

This document at the moment consists  
of the examples that author wants to work.

# **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**

Teopema 3. Just a text

Teopema 4 (Caption). Just a text

## Styling

**Theorem 5.** Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliquam quaerat voluptatem. Ut enim aequo doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut.

Lore*m* ipsum dolor sit amet, consectetur adipisci*ng* elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliquam quaerat voluptatem. Ut enim aequ*e* doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut.

Figure 1: Lorem ipsum dolor sit amet.

# 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  $0$ . Hence, the answer is  $0$ .

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

*Hint:* Verify all axioms of a field exhaustively.

## Supported features

**Theorem 6.** Just a theorem.

**Theorem.** Just a theorem without number.

**Lemma 7.** Setting kind to “theorem” makes “lemma” share numbering with it.

**Theorem 8 (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

**Teopema 9.** Lorem ipsum dolor sit amet.

**Teorema 10.** Lorem ipsum dolor sit amet.

**Satz 11.** Lorem ipsum dolor sit amet.

**定理 12.** 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.**

$$f^o r_m u^l a \quad (1)$$

## 2. Per-section numbering

**Определение 2.1.**

**Определение 2.2.**

$$f^o r_m u^l a \quad (2.1)$$

## 3. Per-section numbering (second time)

**Определение 3.1.**

$$f^o r_m u^l a \quad (3.1)$$

$$f^o r_m u^l a \quad (3.2)$$

## 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.**

$$f^o r_m u^l a \quad (1)$$

$$f^o r_m u^l a \quad (2)$$

### **6. Per-section numbering**

**Definition 6.1.**

**Definition 6.2.**

$$f^o r_m u^l a \quad (6.1)$$

$$f^o r_m u^l a \quad (6.2)$$

### **7. Per-section numbering (second time)**

**Definition 7.1.**

**Definition 7.2.**

$$f^o r_m u^l a \quad (7.1)$$

$$f^o r_m u^l a \quad (7.2)$$

## **8. Referencing**

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

# Styling

*Definition 1.* Basic style.

*Definition 2.* Italic title.

*Definition 3:* Italic title and semicolon separator.

**Definition 4.** Bold title.

**Definition 5.** *Bold title and intalic body.*

**Definition 6.** Bold title and boxed with border.

**Definition 7.** Bold title and boxed with fill.

## 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 1 (Author).** Statement of the theorem.

**Proof (by me).** Proof of the theorem. ■

*Remark:* We notice something.

*Example:* We discuss an example.