

# The **edumath** package<sup>\*†</sup>

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**Abstract** This package provides commands and environments commonly used in educational contexts of mathematics. Frequently required packages are loaded. Commands and environments are defined, which simplify the use of  $\LaTeX$  in the described context.

edumath refers to notations usually used in Germany (Baden-Württemberg in particular).

**Warning:** The edumath package is currently under development. All functionality, settings and macros as well as file names can change in later versions and may be incomplete! The English documentation doesn't exist either. It is experimental and not ready for production use.

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<sup>\*</sup>Available on <http://www.ctan.org/pkg/edumath>.

<sup>†</sup>Development version available on <https://github.com/wunderlich/edumath>.

# Part I

## Introduction

### 1 About edumath

If you want to use  $\text{\LaTeX}$  in educational institutions (notably schools) in contexts of mathematics, many recurring contents and formulas are needed. Typical examples are special sets (e. g.  $\mathbb{N}$ ,  $\mathbb{Q}$ ,  $\mathbb{R}$ , ...) or the labeling of equivalence transformations:

$$4x + 10 = 18 \mid -10$$

$$4x = 8 \mid :4$$

$$x = 2$$

By using edumath commands and environments are provided which simplify the creation of such contents. Some of them originate from existing packages, some are newly defined. With a large number of options edumath can be customized to the personal requirements.

The origin of this edumath is Germany (Baden-Württemberg), for which reason the local notation is used.

# Part II

## Documentation

**Todo:** Write English documentation.

