

Book Template

v3.1.1

2026-04-30

MIT

Write beautiful scientific book or thesis with Typst

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This Typst package is a proposed template for writing thesis dissertations, French habilitations, or scientific books.

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Part I

Usage

I.1 Using bookly

To use the `bookly` template, you need to include the following line at the beginning of your `typ` file:

```
#import "@preview/bookly:3.1.1": *
```

In `bookly`, the supplement of the `ref` function is set to “none” by default to avoid unexpected behavior when referencing more than one item. However, you can revert this setting by using the following syntax after the template definition:

```
#set ref(supplement: auto)
```

I.2 Initializing the template

After importing `bookly`, you have to initialize the template by a `show` rule with the `#bookly` command. This function takes an optional argument to specify the title of the document.

```
#show: bookly.with(  
  ...  
)
```

```
#bookly(  
  {title}: "Title",  
  {author}: "Author Name",  
  {theme}: "fancy",  
  {tufte}: false,  
  {lang}: "fr",  
  {fonts}: "default-fonts",  
  {colors}: "default-colors",  
  {title-page}: none,  
  {config-options}: "default-config-options"  
)[body]
```

Argument

```
{title}: "Title"
```

str

Title of the book or the thesis.

Argument

`(author): "Author Name"` str

Author of the book.

Argument

`(theme): "fancy"` function

Theme of the document. Possible values are:

- fancy (default)
- modern
- classic
- orly (O'Reilly inspired)
- pretty

Argument

`(tufte): false` bool

If true, the layout of the document is inspired by the works of Edward Tufte (wide margins, sidenotes, etc.).

Argument

`(lang): "en"` str

Language of the document.

Supported languages:

- English – "en" (default)
- Chinese – "zh"
- French – "fr"
- German – "de"
- Italian – "it"
- Portuguese – "pt"
- Spanish – "es"

Argument

`(fonts): "default-fonts"` dictionary

Fonts used in the document. It contains the following keys:

- body str – Font used for the body text (default: "New Computer Modern")
- math str – Font used for mathematical equations (default: "New Computer Modern Math")
- raw str – Font used for raw text (default: "DejaVu Sans Mono")

Argument

`(colors): "default-colors"` dictionary

Colors used in the document. It contains the following keys:

- primary color – Primary color (default: `rgb("#c1002a")`)

- secondary `color` – Secondary color (default: `rgb("#d4d4d4").darken(15%)`)
- boxeq `color` – Color of equation boxes (default: `rgb("#d4d4d4")`)
- header `color` – Color used for adapting the color of the document headers (default: black)

Argument

`(title-page): none``content`

Content of the title page.

Argument

`(config-options): "default-config-options"``dictionary`

Configuration options of the document. It allows a more fine-grained control of some aspects of the template. It contains the following keys:

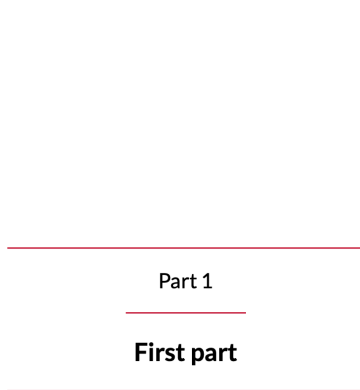
- part-numbering `str` – Numbering pattern (default: "1")
- open-right `bool` – If true, parts start on a right-hand page (default: true)
- alt-margins `bool` – If true, margins are alternated for odd and even pages when `tufte` is enabled (default: false)

I.2.1 Initialization example

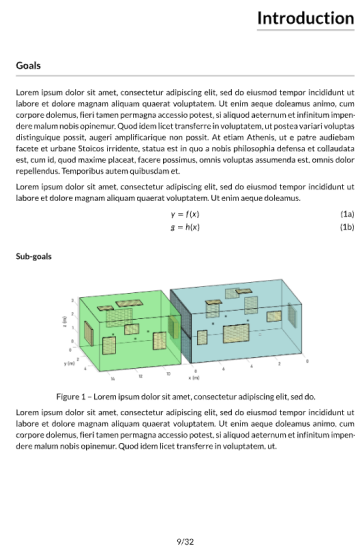
```
#show: bookly.with(
  author: "Author Name",
  fonts: (
    body: "Lato",
    math: "Lete Sans Math"
  ),
  theme: modern,
  lang: "en",
  logo: image("path_to_image/image.png")
)
```

