Workshop

Seppe Staelens

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1 Introduction

Here I am introducing my project.
    This is a new line.
This is a new line without indent.
This is a new line as well, also without indent.

    This is a new paragraph

This is a new paragraph without indentation.

1.1 part of intro

1.1.1 very small detail

2 Main stuff

2.1 Mathematics

To write maths, we need to enter *math mode*. This is **very important**.
    The basic way to enter math mode is by inserting maths between dollar signs. So I can now write $x = 4$.
Notice the difference without dollar signs, x = 4. If we have a longer equation, that we want to centralize, we can use double dollar signs like this:

$$\int_{0}^{+\infty} e^{-x}\mathrm{d}x = 1$$

Suppose I have a very important equation, that I want to refer to later. Also

$$a^p \equiv a \mod p \tag{1}$$

$$a^2 + b^2 = c^2 \tag{2}$$

Look at equation (2).

If I have a calculation to do, and I want multiple lines of math mode, I can do

$$x = (a + b)^2$$
$$\Leftrightarrow x = a^2 + 2ab + b^2$$

Proof. I will prove the Riemann hypothesis.

Done $\mathbb{R}$ $\#\mathbb{R} = 2^{\aleph_0}$ $A = \{1, 2, 3\}$ $\qquad\square$