Gotham

A Modern, versatile and extendable theme for Beamer

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Center for modern beamer themes

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1. Introduction: Beamer

Title page

The Title page is printed using the command:

\maketitle

The element printed on this page are defined in the preamble by

```
\title[]{Gotham}
\subtitle{A Modern, versatile and extendable theme for Beamer
\date[]{\today}
\author[]{Romain NOËL}
\institute{Center for modern beamer themes}
\titlegraphic{\hfill\includegraphics[height=1.5cm, draft]{Tit
```

Plain Slide

The usual page is printed and defined using the command:

```
\begin{frame}{Title on top of the frame}
contenu...
\end{frame }
```

Note that the logo printed on this page are defined in the preamble by

```
\logo{\includegraphics[height=1.5cm, draft]{logo.pdf}}
```

Sections

Sections group slides of the same topic

\section{Elements}

Typography

The theme provides sensible defaults to \emph{emphasize} text, \alert{accent} parts or show \textbf{bold} results.

becomes

The theme provides sensible defaults to *emphasize* text, accent parts or show **bold** results.

Font feature test

- Regular
- Italic
- SMALL CAPS
- Bold
- Bold Italic
- BOLD SMALL CAPS
- Monospace
- Monospace Italic
- Monospace Bold
- Monospace Bold Italic

Lists

Items Enumerations Descriptions ● Milk 1. First, PowerPoint Meeh. ● Eggs 2. Second and Beamer Yeeeha. ● Potatoes 3. Last. ► Milk ► Eggs ► Potatoes Milk

Then, something below the columns, that be long enough to recover all the line-width.

• This is important

- This is important
- Now this

- This is important
- Now this
- And now this

- This is really important
- Now this
- And now this

Commands controlling overlay

Beamer defines a bunch of commands intended to control overlays: \only<...>{text} Throws away text content on slides not in <...> \onslide<...>{text} Same, but when hidden text still takes space. \visible<...>{text} Same. \uncover<...>{text} Same, but also handle transparency. \invisible < . . . > {text} Opposite of \visible \alt<...>{text1}{text2} Alternates between text1 and text2 for <...> \temporal <...> {before} {inside} {after} Alternate between three texts depending on slide index before, inside or after the range of <...>. For the commands \only and \alt the <...> can also be after the text. Then \only can be used to make commands <...>-aware (§9.3) like in: \newcommand{\myblue}{\only{\color{blue}}}

\myblue<2> This text is blue only on slide 2. Finally, \only
and \onslide without text argument work as toogles. Much more

options, described in §9.4 to 9.6

Action specifications

Inside <...> it is possible to add some action specifications Action are specified after the slide range & a — and followed by @ and the target slide or range. For example one can write: \item<3-|alert@4> Shown from slide 3 on, alerted on slide 4. which set the \alert for item 3 only in slide 4. Actions can be defined for \item, \action, \begin{actionenv}\verb and the block environments and the possible actions are by default, alert, uncover, only, visible, invisible, but other can be defined by the user. See manual § 9.6.3 Simple example using uncover with specified transparency:

```
\setbeamercovered{transparent=30}
\begin{itemize}[<+-|uncover@+>]
  \item first
  \item second
  \item third
\end{itemize}
```

Figures



 $\textbf{Figure 1:} \ \ \mathsf{Rotated} \ \ \mathsf{square} \ \ \mathsf{with} \ \ \mathsf{Tikz} \ \ \mathsf{package} \ \ \mathsf{from} \ \ \mathsf{texample.net}.$

Tables

Table 1: Largest cities in the world (source: Wikipedia)

City	Population
Mexico City	20,116,842
Shanghai	19,210,000
Peking	15,796,450
Istanbul	14,160,467

Blocks

Three different block environments are pre-defined.

Default

Block content.

Alert

Block content.

Example

Block content.

Math

$$e = \lim_{n \to \infty} \left(1 + \frac{1}{n} \right)^n \tag{1}$$

Line plots

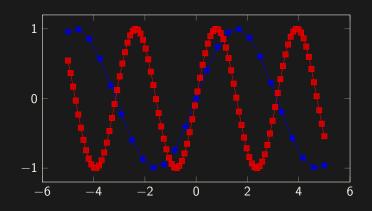


Figure 2: A nice sinus plot with Tikz.

Bar charts

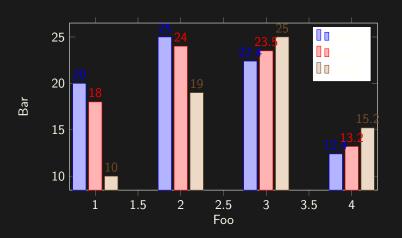


Figure 3: A nice bar chart with Tikz.