I.2.2 Themes gallery

Fancy



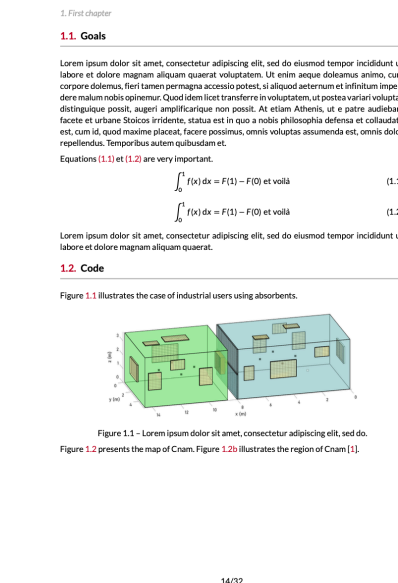
(a) Part



(c) Unnumbered chapter

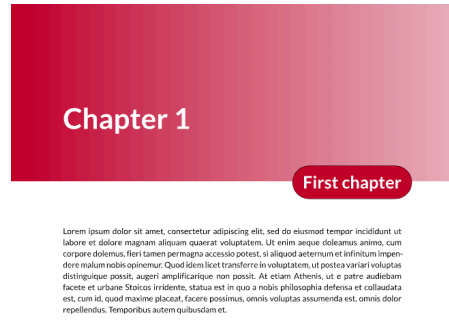


(b) Chapter



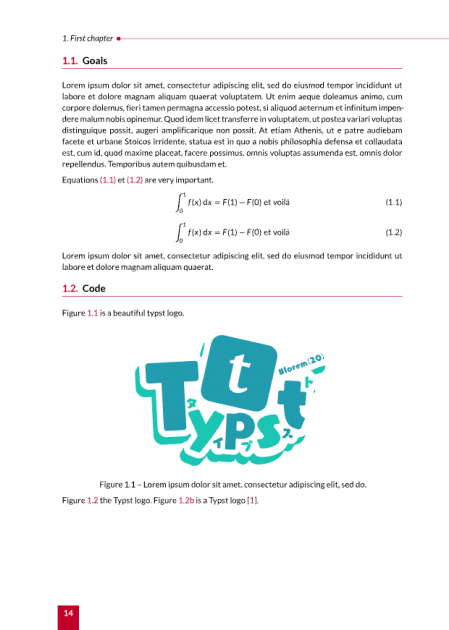
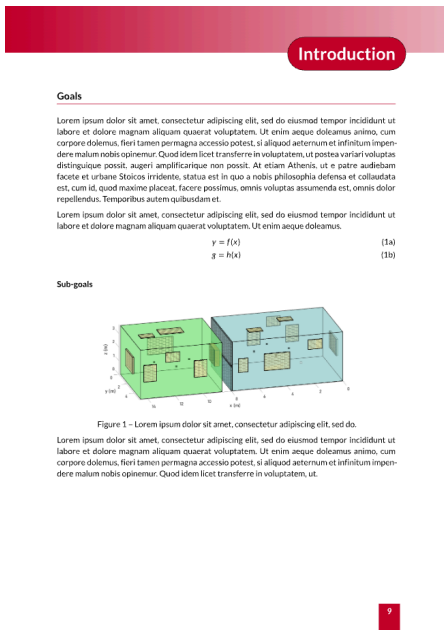
(d) Section

Modern



(a) Part

(b) Chapter



(c) Unnumbered chapter

(d) Section

Part 1

First part

(a) Part

Introduction

Goals

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Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua...

y = f(x) (1a)
z = h(x) (1b)

Sub-goals

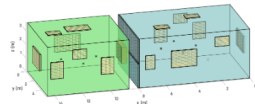


Figure 1 - Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do...

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(c) Unnumbered chapter

Chapter 1

First chapter

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Table of contents

1.1. Goals 14
1.2. Code 14
1.3. Boxes 15

(b) Chapter

1. First chapter

1.1. Goals

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua...

int_0^1 f(x) dx = F(1) - F(0) et voilà (1.1)

int_0^1 f(x) dx = F(1) - F(0) et voilà (1.2)

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua...

1.2. Code

Figure 1.1 is a beautiful typst logo.



Figure 1.1 - Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do...

Figure 1.2 the Typst logo. Figure 1.2b is a Typst logo [1].

