



GUIDE FOR TYPST POLYTECHNIQUE PACKAGE

A modern alternative to LaTeX

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1DISCOVERING TYPST AND THE TEMPLATE

Typst rendering :

Typst is a user-friendlier alternative to LaTeX. Check out [this pdf source](#) to see how it was generated.

Source code :

```
Typst is a user-friendlier alternative to LaTeX. Check out #link("https://github.com/remigerme/typst-polytechnique/blob/main/guide.typ")[this pdf source] to see how it was generated.
```

1.1 HEADINGS

Typst rendering :

1.1 • LEVEL 3 HEADING

Source code :

```
=== Level 3 heading
```

Use only one (resp. two) = for level 1 (resp. 2) heading (and so on).

Typst rendering :

• LEVEL 3 HEADING WITHOUT NUMBERING

1.1.1.1 Level 4 heading

Source code :

```
#heading(level: 3, numbering: none)[Level 3 heading without numbering]
=== Level 4 heading
```

1.2 COVER PAGE

```
// Defining variables for the cover page and PDF metadata
// Main title on cover page
#let title = [Guide for Typst #linebreak() Polytechnique package]
// Subtitle on cover page
#let subtitle = "A modern alternative to LaTeX"
// Logo on cover page
#let logo = none // instead of none set to image("path/to/my-logo.png")
#let logo-horizontal = true // set to true if the logo is squared or horizontal, set to false
if not
// Short title on headers
#let short-title = "package guide"
#let author = "Rémi Germe"
#let date-start = datetime(year: 2024, month: 06, day: 05)
#let date-end = datetime(year: 2024, month: 09, day: 05)
// Set to true for bigger margins and so on (good luck with your report)
#let despair-mode = false

#set text(lang: "en")

// Set document metadata
#set document(title: title, author: author, date: datetime.today())
#show: template.apply.with(despair-mode: despair-mode)

// Cover page
#template.cover.cover(title, author, date-start, date-end, subtitle: subtitle, logo: logo,
logo-horizontal: logo-horizontal)
#pagebreak()
```

Set text lang to fr if you want the months in French.

You can also specify short-month: true in the call to cover to get month abbreviations.

1.3 DOING SOME MATH

Typst rendering :

Inline : $PV = nRT$ and $f : x \rightarrow \frac{1}{18}x^4, \forall x \in \mathbb{R}, f(x) \geq 0$.

Source code :

```
Inline :  $P V = n R T$  and  $f : x \rightarrow 1/18 x^4$ ,  $\forall x \in \mathbb{R}, f(x) \geq 0$ .
```

Typst rendering :

Block (note space after opening $\$$ and before closing $\$$) :

$$f(b) = \sum_{k=0}^n \frac{(b-a)^k}{k!} f^{(k)}(a) + \int_a^b \frac{(b-t)^n}{n!} f^{(n+1)}(t) dt$$

Source code :

```
Block (note space after opening  $\$$  and before closing  $\$$ ) :  $f(b) = \sum_{k=0}^n (b-a)^k / k! f^{(k)}(a) + \int_a^b (b-t)^n / n! f^{(n+1)}(t) dt$ 
```

1.4 TABLE OF CONTENTS

You can generate a table of contents using `#outline()`. Here are useful parameters you can specify :

- indent
- depth
- title (put the title inside brackets : [title])

For example, the previous table of contents was generated using :

```
#outline(title: [Guide content], indent: 1em, depth: 2)
```

1.5 CITE AN ARTICLE

Typst rendering :

You can cite an article, a book or something like [1]. Just see the `#bibliography` command below - you need a `.bib` file containing the bibliography.

Source code :

```
You can cite an article, a book or something like @example-turing. Just see the #bibliography` command below - you need a .bib` file containing the bibliography.
```

1.6 NUMBERING PAGES

Useful commands to number pages (learn about [numbering patterns](#)) :

```
#set page(numbering: none)      // to disable page numbering
#set page(numbering: "1 / 1")  // or another numbering pattern
#counter(page).update(1)       // to reset the page counter to 1
```

Warning : put these instructions at the very beginning of a page, otherwise it will cause a pagebreak.

Typst rendering :

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat voluptatem. Ut enim aequi doleamus.

Source code :

```
#lorem(25)
```

1.7 DUMMY TEXT WITH LOREM

You can generate dummy text with the `#lorem(n)` command. For example : lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

2MODIFY THE TEMPLATE



2.1 CONTRIBUTE



Contributions are welcomed ! Check out the [source repository](#).

You can also learn more about [Typst packages](#) release pipeline.

BIBLIOGRAPHY

- [1] A. M. TURING, "I.—COMPUTING MACHINERY AND INTELLIGENCE," *Mind*, vol. 59, no. 236, pp. 433–460, 1950, doi: [10.1093/mind/LIX.236.433](https://doi.org/10.1093/mind/LIX.236.433).