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List of labels

Let us place a label not being connected to a counter. 8
some invisible text that is invisibly placed here. 8
3 foochapterlabel 11
3.6 foosectionlabel 11
3.6.1 foosubsectionlabel 11
3.1 firstequationlabel 11
3.2 fooequationlabel 11
3.3 pythagoreantheorem 12

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Chapter 1

Some easy usages of crossreftools

Let us refer the usual way: Chapter 3
The counter for 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 `\crtextractref`

- reference: 3
- page: 11

If the 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 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 Equation 3.2 and section 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

$$E = mc^2 \tag{3.1}$$

$$E = mc^2 \tag{3.2}$$

3.7 Another foo bar section

$$a^2 + b^2 = c^2 \tag{3.3}$$

Chapter 4

Checking for label existence

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