(d) Section

Obook

1

First part

Introduction	5
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1. First chapter	8
1.1. Goals	9
1.2. Code	9
1.3. Boxes	10
2. Second chapter	13
2.1. Goals	14
3. Conclusions and outlooks	15

(a) Part

Introduction

Goals

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$y = f(x)$ (1a)
 $g = h(x)$ (1b)

Sub-goals




Figure 1.1 – Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Quis ipsum suspendisse ultram gravida. Risus commodo viverra maecenas accumsan.

(c) Unnumbered chapter

1. First chapter

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Table of contents	
1.1. Goals	9
1.2. Code	9
1.3. Boxes	10

(b) Chapter

14 1. First chapter

1.1. Goals

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Quis ipsum suspendisse ultram gravida. Risus commodo viverra maecenas accumsan.

Equations (1.1) and (1.2) are very important.

$$\int_a^b f(x) dx = F(b) - F(a) \text{ et voilà} \tag{1.1}$$

$$\int_a^b f(x) dx = F(b) - F(a) \text{ et voilà} \tag{1.2}$$

1.2. Code

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Figure 1.2 the Typst logo. Figure 1.2b is a Typst logo [1].

(d) Section

PART I
First part

CHAPTER 1
First chapter

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Table of contents

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1.2. Code	14
1.3. Bones	15

(a) Part

(b) Chapter

Introduction

Goals
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$$y = f(x) \tag{1a}$$
$$z = h(x) \tag{1b}$$

Sub-goals



Figure 1 – Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaeat voluptatem. Ut enim aequae doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquid aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut. [cf. Figure 1]

(c) Unnumbered chapter

1.1. Goals
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Equations (1.1) et (1.2) are very important.

$$\int_a^b f(x) dx = F(b) - F(a) \text{ et voilà} \tag{1.1}$$

$$\int_a^b f(x) dx = F(b) - F(a) \text{ et voilà} \tag{1.2}$$

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1.2. Code
Figure 1.1 is a beautiful typst logo.



Figure 1.1 – Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
Figure 1.2 the Typst logo. Figure 1.2b is a Typst logo [1].

(d) Section

Pretty



(a) Part

Introduction

Goals
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Equations (1.1) and (1.2) are very important.

$$\int_0^1 f(x) dx = F(1) - F(0) \text{ et voilà} \tag{1.1}$$

$$\int_0^1 f(x) dx = F(1) - F(0) \text{ et voilà} \tag{1.2}$$

Sub-goals




Figure 1.1 – Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Quod ipsum liceat transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum illi, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et. (cf. Figure 1)

(c) Unnumbered chapter

I.2.3 Layout

The template currently supports two layouts: standard and tufte.

The standard layout is the default layout, with symmetric margins. It is the most common layout for books and theses. Some examples of the standard layout are presented in Section I.2.2 “Themes gallery”.

Chapter

1 First chapter

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(b) Chapter

1. First chapter

1.1. Goals

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$$\int_0^1 f(x) dx = F(1) - F(0) \text{ et voilà} \tag{1.1}$$

$$\int_0^1 f(x) dx = F(1) - F(0) \text{ et voilà} \tag{1.2}$$

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1.2. Code

Figure 1.1 is a beautiful typst logo.



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Figure 1.2 the typst logo. Figure 1.2b is a Typst logo [1].

(d) Section

The tufte layout is inspired by the works of Edward Tufte, which emphasizes simplicity and clarity, often using wide margins for notes and figures. It is particularly suitable for books or theses that require extensive annotations or side comments. To implement the tufte layout, the template comes with several helper functions, based on the marginalia package, implementing side notes, side figures, full width blocks, etc. (see Section III.7 for details). Some examples of the tufte layout are presented below.

1. First chapter

1.1. Goals

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Equations (1.1) and (1.2) are very important.

$$\int_0^1 f(x) dx = F(1) - F(0) \text{ et vola} \quad (1.1)$$


$$\int_0^1 f(x) dx = F(1) - F(0) \text{ et vola} \quad (1.2)$$

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1.2. Code

Figure 1.1 is a beautiful typst logo.

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(a) (b)

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14/30

(a) Figures and side figures

1.2. Code

accessio potest, si aliquod aeternum et infinitum impendere malum nobis optinemur. Quod idem licet transferre in voluptatem, ut.

