

## ***TO DO list***

- #1 Maketitle -> titlepage. Régler les problèmes de person. Faire que on peut utiliser la commande person plusieurs fois de suite et ça ajoute à la liste des personnes à mettre dans le tableau. France. . . . . 4
- #2 faire la liste des packages par exemple . . . . . 35



A FANCY UNIVERSITY

AN EVEN FANCIER LAB

*Sylvain Kern*

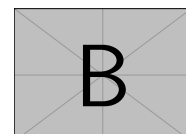
# This is tufte-style-thesis, a Tufte-styled L<sup>A</sup>T<sub>E</sub>X class for theses

Actually more of a mix between Edward Tufte and Robert  
Bringhurst

Doctoral thesis

*December 6, 2021*

Supervisor    their name    their job





*For my homies*

TODO #1

---

Maketitle -> titlepage. Régler les problèmes de person. Faire que on peut utiliser la commande person plusieurs fois de suite et ça ajoute à la liste des personnes à mettre dans le tableau. France.

---

## *Abstract*

Basically a thesis (book?) class for Tufte lovers like myself. I am aware that `tufte-latex` already exists but I just wanted to create my own thing.





## *Acknowledgements*

shoutouts to my man **Tufte**.



# Contents

Abstract 5

Acknowledgements 7

## **1** Notes on the design 17

1.1 *Document layout* 17 1.2 *Page layout* 18 1.3 *Head-  
ers, lists, and other content-organizing features* 18 1.4 *Fonts  
and "micro" typography* 19 1.5 *The philosophy behind the  
design* 19

## I HOW TO USE THIS CLASS

## **2** Getting started 23

2.1 *On Linux* 23 2.2 *On Windows* 23 2.3 *On Overleaf* 23

## **3** Using this class 25

3.1 *The big margin* 25 3.2 *Full width text* 26 3.3 *The  
skeleton* 26 3.4 *Floats* 27 3.5 *The titlepage* 35 3.6 *Com-  
pilation* 35 3.7 *Packages loaded* 35

## II SHOWCASE

## **4** Showcase1 39

## **5** Showcase2 41

## APPENDIX

## **A** Some additional stuff 45

## **B** Another chunk of maybe completely pointless content 47



## *List of Figures*

- Figure 3.1    1919 map of the Finistère in French Brittany. This figure is in the main text column, with a caption in the margin aligned with the top of the image. For images narrower than the text width, they will be outer-aligned so that they remain just next their caption.    27
- Figure 3.2    The most common sea boat knots. This image can be displayed rather small, so it fits in the margin. The caption is displayed below.    27
- Figure 3.3    The US census map from data collected in 2010 – [www.ecpm1anguages.u-strasbg.fr](http://www.ecpm1anguages.u-strasbg.fr) This is a wide figure, stretching from the innermost to the outermost margin.    28
- Figure 3.4    The Mandelbrot set with different depths of iteration. This caption is not in the margin but in the main text area. It can sometimes be useful with really really long captions.    30



*List of Tables*

Table 3.1	The elementary particles included in the standard model. This is a table with a <code>\sidecaption</code> .	31
Table 3.2	Table des marées à Douarnenez du 23 au 26 juillet 2021, Service Hydrographique et Océanographique de la Marine, <code>maree.shom.fr</code> . This is a wide table, called with the <code>table*</code> environment. The caption is also a <code>\sidecaption {}</code> .	31
Table 3.3	Major, minor and perfect music intervals. ST. stands for <i>semi-tones</i> . This table is in the margin.	32





## *List of Listings*

- 3.1 Hello world in C. This is a captioned code snippet. . . . . 33
- 3.2 A source code snippet of 29jm's stunningly amazing SnowflakeOS.  
This is a numbered code snippet that goes through several pages. . . 34



# 1 Notes on the design

This class is my personal mix of different book design influences: mainly the works of Edward R. Tufte,<sup>1</sup> known for the big margin and the plentiness of sidenotes and sidecaptions. The margins are however not as prominent as in Tufte's works, the main text takes a bit more space, more like in Robert Bringhurst's typographer's bible.<sup>2</sup> So it is a bit of a mix of Tufte and Bringhurst, with some of my own choices for other design features, as we will see through this chapter.

