

ÚFAL slides template

This time in Typst!

Zdeněk Kasner

 16 Sep 2025











What is this?

- This slide deck is created with Typst – a markup-based typesetting system
 - We use also Polylux for slide-related commands.
- The template `ufal.typ` is inspired by the ÚFAL Google Slides template and Milan Straka's SliMD template.
- It is different than the ÚFAL Marp template: see the comparison slide.

typst

Main features

-  **Easy editing:** Create slides in your favourite text editor with live preview.
-  **Git-friendly:** You can version-control your presentations.
-  **Multiple export formats:** Export to PDF or PNG.
-  **LaTeX support:** Mathematical typesetting with native Typst math.
-  **Advanced typography:** Use Typst's powerful layout system.
-  **Consistency:** Everything is nice and aligned without too much effort.
-  **Auto footer:** No more manual copying of the bottom orange bar 💪
-  **Popular framework:** Typst has [excellent documentation](#) and many extensions.

Should I use the **Typst template** (this one) or the [Marp template](#)?

Typst

- ✓ Nicer markup language.
- ✓ More powerful layout handling.
- ✓ Online collaboration.
- ✗ PDF-only - no interactive content.

Marp

- ✓ Simpler markup language.
- ✓ Interactive content (video, audio).
- ✗ Need to use HTML for advanced stuff.

How to use it?

See the code and the [tutorial](#) on how to use the Typst markup syntax.

This is an H3 header.

- This is a bulleted list.
 - With a nested item.
- 1. And this is a numbered list.

You can also use **bold text**, *italic text*, [links](#), monospace, etc.

—

With Typst, you can modify layout or text properties to your liking using functions such as `#text()` or `#align()`.

This template uses [Polylux](#), which provides various layout options:

- Use `#slide[content]` for regular slides
- Use `#title-slide`, `#part-slide`, and `#summary-slide` for special layouts.
- Use `toolbox.side-by-side` for two-column layouts.



You can also create info boxes with the helper function:

- `#infobox(title: "Title", icon: "💡")[content]`

Image placement and sizing

Use Typst's image syntax to include an image:

```
#image("img/transformer.png", height: 3cm)
```



Math typesetting

You can render both inline math: $E = mc^2$ and separate equations:

$$\mathcal{L}(\theta) = \sum_{i=1}^n \log p(y_i \mid x_i, \theta) - \lambda \|\theta\|_2^2$$

Warning

Typst math syntax is **different** from the LaTeX syntax.

Use this [online convertor](#) to convert your equations between these two.

This slide uses the `#blank-slide` command.

Python code

Syntax highlighting is supported:





```
def factorial(n):  
    if n == 0:  
        return 1  
    else:  
        return n * factorial(n - 1)
```

Javascript code

```
function greet(name) {  
    console.log(`Hello, ${name}!`);  
}
```

i Note

Use `toolbox.side-by-side` to display content in multiple columns.

Model	Metric 1	Metric 2	Rating
not LLM 1	14.5		Mediocre
not LLM 2	5.5		Worst
not LLM 3	6.9		Even worse
LLM	99.8		Greatest thing ever!

- Tables automatically get proper styling.
- You can add source links using the `source-link` function.

[source: Our experiments](#)

Polylux Animation Features

Item-by-item lists



Animation Controls

Use start: N parameter to control when animations begin on specific subslides.

See also other 👉 [Polylux features](#).

Polylux Animation Features

Item-by-item lists

- Basic bullet points



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Polylux Animation Features

Item-by-item lists

- Basic bullet points
- Appear one by one



Animation Controls

Use start: N parameter to control when animations begin on specific subslides.

See also other 👉 [Polylux features](#).

Polylux Animation Features

Item-by-item lists

- Basic bullet points
- Appear one by one

One-by-one content blocks

First content block



Animation Controls

Use start: N parameter to control when animations begin on specific subslides.

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Polylux Animation Features

Item-by-item lists

- Basic bullet points
- Appear one by one

One-by-one content blocks

First content block Second content block



Animation Controls

Use start: N parameter to control when animations begin on specific subslides.

See also other 👉 [Polylux features](#).

Practical tips

Live preview

Use any text editor with Typst support for **live preview**:

- VS Code with the [Tinymist Typst extension](#)
- Neovim with [typst.vim](#)
- Online [Typst web app](#) (useful also for collaboration)

Compilation CLI

```
$ typst compile slides.typ slides.pdf
$ typst watch slides.typ slides.pdf # Auto-recompile
```

- [Typst Documentation](#)
- [Polylux: Presentation slides in Typst](#)
- [Touying: Modern presentation framework for Typst](#)
- [Typst Packages Repository](#)
- [Typst Community Discord](#)
- [Original ÚFAL Marp Theme](#)

ÚFAL Typst Template

Summary

This template is the **dark horse** of all the ÚFAL templates 🔥

It is easy to use, extensible, and looks great.

Don't be lazy, learn **Typst**!

<https://github.com/kasnerz/typst-ufal>