The **chngcntr** package[*]

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1 Usage

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

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

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

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[*]This manual corresponds to chngcntr v1.0a, dated 2009/09/02.

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numeral. 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 typeseting style use `\renewcommand{\the⟨ctr⟩}{⟨...⟩}`.

2 Change History:

v1.0a – New maintainer (Will Robertson)