

# The fncylab package

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As of 2019 the L<sup>A</sup>T<sub>E</sub>X kernel already contains these extra commands and the modification to `\refstepcounter`. So on nevery kernels this package is no longer necessary and will silently exit.

## 1 Introduction

The package provides support for arbitrary structuring of the way label references look. The command `\labelformat{<ctr>}{<defn>}` specifies the structure of a label:

*ctr* the counter that will define the label (e.g., `section`, `figure`, `enumi` for outer level list label references, etc.)

*defn* the definition of how the counter will be formatted in a reference. In this argument, `#1` (*not* `##1` as one might expect) substitutes the ‘raw’ value of the thing which is the source of the label.

The package makes use of a built-in LaTeX facility (which actually needs a bit of patching before it’s usable); this allows the precise layout of the references to labels generated from any LaTeX counter to be altered. Note that the way in which the counter itself is represented in references depends on `\the<counter>`—it’s the same as the way the counter gets printed.

## 2 An example

The L<sup>A</sup>T<sub>E</sub>X code:

```
\labelformat{section}{section #1}
...
\section{The Blah Field}\label{blah}
...
... As we saw above in~\ref{blah} ...
```

will typeset its last line as

... As we saw above in section 3 ...

For references at the start of a sentence, the package defines a command `\Ref`, which is used as one might expect:

```
... \Ref{blah} shows us that ...
```

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which will typeset as

... Section 3 shows us that ...

A demonstration of `\labelformat`, using the `enumerate` package, may be found in the file `fncylab-example.tex`, which is part of the distribution.