Substance	Sublimical °C	Supercritical °C
Hydrochloric Acid	12.0	92.1
Sodium Hexafluoride	16.6	104
Phosphoric Hydroxide		247

Table 1.1: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

[1] Smith, J. M., and Jones, A. B. (2021) Book Title

1.3. Boxes

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1.3.1. Informations

- 1 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
- 2 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
- 3 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
- 4 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
- 5 Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Figure 1.1 - Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Figure 1.2 - (a) Left image and (b) Right image

15/30

(b) Citations

2. Second chapter

2.1. Goals

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Equation (2.1) is very important.

$$\frac{\partial \Psi(x, R_N)}{\partial t} = 0 \quad (2.1)$$

Figure 2.1: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

18/30

(c) Full width elements

Part II

Book content

The content of the book should be written in the main `typ` file or in additional files. The template provides a basic structure for writing a book.

In general, the section of the main file corresponding to the book content is structured as follows:

```
#show: front-matter

#include "front-content.typ"

#show: main-matter

#tableofcontents

#listoffigures

#listoftables

#part("Main body")

#include "chapter.typ"

#bibliography("bibliography.bib")

#show: appendix

#part("Document appendices")

#include "appendix.typ"
```

The content of the thesis is divided into three main sections: `front-matter`, `main-matter`, and `appendix`. These elements are accompanied by additional functions to facilitate writing.

II.1 Environments

The template provides three environments to structure the thesis content:

1. **front-matter**: environment for preliminary content (cover page, abstract, acknowledgments, etc.). Pages are numbered with Roman numerals and chapters are not numbered. To activate this environment, insert the following command in the main `typ` file at the desired location:

```
#show: front-matter
```

2. **main-matter**: environment for the main content (introduction, tables of contents, chapters, conclusion, bibliography, etc.). Pages and chapters are numbered with Arabic numerals. To activate this environment, insert the following command in the main `typ` file at the desired location:

```
#show: main-matter
```

3. **appendix**: environment for the appendices. Pages are numbered with Roman numerals and chapters are numbered with letters. To activate this environment, insert the following command in the main `typ` file at the desired location:

```
#show: appendix
```

II.2 Parts and chapters

To structure the book content, you can define parts using the `#part` function. To insert a new part, use the following command:

```
#part("Part title")
```

Chapters can also be defined using the standard `Typst` markup language. This template defines a function `#chapter` that helps you to avoid boilerplate code, such as the manual inclusion of standard elements like title, abstract, and minitoc.

```
#chapter(
  (title),
  (abstract): none,
  (toc): true,
  (numbered): true,
  (label): none
)[body]
```

Argument

```
(title)
```

```
str
```

Chapter title.

Argument

```
(abstract): none
```

```
content
```

Summary displayed below the chapter title.

Argument

`{toc}: true`

bool

Indicates whether a mini table of contents should be displayed at the beginning of the chapter.

Argument

`{numbered}: true`

bool

Indicates whether the chapter should be numbered.

Argument

`{label}: none`

label

Label for the chapter.

```
#chapter(
  "First chapter",
  abstract: lorem(20),
  label: <ch:1>
)[
  // Content of the chapter
]
```

If you use a *.typ file for each chapter, you can type at the top of the file the following code.

```
#show: chapter.with("First chapter", abstract: lorem(20), toc: true, label:
<ch:1>)

// Content of the chapter
== First section
```

For unnumbered chapters, you can simply use the `#chapter-nonum` function. This function assumes that you have a *.typ file per chapter.

```
#show: chapter-nonum

// Content of the chapter
= Chapter title
```

bookly also provides the `label <nonum-sec>` to create unnumbered sections. To use it, simply add the label `<nonum-sec>` after the title of the considered section.

```
== Section title <nonum-sec>
```

The `<nonum-sec>` label only works for sections and not for chapters. When applied to chapters, it breaks the global numbering of the document. For unnumbered chapters, use the `#chapter-nonum` function. instead

II.3 Tables of contents

The template defines several commands to facilitate the creation of tables of contents:

- `#tableofcontents` : Table of contents
- `#listoffigures` : List of figures
- `#listoftables` : List of tables

A mini table of contents is automatically generated by using the command `#minitoc` in a chapter. This function is a wrapper of the `#suboutline` function provided by the `suboutline` package.

Part III

Helper functions

III.1 Figure captions

The package include the command `#ls-caption` to manage long and short captions for figures and tables. Short caption are displayed in the list of figures or tables, while long captions are used in the main text and in the table of contents.

```
#figure(  
  rect(),  
  caption: ls-caption("Long caption", "Short caption")  
)
```

The code of the command `#ls-caption` comes from the [Typst book](#)¹ by Sitandr.