## 1.1 Document layout

While `tufte-style-thesis` is a class for typesetting theses, the general layout is pretty much the same as in a regular book. A book is traditionally divided into three major sections: the front matter, the main matter and the back matter.

The *front matter* is for all the stuff that comes before the main content: the preface, the acknowledgements, table of contents (TOC) and list of various types. The pages are most widely printed in roman numerals for this part. However, I personally find it confusing and a bit useless so the page numbering system is simplified for the whole book: arabic numerals starting from the very first page of the document.<sup>3</sup> The frontmatter still remains relevant because chapters are unnumbered, and  $\LaTeX$  conveniently places them in the TOC.

The *main matter* is, as its name suggests, for the main content. Here everything is normal, arabic page numbering, normally numbered chapters. At the end of the mainmatter there are usually appendices, especially for scientific and technical textbooks ; for me, an appendix seems necessary in a thesis to put big figures, tables, and content that can be referred to in the main text but are too intrusive to put in the heart of the document. Chapters in the appendix are numbered with a letter to distinguish them from the main content. The main matter can also be cut in a couple of parts.<sup>4</sup>

The *back matter* is the end of the book, usually for the references part and index or glossary. Chapter numbering is turned off. At the very end, a colophon<sup>5</sup> can be put to state information about the printer, publisher and stuff like that.

To sum this up, the structure of a document typeset with `tufte-style-thesis` is something like this:

- titlepage ;
- front matter (dedication, abstract, acknowledgements, table of contents, list of figures, *etc*) ;
- main matter (main content organized in numbered chapters, an appendix with letter chapters) ;
- back matter (references, index, glossary, colophon).

<sup>1</sup> <sup>[1]</sup> E. R. Tufte, *The Visual Display of Quantitative Information*, 2001, <sup>[2]</sup> E. R. Tufte, *Beautiful Evidence*, 2006, <sup>[3]</sup> E. R. Tufte, *Envisioning Information*, 1990, <sup>[4]</sup> E. R. Tufte, *Visual Explanations*, 1997.

<sup>2</sup> <sup>[5]</sup> R. Bringhurst, *The Elements of Typographic Style*, 2002.

<sup>3</sup> Tufte and Bringhurst do full arabic in their work too, so I consider it legit.

<sup>4</sup> I like, for instance, to put the appendix in a dedicated part.

<sup>5</sup> <sup>[6]</sup> J. Carter and N. Barker, *ABC for Book collectors*, 2004.

This is how  $\LaTeX$  books work, and how I advise to structure a document using this class. All of this is under a single page numbering system, arabics starting right from the titlepage. Eventually, this is a really heavy layout, see how the first chapter of content starts at page 18. So do not use this class unless you have a hefty content to fit all these organizing features.

## 1.2 Page layout

Maybe the most distinctive aspect of this class is its page layout with its big margin to put sidenotes and captions. However this is not original at all: plenty<sup>6</sup> of other  $\LaTeX$  classes for books and theses do it just like me, and almost always better<sup>7</sup> I just wanted to do my own thing here, mixing what I personally like the most in these layout types, to better learn  $\LaTeX$  and to really internalize this kind of design. At the end of the day it may be a more Bringhursty than Tuftey kind of look, but hey, I won't change the name of this whole thing now.

So, as you might have started to notice, the main feature of this thing is the margin, with the sidenotes, side references, and as you will discover, side captions and everything. It has three main advantages for me:<sup>8</sup>

- it makes the main text area narrower, therefore easier to read as the line changes become smoother, sidenotes are also friendlier than footnotes ;
- it makes the design breathe with plenty of potential white space (when the margins are not too crowded) ;
- it organizes the content: non-prosaic elements are on the side, separated from the main text area which becomes less cluttered.

So this is more intended for people who like "flavoured" text: people who likes notes, parentheses, asides, *etc.* It is also more suited for topics needing lots of pictures, tables, and diagrams: a novel would look terrible with this kind of layout.

Another small detail on the sidenotes, the flag of a note is in superscript in the text, but the note itself is introduced by a number in full size: this is in superscript ...<sup>9</sup> This is again one of Bringhurst's advices.

