

Title

author1<sup>1</sup>

author2<sup>2</sup>

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<sup>1</sup>contact to author1

<sup>2</sup>contact to author2



# Preface

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# Chapter 1

## Test

### §1 T<sub>E</sub>Xplate Usage

#### 1.1 Compiling

Change the `PATH/` to the relative path (Mac OS or Linux) or absolute path (Windows) to this file in `\newcommand{\PATH}{PATH/}` in the preamble, and run the following command in your command line:

`xelatex filename` (.tex can be omitted)

`biber filename` (.bib can be omitted)

`xelatex filename`

`xelatex filename`

#### 1.2 Examples

Citation: [1].



(a) Caption



(b) Caption

Figure 1.1: An example for subfigures

An example for *cross reference*: Fig 1.1a is the logo for the L<sub>A</sub>T<sub>E</sub>X Project.

**Theorem 1.1.** *Inline equation:*

$$\int \frac{dy}{dx} dx = y(x) + C. \quad (1-1)$$

**Corollary 1.** *Multiline equations and the alignment:*

$$\nabla \cdot \mathbf{D} = \rho \tag{1-2}$$

$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t} \tag{1-3}$$

$$\nabla \cdot \mathbf{B} = 0 \tag{1-4}$$

$$\nabla \times \mathbf{H} = \mathbf{j} + \frac{\partial \mathbf{D}}{\partial t} \tag{1-5}$$

## Chapter 2

# Test

### §1 Test

The counter `section` doesn't reset when a new chapter opened.

**Appendix A**

**Appendix**



# Bibliography

- [1] Donald E. Knuth. *The T<sub>E</sub>Xbook*. Addison-Wesley Professional, 1986. ISBN: 0201134470. URL: <https://ctan.org/pkg/texbook>.

# Index

Symbols used  
 $\frac{dy}{dx}$ , 1

cross reference, 1