L'extension xr*

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Ce fichier est maintenu par l'équipe du « LATEX Project ». Les rapports d'anomalie peuvent être envoyés en anglais à http://latex-project.org/bugs.html (catégorie tools).

Cette extension permet de gérer des références externes ¹.

☆If one document needs to refer to sections of another, say aaa.tex, then this package may be loaded in the main file, and the command \externaldocument{aaa} given in the preamble.

Then you may use \ref and \pageref to refer to anything which has been given a \label in either aaa.tex or the main document. You may declare any number of such external documents.

If any of the external documents, or the main document, use the same \label then an error will occur as the label will be multiply defined. To overcome this problem \externaldocument has an optional argument. If you declare \externaldocument[A-]{aaa} Then all references from aaa are prefixed by A-. So for instance, if a section of aaa had \label{intro}, then this could be referenced with \ref{A-intro}. The prefix need not be A-, it can be any string chosen to ensure that all the labels imported from external files are unique. Note however that if your style declares certain active characters (: in French, " in German) then these characters can not usually be used in \label, and similarly may not be used in the optional argument to \externaldocument.

1 The macros

1 (*package)

Check for the optional argument.

2 \def\externaldocument{\@ifnextchar[\XR@{\XR@[]}}

Save the optional prefix. Start processing the first aux file.

^{*}Ce fichier a pour numéro de version v5.02 et a été mis à jour le 28/05/1994. La première traduction, basée sur la version 5.02, a été publiée par Jean-Pierre Drucbert en 2000.

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^{1.} NDT : soit en anglais des eXternal References, ce qui donne son nom à l'extension.

```
\makeatletter
    \def\XR@prefix{#1}%
    \XR@next#2.aux\relax\\}}
   Process the next aux file in the list and remove it from the head of the list of
files to process.
7 \def\XR@next#1\relax#2\\{%
    \edef\XR@list{#2}%
   \XR@loop{#1}}
   Check whether the list of aux files is empty.
10 \def\XR@aux{%
    \ifx\XR@list\@empty\else\expandafter\XR@explist\fi}
   Expand the list of aux files, and call \XR@next to process the first one.
12 \def\XR@explist{\expandafter\XR@next\XR@list\\}
   If the aux file exists, loop through line by line, looking for \newlabel and
\@input. Otherwise process the next file in the list.
13 \def\XR@loop#1{\openin\@inputcheck#1\relax
    \ifeof\@inputcheck
14
      \PackageWarning{xr}{^^JNo file #1^^JLABELS NOT IMPORTED.^^J}%
      \expandafter\XR@aux
16
    \else
      \PackageInfo{xr}{IMPORTING LABELS FROM #1}%
18
      \expandafter\XR@read\fi}
19
   Read the next line of the aux file.
20 \def\XR@read{%
21 \read\@inputcheck to\XR@line
The ... make sure that \XRQtest always has sufficient arguments.
   \expandafter\XR@test\XR@line...\XR@}
   Look at the first token of the line. If it is \newlabel, do the \newlabel. If it
is \@input, add the filename to the list of files to process. Otherwise ignore. Go
around the loop if not at end of file. Finally process the next file in the list.
23 \long\def\XR0test#1#2#3#4\XR0{\%}
    \ifx#1\newlabel
      \newlabel{\XR@prefix#2}{#3}%
25
    \else\ifx#1\@input
26
       \edef\XR@list{\XR@list#2\relax}%
    \fi\fi
28
    \ifeof\@inputcheck\expandafter\XR@aux
    \else\expandafter\XR@read\fi}
31 (/package)
```

3 \def\XR@[#1]#2{{%