The chngcntr package*

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1 Usage

In \LaTeX, a new counter called, say \texttt{ctr}, is created by the command \texttt{\newcounter{ctr}[within]}. If the optional \texttt{within} argument is given the the counter \texttt{ctr} is reset to zero each time the counter \texttt{within} changes. The command \texttt{\the ctr} typesets the value of the counter \texttt{ctr}. This is automatically defined by \texttt{\newcounter} and is initialised to typeset arabic numerals.

It is sometimes desireable to change a counter that has been defined by \texttt{\newcounter{ctr}} to act as though it had been defined as \texttt{\newcounter{ctr}[within]}. The package provides the command \texttt{\counterwithin{ctr}[within]} that accomplishes this. By default, it also redefines the \texttt{\the ctr} command so that it typesets values in the style \texttt{\arabic{ctr}}. The starred version of the command suppresses the redefinition of \texttt{\the ctr} (e.g., \texttt{\counterwithin*{ctr}[within]}).

Likewise, the command \texttt{\counterwithout{ctr}[within]} changes a counter that has been created by \texttt{\newcounter{ctr}[within]} to act as though it had been created by \texttt{\newcounter{ctr}}. By default it also redefines the \texttt{\the ctr} command so that it just typesets an arabic

\*This manual corresponds to chngcntr v1.0a, dated 2009/09/02.
The starred version of the command suppresses the redefinition of \the{ctr}.

Any number of \counterwithin{(ctr)}{(...)} and \counterwithout{(ctr)}{(...)} commands can be issued for a given counter, (ctr), if you wish to toggle between the two styles. The current value of (ctr) is unaffected by \counterwithin and \counterwithout. If you want to change the value after one of these commands, use \setcounter{(ctr)}{(...)}, and to change the typesetting style use \renewcommand{\the{ctr}}{(...)}.

2 Change History:

v1.0a – New maintainer (Will Robertson)
v1.1a – The package commands are now defined in the format