham~progressvert]
2361 % \usebeamertemplate*{section~page}% activated automatically
2362 }
2363
2364 % Subection page progressvert.
2365 \defbeamertemplate{subsection~page}{gotham~progressvert}{
2366 % \frametitle{subsection!}
2367 % \IfEmpty{\insertframetitle}{
2368 \ifx\beamer@frametitle\@empty
2369 \vspace*{-0.05\paperheight}
2370 \else %}{
2371 \vspace*{-0.165\paperheight}
2372 \fi %}
2373 \setlength{\gotham@progressonsectionpage}{
2374 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2375 }
2376 {
2377 \usebeamercolor{frametitle}\colorlet{gotham@@tempColor}{bg}
2378 \colorlet{gotham@@tempColorB}{fg}
2379 \begin{tikzpicture}[overlay, remember~picture]
2380 \fill[color=gotham@@tempColor]
2381   ([shift={(0,0)}] current-page.north-west) --
2382   ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north-west) --

```

```

2383 ([shift={ (0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2384 ([shift={ (0,0)}] current~page.north~east)
2385 --cycle;
2386 \node[color=gotham@@tempColorB, align=left, text~width=0.8\textwidth] at ([shift={(\sectio
2387 {\usebeamerfont{section~title}
2388 \insertsectionnumber.~
2389 \insertsectionhead}
2390 \\
2391 {\usebeamerfont{subsection~title}
2392 \insertsectionnumber.\insertsubsectionnumber.~
2393 \insertsubsectionhead}
2394 };
2395
2396 \clip
2397 ([shift={ (0,0)}] current~page.south~west) --
2398 ([shift={ (0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2399 ([shift={ (0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2400 ([shift={ (0,0)}] current~page.south~east)
2401 --cycle;
2402
2403 \fill[color=gotham@@tempColorB]
2404 ([shift={ (0,0)}] current~page.south~west) --
2405 ([shift={ (0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2406 ([shift={ (0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2407 ([shift={ (0,0)}] current~page.south~east)
2408 --cycle;
2409 \node[color=gotham@@tempColor, align=left, text~width=0.8\textwidth] at ([shift={(\sectio
2410 {\usebeamerfont{section~title}
2411 \insertsectionnumber.~
2412 \insertsectionhead}
2413 \\
2414 {\usebeamerfont{subsection~title}
2415 \insertsectionnumber.\insertsubsectionnumber.~
2416 \insertsubsectionhead}
2417 };
2418 \end{tikzpicture}
2419 }
2420 }
2421 \defbeamertemplate{subsection~frame}{gotham~progressvert}{
2422 \setbeamertemplate{background~canvas}[subsection/gotham]
2423 % \setbeamercolor{frametitle}{}
2424 \setlength{\sectionoffset}{1cm}
2425 % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2426 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2427 % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2428 % \setbeamertemplate{progress~bar~in~splitvert}[display]
2429 \setbeamertemplate{subsection~page}[gotham~progressvert]
2430 % \usebeamertemplate*{subsection~page}% activated automatically
2431 }
2432
2433 % Subsubsection page progressvert.
2434 \defbeamertemplate{subsubsection~page}{gotham~progressvert}{
2435 % \frametitle{subsubsection!}
2436 % \IfEmpty{\insertframetitle}{

```

```

2437 \ifx\beamer@frametitle\@empty
2438 \vspace*{-0.05\paperheight}
2439 \else %}{
2440 \vspace*{-0.165\paperheight}
2441 \fi %}
2442 \setlength{\gotham@progressonsectionpage}{
2443 \paperheight * \ratio{\insertframenum pt}{\inserttotalframenum pt}
2444 }
2445 {
2446 \usebeamerfont{frametitle}\colorlet{gotham@@tempColor}{bg}
2447 \colorlet{gotham@@tempColorB}{fg}
2448 \begin{tikzpicture}[overlay, remember~picture]
2449 \fill[color=gotham@@tempColor]
2450 ([shift={(0,0)}] current~page.north~west) --
2451 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~west) --
2452 ([shift={(0,-\gotham@progressonsectionpage)}] current~page.north~east) --
2453 ([shift={(0,0)}] current~page.north~east)
2454 --cycle;
2455 \node[align=left, text~width=0.8\textwidth] at ([shift={(\sectio
2456 {\usebeamerfont{section~title}
2457 \insertsectionnumber.~
2458 \insertsectionhead}
2459 \\
2460 {\usebeamerfont{subsection~title}
2461 \insertsectionnumber.\insertsubsectionnumber.~
2462 \insertsubsectionhead}
2463 \\
2464 {\usebeamerfont{subsubsection~title}
2465 \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2466 \insertsubsubsectionhead}
2467 };
2468
2469 \clip
2470 ([shift={(0,0)}] current~page.south~west) --
2471 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2472 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2473 ([shift={(0,0)}] current~page.south~east)
2474 --cycle;
2475
2476 \fill[color=gotham@@tempColorB]
2477 ([shift={(0,0)}] current~page.south~west) --
2478 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~west) --
2479 ([shift={(0,\paperheight-\gotham@progressonsectionpage)}] current~page.south~east) --
2480 ([shift={(0,0)}] current~page.south~east)
2481 --cycle;
2482 \node[align=left, text~width=0.8\textwidth] at ([shift={(\sectio
2483 {\usebeamerfont{section~title}
2484 \insertsectionnumber.~
2485 \insertsectionhead}
2486 \\
2487 {\usebeamerfont{subsection~title}
2488 \insertsectionnumber.\insertsubsectionnumber.~
2489 \insertsubsectionhead}
2490 \\

```

```

2491     {\usebeamerfont{subsubsection~title}
2492     \insertsectionnumber.\insertsubsectionnumber.\insertsubsubsectionnumber.~
2493     \insertsubsubsectionhead}
2494   };
2495   \end{tikzpicture}
2496 }
2497 }
2498 \defbeamertemplate{subsubsection~frame}{gotham~progressvert}{
2499   \setbeamertemplate{background~canvas}[subsubsection/gotham]
2500   % \setbeamercolor{frametitle}{}
2501   \setlength{\sectionoffset}{1cm}
2502   % \setbeamercolor{section~title}{use=frametitle, fg=frametitle.bg}
2503   % \setbeamercolor{subsection~title}{use=frametitle, fg=frametitle.bg}
2504   % \setbeamercolor{subsubsection~title}{use=frametitle, fg=frametitle.bg}
2505   % \setbeamertemplate{progress~bar~in~splitvert}[display]
2506   \setbeamertemplate{subsubsection~page}[gotham~progressvert]
2507   % \usebeamertemplate*{subsubsection~page}% activated automatically
2508 }

```

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

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

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

```

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

```

```

2537 sectionframe~template .code:n = { \__gotham_set_template:nn{section~frame}{#1} }
2538 }
2539 \keys_define:nn { gotham / inner }
2540 {
2541   % sectionframe default
2542   sectionframe~default .choice:,
2543   sectionframe~default .usage:n = { general },
2544   sectionframe~default .default:n = { true },
2545
2546   sectionframe~default / true .code:n = { \__gotham_inner_enable_sectionpage: },
2547   sectionframe~default / on .code:n = { \__gotham_inner_enable_sectionpage: },
2548   sectionframe~default / enable .code:n = { \__gotham_inner_enable_sectionpage: },
2549
2550   sectionframe~default / false .code:n = { \__gotham_inner_disable_sectionpage: },
2551   sectionframe~default / off .code:n = { \__gotham_inner_disable_sectionpage: },
2552   sectionframe~default / disable .code:n = { \__gotham_inner_disable_sectionpage: },
2553
2554   sectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
2555 }
2556
2557 \keys_define:nn { gotham / inner }{
2558   % subsectionframe template
2559   subsectionframe~template .usage:n = { general },
2560   subsectionframe~template .default:n = { gotham~progressbar },
2561   subsectionframe~template .code:n = { \__gotham_set_template:nn{subsection~frame}{#1} }
2562 }
2563 \keys_define:nn { gotham / inner }
2564 {
2565   % subsectionframe default
2566   subsectionframe~default .choice:,
2567   subsectionframe~default .usage:n = { general },
2568   subsectionframe~default .default:n = { true },
2569
2570   subsectionframe~default / true .code:n = { \__gotham_inner_enable_subsectionpage: },
2571   subsectionframe~default / on .code:n = { \__gotham_inner_enable_subsectionpage: },
2572   subsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsectionpage: },
2573
2574   subsectionframe~default / false .code:n = { \__gotham_inner_disable_subsectionpage: },
2575   subsectionframe~default / off .code:n = { \__gotham_inner_disable_subsectionpage: },
2576   subsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsectionpage: },
2577
2578   subsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~i
2579 }
2580
2581 \keys_define:nn { gotham / inner }{
2582   % subsubsectionframe template
2583   subsubsectionframe~template .usage:n = { general },
2584   subsubsectionframe~template .default:n = { gotham~progressbar },
2585   subsubsectionframe~template .code:n = { \__gotham_set_template:nn{subsubsection~frame}{#1}
2586 }
2587 \keys_define:nn { gotham / inner }
2588 {
2589   % subsubsectionframe default
2590   subsubsectionframe~default .choice:,

```

```

2591 subsectionframe~default .usage:n = { general },
2592 subsectionframe~default .default:n = { true },
2593
2594 subsectionframe~default / true .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2595 subsectionframe~default / on .code:n = { \__gotham_inner_enable_subsubsectionpage: },
2596 subsectionframe~default / enable .code:n = { \__gotham_inner_enable_subsubsectionpage: }
2597
2598 subsectionframe~default / false .code:n = { \__gotham_inner_disable_subsubsectionpage: },
2599 subsectionframe~default / off .code:n = { \__gotham_inner_disable_subsubsectionpage: },
2600 subsectionframe~default / disable .code:n = { \__gotham_inner_disable_subsubsectionpage: }
2601
2602 subsectionframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
2603 }

```

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

### Table of Content

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

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

```

2604 \tikzset{section~number/.style={
2605   circle,
2606   fill=colorAlert,
2607   minimum~size=0.4em,
2608   text=colorAlert!10,
2609   inner~sep=1.5pt,
2610 },
2611 section/.style={
2612   draw=none,
2613   rectangle,
2614   minimum~height=1em,
2615   minimum~width=0.8\textwidth,
2616   text~width=0.8\textwidth,
2617   text=fg,
2618   align=left
2619 },
2620 subsection~number/.style={
2621   circle,
2622   fill=colorBackElement!50,
2623   inner~sep=0pt,
2624   minimum~size=0.15cm,
2625 },
2626 subsection/.style={
2627   draw=none,
2628   rectangle,
2629   minimum~height=1em,
2630   minimum~width=0.8\textwidth,
2631   text~width=0.8\textwidth,
2632   text=fg!80,
2633   align=left
2634 },
2635 subsubsection~number/.style={
2636   circle,
2637   fill=colorBackElement!50,

```

```

2638   inner~sep=0pt,
2639   minimum~size=0.06cm,
2640 },
2641 subsection/.style={
2642   draw=none,
2643   rectangle,
2644   minimum~height=1em,
2645   minimum~width=0.8\textwidth,
2646   text~width=0.8\textwidth,
2647   text=fg!80,
2648   align=left
2649 },
2650 }

```

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

amertemplate{section-in-toc}{gotham-bullet}

Template definitions for gotham bullet style of ToC that appear in section |subsection |subsection frame.

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

```

2651 \defbeamertemplate{section~in~toc}{gotham~bullet}{
2652   \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section-number]{\textbf{\small\inserttocsection
2653   \ \tikz[baseline=-0.5ex]\node[section]{\usebeamerfont*{toc~title} \inserttocsection};\[-0.
2654   \hspace*{1.13cm}{\usebeamercolor*[fg]{footer} \rule{0.6\paperwidth}{0.2pt}\nointerlineskip
2655   }
2656 \defbeamertemplate{subsection~in~toc}{gotham~bullet}{
2657   \hspace*{0.53cm}\tikz[baseline=-0.5ex]\node[subsection-number]{};
2658   \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[subsection]{\usebeamerfont*{toc~subtitle}\insert
2659   }
2660 \defbeamertemplate{subsubsection~in~toc}{gotham~bullet}{
2661   \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection~number]{};
2662   \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection]{\usebeamerfont*{toc~subtitle}\in
2663   }
2664 % Shaded for sections already done in the presentation.
2665 \defbeamertemplate{section~in~toc~shaded}{gotham~bullet}{
2666   \hspace*{0.4cm}\tikz[baseline=-0.5ex]\node[section-number, fill=colorBackElement!40, text=b
2667   \ \tikz[baseline=-0.5ex]\node[section, text=colorExample!20]{\usebeamerfont*{toc~title} \in
2668   \hspace*{1.3cm}{\usebeamercolor*[fg]{footer} \rule{0.6\paperwidth}{0.2pt}\nointerlineskip
2669   }
2670 \defbeamertemplate{subsection~in~toc~shaded}{gotham~bullet}{
2671   \hspace*{0.55cm}\tikz[baseline=-0.5ex]\node[subsection~number, fill=colorBackElement!20]{};
2672   \hspace*{0.5cm}\tikz[baseline=-0.5ex]\node[subsection, text=colorBackElement!20]{};\[-0.2c
2673   }
2674 \defbeamertemplate{subsubsection~in~toc~shaded}{gotham~bullet}{
2675   \hspace*{0.58cm}\tikz[baseline=-0.5ex]\node[subsubsection~number, fill=colorBackElement!20]{
2676   \hspace*{0.69cm}\tikz[baseline=-0.5ex]\node[subsubsection, text=colorBackElement!20]{\usebea
2677   }

```

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

amertemplate{section-in-toc}{gotham-bullet}

Template definitions for gotham simple style of ToC that appear in section |subsection |subsection frame.

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

```

2678 \defbeamertemplate{part~in~toc}{gotham~simple}{

```



```

2679   {{\inserttocpartnumber}.}~\inserttocpart
2680   \\
2681   }
2682   \defbeamertemplate{section~in~toc}{gotham~simple}{
2683   {{\inserttocsectionnumber}.}~\inserttocsection
2684   \\
2685   }
2686   \defbeamertemplate{subsection~in~toc}{gotham~simple}{
2687   \quad{{\inserttocsectionnumber}.\inserttocsubsectionnumber.}~\inserttocsubsection%
2688   \\
2689   }
2690   \defbeamertemplate{subsubsection~in~toc}{gotham~simple}{
2691   \qqquad{{\inserttocsectionnumber}.\inserttocsubsectionnumber.\inserttocsubsubsectionnumber.}
2692   \\
2693   }

```

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

```

\plate{background~canvas}{toc/gotham~simple}
\meremplate{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*.

```

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

```

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

```
\begin{frame}[toc]
```

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

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

```

2713   \newenvironment{tocenv}{
2714   \usebeamertemplate{toc~page}
2715   }{}
2716   \__gotham_add_beamerframe_key:n {toc}

```

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

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

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

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

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

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

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

```
2726 \defbeamertemplate{toc-part-frame}{gotham-simple}{
2727   \setbeamertemplate{part-in-toc}[gotham-simple]
2728   \setbeamertemplate{section-in-toc}[gotham-simple]
2729   \setbeamertemplate{subsection-in-toc}[gotham-simple]
2730   \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2731   \setbeamertemplate{background-canvas}[toc-part-gotham]
2732   \setbeamertemplate{frametitle}[toc-gotham]
2733   % \usebeamertemplate*{part-page}% already included
2734 }
2735 \defbeamertemplate{toc-section-frame}{gotham-simple}{
2736   \setbeamertemplate{part-in-toc}[gotham-simple]
2737   \setbeamertemplate{section-in-toc}[gotham-simple]
2738   \setbeamertemplate{subsection-in-toc}[gotham-simple]
2739   \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2740   \setbeamertemplate{background-canvas}[toc-section-gotham]
2741   \setbeamertemplate{frametitle}[toc-gotham]
2742   % \usebeamertemplate*{section-page}% already included
2743 }
2744 \defbeamertemplate{toc-subsection-frame}{gotham-simple}{
2745   \setbeamertemplate{part-in-toc}[gotham-simple]
2746   \setbeamertemplate{section-in-toc}[gotham-simple]
2747   \setbeamertemplate{subsection-in-toc}[gotham-simple]
2748   \setbeamertemplate{subsubsection-in-toc}[gotham-simple]
2749   \setbeamertemplate{background-canvas}[toc-subsection-gotham]
2750   \setbeamertemplate{frametitle}[toc-gotham]
2751   % \usebeamertemplate*{subsection-page}% already included
2752 }
```

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

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

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

```
2753 \defbeamertemplate{toc-part-frame}{gotham-bullet}{
2754   \setbeamertemplate{part-in-toc}[gotham-bullet]
2755   \setbeamertemplate{section-in-toc}[gotham-bullet]
2756   \setbeamertemplate{subsection-in-toc}[gotham-bullet]
2757 }
```

```

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