## 1.3 Headers, lists, and other content-organizing features

The principle here is to give structuring elements which are as unobtrusive as possible, while remaining clear and easy to follow. For example, the bold headers of vanilla  $\LaTeX$  have been changed for more subtle italic ones. Chapters titles have been simplified to their essential parts –a number and a title– and put as high as possible: it is completely useless to me to start a new chapter at the middle of a page.<sup>10</sup> Though, some of space is left after the title to let it breathe a little bit ; this is a feature of Tufte's books.

The `toc`, and the other lists as well as the index and references section are thought to be that way: friendly and unobtrusive. For example, in the `toc`, the traditional dotted lines between a heading and its corresponding folio<sup>11</sup> is useless and unfriendly: why have the reader to follow a line with their eyes instead of just placing the page number next to the heading? So I adapted the

6.

7 Or in a way cleaner  $\LaTeX$ .

8 These advantages can be seen as drawbacks for others: less space for the actually important content, irregular and somewhat unconventional design which can be harder to handle.

9 ... whereas this is in normal size.

10 Bringhurst roasts this kind of chapters in his *Elements*: "In modern books, where the titles are shorter and the margins have been eaten by inflationary pressure, a third of the page somewhat lies vacant just to celebrate the fact that the chapter begins".

11 Just flexin, folio is a fancy term for saying "page number".

toc to make it both expressive and light/minimalistic.<sup>12</sup> It does not support deeper headings than the section, because I think nobody looks for such detail in the table of contents.

12 I find Tufte- and Bringhurst-style TOCs too empty, at least for a thesis.

## 1.4 Fonts and "micro" typography

This class has three fonts.

The main text is typeset with a version of Linux Libertine,<sup>13</sup> with enhanced math support. Here it is in **bold** and *italic*.

13 <sup>[7]</sup>, *Libertine Fonts – Libre multilingual font family*.

Sans serif text, like in the titlepage, part titles and page headers (not chapter/section titles, but small reminders at the very top of the pages) are in sans serif Gill Sans, actually Gillius, a version of Gill Sans for L<sup>A</sup>T<sub>E</sub>X. Here it is in **bold** and *italics*. Gill Sans is a humanist sans-serif typeface, which I find both elegant and minimalistic. It is less harsh than grotesk fonts like Helvetica or Arial.

Mono text, for code listings, is Droid Sans Mono. It is smoother to my taste than the default courier-like font. Here it is in *italics* (unfortunately it does not support bold –yet).

By "micro" typography I mean typography at the paragraph level, as opposed to the more general aspects of the design that have been covered above. But do not worry, I will talk about true *microtypography* a little bit later. So, the prose is organized in paragraphs indented at the first line, as it is classically seen. The first paragraph that comes after a heading, however, is not indented.<sup>14</sup> The text is by default not justified on the right like in Tufte's books. Apparently it makes the lines easier to recognize and follow with the eyes ; I do not find this irregularity unpleasing. But *do not worry*, it can be fully justified really easily.<sup>15</sup>

14 It is again an advice from Bringhurst: "*The simplest way to start any block of prose is to start from the margin, flush left [...]*."

For true microtypography, when the text is fully justified (like this one), the dashes, commas, points and other stuff slightly protrude in the margin to make it seem more justified than it really is.<sup>16</sup> For flush left text, the typesetting algorithm has also been upgraded from standard L<sup>A</sup>T<sub>E</sub>X, reducing the line length and space width variance, and hyphenating as less as possible. Also, the spaces between small caps increase a little bit, as well as they can be increased for full caps text.

15 I hope people have not been bummed out at by not seeing the right-justification.

16 Paradoxically, it seems more justified than when it is truly justified. See by yourself: put a ruler (or the side of the window on the right side of the text and see how the comma slightly protrudes).

## 1.5 The philosophy behind the design

As a disclaimer: I do not have neither the experience nor the pretention to make authoritative statements about design philosophy, these are just some thoughts I gathered that I find interesting to consider when making designs, closely or remotely.

As Antoine de Saint-Exupéry once wrote:<sup>17</sup> "*Perfection has been reached not when there is nothing left to add, but when there is nothing left to take away*". To me, this means that minimalism is a key aspect of document design. The features and the layout must let the true content express itself: a good typography is completely transparent. That is why the design is dependent of the content: a novel and a math textbook will have completely different designs.

