The xr package*

David Carlisle†
carlisle@cs.man.ac.uk

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This package implements a system for eXternal References.

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`.

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†The Author of Versions 1–4 was Jean-Pierre Drucbert