```

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

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

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

```

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

```

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

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

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

```

2800 \bool_new:N \l_gotham_tocsectionframe
2801 \bool_set_false:N \l_gotham_tocsectionframe
2802 \define@key{beamerframe}{tocsec}[true]{
2803   \bool_set_true:N \l_gotham_tocsectionframe
2804   \begingroup
2805     \usebeamertemplate{toc~section~frame}
2806   }
2807 \apptocmd{\beamer@reseteecodes}{
2808   \bool_if:NTF \l_gotham_tocsectionframe {
2809     \endgroup
2810     \bool_set_false:N \l_gotham_tocsectionframe
2811   }{}
2812 }{}{}
2813 % \define@key{beamerframe}{tocsec}[true]{
2814 %   \thispagestyle{navigation@tocsec}
2815 % }
2816 % \def\ps@navigation@tocsec{
2817 %   \usebeamertemplate{toc~section~frame}
2818 %   \@nameuse{ps@navigation}
2819 % }

```

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

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

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

```

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

```

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

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

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

```

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

```

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

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

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

```

2860 \keys_define:nn { gotham / inner }
2861 {
2862   % TOC style
2863   toctocframe-template .usage:n = { general },
2864   toctocframe-template .default:n = { gotham-bullet },
2865   toctocframe-template .code:n = { \__gotham_set_template:nn{toc~page}{#1} }
2866 }
2867
2868 \keys_define:nn { gotham / inner }{
2869   % parttocframe template
2870   parttocframe-template .usage:n = { general },
2871   parttocframe-template .default:n = { gotham~simple },
2872   parttocframe-template .code:n = { \__gotham_set_template:nn{toc~part~frame}{#1} }
2873 }
2874 \keys_define:nn { gotham / inner }
2875 {
2876   % parttocframe default
2877   parttocframe-default .choice:,
2878   parttocframe-default .usage:n = { general },
2879   parttocframe-default .default:n = { true },
2880
2881   parttocframe-default / true .code:n = { \booltrue{partContent} },
2882   parttocframe-default / on .code:n = { \booltrue{partContent} },

```

```

2883 parttocframe-default / enable .code:n = { \booltrue{partContent} },
2884
2885 parttocframe-default / false .code:n = { \boolfalse{partContent} },
2886 parttocframe-default / off .code:n = { \boolfalse{partContent} },
2887 parttocframe-default / disable .code:n = { \boolfalse{partContent} },
2888
2889 parttocframe-default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'~is-u
2890 }
2891
2892 \keys_define:nn { gotham / inner }{
2893 % sectiontocframe template
2894 sectiontocframe~template .usage:n = { general },
2895 sectiontocframe~template .default:n = { gotham~simple },
2896 sectiontocframe~template .code:n = { \__gotham_set_template:nn{toc~section~frame}{#1} }
2897 }
2898 \keys_define:nn { gotham / inner }
2899 {
2900 % sectiontocframe default
2901 sectiontocframe~default .choice:,
2902 sectiontocframe~default .usage:n = { general },
2903 sectiontocframe~default .default:n = { true },
2904
2905 sectiontocframe~default / true .code:n = { \booltrue{sectionContent} },
2906 sectiontocframe~default / on .code:n = { \booltrue{sectionContent} },
2907 sectiontocframe~default / enable .code:n = { \booltrue{sectionContent} },
2908
2909 sectiontocframe~default / false .code:n = { \boolfalse{sectionContent} },
2910 sectiontocframe~default / off .code:n = { \boolfalse{sectionContent} },
2911 sectiontocframe~default / disable .code:n = { \boolfalse{sectionContent} },
2912
2913 sectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'~i
2914 }
2915
2916 \keys_define:nn { gotham / inner }{
2917 % subsectiontocframe template
2918 subsectiontocframe~template .usage:n = { general },
2919 subsectiontocframe~template .default:n = { gotham~simple },
2920 subsectiontocframe~template .code:n = { \__gotham_set_template:nn{toc~subsection~frame}{#1}
2921 }
2922 \keys_define:nn { gotham / inner }
2923 {
2924 % subsectiontocframe default
2925 subsectiontocframe~default .choice:,
2926 subsectiontocframe~default .usage:n = { general },
2927 subsectiontocframe~default .default:n = { true },
2928
2929 subsectiontocframe~default / true .code:n = { \booltrue{subsectionContent} },
2930 subsectiontocframe~default / on .code:n = { \booltrue{subsectionContent} },
2931 subsectiontocframe~default / enable .code:n = { \booltrue{subsectionContent} },
2932
2933 subsectiontocframe~default / false .code:n = { \boolfalse{subsectionContent} },
2934 subsectiontocframe~default / off .code:n = { \boolfalse{subsectionContent} },
2935 subsectiontocframe~default / disable .code:n = { \boolfalse{subsectionContent} },
2936

```

```

2937 subsectiontocframe~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1
2938 }

```

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

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

```

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

```

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

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

```

\linespread
2946 \newlength{\gotham@parskip}
2947 \setlength{\gotham@parskip}{0.5em}
2948 \setlength{\parskip}{\gotham@parskip}
2949 \linespread{1.15}

```

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

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

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

```

2950 \newcommand{\gotham@block}[1]{
2951 \par\vskip\medskipamount
2952 \setlength{\parskip}{0pt}
2953
2954 % If a background color is defined for the block title or body, we need to add a little bit
2955 % Ideally, this would be accomplished by setting |colsep=0.75ex|, which is intended to add
2956 % Unfortunately, |colsep| also adds this separation if the background color is inherited, e
2957 % (The technical reason for this boils down to the fact that the |\ifx| directive does not
2958 %
2959 % To achieve the correct spacing for |alertblock|s and |exampleblock|s as well as for norma
2960 %
2961 % If the |block title| background is empty, or the user has explicitly removed the backgroun
2962 \ifbeamercolorempy[bg]{block~title#1}{%
2963 \begin{beamercolorbox}[rightskip=0pt~plus~4em]{block~title#1}
2964 }{
2965 \ifbeamercolorempy[bg]{block~title}{
2966 \begin{beamercolorbox}[rightskip=0pt~plus~4em]{block~title#1}
2967 }
2968 % Otherwise, if the |block title| has a background, we set the padding based on |\gotham@
2969 % However, we have to visually compensate for the |\gotham@strut| added to the block title
2970 %
2971 {
2972 \begin{beamercolorbox}[

```

```

2973     sep=\dimexpr\gotham@blocksep-\gotham@blockadjust\relax,
2974     leftskip=\gotham@blockadjust,
2975     rightskip=\dimexpr\gotham@blockadjust~plus~4em\relax,
2976     ]{block~title#1}
2977   }
2978 }
2979 % We can now set the contents of the |block title|.
2980 % The zero-width but positive-height box |\gotham@strut| ensures that the block title box h
2981 %
2982 \usebeamerfont*{block~title#1}
2983 \gotham@strut
2984 \insertblocktitle
2985 \gotham@strut
2986 \end{beamercolorbox}
2987 % Next, we typeset the |block body|.
2988 % This the code is similar to, but simpler than, the |block title| code since we don't need
2989 \nointerlineskip
2990 \ifbeamercoloreempty[bg]{block~body#1}{
2991   \begin{beamercolorbox}[vmode]{block~body#1}
2992 }{
2993   \ifbeamercoloreempty[bg]{block~body}{
2994     \begin{beamercolorbox}[vmode]{block~body#1}
2995   }{
2996     \begin{beamercolorbox}[sep=\gotham@blocksep, vmode]{block~body#1}
2997     \vspace{-\gotham@parskip}
2998   }
2999 }
3000 \usebeamerfont{block~body#1}
3001 \setlength{\parskip}{\gotham@parskip}
3002 }
3003 % This concludes the auxiliary macro |\gotham@block|.

```

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

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

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

```

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

```

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

`\defbeamertemplate{block~begin}{gotham}` We define the block beamer templates using the auxiliary macro `\gotham@block`.  
*The following test files are used for this code: gotham-test-043.*

```

3010 \defbeamertemplate*{itemize~item}{gotham}{%\textbullet}
3011 \Large
3012 \setbeamertemplate{itemize~item}[circle]

```



```

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

```

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

```

\defbeamertemplate{caption}
\defbeamertemplate{footnote}

```

Templates definitions for caption and footnote.

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

```

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

```

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

`Default_inner_keys` Apply default key options.

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

```

3040 % when no value is given, default is called.
3041 \keys_set:nn { gotham / inner } {
3042 title~page,
3043 watermark~template, watermark~default,
3044 standout~template, standin~template,
3045 partframe~template, partframe~default,
3046 sectionframe~template, sectionframe~default,
3047 subsectionframe~template, subsectionframe~default,
3048 subsubsectionframe~template, subsubsectionframe~default,
3049 tocframe~template,
3050 parttocframe~template, parttocframe~default,
3051 sectiontocframe~template, sectiontocframe~default,
3052 subsectiontocframe~template, subsectiontocframe~default,
3053 % subsubsectiontocframe~template, subsubsectiontocframe~default,
3054 }

```

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

Process\_inner\_keys Process package options.

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

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

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

```
3057 %\endinput
3058 </inner>
```

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

OUTER

Comptibility\_mode\_for\_colors FROM COLOR THEME: useful to provide this recall when the inner theme is loaded without the color theme.

```
3065 \@ifundefined{\string\color@colorProgBar}{
3066 \providebool{darkBG} \boolfalse{darkBG}
3067 \providebool{transparentBG} \booltrue{transparentBG}
3068 \colorlet{colorBG}{white}
3069 \colorlet{colorFG}{black}
3070 \colorlet{colorFrametitle}{purple}
3071 \colorlet{colorStandout}{purple}
3072 \colorlet{colorStandin}{purple}
3073 \colorlet{colorTitlepage}{purple}
3074 \colorlet{colorFiligrane}{gray}
3075 \colorlet{colorBackElement}{gray}
3076 \colorlet{colorProgBar}{orange}
3077 \colorlet{colorAlert}{red}
3078 \colorlet{colorExample}{green}
3079 \colorlet{colorFrametitle}{purple}
3080 \colorlet{colorTitlepage}{purple}
3081 \setbeamercolor{progress~bar}{
3082 use=alerted~text,
3083 fg=colorProgBar,
3084 bg=alerted~text.fg!50!black!30
3085 }
3086 \setbeamercolor{progress~bar~in~head/foot}{%
3087 use=progress~bar,
3088 parent=progress~bar
3089 }
3090 \setbeamercolor{progress~bar~in~part~page}{
3091 use=progress~bar,
3092 parent=progress~bar
3093 }
3094 \setbeamercolor{progress~bar~in~section~page}{
3095 use=progress~bar,
```

```

3096   parent=progress~bar
3097 }
3098 \setbeamercolor{progress~bar~in~splitvert}{
3099   use=progress~bar,
3100   parent=progress~bar
3101 }
3102 \setbeamercolor{frametitleSection}{use=primary~palette, bg=, fg=primary~palette.bg}
3103 \setbeamercolor{standout}{use=primary~palette, bg=colorStandout, fg=primary~palette.bg}
3104 \setbeamercolor{standin}{use=normal~text, bg=colorStandin, fg=normal~text.fg}
3105 \setbeamercolor{section~in~toc}{use=normal~text, parent=normal~text,}
3106 \setbeamercolor{subsection~in~toc}{use=normal~text, parent=normal~text,}
3107 \setbeamercolor{subsubsection~in~toc}{use=normal~text, parent=normal~text,}
3108 }{
3109   % else the colors are defined: this is fine.
3110 }

```

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

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

```

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

```

*(End of definition for \l\_\_gotham\_template\_name\_prop.)*

```

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

```

*(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\_pr

If the template name given as input does not exist, an error is raised.

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

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

---

---

\\_\_gotham\_add\_beamerframe\_key:n

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

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

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

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

---

---

**`\__gotham_set_template:nn`**

**#1** : element name (from beamer doc) in other word, the name the template category  
**#2** : predefined option (from beamer doc)  
Function to set a beamertemplate with an option if it exists, otherwise an error is raised. Unfortunately, (as far as I know) it not possible to test if the element name exists independently from the predefined option.

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

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

### Sidebars

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

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

```
3200 % sidebar lengths
3201 \newlength{\sidebarRightHOffset}
3202 \setlength{\sidebarRightHOffset}{-2.5ex}
3203 \newlength{\sidebarLeftHOffset}
3204 \setlength{\sidebarLeftHOffset}{+0.5ex}
```

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

**`\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.*

```
3205 % Command to add filigrane/edging in sidebar
3206 \newcommand{\gothamRightFiligrane}{
3207 % left empty intentionally
3208 % \rotatebox{90}{gotham right filigrane pattern}
3209
3210 }
3211 \newcommand{\gothamLeftFiligrane}{
3212 % left empty intentionally
3213 % \rotatebox{-90}{\hspace*{5em} gotham left filigrane pattern}
3214 }
```

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

`\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*.

```

3215 \defbeamertemplate{sidebar~right}{default/beamer}{
3216   \vfill
3217   \llap{\insertlogo\hskip0.1cm}
3218   \vskip2pt
3219   \llap{\usebeamertemplate***{navigation~symbols}\hskip0.1cm}
3220   \vskip2pt
3221 }
3222 \defbeamertemplate{sidebar~right}{default/empty}{}
3223 \defbeamertemplate{sidebar~canvas~right}{default/empty}{}
3224 \defbeamertemplate{sidebar~canvas~right}{default/gotham-filigrane}{
3225   % pull to the left otherwise, the filigrane is outside of the frame.
3226   \hspace*{\sidebarRightHOffset}
3227   \gothamRightFiligrane
3228 }
3229 \defbeamertemplate{sidebar~left}{default/empty}{}
3230 \defbeamertemplate{sidebar~canvas~left}{default/empty}{}
3231 \defbeamertemplate{sidebar~canvas~left}{default/gotham-filigrane}{
3232   \hspace*{\sidebarLeftHOffset}
3233   \gothamLeftFiligrane
3234 }
3235 % Add the template to the prop (dictionary) of background template to use according to the s
3236 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~left/default} {gotham-filigrane}
3237 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~canvas~right/default} {gotham-filigrane}
3238 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~left/default} {empty}
3239 \prop_put:Nnn \l__gotham_template_name_prop {sidebar~right/default} {beamer}

```

(End of definition for `\defbeamertemplate{sidebar~canvas~right}{}` and `\defbeamertemplate{sidebar~canvas~left}{}`. These functions are documented on page ??.)

`\l_gotham_defaultEdging` Boolean variable to display the edging by default (or not).

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

```

3240 \bool_new:N \l_gotham_defaultEdging
3241 \bool_set_false:N \l_gotham_defaultEdging
3242 % At every new frame, reset the options to default (unless some options/keys are given)
3243 \BeforeBeginEnvironment{frame}{
3244   \bool_if:NTF \l_gotham_defaultEdging {
3245     \setbeamertemplate{sidebar~canvas~left}[default/\prop_item:Nn \l__gotham_template_name_pro
3246     \setbeamertemplate{sidebar~canvas~right}[default/\prop_item:Nn \l__gotham_template_name_pr
3247   }{
3248     % false
3249     \setbeamertemplate{sidebar~canvas~left}[default/empty]
3250     \setbeamertemplate{sidebar~canvas~right}[default/empty]
3251   }
3252 }

```

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

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

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

```

3253 % bool to trigger the add of edging in sidebar canvas
3254 \newenvironment{edgingenv}{
3255   \setbeamertemplate{sidebar~canvas~left}[
3256     default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~left/default}
3257   ]
3258   \setbeamertemplate{sidebar~canvas~right}[
3259     default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~canvas~right/default}
3260   ]
3261 }{}
3262 \__gotham_add_beamerframe_key:n {edging}

```

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

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

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

```

3263 % bool to trigger the add of noedging in sidebar canvas
3264 \newenvironment{noedgingenv}{
3265   \setbeamertemplate{sidebar~canvas~left}[default/empty]
3266   \setbeamertemplate{sidebar~canvas~right}[default/empty]
3267 }{}
3268 \__gotham_add_beamerframe_key:n {noedging}

```

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

`outer_key_□_□_interface` Controls the outer settings for sidebar canvas right and sidebar canvas left.