Quotes

Veni, Vidi, Vici

from Julius Caesar.

References

Some references to showcase [allowframebreaks] on next slide $[4,\ 2,\ 5,\ 1,\ 3]$

References (i)

P. Erdős.

A selection of problems and results in combinatorics.

In Recent trends in combinatorics (Matrahaza, 1995), pages 1–6. Cambridge Univ. Press, Cambridge, 1995.

R. Graham, D. Knuth, and O. Patashnik. Concrete mathematics.

Addison-Wesley, Reading, MA, 1989.

G. D. Greenwade.

The Comprehensive Tex Archive Network (CTAN). *TUGBoat*, 14(3):342–351, 1993.

D. Knuth.

Two notes on notation.

Amer. Math. Monthly, 99:403-422, 1992.

References (ii)

H. Simpson.

Proof of the Riemann Hypothesis.

preprint (2003), available at

http://www.math.drofnats.edu/riemann.ps, 2003.

2. Gotham Theme

Gotham package

The GOTHAM theme is a Beamer theme with a minimal-ish visual style largely inspired by the Metropolis Beamer Theme by Matthias Vogelgesang (and some other Beamer themes).

Yet, GOTHAM is highly extendable and versatile.

First, enable the theme by classically loading it:

```
\documentclass{beamer}
\usetheme{gotham}
```

Then, all the customization can be performed at any moment in the presentation using:

```
\gothamset{<option>=...}
```

2. Gotham Theme

2.1. Fonts

Gotham title formats

Note, that you have to have Mozilla's *Fira Sans* font and XeTeX or LuaTeX installed to enjoy this wonderful typography.

GOTHAM supports 4 different title GOTHAM supports 3 different title formats shape

\gothamset{format frametitle=}\gothamset{shape frametitle=...}

- regular
- lower
- UPPER
- Title case

- regular
- Small caps
- italic

They can either be set at once for every title type or individually.

TITLES: UPPER AND ITALIC

This frame uses the title format options: Tormat frametitle=upper,

TITLES: SMALL CAPS AND TITLECASE

This frame uses the title format options:

Potential Problems

Be aware that not every font supports small caps. If for example you typeset your presentation with pdfTeX and the Computer Modern Sans Serif font, every text in analyticaps will be typeset with the Computer Modern Serif font instead. Please refer to the documentation if you consider using it.

format frametitle=titleca

As a rule of thumb: just use it for plaintext-only titles.

titles: lower and regular

This frame uses the title format options: Tormat frametitle=Love

2. Gotham Theme

2.2. Colors

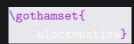
Presentation style via background color

The color mode (a.k.a. background color) can be changed using:

\gothamset{background=dark | light | transparent}

Blocks

Three different block environments are pre-defined and may be styled with an optional background color.



\gothamset{
block=tr

block=transpare

\gothamset{
rent block=fill}

Default

Block content.

Alert

Block content.

Example

Block content.

Default

Block content.

Alert

Block content.

Example

Block content.

Default

Block content.

Alert

Block content.

Example

Block content.

Color customization

The color theme can be used only in preamble with \usecolortheme{wolverine} and without guarantees on the visual aspect.

GOTHAM offers predefined color setup at any time through gothamset{colorset=red}

Otherwise, the colors can be changed manually using:

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

2. Gotham Theme

2.3. Inner

Title page

GOTHAM offers the possibility to adapt the title page layout (printed with \maketitle or \titlepage). This can be achieved using:

```
\defbeamertemplate{title page}{your name}{your defintion}
\gothamset{title page= your name}
```

GOTHAM also predefined several templates such as: cotham normal cotham splitvert — cotham dividedpid — cotham reversed

Table of contents

GOTHAM comes with the possibility to apply different styles for your table of contents (ToC) page. You can define your own ToC style as it follows:

```
\defbeamertemplate{toc page}{your name}{your def}
\gothamset{tocframe template= your name}
```

Then, referring to this template using the frame option to in your presentation:

```
\begin{frame}[toc]{Table of contents}
    \tableofcontents%[hideallsubsections]
\end{frame }
```

Or using one of the ${f Gotham}$ predefined templates, such as:

Sections

```
GOTHAM provides a multiple options to tune sections (respectively part
          ubsection and subsubsection).
The section command \section{Elements} from Beamer will appear
very different. The section page will appear or disappear thanks to:
\gothamset{
                                             . while its layout
(when appearing) is controlled by:
\defbeamertemplate{part|sub|subsub|section frame}
    {vour name}{vour def}
 gothamset{sectionframe template= your name}
GOTHAM predefined template are:
```

