Typst Syntax

Contents

This is not a reference to Typst syntax, see Typst Reference for that. This is a demonstration of what you can do with Typst syntax in Tybios.

Basic Text

This is a normal text. You can make it *italic* or **bold**. You can also make it ***both***. And underlined, ~~strikethrough~~, overlined are also supported. Why not <mark>make it highlighted</mark>?

Left a blank line to start a new paragraph.
Insert \ to break a line without starting a new paragraph.

Some characters need to be escaped, such as #, *, _, `, \, as they are markup characters.

Unfortunately, you can't change the font family, size and color inside Typst, they are determined by CSS in Tybios.

Links

Links can be created using the `#link(target, content)`[1] function. The first argument is the URL, and the second argument is the text to display.

Target can be a URL, like source of Tybios or home page. Typst label an be also a target, like the sine diagram figure or this section.

See more imformation about links in Typst Reference: link.

Blockquotes

Use `#quote(block: true, attribution: "Author Name")[Content]` to create a blockquote with attribution.

> A human being should be able to change a diaper, plan an invasion, butcher a hog, conn a ship, design a building, write a sonnet, balance accounts, build a wall, set a bone, comfort the dying, take orders, give orders, cooperate, act alone, solve equations, analyse a new problem, pitch manure, program a computer, cook a tasty meal, fight efficiently, die gallantly. Specialization is for insects.
>
> — Robert A. Heinlein

Raw Blocks

This is an inline raw block `println!("Hello, world!");`.

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[1] Or `#link(target)[content]`, this is a syntactic sugar for the special case of first form: `#link(target, [content])`.

This is an inline syntax-highlighted raw block `println!("Hello, world!");`.

This is a long inline raw block `@media(prefers-color-scheme:dark){:root{background-color:var(--color-neutral-900);color:var(--color-neutral-300)}}`.

Js syntax highlight are handled by syntect:

```
1 class T {
2   constructor() {
3     console.log("Hello, world!");
4   }
5 }
```

Typst syntax hightlight are specially handled internally:

```
1 #let fn(x) = x
```

Equations

This is an inline equation $E = mc^2$.

This is a display equation:

$$\int_0^{+\infty} \frac{\ln x}{x^2 - 1}\, \mathrm{d}x = \frac{1}{2} \int_{x>0} \int_{y>0} \frac{\mathrm{d}x\, \mathrm{d}y}{(1+y)(1+x^2 y)} = \frac{\pi^2}{4}.$$

Tables

Create a table using the `#table()` function. See more information about tables in Typst Reference: Table Function.

Framework	Language	License	Description
Astro	TypeScript	MIT	The web framework for content-driven websites.
Eleventy	JavaScript	MIT	A simpler site generator.
Hugo	Go	Apache-2.0	The world's fastest framework for building websites.
Zola	Rust	MIT / EUPL-1.2	A static site generator in a single binary with everything built-in.

Table 1: Comparison of static site generators

Prefer to Markdown tables? A Typst package tablem can help you with that.

Name	Location	Height	Score
John	Second St.	180 cm	5
Wally	Third Av.	160 cm	10

Figures

Use `#tybios.frame()` to wrap any content that can't automatically convert to HTML, convert them to SVGs.[2]

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[2]Converted SVGs will adapt to dark theme by color invert and hue rotation, but the result may not be perfect.
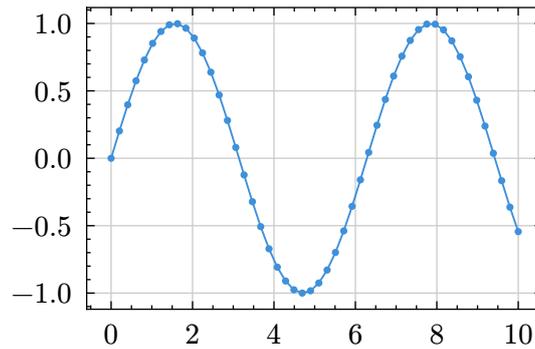
Figure 1: The diagram of the sine function

Lists

- An unordered list here
- You can use - to start a unordered list item.

1. An ordered list here
2. You can use + to start a ordered list item, and the number will be automatically generated.
6. You can also use numbers to specify the order.
7. After a specified order item, the next item will continue the order you specified.

Term A word or expression that has a precise meaning in some uses or is peculiar to a science, art, profession, or subject. Here is a list of terms.

SVG **S**calable **V**ector **G**raphics, an XML-based markup language for describing two-dimensional based vector graphics.

XML E**X**tensible **M**arkup **L**anguage, a strict serialization of the DOM.

DOM **D**ocument **O**bject **M**odel, connects web pages to scripts or programming languages by representing the structure of a document.

HTML **H**yper**T**ext **M**arkup **L**anguage, a standard for structuring web content.

URL **U**niform **R**esource **L**ocator, a text string that specifies where a resource can be found on the Internet.