The **fncylab** package

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As of 2019 the \LaTeX{} kernel already contains these extra commands and the modification to \texttt{\textbackslash 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 \texttt{\textbackslash labelformat\{⟨ctr⟩\}\{⟨defn⟩\}} specifies the structure of a label:

\begin{quote}
\texttt{ctr} the counter that will define the label (e.g., \texttt{section}, \texttt{figure}, \texttt{enumi} for outer level list label references, etc.)
\end{quote}

\begin{quote}
\texttt{defn} the definition of how the counter will be formatted in a reference. In this argument, \#1 (\textit{not} \#\#1 as one might expect) substitutes the ‘raw’ value of the thing which is the source of the label.
\end{quote}

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 \texttt{\textbackslash the\{counter\}} — it’s the same as the way the counter gets printed.

2 An example

The \LaTeX{} code:

\begin{verbatim}
\labelformat{section}{section #1}
...
\section{The Blah Field}\label{blah}
...
... As we saw above in \texttt{\textbackslash ref\{blah\}} ...
\end{verbatim}

will typeset its last line as

\begin{verbatim}
... As we saw above in section 3 ...
\end{verbatim}

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

\begin{verbatim}
... \texttt{\textbackslash Ref\{blah\}} shows us that ...
\end{verbatim}

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which will typeset as

\ldots Section 3 shows us that \ldots

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