

# 1. Examples

Paragraph 1.

Paragraph 2.

Paragraph 3

with line break.

## 1.1. Simple content

- **bold**
- *emphasis*
- code
- “quotes”
  - ▶ Indented
  - 1. numbered
  - 2. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.
  - 3. underline
  - 4. orange smaller text
- link
- []

fenced code block with \*syntax highlighting\*

We are not born to be doomed on one planet.

— Me

“Never lose hope.”

inline math:  $a + \frac{b}{c} = \sum_i x^i$

display math:

$$7.32\beta + \sum_{i=0}^{\nabla} \frac{Q_i(a_i - \varepsilon)}{2}$$

## I.2: Figure

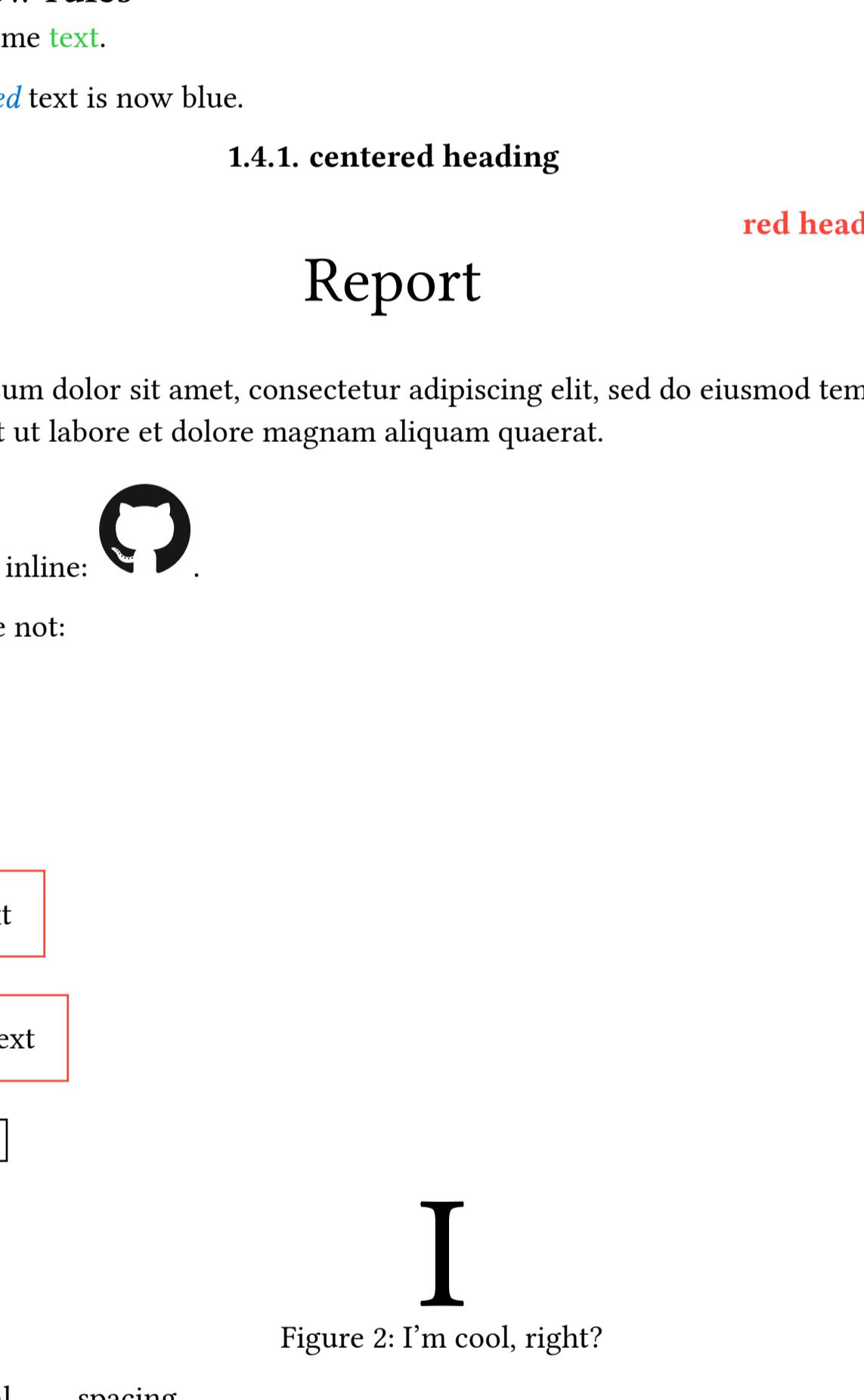


Figure 1: caption

## 1.3. Tables

|                       |                      |
|-----------------------|----------------------|
| Points                | <input type="text"/> |
| Millimeters           | <input type="text"/> |
| Centimeters           | <input type="text"/> |
| Inches                | <input type="text"/> |
| Relative to font size | <input type="text"/> |

## 1.4. Show rules

Here is some **text**.

*emphasized* text is now blue.