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

```

3269 \keys_define:nn { gotham / outer }
3270 {
3271   % sidebar~canvas~right template
3272   sidebar~canvas~right~template .usage:n = { general },
3273   sidebar~canvas~right~template .default:n = { gotham-filigrane },
3274   sidebar~canvas~right~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~right}
3275 }
3276 \keys_define:nn { gotham / outer }
3277 {
3278   % sidebar~canvas~left template
3279   sidebar~canvas~left~template .usage:n = { general },
3280   sidebar~canvas~left~template .default:n = { gotham-filigrane },
3281   sidebar~canvas~left~template .code:n = { \__gotham_set_prop_template:nn{sidebar~canvas~left}
3282 }
3283 \keys_define:nn { gotham / outer }{
3284   % edging default
3285   edging~default .choice:,
3286   edging~default .usage:n = { general },
3287   edging~default .default:n = { false },
3288
3289   edging~default / true .code:n = { \bool_set_true:N \l__gotham_defaultEdging },

```



```

3290 edging-default / on .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3291 edging-default / enable .code:n = { \bool_set_true:N \l_gotham_defaultEdging },
3292
3293 edging~default / false .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3294 edging~default / off .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3295 edging~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultEdging },
3296
3297 edging~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'-is~unknown
3298 }

```

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

#### Navigation & Logo

`\defbeamertemplate*{navigation-symbols}{empty}` Apply the empty navigation symbol template by default.

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

```

3299 \defbeamertemplate*{navigation~symbols}{empty}{}

```

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

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

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

```

3300 % \setbeamertemplate{navigation~symbols}[vertical]
3301 % \setbeamertemplate{navigation~symbols}[only~frame~symbol]
3302 % \setbeamertemplate{navigation~symbols}[default]% = horizontal
3303 % \defbeamertemplate{navigation~symbols}{horizontal}{
3304 %   \usebeamercolor[fg]{navigation~symbols}
3305 %   \insertslidenavigationsymbol
3306 %   \insertframenavigationsymbol
3307 %   \insertsubsectionnavigationsymbol
3308 %   \insertsectionnavigationsymbol
3309 %   \insertdocnavigationsymbol
3310 %   \insertbackfindforwardnavigationsymbol
3311 % }

```

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

`\defbeamertemplate{logo}{empty}` Template used sometimes to have no logo on specific frames.

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

```

3312 \defbeamertemplate{logo}{empty}{}

```

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

`\begin{frame}[nologo]` Add a frame option `nologo`, if you do not want your logo to be displayed. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

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

```

3313 % bool to trigger the add of nologo action on frame.
3314 \newenvironment{nologoenv}{
3315   \setbeamertemplate{logo}[empty]
3316 }{}
3317 \__gotham_add_beamerframe_key:n {nologo}

```

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

Headline & Frametitle

Headline

`\defbeamertemplate{headline}{default/gotham}` The headline template is empty by default but can be changed when using progress bar or the current section.

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

```
3318 \defbeamertemplate{headline}{default/gotham}{}
3319 \prop_put:Nnn \l__gotham_template_name_prop {headline/default} {gotham}
```

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

`\defbeamertemplate{headline}{default/gotham-section}` The headline template used to print the current section name and subsection. This template is used with `circlehead` progress bar

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

```
3320 \defbeamertemplate{headline}{default/gotham-section}{
3321 \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
3322 \usebeamerfont{section-in-head/foot}\hspace*{3.5ex}
3323 \usebeamertemplate{section-in-head/foot}
3324 \end{beamercolorbox}
3325 }
```

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

Frametitle

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

```
\gotham@frametitle@bottompadding
\gotham@frametitle@leftpadding
\gotham@frametitle@rightpadding
3326 \newlength{\gotham@frametitle@toppadding}
3327 \setlength{\gotham@frametitle@toppadding}{2.2ex}
3328 \newlength{\gotham@frametitle@bottompadding}
3329 \setlength{\gotham@frametitle@bottompadding}{2.2ex}
3330 \newlength{\gotham@frametitle@leftpadding}
3331 \setlength{\gotham@frametitle@leftpadding}{2.2ex}
3332 \newlength{\gotham@frametitle@rightpadding}
3333 \setlength{\gotham@frametitle@rightpadding}{2.2ex}
3334 % \gotham@strut from inner
3335 \providecommand{\gotham@strut}{
3336 \vphantom{ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz (/)}
3337 }
```

(End of definition for `\gotham@frametitle@toppadding` and others. These variables are documented on page ??.)

`\gotham@frametitlestrut@start` Commands used to control the space over and under the title in frametitle.

`\gotham@frametitlestrut@end` The following test files are used for this code: *gotham-test-046*, *gotham-test-046b*, *gotham-test-047*.

```
3338 \newcommand{\gotham@frametitlestrut@start}{
3339 \rule{0pt}{\gotham@frametitle@toppadding +
3340 \totalheightof{
```

```

3341 \ifcsdef\gotham@frametitleformat{\gotham@frametitleformat{X}}{X}
3342 }
3343 }
3344 }
3345 \newcommand\gotham@frametitlestrut@end){
3346 \rule[-\gotham@frametitle@bottompadding]{0pt}{\gotham@frametitle@bottompadding}
3347 }

```

(End of definition for `\gotham@frametitlestrut@start` and `\gotham@frametitlestrut@end`. These functions are documented on page ??.)

---

```

\gothamInstituteLogoSquare[height]□\defbeamertemplate{includeLogo}{default/gotham-square} \gothamInstituteLogoSquare
                                                                    [(height)]

```

Command to include the desired logo and a template used to add it to the frametitle. For example you can do `\renewcommand\gothamInstituteLogoSquare[1][4ex]{\includegraphics[height=#1]{gotham-logo.pdf}}`.  
*The following test files are used for this code: gotham-test-046, gotham-test-047.*

```

3348 \newcommand\gothamInstituteLogoSquare[1][4ex]{
3349 %\includegraphics[height=#1]{gotham-logo.pdf}
3350 }
3351 \defbeamertemplate{includeLogo}{default/gotham-square}{
3352 \gothamInstituteLogoSquare
3353 }
3354 \prop_put:Nnn \l__gotham_template_name_prop {includeLogo/default} {gotham-square}

```

```

template{includeLogo}{default/gotham-circle} Template used in frametitle when the option progress bar= circlehead is activated.

```

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

```

3355 \defbeamertemplate{includeLogo}{default/gotham-circle}{
3356 \gothamProgressCircle
3357 }

```

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

```

template{includeLogo}{default/gotham-circle} Template to make sure the logo will remain centered and to do not change the height of
the line when included. This template is used to include logo in frametitle.

```

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

```

3358 \defbeamertemplate{instituteLogo}{default/gotham}{
3359 % \raisebox{lift}[height][depth]{text}
3360 \raisebox{0pt}[0pt][0pt]{
3361 \raisebox{.5\fontcharht\font'E-0.5\height}{
3362 % \setbeamertemplate{}[]
3363 \setbeamertemplate{includeLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {incl
3364 \usebeamertemplate{includeLogo}
3365 }
3366 }
3367 }
3368 \prop_put:Nnn \l__gotham_template_name_prop {instituteLogo/default} {gotham}

```

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

`\gothamFrameSubtitleSep` Hyphen used as separator between title of the frame and its subtitle (within frametitle template).

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

```

3369 \newcommand{\gothamFrameSubtitleSep}{
3370 % \[-.42em] % if newline (as default Beamer)
3371 % or if same line with a -- separator.
3372 \ ----
3373 }

```

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

```

3374 \newlength{\gothamFramesubtitleStrutend}
3375 \setlength{\gothamFramesubtitleStrutend}{0pt}
3376 % \setlength{\gothamFramesubtitleStrutend}{-1.25ex} %% When \newcommand{\gothamFrameSubtitle

```

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

`\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.*

```

3377 \defbeamertemplate{frametitle}{default/gotham~subsameline}{
3378 \nointerlineskip
3379 \begin{beamercolorbox}[
3380 wd=\paperwidth,
3381 sep=0pt,
3382 leftskip=\gotham@frametitle@leftpadding,
3383 rightskip=\gotham@frametitle@rightpadding,
3384 ]{frametitle}
3385 \gotham@frametitlestrut@start
3386 \insertframetitle
3387 \ifx\insertframesubtitle\@empty
3388 %% if subtitle to the frame is empty
3389 \else
3390 %% if not empty: add subtitle
3391 {\usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\gothamFrameSubtitleSep \
3392 \vspace*{\gothamFramesubtitleStrutend}
3393 \fi
3394 \nolinebreak
3395 %% Add logo
3396 \hfill{
3397 \setbeamertemplate{instituteLogo}{default/\prop_item:Nn \l__gotham_template_name_prop {in
3398 \usebeamertemplate{instituteLogo}
3399 }
3400 \gotham@frametitlestrut@end
3401 \end{beamercolorbox}
3402 }
3403 \prop_put:Nnn \l__gotham_template_name_prop {frametitle/default} {gotham-subsameline}

```

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

`\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.*

```

3404 \dim_new:N \l__gotham_framesubtitle_subnewline_strutend_dim

```

```

3405 \defbeamertemplate{framesubtitle}{default/gotham~subnewline}{
3406 \nointerlineskip
3407 \begin{beamercolorbox}[
3408 wd=\paperwidth,
3409 sep=0pt,
3410 leftskip=\gotham@frametitle@leftpadding,
3411 rightskip=\gotham@frametitle@rightpadding,
3412 ]{frametitle}
3413 % put the subtitle in a raisebox to have no influence on the result.
3414 \raisebox{0pt}[0pt][0pt]{
3415 \raisebox{-0.3ex}{
3416 { \usebeamerfont{framesubtitle}\usebeamercolor[fg]{framesubtitle}\insertframesubtitle}
3417 }
3418 }
3419 % add 1ex to take into account the subtitle height.
3420 \dim_set:Nn \l__gotham_framesubtitle_subnewline_strutend_dim {1.ex+\gothamFramesubtitleStr
3421 \vspace{\l__gotham_framesubtitle_subnewline_strutend_dim}
3422 \end{beamercolorbox}
3423 }
3424 \prop_put:Nnn \l__gotham_template_name_prop {framesubtitle/default} {gotham~subnewline}

```

(End of definition for `\defbeamertemplate{framesubtitle}{default/gotham~subnewline}`. This function is documented on page ??.)

`\framesubtitle}{default/gotham~subnewline}` Template for frametitle and a logo a flushed left then the subtitle on a new line.

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

```

3425 \defbeamertemplate{frametitle}{default/gotham~subnewline}{
3426 \nointerlineskip
3427 \begin{beamercolorbox}[
3428 wd=\paperwidth,
3429 sep=0pt,
3430 leftskip=\gotham@frametitle@leftpadding,
3431 rightskip=\gotham@frametitle@rightpadding,
3432 ]{frametitle}
3433 \gotham@frametitlestrut@start
3434 \insertframetitle
3435 \nolinebreak
3436 \hfill{
3437 \setbeamertemplate{instituteLogo}[default/\prop_item:Nn \l__gotham_template_name_prop {instituteLogo}]
3438 \usebeamertemplate{instituteLogo}
3439 }
3440 \gotham@frametitlestrut@end
3441 \end{beamercolorbox}
3442 %% End of the frametitle box, start then use the subtitle template if needed.
3443 \ifx\insertframesubtitle\@empty
3444 %% if subtitle to the frame is not empty
3445 \else
3446 % reduce vertical space to have a 1pt overlap, so no white line appears with vectorial view
3447 \vspace*{-1pt}
3448 % add the subtitle
3449 \setbeamertemplate{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {framesubtitle/default}]
3450 % \setbeamertemplate{framesubtitle}%[framesubtitle/default]
3451 \usebeamertemplate{framesubtitle}
3452 \fi
3453 }

```

(End of definition for `\defbeamer-template{framesubtitle}{default/gotham-subnewline}`. This function is documented on page ??.)

`outer_key_interface` Controls the outer settings for frametitle and framesubtitle.

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

```

3454 \keys_define:nn { gotham / outer }{
3455 % frametitle template
3456 frametitle~template .usage:n = { general },
3457 frametitle~template .default:n = { gotham-subsameline },
3458 frametitle~template .code:n = {
3459   \__gotham_set_prop_template:nn{frametitle/default}{#1}
3460   \setbeamer-template{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {framet
3461 }
3462 }
3463 \keys_define:nn { gotham / outer }{
3464 % framesubtitle template
3465 framesubtitle~template .usage:n = { general },
3466 framesubtitle~template .default:n = { gotham-subnewline },
3467 framesubtitle~template .code:n = {
3468   \__gotham_set_prop_template:nn{framesubtitle/default}{#1}
3469   \setbeamer-template{framesubtitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fra
3470 }
3471 }

```

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

Continuation

`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*.

```

3472 \defbeamer-template{frametitle-continuation}{default/beamer}{
3473   \usebeamerfont{frametitle}
3474   {
3475     \MakeUppercase{\romannumeral \insertcontinuationcount}
3476   }
3477 }

```

(End of definition for `\defbeamer-template{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*.

```

3478 \defbeamer-template{frametitle-continuation}{default/tot}{
3479   \usebeamerfont{frametitle}
3480   {
3481     \textmd{%
3482       [\insertcontinuationcount
3483       \,/,\,%
3484       \the\numexpr\beamer@endpageofframe+1-\beamer@startpageofframe
3485     ]%

```

```

3486 }%
3487 }
3488 }

```

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

`te{frametitle-continuation}{default/gotham}` Template for numerotation of frametitle when a frame are continuing on several pages (allowed with the beamer option `allowframebreaks`). Gotham theme (by default) is using roman number with lowercase.

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

```

3489 \defbeamertemplate{frametitle-continuation}{default/gotham}{
3490   \usebeamerfont{frametitle}
3491   {
3492     %\small
3493     (\romannumeral \insertcontinuationcount)
3494   }
3495 }
3496 \prop_put:Nnn \l__gotham_template_name_prop {frametitle-continuation/default} {gotham}

```

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

`outer_key_□_□_interface` Controls the outer settings for frametitle continuation.

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

```

3497 \keys_define:nn { gotham / outer }{
3498   % frametitle template
3499   frametitle-continuation-template .usage:n = { general },
3500   frametitle-continuation-template .default:n = { gotham },
3501   frametitle-continuation-template .code:n = {
3502     \__gotham_set_prop_template:nn{frametitle-continuation/default}{#1}
3503     \setbeamertemplate{frametitle-continuation}[default/\prop_item:Nn \l__gotham_template_name
3504   }
3505 }

```

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

Footer & Footline  
Footline

`\defbeamertemplate{footline}{empty}` Empty footline template used when the option `nofootline` is given.

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

```

3506 \defbeamertemplate{footline}{empty}{}

```

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

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

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

```

3507 % bool to trigger the add of nofootline in frame.
3508 \newenvironment{nofootlineenv}{
3509   \setbeamertemplate{footline}[empty]
3510 }{}
3511 \__gotham_add_beamerframe_key:n {nofootline}

```

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

`\gothamFootlineOffset` Lengths used in footline template.  
`\gothamFootlineHeight` 3512 % Footline lengths  
`\gothamFootlineDepth` 3513 % space between to bottom of the text (or the footnote) and the footline  
3514 `\newlength{\gothamFootlineOffset}`  
3515 `\setlength{\gothamFootlineOffset}{-0.5ex}`  
3516  
3517 `\newlength{\gothamFootlineHeight}`  
3518 `\setlength{\gothamFootlineHeight}{1.5ex}`  
3519 `\newlength{\gothamFootlineDepth}`  
3520 `\setlength{\gothamFootlineDepth}{0.1ex}`

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

`\defbeamertemplate*{footline}{default/gotham}` Template that is activate by default since this footline is relatively generic.

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

```

3521 \defbeamertemplate*{footline}{default/gotham}{
3522 % new line to adjust the footline position.
3523 \vspace*{\gothamFootlineOffset}
3524 \begin{beamercolorbox}[
3525 wd=\textwidth,
3526 sep=0pt,
3527 leftskip=3ex,
3528 rightskip=3ex,
3529 ht={\gothamFootlineHeight},
3530 dp={\gothamFootlineDepth},
3531 ]{footline}
3532 \usebeamerfont{page number in head/footer}
3533 \ifbeamertemplateempty{frame~footer}{
3534 %executed if empty
3535 \hfill \ \gotham@strut
3536 }{
3537 %\executed otherwise
3538 \usebeamertemplate*{frame~footer}
3539 }
3540 \hspace{\gothamRightFooterPadding}
3541 {\usebeamertemplate{page~number~in~head/footer}}~
3542 \end{beamercolorbox}
3543 }
3544 \prop_put:Nnn \l__gotham_template_name_prop {footline/default} {gotham}

```

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

Footer

`\gothamLeftFooterPadding` Lengths used in footer template for positioning left right and bottom.  
`\gothamRightFooterPadding` 3545 `\newlength{\gothamLeftFooterPadding}`  
`\gothamFooterHOffset` 3546 `\setlength{\gothamLeftFooterPadding}{2.0ex}`  
3547 `\newlength{\gothamRightFooterPadding}`  
3548 `\setlength{\gothamRightFooterPadding}{3.5ex}`  
3549 `\newlength{\gothamFooterHOffset}`  
3550 `\setlength{\gothamFooterHOffset}{0pt}`



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

`\defbeamertemplate{frame-footer}{none}` Footer template used when nothing is put as footer but it will create undesired results. The following test files are used for this code: *gotham-test-048*.

```
3551 \defbeamertemplate{frame-footer}{none}{}

```

(End of definition for `\defbeamertemplate{frame-footer}{none}`. This function is documented on page ??.)