III.2 Subfigures

In general, figures are inserted into the document using the `#figure` function from `Typst`. However, `Typst` currently does not provide mechanisms for handling subfigures (numbering and referencing). To address this limitation, the template includes a `#subfigure` function that manages subfigures appropriately. This function wraps the `#subpar.grid` function from the `subpar` package.

```
#subfigure(  
  figure(image("image1.png"), caption: []),  
  figure(image("image2.png"), caption: []), <b>,  
  columns: (lfr, lfr),  
  caption: [Figure title],  
  label: <fig:subfig>,  
)
```

The example above shows a figure composed of two subfigures. The first subfigure has a caption, while the second has a `label` but no title. The second subfigure can be referenced in the text using the command `@b`.

¹<https://sitandr.github.io/typst-examples-book/book/snippets/chapters/outlines.html?highlight=long#long-and-short-captions-for-the-outline>

III.3 Equations

To highlight an important equation, use the `#boxeq` function.

```
$
#boxeq[$p(A|B) prop p(B|A) space p(A)$]
$
```

To create an equation without numbering, use the `#nonumeq` function.

```
#nonumeq[$integral_0^1 f(x) dif x = F(1) - F(0)$]
```

bookly also provides the `label <nonum-eq>` to create unnumbered equations. To use it, simply add the label `<nonum-eq>` after the equation.

```
$
integral_0^1 f(x) dif x = F(1) - F(0)
$ <nonum-eq>
```

The command `#nonumeq` will be deprecated in a future version in favor of the label `<nonum-eq>`.

III.4 Information boxes

The template provides several types of boxes to highlight different kinds of content:

- `#info-box` for remarks;
- `#tip-box` for tips;
- `#warning-box` for warnings;
- `#important-box` for important information;
- `#proof-box` for proofs;
- `#question-box` for questions.

```
#info-box[#lorem(10)]
#tip-box[#lorem(10)]
#warning-box[#lorem(10)]
#important-box[#lorem(10)]
#proof-box[#lorem(10)]
#question-box[#lorem(10)]
```

The appearance of the boxes depends on the selected theme (see the “Themes gallery” section).

The information boxes described above are built using the `#custom-box` function, which allows you to create custom boxes. This generic function takes the following parameters:

#custom-box(**{title}**): **none**, **{icon}**: **"info"**, **{color}**: **rgb("#1d90d0")**)[**body**]

Argument

```
{title}: none str
```







Name of the box.

Argument

```
{icon}: "info" str
```

Name of the icon to display in the box.

Available icons are:

-  : "alert"
-  : "info"
-  : "question"
-  : "report"
-  : "stop"
-  : "tip"

Argument

```
{color}: rgb("#1d90d0") color
```

Box color.

III.5 Title pages

The template provides two functions to create title pages: one for a book and one for a thesis :

#book-title-page(
{subtitle}: **"Book subtitle"**,
{edition}: **"First edition"**,
{institution}: **"Institution"**,
{series}: **"Discipline"**,
{year}: **"2024"**,
{cover}: **none**,
{logo}: **none**
)[**body**]

Argument

```
{subtitle}: "Book subtitle" str
```

Subtitle of the book.

Argument

```
{edition}: "First edition" str
```

Edition of the book.

Argument

`{institution}: "Institution"`

str

Name of the institution.

Argument

`{series}: "Discipline"`

str

Name of the series.

Argument

`{year}: "2024"`

str

Year of publication.

Argument

`{cover}: none`

image

Cover image of the book.

Argument

`{logo}: none`

image

Logo of the book.

```
#show: book.with(
  title-page: book-title-page(
    logo: image("path_to_logo/logo.png"),
    cover: image("path_to_image/book-cover.jpg")
  )
)
```

```
#thesis-title-page(
  {type}: "phd",
  {school}: "School name",
  {doctoral-school}: "Name of the doctoral school",
  {supervisor}: ("Supervisor name",),
  {cosupervisor}: none,
  {laboratory}: "Laboratory name",
  {defense-date}: "01 January 1970",
  {discipline}: "Discipline",
  {specialty}: "Speciality",
  {committee}: (:),
  {logo}: none
)[body]
```