Sections contents

```
After the section page, you can (de)activate a page with a table of contents for the section using \gothamset{sectiontocframe default=<on|off>}, and its layout is controlled by: \defbeamertemplate{toc subsection frame}{your name}{your def}\gothamset{sectionframe template= your name}

GOTHAM predefined template are: gotham simple | gotham buller
```

Watermark

With GOTHAM you can locally or globally add watermark to your slides by using:

```
\defbeamertemplate{background}{watermark/your name}{your def}
\gothamset{watermark template= your name}
```

Then, this watermark can be turned on locally using begin{trame} watermark or globally with gothamset{watermark default = 01}.

Standin

GOTHAM comes with 2 environments/special layouts named standing and standow. These special layouts can be used to emphasize some content or last slide...

This layout can be turned on using \begin{frame} standing or using the dedicated environment

(\begin{standingny}\begin{frame} \end{frame}\end{standingny}

\defbeamertemplate{background canvas}{standin/name}{vour def}

Note that the background can also be tuned using:

gothamset{standin BG template= name}

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Standout

Here is an example of standout (working as standin), which can be combined with a watermark.

Another difference, apart the obvious color change is the font size and series.

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2. Gotham Theme

2.4. Outer

Frame footer

GOTHAM defines a custom Beamer template to add a text to the footer. It can be set via

```
\setbeamertemplate{frame footer}{My custom footer}
```

```
\title[your shorttitle]{Your title}
\date[shortdate]{\today}
\author[your shortauthor name]{John DOE}
```

Since we always need some extra space on some frames that would like to overlay a bit the footer, GOTHAM's footer also offers possibility to be put locally on the side using begin{frame} begin{frame}, or globally with

```
\gothamset{rotateFooter default=or}
```

If it has set globally, it can be deactivated locally with the frame option begin{frame} norotateFooten.

shortda

GOTHAM has two hook commands, **gothamRightFiligrane** and **gothamLeftFiligrane**, that can be redefined to customize what to display in the edgings (a.k.a. filigrane, a.k.a. sidebar). As an example, one could do:

```
\renewcommand{\gothamRightFiligrane}{%
   \rotatebox{90}{gotham right filigrane pattern}
}
```

Then, to set if it should be displayed or not, globally

```
\gothamset{edging default=on}

or locally with the frame option \begin{frame} [edging] or \begin{frame} [noedging].
```

Really wide contents

If you want a really wide content in your frame, you can change the size of your margin (requires \usepackage{changepage} in your preamble). You can also suppress the edging (incedering) and footer (incloseters) or even more radically footline (incloseters).

Here is an example combining them:

```
\begin{frame} [noedging, nofootline] { extended frame}
   \begin{adjustwidth}{-2em}{-2em}% 2em extra to the left and
      wide content
   \end{adjustwidth}
\end{frame}
```

Frametitle — with a subtitle



The frametile template brought by GOTHAM is relatively classic: it supports \subframetitle and frame continuation (with all outbrane) through templates that can be tuned.

Nevertheless, it the frametitle template also includes a hook for your institute logo in the top right corner, leaving the command \logo{} free for your extra logos.

So, one can have both logos using:

```
\renewcommand{\gothamInstituteLogoSquare}[1][4ex]{
    \includegraphics[height=#1]{gotham-logo.pdf}
}
\logo{extra_LOGO}
```

Numbering and progressbar

GOTHAM theme can numbering your frames in the bottom right corner using different styles. You can also decide to use a progression bar to indicate how much of your presentation remains.

The setup of numbering and progression bar can be performed through:

\gothamset{numbering= totalframenumber, progressbar position=foo

Numbering available options are:

B 1 12 21 21 12

Progressbar position available options are:

3. Conclusion

Summary

Get the source of this theme and the demo presentation from

https://gitlab.com/RomainNOEL/beamertheme-gotham

The theme *itself* is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.



The final slide using the standout style with command:

```
\begin{frame}[standout, plain]{Thank You !]
Questions ?
\end{frame }
```

Et voilà!

Part I Appendix

Backup slides

Sometimes, it is useful to add slides at the end of your presentation to refer to during audience questions.

The best way to do this is to include \usepackage{appendixnumberbeamer} in your preamble and call \appendix before your backup slides.

 ${\bf Gotham}$ will automatically turn off slide numbering and progress bars for slides in the appendix.