`\defbeamertemplate{frame-footer}{empty}` Footer template used when `nofooter` option is given and it presevers spacing to have nice results.

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

```
3552 \defbeamertemplate{frame-footer}{empty}{
3553   \hspace{\gothamLeftFooterPadding}
3554   \hfill \
3555   \gotham@strut
3556   % decrease space between progress bar and footer
3557   \vspace*{\gothamFooterHOffset}
3558 }

```

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

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

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

```
3559 % bool to trigger the add of nofooter in frame.
3560 \newenvironment{nofooterenv}{
3561   \setbeamertemplate{frame-footer}[empty]
3562 }{}
3563 \__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*.

```
3564 \bool_new:N \l_gotham_defaultRotateFooter
3565 \bool_set_false:N \l_gotham_defaultRotateFooter
3566 \bool_new:N \l_gotham_RotateFooter
3567 \bool_set_false:N \l_gotham_RotateFooter
3568 % At every new frame, reset the options to default (unless some options/keys are given)
3569 \BeforeBeginEnvironment{frame}{
3570   \bool_if:NTF \l_gotham_defaultRotateFooter {
3571     \bool_set_true:N \l_gotham_RotateFooter
3572   }{% false
3573     \bool_set_false:N \l_gotham_RotateFooter
3574   }
3575 }

```

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

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

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

```
3576 % bool to trigger
3577 % Capture new options/keys for frames
3578 \define@key{beamerframe}{rotateFooter}[true]{
3579   \bool_set_true:N \l_gotham_RotateFooter
3580 }
```

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

`\begin{frame}[noRotateFooter]` Add a frame option `noRotateFooter` to display a none-rotated footer. To do it, we must add a global boolean variable, capture the option at the begin of the frame and patch the end of the frame.

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

```
3581 % Capture new options/keys for frames
3582 \define@key{beamerframe}{noRotateFooter}[true]{
3583   \bool_set_false:N \l_gotham_RotateFooter
3584 }
```

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

`outer_key_ interface` Controls the outer settings for sidebar canvas right and sidebar canvas left.

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

```
3585 \keys_define:nn { gotham / outer }{
3586   % rotateFooter default
3587   rotateFooter~default .choice:,
3588   rotateFooter~default .usage:n = { general },
3589   rotateFooter~default .default:n = { false },
3590
3591   rotateFooter~default / true .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3592   rotateFooter~default / on .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3593   rotateFooter~default / enable .code:n = { \bool_set_true:N \l_gotham_defaultRotateFooter },
3594
3595   rotateFooter~default / false .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3596   rotateFooter~default / off .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3597   rotateFooter~default / disable .code:n = { \bool_set_false:N \l_gotham_defaultRotateFooter },
3598
3599   rotateFooter~default / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
3600 }
```

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

```
\gothamFootlineRuleLeftPadding Lengths used in footer template.
\gothamFootlineRuleHeight 3601 \newlength{\gothamFootlineRuleLeftPadding}
\gothamFootlineRuleLength 3602 \newlength{\gothamFootlineRuleHeight}
\gothamHposLeftRotFooter 3603 \newlength{\gothamFootlineRuleLength}
\gothamHposRightRotFooter 3604 \setlength{\gothamFootlineRuleLeftPadding}{7mm}
\gothamVposLeftRotFooter 3605 \setlength{\gothamFootlineRuleHeight}{0.0pt}
\gothamVposRightRotFooter 3606 % \setlength{\gothamFootlineRuleHeight}{0.5pt} % This is nice also but have a cleaner default
3607 \setlength{\gothamFootlineRuleLength}{15mm}
3608
```

```

3609 \newlength{\gothamHposLeftRotFooter}
3610 \newlength{\gothamHposRightRotFooter}
3611 \newlength{\gothamVposLeftRotFooter}
3612 % horizontal position (in picture env) for the rotated footer.
3613 \newlength{\gothamVposRightRotFooter}
3614
3615 \setlength{\gothamHposLeftRotFooter}{-7pt}
3616 \setlength{\gothamHposRightRotFooter}{2pt}
3617 \setlength{\gothamVposLeftRotFooter}{15pt}
3618 \setlength{\gothamVposRightRotFooter}{15pt}

```

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

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

```

3619 % Not used yet because I need to have a latex3 settowidth equivalent.
3620 % I will maybe take inspiration from https://tex.stackexchange.com/questions/492367/does-exp
3621 % \dim_new:N \l__gotham_HLen_rightRotFooter_dim
3622 % \dim_new:N \l__gotham_HLen_leftRotFooter_dim
3623 \newlength{\hlenRightRotFooter}
3624 \newlength{\hlenLeftRotFooter}

```

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

`\beamertemplate{frame-footer}{default/gotham}` Template for frame footer used by gotham, allowing a rotated footer.

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

```

3625 \defbeamertemplate{frame~footer}{default/gotham}{
3626 % add a ruler but without affecting the dimensions of the footline
3627 \vbox to 0pt{
3628 % Vertical stretch to ensure proper spacing
3629 \vss
3630 \hbox to 0pt{
3631 \hspace*{\gothamFootlineRuleLeftPadding}
3632 \usebeamercolor{frametitle}
3633 \color{frametitle.bg}
3634 \rule{\gothamFootlineRuleLength}{\gothamFootlineRuleHeight}
3635 \vspace*{
3636 \dimexpr \gothamFootlineHeight -0.25em\relax
3637 }
3638 % Horizontal stretch to ensure proper spacing
3639 \hss
3640 }
3641 }
3642 \hspace{\gothamLeftFooterPadding}
3643 \settowidth{\hlenLeftRotFooter}{\hspace{-\gothamLeftFooterPadding}}
3644 \addtolength{\hlenLeftRotFooter}{\gothamHposLeftRotFooter}
3645 % \ifbool{rotateFooter}{
3646 \bool_if:NTF \l__gotham_RotateFooter {
3647 % rotateFooter true
3648 \begin{picture}(0,0)(0,0)
3649 \put(\hlenLeftRotFooter,\gothamVposLeftRotFooter){\rotatebox{90}{\insertshortdate}}
3650 \end{picture}
3651 }{
3652 % rotateFooter false

```

```

3653 \insertshortdate
3654 }
3655 \hfill \
3656 \hfill \ \insertshorttitle
3657 % make sure that the vertical space is constant: strut.
3658 \gotham@strut
3659 \hfill \
3660 \hfill \
3661 % \ifbool{rotateFooter}{
3662 \bool_if:NTF \l_gotham_RotateFooter {
3663 % rotateFooter true
3664 \settowidth{\hlenRightRotFooter}{\hspace{\gothamRightFooterPadding}\usebeamertemplate{page
3665 \addtolength{\hlenRightRotFooter}{\gothamHposRightRotFooter}
3666 \begin{picture}(0,0)(0,0)
3667 \put(\hlenRightRotFooter,\gothamVposRightRotFooter){\rotatebox{90}{\insertshortauthor}}
3668 \end{picture}
3669 }{
3670 % rotateFooter false
3671 \insertshortauthor
3672 %\hspace{-7em}
3673 }
3674 % decrease space between progress bar and footer
3675 \vspace*{\gothamFooterHOffset}
3676 }
3677 \prop_put:Nnn \l__gotham_template_name_prop {frame~footer/default} {gotham}

```

(End of definition for \defbeamertemplate{frame~footer}{default/gotham}. This function is documented on page ??.)

`outer_key_{}_interface` Controls the outer settings for footer template.

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

```

3678 \keys_define:nn { gotham / outer }{
3679 % footer template
3680 footer~template .usage:n = { general },
3681 footer~template .default:n = { gotham },
3682 footer~template .code:n = {
3683 \__gotham_set_prop_template:nn{frame~footer/default}{#1}
3684 \setbeamertemplate{frame~footer}[
3685 default/\prop_item:Nn \l__gotham_template_name_prop {frame~footer/default}
3686 ]
3687 }
3688 }

```

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

Numbering

`\inserttotalframenum` We defined the number of total frame, if not defined or equal to 0 because of the first compilation, we set it to avoid arithmetical errors

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

```

3689 %
3690 \def\inserttotalframenum{100}

```

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

`\meritemplate{page-number-in-head/foot}{none}` Template to do not numbering the current frame.  
*The following test files are used for this code: gotham-test-048.*

```

3691 \defbeamertemplate{page-number~in-head/foot}{none}{ }

```

(End of definition for `\defbeamertemplate{page-number-in-head/foot}{none}`. This function is documented on page ??.)

`\gothamCircleNumberingVshift` Length used in `raisebox` and `hspace` in circle frame numbering.  
`\gothamCircleNumberingHshift`

```

3692 \newlength{\gothamCircleNumberingVshift}
3693 \setlength{\gothamCircleNumberingVshift}{1.4mm}
3694 \newlength{\gothamCircleNumberingHshift}
3695 \setlength{\gothamCircleNumberingHshift}{2.6mm}

```

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

`\meritemplate{page-number-in-head/foot}{circle}` Template to add, in a circle, the number of the current frame over (slash) the total number of frames.  
*The following test files are used for this code: gotham-test-048.*

```

3696 \defbeamertemplate{page-number~in-head/foot}{circle}{
3697 % horizontal space between the circle and the right part of the footer (email).
3698 \hspace{+2em}
3699 % \raisebox{lift}[height][depth]{text} => lift here = vertical space between the bottom of
3700 \raisebox{\gothamCircleNumberingVshift}[Opt][Opt]{
3701 \begin{tikzpicture}[remember~picture, overlay]
3702 \coordinate (circleCenter);
3703
3704 \usebeamercolor{frametitle}
3705
3706 \draw[fill, color=frametitle.bg] (circleCenter) circle (6mm);
3707 \draw[fill, color=frametitle.fg] (circleCenter) circle (5mm);
3708 \node[color=frametitle.bg] at (circleCenter)
3709 {\small$\^{\insertframenummer}\negmedspace/\negthinspace\sb{\inserttotalframenummer}$}
3710 ;
3711 \end{tikzpicture}
3712 % horizontal space between the right border of the page and the center of the circle.
3713 \hspace{\gothamCircleNumberingHshift}
3714 }
3715 }

```

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

`\outer_key_~_interface` Controls the outer settings for frame numbering.  
*The following test files are used for this code: gotham-test-048.*

```

3716 \keys_define:nn { gotham / outer }{
3717 % numbering
3718 numbering .choice:,
3719 numbering .usage:n = { general },
3720 numbering .default:n = { none },
3721
3722 % \__gotham_set_template:nn{title~page}{#1}
3723 numbering / none .code:n = { \setbeamertemplate{page-number~in-head/foot}[none] },
3724 numbering / framenummer .code:n = { \setbeamertemplate{page-number~in-head/foot}[framenumbe

```

```

3725 numbering / totalframenumbers .code:n = {\setbeamertemplate{page-number-in-head/foot}[totalf
3726 numbering / appendixframenumbers .code:n = {\setbeamertemplate{page-number-in-head/foot}[app
3727 numbering / pagenumbers .code:n = { \setbeamertemplate{page-number-in-head/foot}[pagenumbers]
3728 numbering / totalpagenumbers .code:n = {\setbeamertemplate{page-number-in-head/foot}[totalpa
3729 numbering / circle .code:n = {\setbeamertemplate{page-number-in-head/foot}[circle] },
3730
3731 numbering / unknown .code:n = { \PackageWarning{ gotham } { The-choice-’#1’-is-unknown-for-
3732 }

```

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

MiniFrames & Progress bar  
MiniFrames

Template control how the section appears by default when sections are add to the headline or footline.

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

```

3733 \defbeamertemplate{section-in-head/foot}{default/beamer}{
3734 \insertsectionhead
3735 }
3736 \defbeamertemplate{section-in-head/foot~shaded}{default/beamer}{
3737 \color{fg!50!bg}\usebeamertemplate{section-in-head/foot}
3738 }
3739
3740 % \defbeamertemplate{includeLogo}{default/gotham-square}{
3741 \prop_put:Nnn \l__gotham_template_name_prop {section-in-head/foot~shaded/default} {beamer}
3742 % \defbeamertemplate{includeLogo}{default/gotham-square}{
3743 \prop_put:Nnn \l__gotham_template_name_prop {section-in-head/foot/default} {beamer}

```

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

Template for section and subsection in headline.

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

```

3744 \defbeamertemplate{section-in-head/foot}{default/gotham-secSubsec}{
3745 \insertsectionhead
3746 \ifx\insertsubsection\empty\else
3747 \ifdefempty{\subsecname}{\relax}{
3748 \ \textbar\ \insertsubsectionhead
3749 }
3750 \fi
3751 }
3752 \defbeamertemplate{section-in-head/foot~shaded}{default/gotham-secSubsec}{
3753 \insertsectionhead
3754 }

```

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

Empty template for section in headline, compensating the height of a line.

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

```

3755 \defbeamertemplate{section-in-head/foot}{default/empty}{
3756 \vspace{3.875ex}
3757 }
3758 \defbeamertemplate{section-in-head/foot~shaded}{default/empty}{

```

```

3759 \vspace{3.875ex}
3760 }

```

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

`\gotham@temp@heightFrametitle` Temporary length variables to compute the height of the frametitle and the height of the  
`\gotham@temp@PaperheightFrametitle` paper minus the frametitle.

```

3761 \newlength{\gotham@temp@heightFrametitle}
3762 \newlength{\gotham@temp@PaperheightFrametitle}

```

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

`/foot_left_right}{gotham-miniframes-theme}` Template to insert the navigation bar (using miniframes) that can be added to headline (or footline) left sidebar or right sidebar.

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

```

3763 \defbeamertemplate*{mini-nav-progress-head/foot}{gotham-miniframes-theme}
3764 {
3765 %,ht=1.75ex,dp=2.75ex
3766 \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
3767 \hfuzz=\paperwidth
3768 \insertnavigation{\paperwidth}
3769 % \dohead
3770 \vspace{0.05cm}
3771 \end{beamercolorbox}
3772 }

```

```

3773 \defbeamertemplate*{mini-nav-progress-left}{gotham-miniframes-theme}
3774 {
3775 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
3776 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle-}
3777
3778 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\}
3779
3780 \vspace{-0.6\paperheight}
3781 \rotatebox{90}{
3782 %,ht=1.75ex,dp=2.75ex
3783 \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
3784 \hfuzz=\gotham@temp@PaperheightFrametitle
3785 \insertnavigation{\gotham@temp@PaperheightFrametitle}
3786 % \dohead
3787 % \vspace{0.05cm}
3788 \end{beamercolorbox}
3789 }
3790 }

```

```

3791 \defbeamertemplate*{mini-nav-progress-right}{gotham-miniframes-theme}
3792 {
3793 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
3794 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle-}
3795
3796 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\}
3797
3798 \vspace{\gotham@temp@heightFrametitle}
3799 \hspace{-2.3em}

```

```

3800 \rotatebox{-90}{
3801   %,ht=1.75ex,dp=2.75ex
3802   \begin{beamercolorbox}[ignorebg]{section-in-head/foot}
3803     \hfuzz=\gotham@temp@PaperheightFrametitle
3804     \insertnavigation{\gotham@temp@PaperheightFrametitle}
3805     % \dohead
3806     % \vspace{0.05cm}
3807   \end{beamercolorbox}
3808 }
3809 }

```

(End of definition for `\defbeamertemplate*{mini-nav-progress-head/foot left right}{gotham-miniframes-theme}`.  
This function is documented on page ??.)

Select the bullets shape

`\defbeamertemplate{mini-frame}{gotham-box}`

Template to add a new shape for miniframes gotham box.

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

```

3810 \defbeamertemplate{mini-frame}{gotham-box}
3811 {
3812   \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
3813     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}
3814     \pgfusepath{fill,stroke}
3815   \end{pgfpicture}
3816 }[action]{
3817   \setbeamersize{mini-frame~size=.14cm, mini-frame~offset=.05cm}
3818 }
3819 %
3820 \defbeamertemplate{mini-frame~in~current~subsection}{gotham-box}
3821 {
3822   \begin{pgfpicture}{0pt}{0pt}{.1cm}{.1cm}
3823     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.1cm}{0.1cm}}
3824     \pgfusepath{stroke}
3825   \end{pgfpicture}
3826 }

```

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

`\defbeamertemplate{mini-frame}{gotham-minibox}`

Template to add a new shape for miniframes gotham minibox.

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

```

3827 \defbeamertemplate{mini-frame}{gotham-minibox}
3828 {
3829   \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}
3830     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}
3831     \pgfusepath{fill,stroke}
3832   \end{pgfpicture}
3833 }[action]{
3834   \setbeamersize{mini-frame~size=.08cm, mini-frame~offset=.05cm}
3835 }
3836 %
3837 \defbeamertemplate{mini-frame~in~current~subsection}{gotham-minibox}
3838 {
3839   \begin{pgfpicture}{0pt}{0pt}{.05cm}{.05cm}
3840     \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{0.05cm}{0.05cm}}

```



```

3841 \pgfusepath{stroke}
3842 \end{pgfpicture}
3843 }

```

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

`\defbeamertemplate{mini-frame}{gotham-minibullet}` Template to add a new shape for miniframes gotham minibullet.  
The following test files are used for this code: *gotham-test-048*.

