# package `nomencl`

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## Contents

**1 Intro** **1**

**2 Mathstuff** **2**

**Nomenclature** **2**

**Abstract**

This is a nomencl-demo with the following preamble-commands

```
\usepackage[refpage]{nomencl}
\makeglossary
```

For more information have a look at the nomencl-doc. The whole package may be part of your local tex-installation or available at CTAN.

# 1 Intro

Very often a glossary or nomenclature is very useful for long or complex texts. At first we'll have an equation

$$\dot{y} = y + c \tag{1}$$

The $\dot{y}$ gets an entry in the nomenclature with

```
\nomenclature{$\dot{y}$}{The first abbreviation fo $y$ to the time $t$\refeq}
```

where the command `\refeq` points to the equation number just before the `nomenclature` command (look at Nomenclature on page 2). Same is possible for refs to pages. In fact of the package option `pageref` every nomencl-entry gets a ref to the page where it is definied. Therefore the entry for $\dot{y}$ has two refs.

text text text text text text with a nice formula $f(x) = x^{2+n} + 1$

text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text

text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text with the European Community

text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text and another nice formula $f(x) = \int_a^b xdx$ ext text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text

# 2 Mathstuff

One of the most important thing of the package nomenclature is that there are no restrictions for the entries. Therefore you can write any math expression. The only thing that you have to remember is that these entries appear in the sorted nomenclatur first.

$f(x) = x$

text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text text

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# Nomenclature

$\dot{y}$ The first abbreviation fo $y$ to the time $t$, see equation (1), page 1

$f(x) = \int_a^b xdx$ another formula with a long text a formula ..., page 2

$f(x) = \sum_{i=a}^b x_i$ a formula with a very long text a formula with a very long text a formula with a very long text a formula with a very long text a formula with a very long text a formula with a very long text a formula with a very long text a formula with a very long text a formula with a very

long text a formula with a very long text a formula with a very long text , page 2

$f(x) = x$ a formula, page 2

$f(x) = x^{2+n} + 1$ a formula, page 1

ASCII American Standard Code of Information Interchange, page 2

EC European Community, page 2

equation Some kind of mathstuff, page 1

# Index

**T**
text, 2