Argument	<code><type>: "phd"</code>	str
	Type of thesis. Two values are possible: <ul style="list-style-type: none"> • "phd" for a doctoral thesis • "habilitation" for a French habilitation 	
Argument	<code><school>: "School name"</code>	str
	Name of the institution where the thesis was prepared.	
Argument	<code><doctoral-school>: "Name of the doctoral school"</code>	str
	Name of the doctoral school.	
Argument	<code><supervisor>: ("Supervisor name",)</code>	array
	Name of the thesis supervisor(s) or the guarantor of the habilitation.	
Argument	<code><cosupervisor>: none</code>	array
	Name of the thesis co-supervisor(s).	
Argument	<code><laboratory>: "Laboratory name"</code>	str
	Name of the research laboratory.	
Argument	<code><defense-date>: "01 January 1970"</code>	str
	Date of the thesis defense.	
Argument	<code><discipline>: "Discipline"</code>	str
	Name of the discipline.	
Argument	<code><specialty>: "Speciality"</code>	str
	Name of the specialty.	
Argument	<code><committee>: (:)</code>	array
	Name of the thesis committee members. Each element of the array is a <code>dictionary</code> with the following keys:	

- `name`: Name of the committee member.
- `position`: Position of the committee member (e.g., “Associate Professor”, “Professor”, etc.).
- `affiliation`: Affiliation of the committee member (e.g., “University Name”).
- `role`: Role of the committee member (e.g., “Chair”, “Member”, “Reviewer”).

Argument

`{logo}`: `none`

image

Logo of the institution.

```
#let committee = (
  (
    name: "Hari Seldon",
    position: "Full Professor",
    affiliation: "Streeling university",
    role: "President",
  ),
  (
    name: "Gal Dornick",
    position: "Associate Professor",
    affiliation: "Synnax University",
    role: "Reviewer"
  ),
)

#show: book.with(
  title-page: thesis-title-page(
    supervisor: ("Supervisor A", "Supervisor B"),
    cosupervisor: ("Co-supervisor A", "Co-supervisor B"),
    committee: committee
  )
)
```

For both title pages, the title of the document and its author are automatically generated based on the information given when initializing the template.

III.6 Back cover

A back cover of the document is automatically generated using the `#back-cover` function, which displays information about the thesis (title and author), as well as a summary.

#back-cover(**{resume}**: none, **{abstract}**: none, **{abstracts}**: (), **{logo}**: none)

Argument

{abstracts}

dictionary

Title and summary of the document.

```
#let abstracts-en-fr-de = (
  (
    title: [#set text(lang: "en", region: "gb"); Abstract:],
    text: [#set text(lang: "en", region: "gb")
      This paper presents the objectives, methodology, and main
      results of the work.
    ]
  ),
  (
    title: [#set text(lang: "fr"); Résumé :],
    text: [#set text(lang: "fr")
      Cet article présente les objectifs, la méthodologie et les
      principaux résultats du travail.
    ]
  ),
  (
    title: [#set text(lang: "de"); Zusammenfassung],
    text: [#set text(lang: "de")
      Diese Arbeit beschreibt die Ziele, die Methodik und die
      wichtigsten Ergebnisse.
    ]
  )
)

#back-cover(abstracts: abstracts-en-fr-de, logo: box[logo])
```

Argument

{logo}

array

Logo of the back cover.

```
#let logos = (
  align(left)[#image("images/devise_cnam.svg", width: 45%)],
  align(right)[#image("images/logo_cnam.png", width: 50%)]
)

#back-cover(resume: lorem(10), abstract: lorem(10), logo: logos)
```

III.7 Tufte layout

When the `tufte` layout is selected, several customizations are applied to adapt the appearance of various elements (figures, tables, equations, etc.) to the Tufte style.

#note(`(..note-args)`)[`body`]

Argument

(`..note-args`) arguments

Arguments of the `#note` function provided by the `marginalia` package.

bookly introduces some customization of the `marginalia` `#note` as follows:

```
#let note = note.with(
  counter: ...,
  numbering: ...,
  keep-order: true
)
```

#notefigure(`(..notefigure-args)`)[`body`]

Argument

(`..notefigure-args`) arguments

Arguments of the `#notefigure` function provided by the `marginalia` package.

bookly introduces a slight customization of the `marginalia` `#notefigure` as follows:

```
#let notefigure = notefigure.with(keep-order: true)
```

#notecite(`(key)`, (`dy`): `-1.5em`, (`alignment`): `"baseline"`, (`supplement`): `none`)

Argument

(`key`) label

Key of the reference to cite.

Argument —
 (dy): `-1.5em` length
 Vertical adjustment of the notecite position.