```

3844 \defbeamertemplate{mini-frame}{gotham-minibullet}
3845 {
3846 \beamer@xelatex@fixminiframes
3847 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
3848 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
3849 \pgfusepath{fill,stroke}
3850 \end{pgfpicture}
3851 }[action]{
3852 \setbeamersize{mini-frame-size=.09cm, mini-frame-offset=.05cm}
3853 }
3854 %
3855 \defbeamertemplate{mini-frame-in-current-subsection}{gotham-minibullet}
3856 {
3857 \beamer@xelatex@fixminiframes
3858 \begin{pgfpicture}{0pt}{0pt}{0.05cm}{0.05cm}
3859 \pgfpathcircle{\pgfpoint{0.03cm}{0.03cm}}{0.03cm}
3860 \pgfusepath{stroke}
3861 \end{pgfpicture}
3862 }

```

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

`outer_key_{}_interface` Controls the outer settings for mini frames shape template.

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

```

3863 \keys_define:nn { gotham / outer }{
3864 %% mini-frames-shape
3865 % mini-frames-shape .choice:,
3866 mini-frames-shape .usage:n = { general },
3867 mini-frames-shape .default:n = { gotham-minibullet },
3868 % \__gotham_set_template:nn{title-page}{#1}
3869 mini-frames-shape .code:n = {
3870 % \__gotham_set_template:nn{mini-frames}{#1}% This can not work since this is an alias, so
3871 \setbeamertemplate{mini-frames}[#1]
3872 },
3873 % mini-frames-shape / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'#1'-is-un
3874 }

```

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

`\defbeamertemplate*{miniframe-home}` Template to adapt Beamer to the internal modification brought by Gotham: differentiation between slide to come and those done, idem for section, subsection...

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

```

3875 \defbeamertemplate*{miniframe-home}{beamer}{
3876 % $\equiv$

```

```

3877 }
3878 \defbeamertemplate*{miniframe-current-slide}{beamer}{
3879 \usebeamertemplate{mini-frame}
3880 }
3881 \defbeamertemplate*{miniframe-done-current-section}{beamer}{
3882 \usebeamertemplate{mini-frame-in-current-subsection}
3883 }
3884 \defbeamertemplate*{miniframe-todo-current-section}{beamer}{
3885 \usebeamertemplate{mini-frame-in-current-subsection}
3886 }
3887 \defbeamertemplate*{miniframe-done-other-section}{beamer}{
3888 \usebeamertemplate{mini-frame-in-other-subsection}
3889 }
3890 \defbeamertemplate*{miniframe-todo-other-section}{beamer}{
3891 \usebeamertemplate{mini-frame-in-other-subsection}
3892 }
3893 % Templates about should appear sectioning in mini frame.
3894 % \defbeamertemplate*{miniframe-part}{beamer}{}
3895 \defbeamertemplate*{miniframe-section-current}{beamer}{}
3896 \defbeamertemplate*{miniframe-section-done}{beamer}{}
3897 \defbeamertemplate*{miniframe-section-todo}{beamer}{}
3898 \defbeamertemplate*{miniframe-subsection-current}{beamer}{}
3899 \defbeamertemplate*{miniframe-subsection-todo}{beamer}{}
3900 \defbeamertemplate*{miniframe-subsection-done}{beamer}{}
3901 % \defbeamertemplate*{miniframe-subsubsection}{beamer}{}
3902 \defbeamertemplate*{miniframe-section-done-in-other-section}{default}[1][50]
3903 {
3904 \color{fg!#1!bg}\usebeamertemplate{miniframe-section-done}
3905 }
3906 \defbeamertemplate*{miniframe-section-todo-in-other-section}{default}[1][50]
3907 {
3908 \color{fg!#1!bg}\usebeamertemplate{miniframe-section-todo}
3909 }
3910 \defbeamertemplate*{miniframe-subsection-done-in-other-section}{default}[1][50]
3911 {
3912 \color{fg!#1!bg}\usebeamertemplate{miniframe-subsection-done}
3913 }
3914 \defbeamertemplate*{miniframe-subsection-todo-in-other-section}{default}[1][50]
3915 {
3916 \color{fg!#1!bg}\usebeamertemplate{miniframe-subsection-todo}
3917 }

```

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

`\beamertemplate{miniframe-home}{gotham-mini}`

Templates for miniframes using a Gotham style inspired by a miniaturization than the one from Beamer.

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

```

3918 \defbeamertemplate{miniframe-home}{gotham-mini}{
3919 \resizebox{0.85\beamer@boxsize}{\beamer@boxsize}{\equiv$}
3920 % \scalebox{0.5}[0.95]{\equiv$}
3921 }
3922 \defbeamertemplate{miniframe-current-slide}{gotham-mini}{
3923 \usebeamercolor[fg]{alerted-text}

```

```

3924 \usebeamertemplate{mini~frame}
3925 }
3926 \defbeamertemplate{miniframe~done~current~section}{gotham-mini}{
3927 \usebeamertemplate{mini~frame}
3928 }
3929 \defbeamertemplate{miniframe~todo~current~section}{gotham-mini}{
3930 \usebeamertemplate{mini~frame~in~current~subsection}
3931 }
3932 \defbeamertemplate{miniframe~done~other~section}{gotham-mini}[1][50]{
3933 \color{fg!#1!bg}\usebeamertemplate{mini~frame}
3934 }
3935 \defbeamertemplate{miniframe~todo~other~section}{gotham-mini}[1][50]{
3936 \color{fg!#1!bg}\usebeamertemplate{mini~frame~in~other~subsection}
3937 }
3938 % Templates about should appear sectioning in mini frame.
3939 % \defbeamertemplate{miniframe~part}{gotham-mini}[1][]{
3940 % p
3941 % }
3942 \defbeamertemplate{miniframe~section~current}{gotham-mini}{
3943 \fontsize{3pt}{0pt}\selectfont
3944 % \color{blue}
3945 \tl_use:N \l__gotham_minif_tmpa_tl
3946 \hspace{1.pt}
3947 }
3948 \defbeamertemplate{miniframe~section~done}{gotham-mini}{
3949 \fontsize{3pt}{0pt}\selectfont
3950 % \color{green}
3951 \tl_use:N \l__gotham_minif_tmpa_tl
3952 \hspace{1.pt}
3953 }
3954 \defbeamertemplate{miniframe~section~todo}{gotham-mini}{
3955 \fontsize{3pt}{0pt}\selectfont
3956 % \color{red}
3957 \tl_use:N \l__gotham_minif_tmpa_tl
3958 \hspace{1.pt}
3959 }
3960 \defbeamertemplate{miniframe~subsection~current}{gotham-mini}{
3961 \usebeamercolor[fg]{alerted-text}
3962 \hspace{-0.15pt}
3963 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
3964 }
3965 \defbeamertemplate{miniframe~subsection~todo}{gotham-mini}{
3966 \hspace{-0.15pt}
3967 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\lozenge$}
3968 }
3969 \defbeamertemplate{miniframe~subsection~done}{gotham-mini}{
3970 \hspace{-0.15pt}
3971 \resizebox{\beamer@boxsize}{!}{\hspace{-0.75pt}$\blacklozenge$}
3972 }
3973 % \defbeamertemplate{miniframe~subsubsection}{gotham-mini}{
3974 % d
3975 % }

```

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

beamertemplate{miniframe-home}{gotham-nano}

Template for Gotham mini frame style using even less space.

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

```
3976 \defbeamertemplate{miniframe-home}{gotham-nano}{
3977 % \resizebox{\beamer@boxsize}{!}{\equiv$}
3978 \scalebox{0.5}[0.95]{\equiv$}
3979 }
3980 \defbeamertemplate{miniframe-current-slide}{gotham-nano}{
3981 o
3982 }
3983 \defbeamertemplate{miniframe-done-current-section}{gotham-nano}{
3984 x
3985 }
3986 \defbeamertemplate{miniframe-todo-current-section}{gotham-nano}{
3987 $\cdot$
3988 }
3989 \defbeamertemplate{miniframe-done-other-section}{gotham-nano}{
3990 x
3991 }
3992 \defbeamertemplate{miniframe-todo-other-section}{gotham-nano}{
3993 $\cdot$
3994 }
3995 % Templates about should appear sectioning in mini frame.
3996 % \defbeamertemplate{miniframe-part}{gotham-nano}[1][]{
3997 % p
3998 % }
3999 \defbeamertemplate{miniframe-section-current}{gotham-nano}{
4000 \tl_use:N \l__gotham_minif_tpa_tl
4001 }
4002 \defbeamertemplate{miniframe-section-done}{gotham-nano}{
4003 \tl_use:N \l__gotham_minif_tpa_tl
4004 }
4005 \defbeamertemplate{miniframe-section-todo}{gotham-nano}{
4006 \tl_use:N \l__gotham_minif_tpa_tl
4007 }
4008 \defbeamertemplate{miniframe-subsection-current}{gotham-nano}{
4009 \usebeamercolor[fg]{alerted-text}\diamond$
4010 }
4011 \defbeamertemplate{miniframe-subsection-todo}{gotham-nano}{
4012 $\diamond$
4013 }
4014 \defbeamertemplate{miniframe-subsection-done}{gotham-nano}{
4015 $\diamond$
4016 }
```

*(End of definition for \defbeamertemplate{miniframe-home}{gotham-nano}. This function is documented on page ??.)*

defbeamertemplateparent{mini-frames-bundle}

Define a parent template to set the 6 templates at once.

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

```
4017 \defbeamertemplateparent{mini-frames-bundle}
4018 { miniframe-home, miniframe-current-slide,
4019 miniframe-done-current-section, miniframe-todo-current-section, miniframe-done-other-section,
4020 miniframe-section-current, miniframe-section-done, miniframe-section-todo,
4021 miniframe-subsection-current, miniframe-subsection-done, miniframe-subsection-todo,
```

```

4022 }{}
4023 %\setbeamertemplate{mini-frames-bundle}[gotham-mini] %[beamer] %[gotham-nano] %

```

(End of definition for `\defbeamertemplateparent{mini-frames-bundle}`. This function is documented on page ??.)

`outer_key_□_□_interface` Controls the outer settings for mini frames bundle template.  
*The following test files are used for this code: gotham-test-050.*

```

4024 \keys_define:nn { gotham / outer }{
4025   %% mini-frames-bundle
4026   % mini-frames-bundle .choice:,
4027   mini-frames-bundle .usage:n = { general },
4028   mini-frames-bundle .default:n = { gotham-mini },
4029   % \__gotham_set_template:nn{title-page}{#1}
4030   mini-frames-bundle .code:n = {
4031     % \__gotham_set_template:nn{mini-frames}{#1}% This can not work since this is an alias, so
4032     \setbeamertemplate{mini-frames-bundle}[#1]
4033   },
4034   % mini-frames-bundle / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'#1'-is-u
4035 }

```

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

MiniFrames Navigation

`outer_key_□_□_interface` Controls the outer settings for mini frames compress template.  
*The following test files are used for this code: gotham-test-050.*

```

4036 \keys_define:nn { gotham / outer }{
4037   % mini-frames-compress default
4038   mini-frames-compress .choice:,
4039   mini-frames-compress .usage:n = { general },
4040   mini-frames-compress .default:n = { true },
4041
4042   mini-frames-compress / true .code:n = { \beamer@compresstrue },
4043   mini-frames-compress / on .code:n = { \beamer@compresstrue },
4044   mini-frames-compress / enable .code:n = { \beamer@compresstrue },
4045
4046   mini-frames-compress / false .code:n = { \beamer@compressfalse },
4047   mini-frames-compress / off .code:n = { \beamer@compressfalse },
4048   mini-frames-compress / disable .code:n = { \beamer@compressfalse },
4049
4050   mini-frames-compress / unknown .code:n = { \PackageWarning{ gotham } { The-choice-'#1'-is-u
4051 }

```

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

`\l__gotham_minif_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`

```

4052 \newlength{\gotham@temp@MiniframeSubsecDim}
4053 \newlength{\gotham@temp@MiniframeSecDim}
4054 \def\gotham@temp@lastSec{-1}
4055 \tl_new:N \l__gotham_minif_tmpa_tl
4056 \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.*

```
4057 % definition from Beamerbasenavigation.sty
4058 % \def\slideentry#1#2#3#4#5#6{%
4059 \renewcommand{\slideentry}[6]{%
4060   %section number, subsection number, slide number, first/last frame, page number, part num
4061   \ifnum#6=\c@part\ifnum#3>0\ifnum#6=\c@part\ifnum#1>0\ifnum#3>0 MODIF
4062   \ifbeamer@compress%
4063   \advance\beamer@xpos by1\relax%
4064   \else%
4065   \ifnum#2=0%
4066   \beamer@ypos@offset=1\relax%
4067   \fi%
4068   \beamer@xpos=#3\relax%
4069   \beamer@ypos=#2\relax%
4070   \advance\beamer@ypos by \beamer@ypos@offset\relax%
4071   \fi%
4072   %% Add section number and subsection symbol to miniframes.
4073   %% MODIF below, inspired from https://tex.stackexchange.com/questions/722523
4074   \ifnum#3=1\c@subsectionslide=#3 % if =1, so it has been reset => new section or subsection
4075   \ifnum#1>0\ifnum#2<2% => there no subsection in this section.
4076   \ifnum\gotham@temp@lastSec=#1%
4077   % this means, that we already went through: there no subsec, then the first subsec has
4078   \else%
4079   \tl_set:Nn \l__gotham_minif_tmpa_tl {#1}
4080   \settowidth{\gotham@temp@MiniframeSecDim}{\usebeamertemplate{miniframe-section-current}}
4081   % \addtolength{\gotham@temp@MiniframeSecDim}{1.5pt}
4082   \hbox to Opt{%
4083   \beamer@tempdim=-\beamer@vboxoffset%
4084   \advance\beamer@tempdim by-\beamer@boxsize%
4085   \multiply\beamer@tempdim by\beamer@ypos%
4086   \advance\beamer@tempdim by -.05cm%
4087   \raise\beamer@tempdim\hbox{%
4088   \beamer@tempdim=\beamer@boxsize%
4089   \multiply\beamer@tempdim by\beamer@xpos%
4090   \advance\beamer@tempdim by -\beamer@boxsize%
4091   \advance\beamer@tempdim by -\gotham@temp@MiniframeSecDim% NEW
4092   \advance\beamer@tempdim by 1pt%
4093   \kern\beamer@tempdim%
4094   \global\beamer@section@min@dim\beamer@tempdim%
4095   \hbox{\beamer@link(#4){%
4096   % \usebeamertemplate{miniframe-section}%
4097   % if not first page then check if it is the current section.
4098   \ifnum\c@section=#1%
4099   % check if it is the current slide
4100   \ifnum\c@subsectionslide=#3%
4101   \usebeamertemplate{miniframe-section-current}
4102   \else%
4103   \ifnum\c@subsectionslide<#3
4104   \usebeamertemplate{miniframe-section-todo}
4105   \else%
4106   \usebeamertemplate{miniframe-section-done}
4107   \fi%
4108   \fi%
4109   \else% \ifnum\c@section=#1% 103
4110   \ifnum\c@section<#1
4111   \usebeamertemplate{miniframe-section-todo-in-other-section}
4112   \else%
4113   \usebeamertemplate{miniframe-section-done-in-other-section}
4114   \fi%
4115   \fi% \ifnum\c@section=#1
4116   }}%
```

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

```
4277 \providebool{gothamZerosectionframes}  
4278 \boolfalse{gothamZerosectionframes}
```

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

\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.*

```
4279 \providecommand{\gothamInsertNavlength}{  
4280 % spreading by default  
4281 \ifbool{gothamZerosectionframes}{  
4282 %true  
4283 % spreading  
4284 \hskip-0.5ex-plus~1fill  
4285 }{  
4286 %false  
4287 \hskip-1.875ex~plus-1fill  
4288 }%  
4289 }  
4290 \providecommand{\gothamPatchInsertNav}{  
4291 % Don't patch for now  
4292 \box\beamer@sectionbox\hfil\hskip.3cm  
4293 }  
4294 \providecommand{\gothamPatchSectionentry}{  
4295 % Don't patch for now  
4296 \hskip1.875ex~plus~1fill  
4297 }  
4298 \providecommand{\gothamPatchSectionbox}{  
4299 % Don't patch for now  
4300 \ht\beamer@sectionbox=1.875ex  
4301 \dp\beamer@sectionbox=0.75ex  
4302 }  
4303 \ExplSyntaxOff  
4304 % To let the 0-th section appear.  
4305 \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{%  
4306 \ifnum\value{section}=0%  
4307 \ifnum\value{framenum}>0%  
4308 \hskip-0ex%  
4309 \global\booltrue{gothamZerosectionframes}%  
4310 \fi\fi%  
4311 \gothamInsertNavlength%  
4312 }{}{}  
4313 %% Remove hfill between sections => flush right bullet bar, if not corrected.  
4314 \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\gothamPatchSectionentry}{}{}  
4315 %% Centering the bullet bar  
4316 \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{\gothamPatchInsertNav}{}{}  
4317 % Patch size of sectionbox  
4318 \patchcmd{\insertnavigation}{\ht\beamer@sectionbox=1.875ex%  
4319 \dp\beamer@sectionbox=0.75ex%  
4320 }{  
4321 \gothamPatchSectionbox  
4322 }{}{}  
4323 \patchcmd{\sectionentry}{\ht\beamer@sectionbox=1.875ex%
```



```

4324 \dp\beamer@sectionbox=0.75ex%
4325 }{
4326 \gothamPatchSectionbox
4327 }{}{}
4328 \ExplSyntaxOn

```

(End of definition for `\insertnavigation` and `\sectionentry`. These functions are documented on page ??.)

