

Basic Syntax and Text Formatting

Typst is a modern, fast, and easy-to-use markup language for document preparation, designed as an alternative to LaTeX.

- Sections: Use `=` for headers. Add more `=` for sub-headers (e.g., `= Level 2`).
- Bold: `*bold text*`.
- Italic: `_italic text_`.
- Monospace (Code): `code` .
- Lists:
 - - `Item`: Unordered.
 - + `Item`: Ordered.
- Links: `https://typst.app`.

Document Layout (Scripting Mode)

Commands starting with `#` are used for control and layout.

- Show Rule: `#show: ...` (Apply styles to elements).
- Set Rule: `#set text(font: "Linux Libertine")` (Set defaults).
- Functions: `template.with(title: "My Doc")`.
- Metadata: `#datetime.today().display()`.

Mathematics

Enclose math expressions in `$`.

- Inline: `$x + y = z$`.
- Block:


```
$ sum_{i=1}^n i = (n(n+1)) / 2 $
```
- Symbols: Supports intuitive names like `alpha`, `sum`, `integral`.

Figures and Media

- Images: `image("path/to/img.png", width: 50%)`.
- Figures:


```
#figure(
  image("logo.png"),
  caption: [My Figure Caption]
)
```

Tables

```
#table(
  columns: (1fr, auto),
  inset: 10pt,
  align: horizon,
  table.header([Name], [Age]),
  [Alice], [25],
  [Bob], [30],
)
```

Code Blocks

Single backticks for inline, triple backticks for blocks. Supports syntax highlighting.

```
#
rust fn main() { println!("Hello Typst!"); }
```

Page Setup

```
#set page(
  paper: "a4",
  margin: (x: 2cm, y: 1.5cm),
  header: [My Document],
  footer: [Page
#counter(page).display()],
)
```

Variables and Logic

- Variables: `#let x = 10`.
- Conditionals: `#if x > 5 [True] else [False]`.
- Loops: `#for i in range(5) [#i]`.

Pro Tips

Local Fonts

Use `--font-path` during compilation to use custom fonts not installed on the system: `typst compile --font-path ./fonts my_doc.typ`

Live Preview

Use `typst watch` to automatically recompile the document as you save changes. It works great with PDF viewers that support auto-reload.

Packages

Typst has a built-in package manager. Import community packages using: `#import "@preview/tablex:0.0.8": *`