17 <sup>[8]</sup> A. de Saint-Exupéry, *Terre des Hommes*, 1939.

18 Yeah, I lazily picked the two citations on the first page of the tufte-style book class showcase. Though, I find Paul Rand's a bit condescending, like, "*people know nothing about good design*".

However, this whole Tufte-style design is far from transparent. It is easily recognizable, and people will notice the somewhat unusual design statements. Paul Rand said,<sup>18</sup> "*The public is more familiar with bad design than good design. It is in effect, conditioned to prefer bad design, because that is what it lives with. The new becomes threatening, the old reassuring*". Edgar Tufte completely re-thought the way to display scatterplots, curves and axes, boxplots and histograms, but most people are not used to see this optimized representation, so is it a better design if most people have to give some extra effort to adapt to it ?

Then, good design must be a cultural thing. To aim perfection, one must make a blend between innovation and tradition, to be perceived as smooth as possible for the majority of people.

So, yeah, I really don't know what to think. I find –actually I hope that side-notes and margins benefit to the reading comfort instead of ruining it. It makes more sense when there are figures, tables and heavier stuff, but hopefully it remains relevant for prose with notes.

PART I

HOW TO USE THIS CLASS





## **2**   *Getting started*

### *2.1   On Linux*

### *2.2   On Windows*

### *2.3   On Overleaf*



## 3 Using this class

### 3.1 The big margin

There is a big margin, so feel free to use it as much as possible!<sup>1</sup> This chapter will cover the usage of sidenotes, side references, and other ways to use the margin.<sup>2</sup>

The general layout is done using the `geometry`<sup>3</sup> package, and all the margin stuff relies on the `sidenotes`<sup>4</sup> package, so check its documentation:

<http://www.ctan.org/pkg/sidenotes>

for more in-depth information.

#### Sidenotes

To put a sidenote in the margin, use

```
\sidenote[<number>][<offset>]{<sidenote text>}
```

- `<number>` is an optional parameter for the sidenote number. For example, `\sidenote[29100][]{The sidenote.}` does this.<sup>29100</sup>
- `<offset>` is an offset length (in pt, px, en, em...) to vertically offset the sidenote. A positive value will have it go down, a negative go up.

L<sup>A</sup>T<sub>E</sub>X natively allows to put unformatted content in the margin with the command `\marginpar{<your content>}`, but I advise not to use it, as it puts raw fullsize text in the margin, and does not blend well with the overall design. Instead, use

```
\sidetext{<your text>}
```

This will format the margin text to match the sidenotes style.

#### Side references

The margin is also handy to put bibliographic references:<sup>5</sup> the reader can read them directly instead of going all through the document to find the right entry in the references section. But don't worry, each reference displayed in the margin is labelled with a number and appears in a dedicated bibliography section. All in all, a side reference is displayed in the margin in a shortened form, and then again in the bibliography in the full form.

To cite a paper, use

<sup>1</sup> Actually to your needs, if you do not have a natural usage of notes, maybe do not use this class.

By the way, see how sidenote numbers reset on new chapters: we're back on number 1!

<sup>2</sup> For float captions, see chapter 3.4.

<sup>3</sup> <sup>[9]</sup> H. Umeki, "The geometry package," 2020.

<sup>4</sup> <sup>[10]</sup> A. Thomas, "The sidenotes package," 2020.

29100 The sidenote.

This is unformatted margin text, in fullsize.

This is just some unnumbered piece of text in the margin, but with the formatting done right.

<sup>5</sup> <sup>[11]</sup> A. Einstein, *Zur allgemeinen relativitätstheorie*, 1915.

```
\sidecite{<reference label>}
```

### 3.2 Full width text

Sometimes, it can be handy to have the text span the whole page width, like this paragraph. Use the environment `\begin{wide}...\end{wide}` to do this. It should manage page breaks properly, but it is not optimal: do not use it for too long (like for ten pages), the behavior tends to go a little wild. The behavior of `\sidenote`, `\marginpar` and `\sidecite` is not supported in the `wide` environment.

Also, for floating environments, full width figures and tables will be covered in the chapter 3.4, so do not use the `wide` environments with figures or tables (actually tables are fine, but there are specific environments for them to be in full width).