`outer_key_{}_interface` Controls the outer settings for mini frames navigation spreading.  
*The following test files are used for this code: gotham-test-051.*

```

4329 \keys_define:nn { gotham / outer }{
4330 % mini-frames-nav~spreading default
4331 mini-frames-nav~spreading .choice:,
4332 mini-frames-nav~spreading .usage:n = { general },
4333 mini-frames-nav~spreading .default:n = { spreading },
4334
4335 mini-frames-nav~spreading / spreading .code:n = {
4336 %
4337 \renewcommand{\gothamInsertNavlength}{
4338 \ifbool{gothamZerosectionframes}{
4339 %true
4340 % spreading
4341 \hskip-0.5ex
4342 }{
4343 %false
4344 \hskip-1.875ex-plus-1fill
4345 }%
4346 }
4347 % No other patch needed, but renewcommand if it has been modified previously.
4348 \renewcommand{\gothamPatchInsertNav}{
4349 % Don't patch for now
4350 \box\beamer@sectionbox\hfil\hskip.3cm
4351 }
4352 \renewcommand{\gothamPatchSectionentry}{
4353 % Don't patch for now
4354 \hskip1.875ex~plus~1fill
4355 }
4356 },
4357 mini-frames-nav~spreading / centering .code:n = {
4358 %
4359 \renewcommand{\gothamInsertNavlength}{
4360 \ifbool{gothamZerosectionframes}{
4361 %true
4362 % centering +patch sectionenty +patch insertnav @sectionbox
4363 \hskip-0.5ex~plus~1fill
4364 }{
4365 %false
4366 % \patchcmd{\insertnavigation}{\hskip-1.875ex plus-1fill}{\hfill}}{}{}
4367 \hfill
4368 }%
4369 }
4370 % Centering the bullet bar
4371 % \patchcmd{\insertnavigation}{\box\beamer@sectionbox\hfil\hskip.3cm}{\box\beamer@section

```

```

4372 \renewcommand{\gothamPatchInsertNav}{
4373   \box\beamer@sectionbox\hfill\hskip.3cm
4374 }
4375 %% Remove hfill between sections => flush right bullet bar, if not corrected.
4376 % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4377 \renewcommand{\gothamPatchSectionentry}{
4378   \hskip-3.5ex
4379 }
4380 },
4381 mini~frames~nav~spreading / left .code:n = {
4382   %
4383   \renewcommand{\gothamInsertNavlength}{
4384     \ifbool{gothamZerosectionframes}{
4385       %true
4386       % flush left +patch sectionenty
4387       \hskip-0.5ex
4388     }{
4389       %false
4390       % no patch
4391       \hskip-1.875ex plus-1fill
4392     }%
4393   }
4394   % Centering the bullet bar : NO
4395   % no patch
4396   \renewcommand{\gothamPatchInsertNav}{
4397     \box\beamer@sectionbox\hfil\hskip.3cm
4398   }
4399   %% Remove hfill between sections => flush right bullet bar, if not corrected.
4400   % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4401   \renewcommand{\gothamPatchSectionentry}{
4402     \hskip-3.5ex
4403   }
4404 },
4405 mini~frames~nav~spreading / right .code:n = {
4406   %
4407   \renewcommand{\gothamInsertNavlength}{
4408     \ifbool{gothamZerosectionframes}{
4409       %true
4410       % flush right +patch sectionenty
4411       \hskip-0.5ex~plus~1fill
4412     }{
4413       %false
4414       % no patch
4415       \hskip-1.875ex plus-1fill
4416     }%
4417   }
4418   % Centering the bullet bar : NO
4419   % no patch
4420   \renewcommand{\gothamPatchInsertNav}{
4421     \box\beamer@sectionbox\hfil\hskip.3cm
4422   }
4423   %% Remove hfill between sections => flush right bullet bar, if not corrected.
4424   % \patchcmd{\sectionentry}{\hskip1.875ex plus 1fill}{\hskip 3.5ex}{}{}
4425   \renewcommand{\gothamPatchSectionentry}{

```

```

4426   \hskip-3.5ex
4427   }
4428 },
4429 mini~frames~nav~spreading / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'
4430 }

```

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

**outer\_key\_□\_□\_interface** Controls the outer settings for mini frames navigation sectioning template.

*The following test files are used for this code: gotham-test-051.*

```

4431 \keys_define:nn { gotham / outer }{
4432 % mini~frames~nav~sectioning default
4433 mini~frames~nav~sectioning .choice:,
4434 mini~frames~nav~sectioning .usage:n = { general },
4435 mini~frames~nav~sectioning .default:n = { secsubsection },
4436
4437 mini~frames~nav~sectioning / none .code:n = {
4438 %
4439   \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
4440   \__gotham_set_template:nn{section~in~head/foot}{default/empty}
4441   \renewcommand{\gothamPatchSectionbox}{
4442     % patch to set section box height to 0.
4443     \ht\beamer@sectionbox=0pt
4444     \dp\beamer@sectionbox=0pt
4445   }
4446 },
4447 mini~frames~nav~sectioning / section .code:n = {
4448 %
4449   \__gotham_set_template:nn{section~in~head/foot~shaded}{default} %from Beamer
4450   \__gotham_set_template:nn{section~in~head/foot}{default} %from Beamer
4451 },
4452 mini~frames~nav~sectioning / secsubsection .code:n = {
4453 %
4454   \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham~secSubsec}
4455   \__gotham_set_template:nn{section~in~head/foot}{default/gotham~secSubsec}
4456 },
4457
4458 mini~frames~nav~sectioning / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'
4459 }

```

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

**outer\_key\_□\_□\_interface** Controls the outer settings for mini frames navigation position template.

*The following test files are used for this code: gotham-test-051.*

```

4460 \tl_new:N \l__gotham_out_tmp_mfnposi_tl
4461 \keys_define:nn { gotham / outer }{
4462 % mini~frames~nav~position default
4463 mini~frames~nav~position .choice:,
4464 mini~frames~nav~position .usage:n = { general },
4465 mini~frames~nav~position .default:n = { none },
4466
4467 mini~frames~nav~position / none .code:n = {
4468 %
4469 % reset if it has modified by another progressbar strategy

```

```

4470 % \l_gotham_set_prop_template:nn{sidebar~canvas~right/default}#{#1}
4471 \tl_set:Nn \l_gotham_out_tmp_mfnposi_tl {none}
4472
4473 % head
4474 \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {head} {
4475   % True: nothing to do it is already occupied.
4476 }{
4477   \setbeamertemplate{headline}[default/\prop_item:Nn \l_gotham_template_name_prop {headli
4478 }
4479 % frametitle
4480 % \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {frametitle} {
4481 % % True: nothing to do it is already occupied.
4482 % }{
4483 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l_gotham_template_name_prop {fra
4484 % }
4485 % foot
4486 \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {footline} {
4487   % True: nothing to do it is already occupied.
4488 }{
4489   \setbeamertemplate{footline}[default/\prop_item:Nn \l_gotham_template_name_prop {footlin
4490 }
4491 % left
4492 \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {left} {
4493   % True: nothing to do it is already occupied.
4494 }{
4495   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l_gotham_template_name_prop {sid
4496 }
4497 % right
4498 \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {right} {
4499   % True: nothing to do it is already occupied.
4500 }{
4501   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l_gotham_template_name_prop {si
4502 }
4503 },
4504 mini~frames~nav~position / head .code:n = {
4505   %
4506   \tl_if_eq:VnTF \l_gotham_out_tmp_mfnposi_tl {head} {
4507     % True: nothing to do it is already done.
4508   }{
4509     % False : remember that choice in order to do not apply it several time and add to beamer
4510     \tl_set:Nn \l_gotham_out_tmp_mfnposi_tl {head}
4511
4512     \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {head} {
4513       % True: nothing to do it is already occupied.
4514     }{
4515       \setbeamertemplate{headline}[default/\prop_item:Nn \l_gotham_template_name_prop {headli
4516     }
4517     % \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {frametitle} {
4518     % % True: nothing to do it is already occupied.
4519     % }{
4520     % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l_gotham_template_name_prop {fr
4521     % }
4522     \tl_if_eq:VnTF \l_gotham_out_tmp_pbar_tl {footline} {
4523     % True: nothing to do it is already occupied.

```

```

4524 }{
4525   \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4526 }
4527 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4528   % True: nothing to do it is already occupied.
4529 }{
4530   \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4531 }
4532 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4533   % True: nothing to do it is already occupied.
4534 }{
4535   \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4536 }
4537
4538 %
4539 \addtobeamertemplate{headline}{}{
4540   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
4541     \usebeamertemplate*{mini~nav~progress-head/foot}
4542   }{}
4543 }
4544 }
4545 },
4546 mini~frames~nav~position / foot .code:n = {
4547   %
4548   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
4549     % True: nothing to do it is already done.
4550   }{
4551     % False : remember that choice in order to do not apply it several time and add to beamer
4552     \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {foot}
4553
4554     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4555       % True: nothing to do it is already occupied.
4556     }{
4557       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4558     }
4559     % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4560     % % True: nothing to do it is already occupied.
4561     % }{}
4562     % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4563     % }
4564     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4565       % True: nothing to do it is already occupied.
4566     }{
4567       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4568     }
4569     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4570       % True: nothing to do it is already occupied.
4571     }{
4572       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4573     }
4574     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4575       % True: nothing to do it is already occupied.
4576     }{
4577       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s

```

```

4578 }
4579
4580 \addtoamertemplate{footline}{}{
4581   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
4582     \usebeamertemplate*{mini~nav~progress~head/foot}
4583   }{}
4584 }
4585 }
4586 },
4587 mini~frames~nav~position / left .code:n = {
4588   %
4589   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
4590     % True: nothing to do it is already done.
4591   }{
4592     % False : remember that choice in order to do not apply it several time and add to beamer
4593     \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {left}
4594
4595     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4596       % True: nothing to do it is already occupied.
4597     }{
4598       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4599     }
4600     % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4601     % % True: nothing to do it is already occupied.
4602     % }{
4603     % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4604     % }
4605     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4606       % True: nothing to do it is already occupied.
4607     }{
4608       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4609     }
4610     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4611       % True: nothing to do it is already occupied.
4612     }{
4613       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4614     }
4615     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4616       % True: nothing to do it is already occupied.
4617     }{
4618       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4619     }
4620
4621     %
4622     \addtoamertemplate{sidebar~left}{}{
4623       \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
4624         \usebeamertemplate*{mini~nav~progress~left}
4625       }{}
4626     }
4627   }
4628 },
4629 mini~frames~nav~position / right .code:n = {
4630   %
4631   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {

```

```

4632 % True: nothing to do it is already done.
4633 }{
4634 % False : remember that choice in order to do not apply it several time and add to beamer
4635 \tl_set:Nn \l__gotham_out_tmp_mfnposi_tl {right}
4636
4637 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
4638 % True: nothing to do it is already occupied.
4639 }{
4640 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
4641 }
4642 % \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
4643 % % True: nothing to do it is already occupied.
4644 % }{
4645 % \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fr
4646 % }
4647 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
4648 % True: nothing to do it is already occupied.
4649 }{
4650 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
4651 }
4652 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
4653 % True: nothing to do it is already occupied.
4654 }{
4655 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
4656 }
4657 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
4658 % True: nothing to do it is already occupied.
4659 }{
4660 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
4661 }
4662
4663 %
4664 \addtobeamertemplate{sidebar~right}{}{
4665 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
4666 \usebeamertemplate*{mini~nav~progress~right}
4667 }{
4668 }
4669 }
4670 },
4671
4672 mini~frames~nav~position / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~
4673 }

```

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

Progress bar

`\gothamProgressHeadFootLineheight` Lengths used in tikz rectangle.

```

4674 \newlength{\gotham@progressinheadfoot}
4675 \newlength{\gothamProgressHeadFootLineheight}
4676 \setlength{\gothamProgressHeadFootLineheight}{1.2ex}

```

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

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

```
4677 \bool_new:N \l_gotham_ProgCircleMoving_bool
4678 \bool_set_true:N \l_gotham_ProgCircleMoving_bool
4679
4680 \bool_new:N \l_gotham_progbar_advancement_tlbr_bool
4681 \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
4682
4683 \bool_new:N \l_gotham_pmf_n_bool
4684 \bool_set_false:N \l_gotham_pmf_n_bool
```

*(End of definition for `\l_gotham_ProgCircleMoving_bool`, `\l_gotham_progbar_advancement_tlbr_bool`,  
and `\l_gotham_pmf_n_bool`. These variables are documented on page ??.)*



---

---

\\\_gotham\_rectangle\_box\_progressbar:n

#1 : width of the progress bar.

Command to draw a rectangular progress bar that can go from left to right or the opposite and that can include a navigation miniframes bar.

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

```
4685 % #1: 'linewidth'
4686 \cs_new_protected:Npn \\_gotham_rectangle_box_progressbar:n #1
4687 {
4688 %
4689 \setlength{\gotham@progressinheadfoot}{
4690 #1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
4691 }
4692
4693 %
4694 \begin{beamercolorbox}[wd=#1]{progress~bar~in~head/foot}
4695 \begin{tikzpicture}
4696 \usebeamercolor{progress~bar~in~head/foot}
4697
4698 % gray rectangle in the background.
4699 \fill[color=progress~bar~in~head/foot.bg]
4700 (Opt, Opt) rectangle ++ (#1, \gothamProgressHeadFootLineheight)
4701 ;
4702
4703 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
4704 % from left to right
4705 % orange rectangle progressing
4706 \fill[color=progress~bar~in~head/foot.fg]
4707 (Opt, Opt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
4708 ;
4709 }{
4710 % from right to left
4711 % orange rectangle progressing
4712 \fill[color=progress~bar~in~head/foot.fg]
4713 (#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\go
4714 ;
4715 }
4716
4717 \bool_if:NTF \l_gotham_pmf_n_bool {
4718 % progress miniframes navigation is on.
4719 \node at (#1/2, \gothamProgressHeadFootLineheight/2)
4720 [text-height=0.1pt, text-depth=0.05pt, inner-sep=0pt] %draw=red,
4721 {
4722 \usebeamercolor[fg]{normal~text}
4723 % \fontsize{3.5pt}{0pt}\selectfont
4724 \raisebox{0.5\gothamProgressHeadFootLineheight+1.4pt}[0pt][0pt]{
4725 %\dohead
4726 \hfuzz=#1
4727 \insertnavigation{#1}
4728 }
4729 }
4730 ;
4731 }{
4732 % false
4733 % nothing to do since progress miniframes navigation is off.
4734 }
4735 \end{tikzpicture}
4736 \end{beamercolorbox}
4737 }
```

progress-bar-in-head/foot}{gotham-rectangle}

template displaying the progress bar in head, frametitle or footline.

The following test files are used for this code: *gotham-test-046*, *gotham-test-046b*, *gotham-test-047*, *gotham-test-048*.

```
4738 \defbeamertemplate{progress-bar~in-head/foot}{gotham-rectangle}{
4739 \nointerlineskip
4740 \_gotham_rectangle_box_progressbar:n {\paperwidth}
4741 }
```

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

progress-bar-in-left/right}{gotham-rectangle}

template displaying the progress bar in left or right.

