## Contents

List of labels 3

1 Some easy usages of crossref tools 5
   1.1 Extracting usual reference information .................. 5
   1.2 Extracting the cleveref names ............................. 6

2 Placing more generic labels 7

3 This is foo 11
   3.6 Foo .................................................... 11
      3.6.1 Foo subsection .................................... 11
   3.7 Another foo bar section ................................. 12

4 Checking for label existence 13
List of labels

- Let us plant a label not being connected to a counter: somelabel.
- Some invisible label that is invisibly placed here.
- 3 foochapterlabel.
- 3.6 foosectionlabel.
- 3.6.1 foosubsectionlabel.
- 3.1 firstequationlabel.
- 3.2 foequationlabel.
- 3.3 pythagoreanthem.
Chapter 1

Some easy usages of crossreftools

Let us refer the usual way: Chapter \[3\]

The counter for \texttt{foochapterlabel} is chapter or chapter. It is used on page 11.
The value for the misspelled label name is [UNDEFINED], whereas the correct value is 3.

Let us check for a subsection label: subsection
The result is □

1.1 Extracting usual reference information

Extracting content with \texttt{\crtexttractref}

- reference: 3
- page: 11

If the \texttt{hyperref} package is loaded, further properties are retrievable:

- name: This is foo
- hyperanchor: chapter.3
- unused:

The 5th (and usually empty) label property introduced by hyperref is unused as of version v6.85a of that package – [UNDEFINED] will return nothing here, i.e. the expansion is empty.
This works only if there is usual hyper anchor for the counter: equation.
1.2 Extracting the cleveref names

- The lower case cross reference name for \texttt{fooequationlabel} is eq., this time using `\crtcrefnamebylabel`; the upper case name is Equation.

- Extracting content with `\crtextractcref`

  - counter: chapter
  - number: 3
  - result:
  - reference: 3
  - page: 11

The macro `\crtextractcref` is expandable! Using the stored value for counter: chapter!

See \texttt{Equation 3.2} and section \texttt{3.3}.
Chapter 2

Placing more generic labels
Let us place a label without a counter and
See Let us plant a label not being connected to a counter: or Let us place a label without a counter on page 8 but let us place a label without a counter. Some visible text that is invisibly placed here.
Chapter 3

This is foo

3.6 Foo

3.6.1 Foo subsection

\[ E = mc^2 \] (3.1)

\[ E = mc^2 \] (3.2)
3.7 Another foo bar section

\[ a^2 + b^2 = c^2 \]  \quad (3.3)
Chapter 4

Checking for label existence

No, that label does not exist
Yes, that cleveref label exists