### 3.3 The skeleton

The structure of a  $\text{\LaTeX}$  book is as follows:

```
% preamble
\begin{document}

\maketitle % titlepage

\frontmatter % unnumbered preliminary chapters
\chapter{}
\tableofcontents

\mainmatter % main content: numbered chapters
\part{part}
\chapter{content}
\chapter{content}

\appendix % letter numbered chapters
\chapter{appendix 1}
\chapter{appendix 2}

\backmatter % everything else: references, indexes, glossaries, etc.
\printbibliography
\printindex

\end{document}
```

#### *The new \maketitle*

The `\maketitle` macro has been slightly pimped up. It now displays a custom titlepage —like the one on this very document, as well as a copyright tag, a dedication word and a colophon.

### 3.4 Floats

The integration of floats with the Tufte layout is handled with the `sidenotes` package, loaded with the class definition. The following paragraphs show how to basically use the macros, and for more information, see the package documentation at <https://www.ctan.org/pkg/sidenotes>.

#### Figures

Edward Tufte's designs are known to be really tight when it comes to including images with text. The main pet peeve I had with one-column designs is when I included a small figure in the document, it had to visually break the text and generate large unpleasing blank spaces. Also, more often than not, the text width was too much for the images, resulting in huge one-liner captions for very small figures.

The 1.5-column design fixes this by putting all captions in the margins, as well as small enough figures, which tidies the document a lot.



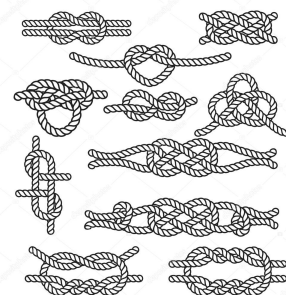
**Figure 3.1.** 1919 map of the Finistère in French Brittany. This figure is in the main text column, with a caption in the margin aligned with the top of the image. For images narrower than the text width, they will be outer-aligned so that they remain just next their caption.

To put a graphics in the text like in the figure 3.1, use<sup>6</sup>

```
\begin{figure}
\sidecaption{<caption>\label{<label>}} % put this on top
% \label HAS to be inside the \sidecaption
\includegraphics[<options>]{<file>} % or tikz or anything
\end{figure}
```

To put a figure in the margin like the figure 3.2, use

<sup>6</sup> The `\label` has to be inside the `\sidecaption` command, otherwise references with `\ref` won't work.