The following test files are used for this code: *gotham-test-046*, *gotham-test-046b*, *gotham-test-047*, *gotham-test-048*.

```
4742 \defbeamertemplate{progress-bar~in-left}{gotham-rectangle}{
4743 \nointerlineskip
4744
4745 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4746 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle@height}
4747
4748 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\gotham@temp@heightFrametitle}
4749
4750 \vspace{0.12275\paperheight}
4751 \rotatebox{90}{
4752 \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
4753 }
4754 }
4755 \defbeamertemplate{progress-bar~in~right}{gotham-rectangle}{
4756 \nointerlineskip
4757
4758 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4759 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle@height}
4760
4761 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-\gotham@temp@heightFrametitle}
4762
4763 \hspace{-\gothamProgressHeadFootLineheight}
4764 \vspace{\gotham@temp@heightFrametitle-27.75pt}
4765 \rotatebox{-90}{
4766 \_gotham_rectangle_box_progressbar:n {\gotham@temp@PaperheightFrametitle}
4767 }
4768 }
```

(End of definition for `\defbeamertemplate{progress-bar-in-left/right}{gotham-rectangle}`. This function is documented on page ??.)

---

---

`\_gotham_rounded_box_progressbar:nnnn`

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

`#2` : ratio progressbar/extra command

`#3` : colorbox name

`#4` : extra command

Command to draw a rounded box progress bar that can go from left to right or the opposite and that can include a navigation miniframes bar. The fourth argument is a command to control what to display at the right side of the rounded box.

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

```
4769 % #1: 'linewidth'
4770 % #2: ratio of the progress bar
4771 % #3: colorbox name
4772 % #4: command for percent of progress
4773 \cs_new_protected:Npn \_gotham_rounded_box_progressbar:nnnn #1#2#3#4
4774 {
4775   \setlength{\gotham@progressinheadfoot}{
4776     #2#1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}
4777   }
4778
4779   % 1.035\gothamProgressHeadFootLineheight is to include the border inside the box.
4780   \begin{beamercolorbox}[wd=#1, ht=1.035\gothamProgressHeadFootLineheight]{#3}
4781     \; \hfill
4782     %\tikzexternaldisable%
4783     \begin{tikzpicture}[rounded~corners=0.5\gothamProgressHeadFootLineheight, very~thin]
4784       \usebeamercolor{progress~bar~in~head/foot}
4785
4786       % gray rectangle in the background.
4787       \shade[top~color=progress~bar~in~head/foot.bg!65, bottom~color=progress~bar~in~head/foot.
4788         (Opt, Opt) rectangle ++ (#2#1, \gothamProgressHeadFootLineheight)
4789       ;
4790
4791       \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
4792         % from left to right
4793         % orange rectangle progressing
4794         \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
4795         (Opt, Opt) rectangle ++ (\gotham@progressinheadfoot, \gothamProgressHeadFootLineheight)
4796       ;
4797       }{
4798         % from right to left
4799         % orange rectangle progressing
4800         \shade[draw=progress~bar~in~head/foot.fg, top~color=progress~bar~in~head/foot.fg!70, bot
4801         (#2#1, \gothamProgressHeadFootLineheight) rectangle ++ (-\gotham@progressinheadfoot, -\
4802       ;
4803       }
4804
4805       \bool_if:NTF \l_gotham_pmf_n_bool {
4806         % progress miniframes navigation is on.
4807         \node at (#2#1/2, \gothamProgressHeadFootLineheight/2)
4808         [text~height=0.1pt, text~depth=0.05pt, inner~sep=0pt] %draw=red,
4809         {
4810           \usebeamercolor[fg]{normal~text}
4811           % \fontsize{3.5pt}{0pt}\selectfont
4812           \raisebox{0.5\gothamProgressHeadFootLineheight+1.4pt}[0pt][0pt]{
4813             \hfuzz=#2#1           115
4814             %\dohead
4815             \insertnavigation{#2#1}
4816           }
4817         }
4818       ;
4819     }{
4820       % false
4821       % 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*.

```
4829 \defbeamertemplate{progress-bar-in-head/foot}{gotham-rounded-box}{
4830 \nointerlineskip
4831 \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.93}{footline}{
4832 \hfill
4833 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
4834 \fontsize{5pt}{0pt}\selectfont
4835 \usebeamercolor[fg]{normal~text}
4836 \fp_eval:n {round(\insertframenummer*100/\inserttotalframenummer,0)}\,\,%
4837 }
4838 }
4839 % \_gotham_rounded_box_progressbar:nnnn {\paperwidth}{0.53}{progress-bar-in-head/foot}{}
4840 }
```

(End of definition for `\defbeamertemplate{progress-bar-in-head/foot}{gotham-rounded-box}`. This function is documented on page ??.)

progress-bar-in-left/right}{gotham-rounded-box}

template displaying the progress bar in left or right sidebar.

The following test files are used for this code: *gotham-test-046*, *gotham-test-046b*, *gotham-test-047*, *gotham-test-048*.

```
4841 \defbeamertemplate{progress-bar-in~left}{gotham-rounded-box}{
4842 \nointerlineskip
4843
4844 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4845 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle-
4846
4847 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-
4848
4849 \vspace{0.12275\paperheight}
4850 % \hspace{\gothamProgressHeadFootLineheight}
4851 \rotatebox{90}{
4852 \_gotham_rounded_box_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline
4853 \hfill
4854 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
4855 \fontsize{5pt}{0pt}\selectfont
4856 \fp_eval:n {round(\insertframenummer*100/\inserttotalframenummer,0)}\,\,%
4857 }
4858 }
4859 }
4860 }
4861 \defbeamertemplate{progress-bar-in-right}{gotham-rounded-box}{
4862 \nointerlineskip
4863
4864 \settoheight{\gotham@temp@heightFrametitle}{\gotham@strut}
4865 \addtolength{\gotham@temp@heightFrametitle}{\gotham@frametitle@toppadding+\gotham@frametitle-
4866
4867 \setlength{\gotham@temp@PaperheightFrametitle}{\paperheight-\gotham@temp@heightFrametitle-
4868
4869 \hspace{-\gothamProgressHeadFootLineheight-0.2pt}
4870 \vspace{\gotham@temp@heightFrametitle-27.75pt}
4871 \rotatebox{-90}{
```

```

4872 \__gotham_rounded_box_progressbar:nnnn {\gotham@temp@PaperheightFrametitle}{0.89}{footline
4873 \hfill
4874 \raisebox{0.5\gothamProgressHeadFootLineheight-1.75pt}[0pt][0pt]{
4875 \fontsize{5pt}{0pt}\selectfont
4876 \fp_eval:n {round(\insertframenummer*100/\inserttotalframenummer,0)}\,\,%
4877 }
4878 }
4879 }
4880 }

```

(End of definition for `\defbeamertemplate{progress-bar-in-left/right}{gotham-rounded-box}`. This function is documented on page ??.)

```

\gothamProgressCircHeight Lengths used in tikz rectangle.
\gothamCounterCircleRadius 4881 %the height of the header is 1.8 times the lineheight of the frame title
\gothamProgressCircBorderWidth 4882 \newlength{\gothamProgressCircHeight}
4883 \setlength{\gothamProgressCircHeight}{1.8\baselineskip}
4884 %\setlength{\gothamProgressCircHeight}{2\baselineskip}
4885 \newlength{\gothamCounterCircleRadius}
4886 \setlength{\gothamCounterCircleRadius}{1.12ex}
4887 % width of the border
4888 \newlength{\gothamProgressCircBorderWidth}
4889 \setlength{\gothamProgressCircBorderWidth}{1.65mm}
4890
4891 %% Induced length used internally, but can still be tuned manually by inspired people.
4892 % radius of the logo
4893 \newlength{\gothamProgressCircLogoRadius}
4894 \setlength{\gothamProgressCircLogoRadius}{1.2\gothamProgressCircHeight/2}
4895 % inner radius of border of the logo frame
4896 \newlength{\gothamProgressCircLogoInnerRadius}
4897 \setlength{\gothamProgressCircLogoInnerRadius}{1.1\gothamProgressCircLogoRadius}
4898 % radius of the outer border of the logo frame
4899 \newlength{\gothamProgressCircLogoOuterRadius}
4900 \setlength{\gothamProgressCircLogoOuterRadius}{\gothamProgressCircLogoInnerRadius+\gothamPro
4901 % radius of the counters
4902 \newlength{\gothamCounterRadius}
4903 \setlength{\gothamCounterRadius}{\gothamProgressCircLogoInnerRadius/2+\gothamProgressCircLogo

```

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

```

\l_gotham_ratio_progresscircle_fp angle ratio of the progress in degree and angle of the counter circle intercepted by the
\l_gotham_angle_counterradius_fp half of the border.
4904 % \fp_new:N \l_gotham_ratio_progress_fp
4905 \fp_new:N \l_gotham_ratio_progresscircle_fp
4906 % the angle token by the counter radius
4907 \fp_new:N \l_gotham_angle_counterradius_fp
4908 % requires xfp for asind
4909 \fp_set:Nn \l_gotham_angle_counterradius_fp {
4910 \fp_eval { 2* asind (\gothamCounterCircleRadius / (2*\gothamCounterRadius)) }
4911 }

```

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

---

---

`\gothamInstituteLogoCircle[#1]`

`#1` : height of the picture

Command to be redefined by users.

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

```
4912 \newcommand{\gothamInstituteLogoCircle}[1][4ex]{  
4913   \includegraphics[height=#1]{gotham-logo.pdf}  
4914 }
```

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

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

```
4915 \newcommand{\gothamProgressCircle}{
4916 % \tikzexternaldisable
4917 \begin{tikzpicture}[remember~picture,overlay]
4918 % Load colors
4919 \usebeamercolor{standin}
4920 \usebeamercolor{frametitle}
4921 \usebeamercolor{progress~bar~in~head/foot}
4922
4923 % Define center
4924 \coordinate (localCenter);
4925 % draw the outer circle
4926 \fill[fill=progress~bar~in~head/foot.bg] (localCenter) circle (\gothamProgressCircLogoRadius);
4927 % draw the inner circle
4928 \fill[fill=frametitle.bg] (localCenter) circle (\gothamProgressCircLogoInnerRadius);
4929 \node at (localCenter) {\gothamInstituteLogoCircle[1.9\gothamProgressCircLogoRadius]};
4930
4931 %% draw progress circle/bar
4932 \bool_if:NTF \l_gotham_ProgCircleMoving_bool {
4933 % the circular counter with a moving counter
4934
4935 %% compute the angle for the progress circle
4936 \bool_if:NTF \l_gotham_progbar_advancement_tlbr_bool {
4937 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {-(360)*\insertframenum/\inserttotalframes}
4938 }{
4939 %\else% clockwise rotation
4940 \fp_set:Nn \l_gotham_ratio_progresscircle_fp {(360)*(\insertframenum/\inserttotalframes)}
4941 }
4942 %\fi
4943
4944 % draw the arc progress bar
4945 \draw[
4946 color=progress~bar~in~head/foot.fg,
4947 line~width=0.6*\gothamProgressCircBorderWidth
4948 ]
4949 (localCenter)
4950 ++
4951 ([
4952 xshift=\gothamCounterRadius
4953 ]localCenter)
4954 arc[
4955 radius=\gothamCounterRadius,
4956 start~angle=0,
4957 end~angle={\fp_eval:n \l_gotham_ratio_progresscircle_fp}
4958 ]
4959 ;
4960
4961 % draw a point at the beginning of the progress circle
4962 \fill[fill=frametitle.bg]
4963 ([
4964 xshift={\gothamCounterRadius}
4965 ]localCenter.center)
4966 circle (0.3*\gothamProgressCircBorderWidth)
4967 ;
4968 % place the current frame number
4969 \node[
4970 % fill=standin.bg, draw=progress~bar~in~head/foot.bg, thick, circle, minimum~width={\gothamCounterRadius}
4971 ]
4972 (pagenumframe) at (
4973 [rotate=
4974 {\fp_eval:n {\l_gotham_ratio_progresscircle_fp}},
4975 xshift=\gothamCounterRadius,
```

outer\_key\_ interface Controls the outer settings for progress bar.

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

```
5071 % token list to remember what is the current state
5072 \tl_new:N \l__gotham_out_tmp_pbar_tl
5073 \keys_define:nn { gotham / outer }{
5074 % progressbar~position default
5075 progressbar~position .choice:,
5076 progressbar~position .usage:n = { general },
5077 progressbar~position .default:n = { none },
5078
5079 progressbar~position / none .code:n = {
5080 % reset if it has modified by another progressbar~position strategy
5081 % \__gotham_set_prop_template:nn{sidebar~canvas~right/default}{#1}
5082 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {none}
5083
5084 % head
5085 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5086 % True: nothing to do it is already occupied.
5087 }{
5088 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headline}]
5089 }
5090 % frametitle
5091 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5092 % % True: nothing to do it is already occupied.
5093 % }{
5094 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {frametitle}]
5095 % }
5096 % foot
5097 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5098 % True: nothing to do it is already occupied.
5099 }{
5100 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footline}]
5101 }
5102 % left
5103 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5104 % True: nothing to do it is already occupied.
5105 }{
5106 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~left}]
5107 }
5108 % right
5109 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5110 % True: nothing to do it is already occupied.
5111 }{
5112 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {sidebar~right}]
5113 }
5114
5115 % logo
5116 \__gotham_set_prop_template:nn{includeLogo/default}{gotham~square}
5117 % section in head
5118 \setbeamertemplate{section~in~head/foot~shaded}[default/\prop_item:Nn \l__gotham_template_name_prop {section~in~head/foot~shaded}]
5119 \setbeamertemplate{section~in~head/foot}[default/\prop_item:Nn \l__gotham_template_name_prop {section~in~head/foot}]
5120 },
5121 progressbar~position / head .code:n = {
5122 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
```



```

5123 % True: nothing to do it is already done.
5124 } {
5125 % False : remember that choice in order to do not apply it several time and add to beamer
5126 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {head}
5127
5128 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5129 % True: nothing to do it is already occupied.
5130 }{
5131 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5132 }
5133 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5134 % % True: nothing to do it is already occupied.
5135 % }{
5136 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5137 % }
5138 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5139 % True: nothing to do it is already occupied.
5140 }{
5141 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5142 }
5143 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5144 % True: nothing to do it is already occupied.
5145 }{
5146 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5147 }
5148 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5149 % True: nothing to do it is already occupied.
5150 }{
5151 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5152 }
5153
5154 %
5155 \addtobeamertemplate{headline}{}{
5156 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {head} {
5157 \usebeamertemplate*{progress-bar-in-head/foot}
5158 }{}
5159 }
5160 }
5161 },
5162 progressbar~position / frametitle .code:n = {
5163 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5164 % True: nothing to do it is already done.
5165 } {
5166 % False : remember that choice in order to do not apply it several time and add to beamer
5167 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {frametitle}
5168
5169 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5170 % True: nothing to do it is already occupied.
5171 }{
5172 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5173 }
5174 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5175 % % True: nothing to do it is already occupied.
5176 % }{

```

```

5177     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5178     % }
5179     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5180     % True: nothing to do it is already occupied.
5181     }{
5182     \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5183     }
5184     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5185     % True: nothing to do it is already occupied.
5186     }{
5187     \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5188     }
5189     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5190     % True: nothing to do it is already occupied.
5191     }{
5192     \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5193     }
5194
5195     %
5196     \addtobeamertemplate{frametitle}{}{
5197     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {frametitle} {
5198     \usebeamertemplate*{progress~bar~in~head/foot}
5199     }{}
5200     }
5201     }
5202     },
5203     progressbar~position / foot .code:n = {
5204     \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5205     % True: nothing to do it is already done.
5206     } {
5207     % False : remember that choice in order to do not apply it several time and add to beamer
5208     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {footline}
5209
5210     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5211     % True: nothing to do it is already occupied.
5212     }{
5213     \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5214     }
5215     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5216     % % True: nothing to do it is already occupied.
5217     % }{
5218     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5219     % }
5220     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5221     % True: nothing to do it is already occupied.
5222     }{
5223     \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5224     }
5225     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5226     % True: nothing to do it is already occupied.
5227     }{
5228     \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5229     }
5230     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {

```

```

5231 % True: nothing to do it is already occupied.
5232 }{
5233 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5234 }
5235
5236 %
5237 \addtobeamertemplate{footline}{}{
5238 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {footline} {
5239 \usebeamertemplate*{progress~bar~in~head/foot}
5240 }{}
5241 }
5242 }
5243 },
5244 progressbar~position / circlehead .code:n = {
5245 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5246 % True: nothing to do it is already done.
5247 } {
5248 % False : remember that choice in order to do not apply it several time and add to beamer
5249 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {circlehead}
5250
5251 %
5252 %%\prop_put:Nnn \l__gotham_template_name_SAVE_prop {includeLogo/default} {gotham~square}
5253 \__gotham_set_prop_template:nn{includeLogo/default}{gotham~circle}
5254 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/gotham~secSubsec}
5255 \__gotham_set_template:nn{section~in~head/foot}{default/gotham~secSubsec}
5256 % \__gotham_set_template:nn{headline}{default/gotham~section}
5257 % \setbeamertemplate{headline}[default/gotham~section]
5258
5259 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5260 % True: it is already occupied, so let's emulate the gotham section
5261 \addtobeamertemplate{headline}{}{
5262 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {circlehead} {
5263 \begin{beamercolorbox}[wd=1.0\paperwidth, ht=2.5ex, dp=1.4ex, left]{headfoot}
5264 \usebeamerfont{section~in~head/foot}\hspace*{3.5ex}
5265 \usebeamertemplate{section~in~head/foot}
5266 \end{beamercolorbox}
5267 }{}
5268 }
5269 }{
5270 % \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {head
5271 \__gotham_set_template:nn{headline}{default/gotham~section}
5272 }
5273 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5274 % % True: nothing to do it is already occupied.
5275 % }{
5276 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5277 % }
5278 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5279 % True: nothing to do it is already occupied.
5280 }{
5281 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5282 }
5283 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5284 % True: nothing to do it is already occupied.

```