Argument —
 (alignment): `"baseline"` str
 Alignment of the notecite. Possible values are:

- "top": Align the top of the notecite with the reference.
- "caption-top": Align the top of the notecite with the main text baseline.
- "bottom": Align the bottom of the notecite with the reference.
- "baseline" (default): Align the baseline of the notecite with the main text baseline.

Argument —
 (supplement): `none` str
 Supplementary text to add before the citation (e.g., "see", "e.g.", etc.).

#wideblock((side))[body]

Argument —
 (side) auto | str
 Side of the wide block. Possible values are:

- auto: Same as "outer"
- "outer": The wide block is displayed on the outer side of the page.
- "inner": The wide block is displayed on the inner side of the page.
- "left": The wide block is displayed on the left side of the page.
- "right": The wide block is displayed on the right side of the page

To define a full-width figure in the tufte layout, you can use the wideblock function with the side argument set to auto or outer. For example:

```
#wideblock[
  #figure(image("path_to_image/figure.png"), caption: [Full width figure])
]
```

Part IV

Theming

The theming system is designed to be flexible and customizable, allowing users to define their own themes.

IV.1 Custom theme definition

To implement a custom theme, you have to define a function that includes the show and set rules defining the style of the document (headings, footnotes, references, ...). Basically, a theme should be structured as follows:

```
// my-theme.typ
#import "@preview/bookly:3.1.1": *

#let my-theme(colors: default-colors, it) = {
  // Update the theme state
  states.theme.update("custom")

  // Heading Level 1 style
  show heading.where(level: 1): it => {
    // Page break before each part
    if not states.open-right.get() {pagebreak(weak: true)}
    ...
  }

  // Heading Level 2 style
  show heading.where(level: 2): it => {...}

  // Heading Level 3 style
  show heading.where(level: 3): it => {...}

  // Outline entry style
  show outline.entry: it => {...}

  // Other show and set rules
  ...

  it
}
```

You can also define your own functions such as `#part`, `#minitoc` and other elements of the document.

Examples of theming are available in the [Github repository](#)² of the template.

Then, you can initialize the template with your custom theme as follows:

```
#import "path_to_file/my-theme.typ": *

#show: bookly.with(
  theme: my-theme,
  ...
)
```

If you use a multiple files structure with a `*.typ` file for each chapter, you can type at the top of each file the following code to access the functions like `#part` or `#minitoc` defined in the theme file.

```
#import "path_to_file/my-theme.typ": *
```

IV.2 Template states

`bookly` provides some states that can be useful when designing a custom theme. The states are used to store information about the current state of the document. They are collected in a `dictionary`. The following states are available:

- `states.alt-margins` – `bool`: Indicates whether the margins are alternated for odd and even pages when `tuft` layout is enabled.
- `states.author` – `str`: Author of the document.
- `states.colors` – `dictionary`: Color scheme for the document.
- `states.counter-part` – `str`: Counter for parts.
- `states.in-outline` – `bool`: Indicates whether the current section is in the outline.
- `states.isappendix` – `bool`: Indicates whether the current section is an appendix.
- `states.isfrontmatter` – `bool`: Indicates whether the current section is front matter.
- `states.localization` – `dictionary`: Dictionary of terms used in the document (e.g., “chapter”, etc.) in the selected language.

If you need to use a language that is not supported by default, you can modify the `states.localization` dictionary when initializing the template.

²<https://github.com/maucejo/bookly>

For example, to add support for Dutch, you can do the following `#states.localization.update(json("path_to_file/dutch.json"))`. The JSON file should contain the translations of the terms used in the document. For the english version, the JSON file is as follows:

```

1  {
2    "and": " and ",
3    "appendix": "Appendix",
4    "authored": "authored by",
5    "chapter": "Chapter",
6    "committee": "Defense committee",
7    "cosupervisor": "Co-supervisor:",
8    "cosupervisors": "Co-supervisors:",
9    "defended": "defended on",
10   "discipline": "Discipline:",
11   "doctoral-school": "DOCTORAL SCHOOL",
12   "habilitation": "French Habilitation to supervise research",
13   "lof": "List of figures",
14   "lot": "List of tables",
15   "note": "Note",
16   "part": "Part",
17   "phd": "Doctoral thesis",
18   "proof": "Proof",
19   "specialty": "Specialty:",
20   "sponsor": "Sponsor:",
21   "sponsors": "Sponsors:",
22   "supervisor": "Supervisor:",
23   "supervisors": "Supervisors:",
24   "tip": "Tip",
25   "toc": "Table of contents",
26   "version-usage": "This version of can be viewed and downloaded free of charge
27   for personal use only. It must not be redistributed, sold, or used in
28   derivative works.",
29   "warning": "Warning"
30 }