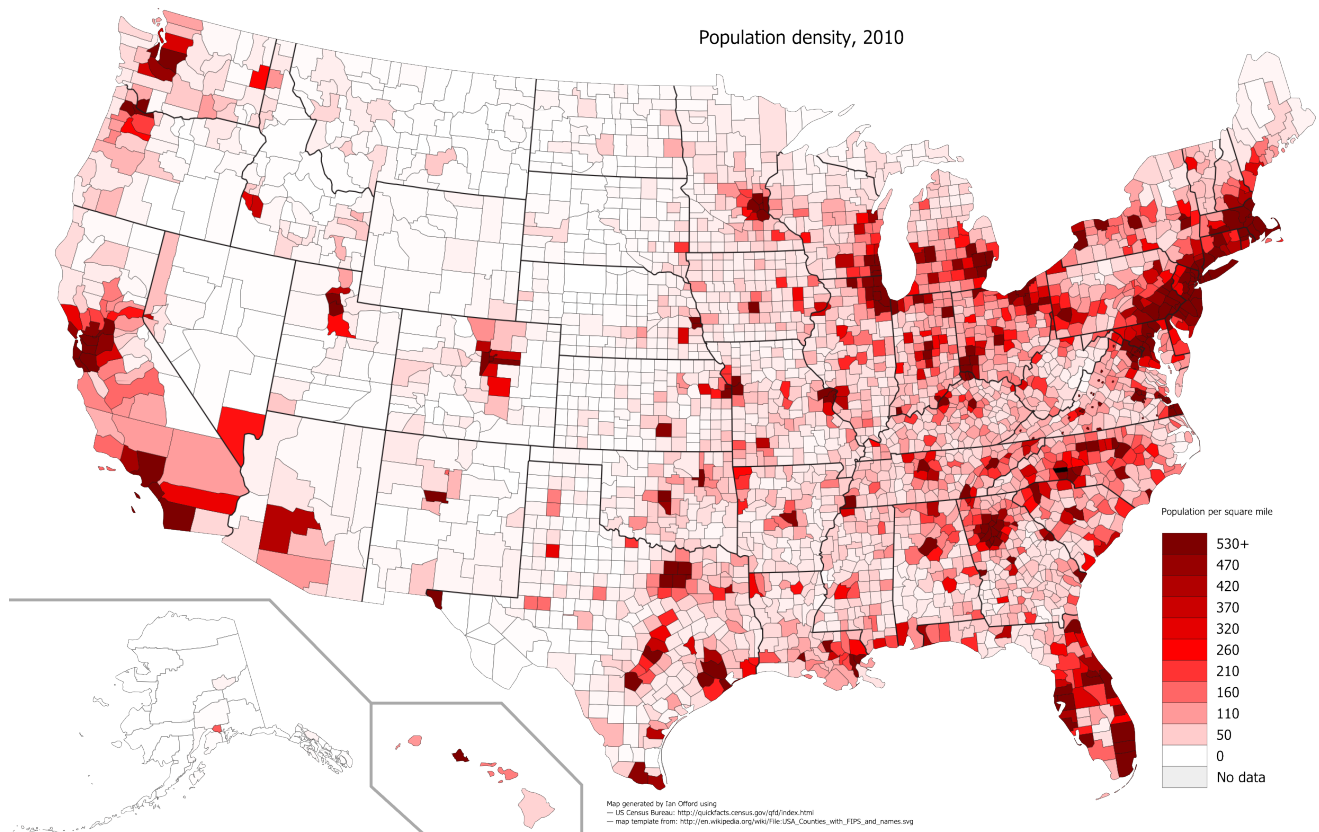


**Figure 3.2.** The most common sea boat knots. This image can be displayed rather

```
\begin{marginfigure}
  \includegraphics[]{<>} % or tikz or anything
  \caption{<caption>\label{<label>}}
\end{figure}
```

For wide figures like the figure 3.3, use

```
\begin{figure*}
  \includegraphics[]{<>} % or tikz or anything
  \sidecaption{<caption>\label{<label>}}
\end{figure*}
```



**Figure 3.3.** The US census map from data collected in 2010 – [www.ecpm1anguages.u-strasbg.fr](http://www.ecpm1anguages.u-strasbg.fr)

This is a wide figure, stretching from the innermost to the outermost margin.

### Shortcuts

I find typing figure environments repetitive for long (even short) documents, so I made the following macro for figures with `\sidecaptions` :

```
\textfig[<optional width>]{<file path>}{<caption>}{<label>}
```

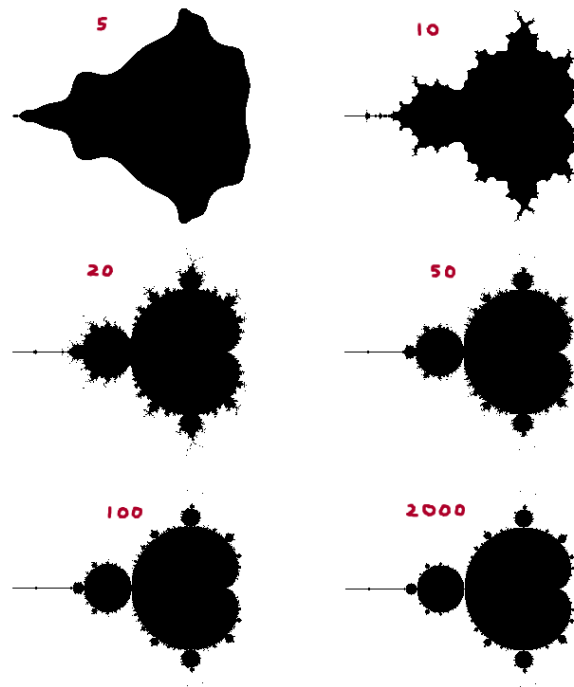
The `<optional width>` is a number between zero and one which determines the image width relative to the text width. The default value is 1, like on the figure 3.1.