```

5285   }{
5286     \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5287   }
5288   \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5289     % True: nothing to do it is already occupied.
5290   }{
5291     \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5292   }
5293   }
5294 },
5295 progressbar~position / left .code:n = {
5296   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5297     % True: nothing to do it is already done.
5298   } {
5299     % False : remember that choice in order to do not apply it several time and add to beamer
5300     \tl_set:Nn \l__gotham_out_tmp_pbar_tl {left}
5301
5302     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5303       % True: nothing to do it is already occupied.
5304     }{
5305       \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5306     }
5307     % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5308     % % True: nothing to do it is already occupied.
5309     % }{
5310     \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5311     % }
5312     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5313       % True: nothing to do it is already occupied.
5314     }{
5315       \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5316     }
5317     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5318       % True: nothing to do it is already occupied.
5319     }{
5320       \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5321     }
5322     \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5323       % True: nothing to do it is already occupied.
5324     }{
5325       \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5326     }
5327
5328     %
5329     \addtoamertemplate{sidebar~left}{}{
5330       \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {left} {
5331         \usebeamertemplate*{progress~bar~in~left}
5332       }{}
5333     }
5334   }
5335 },
5336 progressbar~position / right .code:n = {
5337   \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5338     % True: nothing to do it is already done.

```

```

5339 } {
5340 % False : remember that choice in order to do not apply it several time and add to beamer
5341 \tl_set:Nn \l__gotham_out_tmp_pbar_tl {right}
5342
5343 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {head} {
5344 % True: nothing to do it is already occupied.
5345 }{
5346 \setbeamertemplate{headline}[default/\prop_item:Nn \l__gotham_template_name_prop {headli
5347 }
5348 % \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {frametitle} {
5349 % % True: nothing to do it is already occupied.
5350 % }{
5351 \setbeamertemplate{frametitle}[default/\prop_item:Nn \l__gotham_template_name_prop {fram
5352 % }
5353 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {foot} {
5354 % True: nothing to do it is already occupied.
5355 }{
5356 \setbeamertemplate{footline}[default/\prop_item:Nn \l__gotham_template_name_prop {footli
5357 }
5358 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {left} {
5359 % True: nothing to do it is already occupied.
5360 }{
5361 \setbeamertemplate{sidebar~left}[default/\prop_item:Nn \l__gotham_template_name_prop {si
5362 }
5363 \tl_if_eq:VnTF \l__gotham_out_tmp_mfnposi_tl {right} {
5364 % True: nothing to do it is already occupied.
5365 }{
5366 \setbeamertemplate{sidebar~right}[default/\prop_item:Nn \l__gotham_template_name_prop {s
5367 }
5368 %
5369 %
5370 \addtobeamertemplate{sidebar~right}{}{
5371 \tl_if_eq:VnTF \l__gotham_out_tmp_pbar_tl {right} {
5372 \usebeamertemplate*{progress~bar~in~right}
5373 }{
5374 }
5375 }
5376 },
5377
5378 progressbar~position / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~u
5379 }

```

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

`outer_key_□_□interface` Controls the outer settings for progress bar style.

The following test files are used for this code: *gotham-test-049*.

```

5380 % token list to remember what is the current state
5381 \keys_define:nn { gotham / outer }{
5382 % progressbar~style default
5383 progressbar~style .choice:,
5384 progressbar~style .usage:n = { general },
5385 progressbar~style .default:n = { rectangle },
5386
5387 progressbar~style / rectangle .code:n = {

```

```

5388 %
5389 % \defbeamertemplate*{progress-bar-in-head/foot}{gotham-rectangle}
5390 \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rectangle}
5391 \__gotham_set_template:nn{progress-bar-in-left}{gotham-rectangle}
5392 \__gotham_set_template:nn{progress-bar-in-right}{gotham-rectangle}
5393 },
5394
5395 progressbar~style / rounded-box .code:n = {
5396 %
5397 \__gotham_set_template:nn{progress-bar-in-head/foot}{gotham-rounded-box}
5398 \__gotham_set_template:nn{progress-bar-in-left}{gotham-rounded-box}
5399 \__gotham_set_template:nn{progress-bar-in-right}{gotham-rounded-box}
5400 },
5401
5402 progressbar~style / moving-circle .code:n = {
5403 %
5404 \bool_set_true:N \l_gotham_ProgCircleMoving_bool
5405 },
5406
5407 progressbar~style / fixed-circle .code:n = {
5408 %
5409 \bool_set_false:N \l_gotham_ProgCircleMoving_bool
5410 },
5411
5412 progressbar~style / unknown .code:n = { \PackageWarning{ gotham } { The-choice-#1'-is-unknown } }
5413 }

```

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

`outer_key_interface`

Controls the outer settings for progress bar style.

*The following test files are used for this code: gotham-test-049.*

```

5414 % token list to remember what is the current state
5415 \keys_define:nn { gotham / outer }{
5416 % progressbar~advancement default
5417 progressbar~advancement .choice:,
5418 progressbar~advancement .usage:n = { general },
5419 progressbar~advancement .default:n = { tlbr },
5420
5421 progressbar~advancement / tlbr .code:n = {
5422 %
5423 \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5424 },
5425 progressbar~advancement / TLBR .code:n = {
5426 %
5427 \bool_set_true:N \l_gotham_progbar_advancement_tlbr_bool
5428 },
5429
5430 progressbar~advancement / brlt .code:n = {
5431 %
5432 \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool
5433 },
5434 progressbar~advancement / BRLT .code:n = {
5435 %
5436 \bool_set_false:N \l_gotham_progbar_advancement_tlbr_bool

```

```

5437 },
5438
5439 progressbar~advancement / unknown .code:n = { \PackageWarning{ gotham } { The~choice-~'#1'-i
5440 }

```

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

`outer_key_~interface` Controls the outer settings for progress bar style.

*The following test files are used for this code: gotham-test-049.*

```

5441 % token list to remember what is the current state
5442 \keys_define:nn { gotham / outer }{
5443 % progressbar~mfndefault
5444 progressbar~mfndefault,
5445 progressbar~mfndefault .usage:n = { general },
5446 progressbar~mfndefault .default:n = { off },
5447
5448 progressbar~mfndefault / true .code:n = {
5449 \bool_set_true:N \l_gotham_pmfndefault_bool
5450
5451 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5452 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5453 \renewcommand{\gothamPatchSectionbox}{
5454 % patch to set section box height to 0.
5455 \ht\beamer@sectionbox=0.ex
5456 \dp\beamer@sectionbox=0.ex
5457 }
5458 },
5459 progressbar~mfndefault / on .code:n = {
5460 \bool_set_true:N \l_gotham_pmfndefault_bool
5461
5462 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5463 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5464 \renewcommand{\gothamPatchSectionbox}{
5465 % patch to set section box height to 0.
5466 \ht\beamer@sectionbox=0.ex
5467 \dp\beamer@sectionbox=0.ex
5468 }
5469 },
5470 progressbar~mfndefault / enable .code:n = {
5471 \bool_set_true:N \l_gotham_pmfndefault_bool
5472
5473 \__gotham_set_template:nn{section~in~head/foot~shaded}{default/empty}
5474 \__gotham_set_template:nn{section~in~head/foot}{default/empty}
5475 \renewcommand{\gothamPatchSectionbox}{
5476 % patch to set section box height to 0.
5477 \ht\beamer@sectionbox=0.ex
5478 \dp\beamer@sectionbox=0.ex
5479 }
5480 },
5481
5482 progressbar~mfndefault / false .code:n = { \bool_set_false:N \l_gotham_pmfndefault_bool },
5483 progressbar~mfndefault / off .code:n = { \bool_set_false:N \l_gotham_pmfndefault_bool },
5484 progressbar~mfndefault / disable .code:n = { \bool_set_false:N \l_gotham_pmfndefault_bool },
5485

```

```

5486 progressbar~mfn / unknown .code:n = { \PackageWarning{ gotham } { The~choice~'#1'~is~unknown
5487 }

```

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

**Default\_outer\_keys** Apply default key options.

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

```

5488 % when no value is given, default is called.
5489 \keys_set:nn { gotham / outer } {
5490 sidebar~canvas~right~template, sidebar~canvas~left~template,
5491 edging~default,
5492 frametitle~template, framesubtitle~template, frametitle~continuation~template,
5493 numbering,
5494 rotateFooter~default,
5495 footer~template,
5496 mini~frames~shape, mini~frames~bundle,
5497 mini~frames~compress,
5498 mini~frames~nav~spreading,
5499 mini~frames~nav~sectioning,
5500 mini~frames~nav~position,
5501 progressbar~position, progressbar~style, progressbar~advancement, progressbar~mfn,
5502 }

```

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

**Process\_outer\_keys** Process package options.

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

```

5503 \ProcessKeyOptions[ gotham / outer ]
5504 % \mode<all>

```

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

```

5505 %\endinput
5506 </outer>

5507 <*package>
5508 \RequirePackage{expl3}
5509 \RequirePackage{xparse}
5510 % \RequirePackage{ifxetex}
5511 % \RequirePackage{ifluatex}
5512 % \RequirePackage{etoolbox}
5513 % \RequirePackage{xcolor}
5514 % \RequirePackage{tikz}
5515 % \RequirePackage{calc} % I think I can remove it with a bit of work
5516 % \RequirePackage{xfp}

5517 %%%%%%%%%%%
5518 %%%%%%%%%%% PACKAGE %%%%%%%%%%%
5519 %%%%%%%%%%%
5520 %
5521 %
5522 %
5523 \providecommand\ifratio[3]{%
5524 \ifnum#1=169%
5525 \ifdim\beamer@paperwidth=16.00cm\relax%

```



```

5526 \ifdim\beamer@paperheight=9.00cm\relax%
5527 #2%
5528 \else%
5529 #3%
5530 \fi%
5531 \else%
5532 #3%
5533 \fi%
5534 \else%
5535 \ifnum#1=43%
5536 \ifdim\beamer@paperwidth=12.80cm\relax%
5537 \ifdim\beamer@paperheight=9.60cm\relax%
5538 #2%
5539 \else%
5540 #3%
5541 \fi%
5542 \else%
5543 #3%
5544 \fi%
5545 \fi%
5546 \fi%
5547 }
5548 \providecommand\ifscreenratio[2]{%
5549 \ifdim\beamer@paperwidth=16.00cm\relax%
5550 \ifdim\beamer@paperheight=9.00cm\relax%
5551 #1%
5552 \fi%
5553 \fi%
5554 \ifdim\beamer@paperwidth=12.80cm\relax%
5555 \ifdim\beamer@paperheight=9.60cm\relax%
5556 #2%
5557 \fi%
5558 \fi%
5559 }

```

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

```

5560
5561 %
5562 \usefonttheme{gotham}
5563 \usecolortheme{gotham}
5564 \useinnertheme{gotham}
5565 \useoutertheme{gotham}
5566 %
5567 %
5568 %
5569
5570 %%% Setting keys %%%
5571
5572 % set new counter for how many time the lookup is used
5573 \int_new:N \l_gotham_lookup_cnt
5574 \int_set:Nn \l_gotham_lookup_cnt {0}
5575
5576 \seq_const_from_clist:Nn \c__gotham_load_submodules_seq { font, color, inner, outer }
5577

```

```

5578 \cs_new_protected:Npn \__gotham_lookup_keymodules:nn #1#2
5579 {
5580   \int_incr:N \l_gotham_lookup_cnt
5581   % \int_show:n \l_gotham_lookup_cnt
5582
5583   % if lookup counter is lower than the number of submodules-1 [before it was +1, not complet
5584   \if_int_compare:w \l_gotham_lookup_cnt < 2
5585     %true : do nothing
5586   \else:
5587     % \int_show:n \l_gotham_lookup_cnt
5588     \seq_map_inline:Nn \c__gotham_load_submodules_seq
5589     {
5590       \keys_if_exist:nnT { gotham / ##1 } {#1}
5591       {
5592         % missing feature in l3keys, we have no better way to detect an omitted value, so we hav
5593         \tl_if_empty:nTF {#2}
5594         { \keys_set:nn { gotham / ##1 } { #1 } }
5595         { \keys_set:nn { gotham / ##1 } { #1 = {#2} } }
5596         \prg_break:
5597       }
5598     }
5599     \msg_error:nnn { gotham } { unknown-key } {#1}
5600     \prg_break_point:
5601   \fi:
5602 }
5603 \cs_generate_variant:Nn \__gotham_lookup_keymodules:nn { Vn }
5604 \msg_new:nnn { gotham } { unknown-key } { Unknown~ key~ #1~ encountered. }
5605
5606 % Property list for all groups.
5607 \prop_new:N \l__gotham_all_all_user_keys_prop
5608 \prop_const_from_keyval:Nn \c__gotham_all_pkg_keys_prop {}
5609
5610 \keys_define:nn { gotham / all / all }
5611 {
5612   unknown .code:n =
5613   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5614 }
5615
5616 % Set default keys/options from keyval
5617 % \__gotham_set_default_from_keyval: variant, keyval, group command
5618 \cs_new_protected:Npn \__gotham_set_default_from_keyval:nnn #1 #2 #3
5619 { %%
5620 % Check if keyvalues have been given.
5621 \tl_if_novalue:nTF {#2}
5622 { % no user keys given so _user_keys_prop is taking pkg prop
5623   \prop_set_eq:cc { l__gotham_#3_#1_user_keys_prop } { c__gotham_#3_pkg_keys_prop }
5624 }{ % user key given and put it in prop
5625   \prop_put_from_keyval:cn { l__gotham_#3_#1_user_keys_prop } {#2}
5626 }% end if
5627 %
5628 % xx
5629 \__gotham_set_default_auxi:cn { l__gotham_#3_#1_user_keys_prop } {#1} {#3}
5630 %
5631 % xx

```

```

5632 \keys_set:nn { gotham/#3/#1 } { default }
5633 }
5634 %
5635 % prop-key-val, variant, group command
5636 \cs_new_protected:Npn \__gotham_set_default_auxi:Nnn #1 #2 #3
5637 {
5638   \__gotham_set_default_auxii:fnn { \prop_to_keyval:N #1 } {#2} {#3}
5639 }
5640 \cs_generate_variant:Nn \__gotham_set_default_auxi:Nnn { c }
5641 %
5642 % key-val, variant, group command
5643 \cs_new_protected:Npn \__gotham_set_default_auxii:nnn #1 #2 #3
5644 {
5645   \keys_define:nn { gotham/#3/#2 } { default .meta:n = {#1} }
5646 }
5647 \cs_generate_variant:Nn \__gotham_set_default_auxii:nnn { f }
5648 %
5649 %
5650 % (re)set keys/options by default for a group of commands.
5651 % \gothamset m:options:#1
5652 \DeclareDocumentCommand{\gothamset}{m}
5653 {
5654   \__gotham_set_default_from_keyval:nnn { all } {#1} { all }
5655   \keys_set:nn { gotham/all/all } { default }
5656 }
5657
5658 \def\gotham@plaintitleformat#1{#1}
5659 \newcommand{\mreducelistspacing}{\vspace{-\topsep}}
5660
5661 \ProcessOptionsBeamer
5662 \keys_define:nn { gotham / font }
5663 {
5664   unknown .code:n =
5665   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5666 }
5667 \keys_define:nn { gotham / color }
5668 {
5669   unknown .code:n =
5670   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5671 }
5672 \keys_define:nn { gotham / inner }
5673 {
5674   unknown .code:n =
5675   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5676 }
5677 \keys_define:nn { gotham / outer }
5678 {
5679   unknown .code:n =
5680   {\__gotham_lookup_keymodules:Vn \l_keys_key_str {#1}}
5681 }
5682
5683 \ProcessKeyOptions[ gotham / font ]
5684 \ProcessKeyOptions[ gotham / color ]
5685 \ProcessKeyOptions[ gotham / inner ]

```

```
5686 \ProcessKeyOptions[ gotham / outer ]
5687
5688 %
5689 %\endinput
5690 \</package>
```