```

- `states.num-heading` – `str`: Numbering pattern for headings.
- `states.num-pattern` – `str`: Numbering pattern for sections.
- `states.num-pattern-eq` – `str`: Numbering pattern for equations.
- `states.num-pattern-fig` – `str`: Numbering pattern for figures.
- `states.num-pattern-subfig` – `str`: Numbering pattern for subfigures.
- `states.open-right` – `bool`: Indicates whether parts and chapters start on a right-hand page.
- `states.page-numbering` – `str`: Numbering pattern for pages.
- `states.part-numbering` – `str`: Numbering pattern for parts.

- `states.sidenotecounter` – `int`: Counter for sidenotes.
- `states.theme` – `str`: Current theme of the document.
- `states.title` – `str`: Title of the document.
- `states.tufte` – `bool`: Indicates whether the current layout is Tufte style.

`bookly` also comes with a function `#reset-counters` to reset the counters for equations, figures, tables, sidenotes, and footnotes.

Part V

Dependencies

The bookly template relies on several [Typst](#) packages to provide additional functionalities:

- `marginalia:0.3.1`: for tuft layout.
- `hydra:0.6.2` : for bibliography management.
- `equate:0.3.2` : for advanced equation numbering.
- `itemize:0.2.0"`: for lists and enumerations customization.
- `showybox:2.0.4` : for custom boxes.
- `suboutline:0.3.0` : for mini tables of contents in chapters.
- `subpar:0.2.2` : for subfigures.

Part VI

Change logs

This section provides a summary of the changes made in each version of the template.

v3.1.1 – April 2026

This minor release fixes minor bugs in obook theme and numbering problems.

v3.1.0 – April 2026

This release fixes several theming issues in modern and pretty themes.

This release also adds a new theme, obook, which is an adaptation of the Legrand orange book template.

v3.0.0 – April 2026

This release introduces a major refactoring of the code to improve the implementation of the tufte layout and make its maintenance easier. This refactoring was necessary to solve some issues related to the tufte layout, particularly when the `alt-margins` option was enabled.

With this release, the API of the functions related to the tufte layout has been updated to take advantage of the features provided by the `marginalia` package. In particular :

- `#sidenote` function has been removed in favor of the `#note` function provided by the `marginalia` package.
- `#sidefigure` function has been removed in favor of the `#notefigure` function provided by the `marginalia` package.
- `#sidecite` function has been renamed to `#notecite` to be consistent with the function naming used in the `marginalia` package.
- `#fullwidth` function has been removed in favor of the `#wideblock` function provided by the `marginalia` package.
- `#fullfigure` function has been removed.

v2.1.1 & v2.1.2 – April 2026

These two patch releases fix theming issues due to tufte layout and `alt-margins` options and some typographical issues in the themes.

v2.1.0 – March 2026

This release introduces a new boolean argument `alt-margins` to the `config-options` dictionary. This argument allows using alternating margins when `tufte` layout is enabled.

v2.0.0 – March 2026

This new release introduces a breaking change in the API of the `sidenote` function. This change aims at making the `sidenote` referenceable.

v1.2.0 – February 2026

This release introduces several new features and improvements:

- Chinese is now officially supported as “zh”.
- Introduction of `open-right` option in `config-options` to allow user choosing between continuous layout and insertion of blank pages between chapters and parts.
- Refactor `back-cover` function to take any abstract in any language.

v1.1.2 – December 2025

This update fixes some minor bugs in the `tufte` layout implementation.

v1.1.0 – October 2025

This release adds the new theme `pretty` as well as new supported languages (`"de"`, `"es"`, `"pt"`).

v1.0.0 – October 2025

This new release marks the point at which `bookly` is considered feature-complete, hence the version number.

This release introduces a number of new features, the most important of which are:

- Theming refactoring, which enables custom themes to be defined in a user-friendly manner.
- ‘`tufte`’ layout: Inspired by the works of Edward Tufte, this layout is characterised by wide margins that can be used for side notes, figures and other elements. It comes with several functions: `sidenote`, `sidefigure`, `sidecite`, `fullfigure` and `fullwidth`.
- A new theme, ‘`orly`’, which mimics the style of O’Reilly books.

v0.1.0 – September 2025

VI Change logs

Initial release of the bookly template.