The same macros are provided for images in the margins and wide images, respectively shown in figures 3.2 and 3.3.

```
% figure in the margin
\marginfig[<optional width>]{<file path>}{<caption>}{<label>}
% wide figure
\widefig[<optional width>]{<file path>}{<caption>}{<label>}
```

If for any reason a figure caption has to be put in the main text block, just use the regular figure environment. The following shortcut macros will also do. The result of `\plainfig` is shown in figure 3.4.

```
% plain figure with textwidth
\plainfig[<optional width>]{<file path>}{<caption>}{<label>}
% plain figure with full width
\plainwidefig[<optional width>]{<file path>}{<caption>}{<label>}
```



**Figure 3.4.** The Mandelbrot set with different depths of iteration. This caption is not in the margin but in the main text area. It can sometimes be useful with really really long captions. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.





```

\textbf{d}~~down & \textbf{s}~~strange & \textbf{b}~~bottom &
↪ \textbf{\textgamma}~~photon & \\
\multicolumn{3}{c}{\textsc{leptons}} & \textbf{Z} boson & \\
\cmidrule(lr){1-3}
\textbf{e}~~electron & \textbf{\textmu}~~muon &
↪ \textbf{\texttt{tau}}~~tau & \textbf{W} boson & \\
\textbf{\textnu\textsubscript{e}}~~el. neutrino &
↪ \textbf{\textnu\textsubscript{\textmu}}~~mu. neutrino &
↪ \textbf{\textnu\textsubscript{\texttt{tau}}}~~tau neutrino & &
↪ \\
\bottomrule
\end{tabular}
\end{table}

```

To produce tables in the margin like table 3.3, use the `margintable` environment like in the following.

**Table 3.3.** Major, minor and perfect music intervals. ST. stands for *semitones*. This table is in the margin.

ST.	Intervals
0	unison
1	minor second
2	major second
3	minor third
4	major third
5	perfect fourth
6	aug. 4 <sup>th</sup> / dim. 5 <sup>th</sup>
7	perfect fifth
8	minor sixth
9	major sixth
10	minor seventh
11	major seventh
12	octave

```

\begin{margintable}[]\small
\caption{Major, minor and perfect music intervals. ST. stands for
↪ \textit{semitones}. This table is in the margin.
↪ \label{tab:table-margin}}
\begin{tabular}{ll}
\toprule
\textbf{ST.} & \textbf{Intervals} \\
\midrule
0 & unison \\
1 & minor second \\
2 & major second \\
3 & minor third \\
4 & major third \\
5 & perfect fourth \\
6 & aug. 4\textsuperscript{th} / dim. 5\textsuperscript{th} \\
7 & perfect fifth \\
8 & minor sixth \\
9 & major sixth \\
10 & minor seventh \\
11 & major seventh \\
12 & octave \\
\bottomrule
\end{tabular}
\end{margintable}

```

## Code

Code can be inserted, whether with simple code boxes or captioned snippets that look like the following.

```
int main(int argc, char *argv[]) {
    printf("Hello world!");
    return 0;
}
```

The background is a light gray that helps make the code stick out just enough without distracting the eye too much. The code itself is syntax colored according to the used language. There are several environments for code boxes, explained below.

For a simple code box with neither line numbering nor caption, the macro environment is the following.

```
\begin{codebox}{<your language in lowercase>}
<
Your code. It can contain all special characters such as { } ( ) [ ]
↪ \ % (the percent mark here is grayed just because on this very
↪ code box the language is set on latex)
It break lines.
It will end only when reading the %\end{codebox} below.
>
\end{codebox}
```

For a code box *with* line numbering –still without a caption– use the following environment.

```
\begin{codeboxnum}{<your language in lowercase>}
<your code>
\end{codeboxnum}
```

For captioned code snippets, the same environments exist, as shown as follows. For example, the listings 3.1 and 3.2 are respectively unnumbered and numbered code snippets.

```
\begin{snippet}{<language>}{<caption>}{<label>}
This code will be displayed in a captioned code box, without line
↪ numbering.
\end{snippet}

\begin{snippetnum}{<language>}{<caption>}{<label>}
```

**Listing 3.1.** Hello world in C. This is a captioned code snippet.

This supports most of the classic languages. Here are some examples for the language option:

```
c ,
c++ ,
python ,
java ,
latex ...
```

If a specific language is not recognized, use the `text` option instead: it will display the code without syntax coloring.

