Default Style

English

Theorem 1. Just a text

Theorem 2 (Caption). Just a text

Definition 1. Just a text

Definition 2 (Caption). Just a text

Russian

Теорема 3. Just a text

Теорема 4 (Caption). Just a text

Custom commands

Problem 1. What $1 + 1$ equals to in $\mathbb{Z}_2$?

Solution. Observe that $1 + 1$ is 2, and $2 \bmod 2$ is 0. Hense, the answer is 0.

Problem 2*. Prove that $\mathbb{Z}_2$ is a field.

Hint: Verify all axioms of a field exaustively.

Supported features

Theorem 5. Just a theorem.

Theorem. Just a theorem without number.

Lemma 6. Setting kind to “theorem” makes “lemma” share numbering with it.

Theorem 7 (Author). Just a theorem with caption.

Proof. Just a proof. ∎

Proof. Just a proof without `math.qed` at the end.

Definition 3. Just a definition.

Definition 4. Just a definition that references Def. 3.

Apology 1. Custom element before applying any styling.

Postulate 1. Custom element with specified styling.

Problem 3. Custom element with generic styling.

Languages support

Теорема 8. Lorem ipsum dolor sit amet.

Teorema 9. Lorem ipsum dolor sit amet.

Satz 10. Lorem ipsum dolor sit amet.

定理 11. Lorem ipsum dolor sit amet.

Supported languages: en, ru, de, fr, es, it, pt, pl, cs, zh, ja, ko, ar,

Russian Numbering

1. Plain numbering (default)

Definitions (in Russian):

Определение 5.

Определение 6.

$$f^o r_m u^l a \tag{1}$$

2. Per-section numbering

Определение 2.1.

Определение 2.2.

$$f^o r_m u^l a \tag{2.1}$$

3. Per-section numbering (second time)

Определение 3.1.

$$f^o r_m u^l a \tag{3.1}$$

$$f^o r_m u^l a \tag{3.2}$$

4. Referencing

Because in Russian the words for «definition», «equation», etc. can have different forms in a sentence, we remove supplement in **all** references, and write «определение» (definition), «уравнение» (equation), «рисунок» (figure), etc. explicitly:

После определения 5 шло определение 2.1, а определению 3.1 мы уделили внимание в последнюю очередь. В конце мы написали уравнение (3.2).

Numbering

5. Plain numbering (default)

Definition 1.

Definition 2.

$$f^o r_m u^l a \tag{1}$$

$$f^o r_m u^l a \tag{2}$$

6. Per-section numbering

Definition 6.1.

Definition 6.2.

$$f^o r_m u^l a \tag{6.1}$$

$$f^o r_m u^l a \tag{6.2}$$

7. Per-section numbering (second time)

Definition 7.1.

Definition 7.2.

$$f^o r_m u^l a \tag{7.1}$$

$$f^o r_m u^l a \tag{7.2}$$

8. Referencing

Among others there were Definition 1, Definition 6.1, Definition 7.1. At the end, we wrote Equation (7.2).

Example styles

Default style

Definition 1. Lorem ipsum dolor sit amet, consectetur adipiscing.

Theorem 1 (Lorem ipsum.). Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.

Figure 1: An image

Lorem ipsum dolor sit amet.

Proof. Lorem ipsum dolor sit amet, consectetur adipiscing elit. ∎

Not bold caption

```
#show figure-where-kind-in(
  theofig-kinds
): show-figure-caption(strong.with(delta: -300))
```

Definition 2. Lorem ipsum dolor sit amet, consectetur adipiscing.

Theorem 2 (Lorem ipsum.). Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.

Figure 2: An image

Lorem ipsum dolor sit amet.

Proof. Lorem ipsum dolor sit amet, consectetur adipiscing elit. ∎

Italic body

```
#show figure-where-kind-in(theofig-kinds): it => {
  show: emph                // apply emph
  show figure.caption: emph // remove emph from caption
  it
}
```

Definition 3. *Lorem ipsum dolor sit amet, consectetur adipiscing.*

Theorem 3 (Lorem ipsum.). *Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.*

Figure 3: An image

Lorem ipsum dolor sit amet.

Proof. *Lorem ipsum dolor sit amet, consectetur adipiscing elit.* ∎

Block

```
#show figure-where-kind-in(theofig-kinds): block.with(
  inset: 5pt, stroke: 1pt, fill: aqua, radius: 5pt,
)
```

Definition 4. Lorem ipsum dolor sit amet, consectetur adipiscing.

Theorem 4 (Lorem ipsum.). Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.

Figure 4: An image

Lorem ipsum dolor sit amet.

Proof. Lorem ipsum dolor sit amet, consectetur adipiscing elit. ∎

Custom numbering

```
#show figure-where-kind-in(
  theofig-kinds
): set figure(numbering: "I")
```

Note that nested figures will be affected by that, and you either have to explicitly reset correct numbering for nested figures, or set numbering for each individual function using redefinitions like

```
#let theorem = theorem.with(numbering: "I")
#let definition = theorem.with(numbering: "I")
// etc
```

Definition V. Lorem ipsum dolor sit amet, consectetur adipiscing.

Theorem V (Lorem ipsum.). Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.

Figure V: An image

Lorem ipsum dolor sit amet.

Proof. Lorem ipsum dolor sit amet, consectetur adipiscing elit. ∎

Choosing what to style

Here, we set all environments to have bold title, except examples and remarks, for which we make italic title and semicolon separator. Also, we disable numbering for remarks and examples.

Theorem 6 (Author). Statement of the theorem.

Proof (by me). Proof of the theorem. ∎

Remark: We notice something.

Example: We discuss an example.