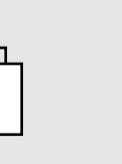
### 1.4.1. centered heading

red heading

## Report

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

Boxes are inline:



Blocks are not:



.

Box text

Block text

Rect text

I

Figure 2: I'm cool, right?

Horizontal spacing.

And some vertical too!

Double font size:



This line width is 50% of the box width:



Single fraction length just takes maximum size possible to fill the parent:

Left

Right



If you use several fractions inside one parent, they will take all remaining space proportional to their number:

Left

Left-ish

Right



This is mirrored.

It is mirrored.

## This is enlarged.

## This is enlarged

## and eats what follows

Something is hidden before this but occupies space.

The rest are shown in two columns except for this paragraph. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Left

Right

## 1.5. Scripting

|   |   |
|---|---|
| 0 | 1 |
| 1 | 2 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |

Hello, Typst function!

Hello, Typst function shorthand!

By default braces return anything that “returns” into them.

Str1Str2Lorem ipsum dolor sit amet.

Str

Hello, Typst function with default value.

Hello, Typst function with named argument.

true

[[It is], [ ], emph(body: [content]), [!]]]

none

### 1.5.1. String

another small string

("another", "small", "string")

-3

255

8

9

1024

### 1.5.2. List

(1, 7, 4, -3, 2)

2

4

(1, 7, -3)

()

### 1.5.3. Dict

(name: "Typst", born: 2019)

2019

true

(:)

### 1.5.4. Conditions & loops

a matches the condition

Number 3 is added to sum. Now sum is 3. Number 4 is added to sum. Now sum is 7. Number 5 is added to sum. Now sum is 12.

Alice has 3 apples. Bob has 5 apples.

Some text.

(1, "a")

(width: 50%, block: false)

### 1.5.5. State

New value is 10.

New value is 13.

New value is 26.

New value is 21.

Value at <here> is 13

New value is 10.

New value is 13.

**Here.**

New value is 26.

New value is 21.

### 1.5.6. Math

$$\forall v, w \in V, \alpha \in \mathbb{K} : \alpha \cdot (v + w) = \alpha v + \alpha w$$

$$\int, \oint, \iint, \ointc, \ointcc$$

$$<, \otimes, \prec, \leq, \preccurlyeq, \not\prec, \not\leq, \not\preccurlyeq, >, \preccurlyeq, \not\preccurlyeq$$

$$\downarrow, \triangleright, \langle$$

$$\oplus, \otimes, \oplus$$

$$\square, \blacksquare, \blacklozenge, \rightarrow$$

$$\alpha, A, \beta, B, \delta, \gamma, \pi, \Pi,$$

$$\varpi, \varphi, \phi, \Phi, o, \kappa, \varkappa, \Psi,$$

$$\theta, \vartheta, \xi, \zeta, \rho, \varrho, \wp, K,$$

$$\mathbb{A}, \mathbb{A}, \mathbb{1}$$

$$\emptyset, \mathbb{Q}, \emptyset$$

$$\emptyset, \mathbb{Q}, \emptyset$$

$$\emptyset, \mathbb{Q}, \emptyset$$

$$\frac{a^2 + b^2}{2}$$

$$\left\{ \left[ \left( \frac{a+b}{2} \right) + 1 \right]_0 \right\}$$

$$\left[ \frac{a}{2}, b \right)$$

$$|a+b|, \|a+b\|, [a+b], \lceil a+b \rceil, \lfloor a+b \rfloor$$

$$x = 5$$

$$\frac{3x+y}{7} = 9 \quad \text{given}$$

$$3x + y = 63 \quad \text{multiply by 7}$$

$$3x = 63 - y \quad \text{subtract y}$$

$$x = 21 - \frac{y}{3} \quad \text{divide by 3}$$

$$\sum_a^b$$

$$\int_a^b$$

$$\sum_a^b$$

$$a \underset{\text{By lemma 1}}{=} b, a =_+ b$$

arccos, arcsin, arctan, arg, cos, cosh, cot, coth, csc,

csch, ctg, deg, det, dim, exp, gcd, hom, id, im, inf, ker,

lg, lim, lim inf, lim sup, ln, log, max, min, mod, Pr, sec,

sech, sin, sinc, sinh, sup, tan, tanh, tg and tr

arcsinh x

$\lim_{x \rightarrow \infty}$

$\overline{\lim}_{x \rightarrow \infty}$

$\int dx x^2$

Inline, but like true display:  $\sum_0^\infty e^{x^a}$

$$\binom{a}{b} + \binom{1}{3} = \binom{a+1}{b+2}$$

$$\begin{Bmatrix} 1 \\ 2 \\ 3 \end{Bmatrix}$$

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$$\binom{a}{b} \binom{a}{c} \binom{a}{b}$$

$$\begin{pmatrix} 1 & 2 & \dots & 10 \\ 2 & 2 & \dots & 10 \\ \vdots & \vdots & \ddots & \vdots \\ 10 & 10 & \dots & 10 \end{pmatrix}$$

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&lt;