This code will be displayed in a captioned code box, with line  
↪ numbering.  
`\end{snippetnum}`

Small pieces of code can be useful to put in flow of the text. This class provides a command to things like this: `public int size() {}`. Use the following to insert a piece of code in the text.

```
\inlinecode{<language>}{<your code>}
% if there are curly braces in your code
\inlinecode{<language>}_<your code>_ % or
\inlinecode{<language>}|<your code>|
```

If the piece of code inside the `\inlinecode` contains curly braces, use another character to delimit your code, the same at beginning and end. Underscore (`_`) and pipe (`|`) will do fine.

`\inlinecode` does not break at lines, so be careful, it can sometimes protrude on the right margin. If it is the case, go to a new line by inserting `\\` just before `\inlinecode`.

The following chunk is an example snippet to show the look when the code is a bit heftier. See how the box breaks at the end of the page.

**Listing 3.2.** A source code snippet of 29jm's stunningly amazing SnowflakeOS. This is a numbered code snippet that goes through several pages.

```
1  #include <kernel/multiboot2.h>
2  #include <kernel/sys.h>
3
4  static const char* tag_table[] = {
5      "TAG_END",
6      "TAG_CMDLINE",
7      "<unknown>",
8      "TAG_MODULE",
9      "TAG_MEM",
10     "TAG_BOOTDEV",
11     "TAG_MEMMAP",
12     "TAG_VBE",
13     "TAG_FB",
14     "<unknown>",
15     "TAG_APM",
16     "<unknown>",
17     "<unknown>",
18     "<unknown>",
19     "TAG_RSDP1",
20     "TAG_RSDP2",
21 };
22
23 /* Prints the multiboot2 tags given by the bootloader.
24 */
25 void mb2_print_tags(mb2_t* boot) {
26     if (boot->total_size <= sizeof(mb2_t)) {
27         printke("no tags given");
28         return;
29     }
30 }
```

```

31  mb2_tag_t* tag = boot->tags;
32  mb2_tag_t* prev_tag = tag;
33
34  do {
35      const char* tag_name;
36
37      if (tag->type < sizeof(tag_table) / sizeof(tag_table[0])) {
38          tag_name = tag_table[tag->type];
39      } else {
40          tag_name = "<unknown>";
41      }
42
43      printk("%12s (%2d): %d bytes", tag_name, tag->type,
44             ↪ tag->size);
45
46      prev_tag = tag;
47      tag = (mb2_tag_t*) ((uintptr_t) tag + align_to(tag->size,
48             ↪ 8));
49  } while (prev_tag->type != MB2_TAG_END);
50
51  /* Returns the first multiboot2 tag of the requested type.
52  */
53  mb2_tag_t* mb2_find_tag(mb2_t* boot, uint32_t tag_type) {
54      mb2_tag_t* tag = boot->tags;
55      mb2_tag_t* prev_tag = tag;
56
57      do {
58          if (tag->type == tag_type) {
59              return tag;
60          }
61
62          prev_tag = tag;
63          tag = (mb2_tag_t*) ((uintptr_t) tag + align_to(tag->size,
64             ↪ 8));
65      } while (prev_tag->type != MB2_TAG_END);
66
67      return NULL;
68  }

```

### 3.5 *The titlepage*

### 3.6 *Compilation*

### 3.7 *Packages loaded*

TODO #2

---

faire la liste des packages par exemple

---



PART II

SHOWCASE





## 4 *Showcase1*



## 5 *Showcase2*



## APPENDIX



## A *Some additional stuff*

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**B** *Another chunk of maybe completely pointless content*



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## *Index*

back matter, 17  
Bringinghurst, Robert, 17

de Saint-Exupéry, Antoine, 19  
design, 19  
Droid Sans Mono, 19

fonts, 19  
front matter, 17  
Gill Sans, 19  
Linux Libertine, 19  
main matter, 17

microtypography, 19  
Rand, Paul, 20  
sidenotes, 18  
Tufte, Edward R., 17

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Feel free to contribute!