The \texttt{sidenotesplus} package

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Home Page: \url{https://github.com/anton-vrba/sidenotesplus}
Issues: \url{https://github.com/anton-vrba/sidenotesplus/issues}

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Abstract

A package to manage the margin notes, figures, tables and captions. Also body text can be extended into the margin for wide figures, tables and equation. Twoside symmetry is preserved. For biblatex users, routines for side references are included.

\textbf{Note:} Margin notes, figures and tables placements require up to three compilations to be as intended.

\textbf{Note:} This package is inspired by the package \texttt{sidenotes} authored by Andy Thomas and has many features in common. But, compatibility is not maintained between the two.

1 Usage

1.1 Package options

Below the options that can be passed to the package \texttt{sidenotesplus} with the package defaults listed first.

\begin{verbatim}
mark= alph, Alph, arabic, roman, Roman, fnsymbol
font= rm, sf
size= footnote, normal, small, script
shape= up, it, sl
ragged
Ragged
classic
sepdiff= 1em, or a valid length within reason
alerton
\end{verbatim}

The normal page style is that margin notes are left-right justified with the last line ragged to the outer edge. The option \texttt{ragged} or \texttt{Ragged} changes this style to ragged-outer, that is the left page’s marginal notes are \texttt{\raggedleft} and the right page’s are \texttt{\raggedright}. If you opt to use \texttt{Ragged} the package \texttt{ragged2e} is loaded and \texttt{\RaggedLeft/Right} is used instead of \texttt{\raggedLeft/Right}. Load package \texttt{ragged2e} with required options before \texttt{sidenotesplus} is loaded, otherwise \texttt{sidenotesplus} loads \texttt{ragged2e} without any options.

The marginal note’s reference number or mark is placed in the margin separator, that is on the left page the mark is on the right hand side of the note. The option \texttt{classic} always places the mark to the left of the marginal note. This requires that the margin separator on the left page is slightly reduced if not enough space is available to the page outer edge.
1.2 Modified \LaTeX\ commands

\texttt{\textbackslash \marginpar} The \LaTeX\ command \texttt{\marginpar\{abc\}} with only one parameter it is modified to \texttt{\marginpar[\textit{left styled abc}]\{right styled abc\}} maintaining page symmetry. If called with two parameters nothing is changed.

1.3 Marginal note commands

All marginal note commands have five options followed by the side note text enclosed in braces. Each option has its own enclosing symbols. The option sequence is fixed but not used options are omitted entirely, including their enclosing sequence. The option sequence is $*, ||, <>, (), !!$ plus {}.

\begin{verbatim}
* margin note reference labels is omitted
|float offset| floating offset, negative is towards page top
<fixed offset> fixed offset, negative is towards page top
(custom mark) any custom mark
!colour! any valid colour
{content} margin note content
\end{verbatim}

Note: All marginals placed with a fixed offset, that is with the \texttt{<fixed offset>} option can be overwritten by the marginals that float.

\texttt{\textbackslash \sidenote} The \texttt{\sidenote} has five options $*|offset|<offsett>(custom mark)!colour!$ all preceding the note \{content\}. The options are defined by their enclosures $*||, <>, (), !!$ and must be in the order listed above.

Example: \texttt{\sitenote|10pt|($\bigstar$){text}} is valid
but \texttt{\sitenote\{\$\bigstar\}$|10pt|{\text}} will give an error.

\texttt{\textbackslash \sidenotetext} Similar to \texttt{\footnotemark} and \texttt{\footnotetext} the macros \texttt{\sidenotemark}, \texttt{\sidenotetext} and \texttt{\sidenotetextbefore} are provided, the latter two have the same options as \texttt{\sidenote}. This is useful in placing margin notes in environments where the \texttt{\sidenote} is not permitted. The margin note is not positioned by the \texttt{\sidenotemark}, but rather it is positioned relative to \texttt{\sidenotetext} or \texttt{\sidenotetextbefore}.

\texttt{\textbackslash \sidealert} These are temporary margin notes rendered in red or by the user's defined \texttt{\textbackslash !colour!}. The package option \texttt{alerton} needs to be specified in the document preamble. The alert mark has zero width so it does not alter the main text layout and is also rendered in colour. The alert mark is either numeric arabic (default), or alphabetic if the side note mark is set to arabic.

\texttt{\textbackslash \sidepar} Starts a new paragraph in the side note, whereas \texttt{\textbackslash \textbackslash} begins a new line without indentation.

\texttt{\textbackslash \sidecaption} The \texttt{\sidecaption\{short form\}\{long form\}} macro can be used from within figure or table environment and the caption is placed in the margin adjacent to the figure or table. The float \texttt{||} is not an option here. Therefore, the caption might overlap with other marginals. Then, these marginals have to be adjusted with offset parameters. The formatting of the caption is done by the \texttt{\caption} package by defining a \texttt{sidecaption} style. Please refer to the documentation of the caption package for information on styles. The macro can be starred, which is analogous to the regular starred caption (no numbering, no tof entry). Use \texttt{\textbackslash \raggedinner} within the figure, or table, environment to place these near the caption.

\texttt{\textbackslash \raggedinner} \texttt{\textbackslash \raggedouter} Are raggedleft or raggedright modes depending if document is one or two sided.

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and if the page is even or odd.

**marginfigure** \textit{env.} The \texttt{marginfigure} environment puts a figure and its caption in the margin. Instead of \texttt{\begin{figure}[htbp]} use \texttt{\begin{marginfigure}|offset|<offset>}. Again, using an offset value switches the behaviour from float to fixed position. The marginfigure has its own caption style named \texttt{marginfigure}.

**margintable** \textit{env.} The \texttt{margintable} environment works similar to \texttt{marginfigure}, but with table environments. Use \texttt{\begin{margintable}|offset|<offset>} instead of \texttt{\begin{table}[htbp]}, its caption style is named \texttt{margintable}.

\texttt{\\margincaption} The \texttt{\\margincaption} macro is used only in the two above environments (\texttt{margintable} and \texttt{marginfigure}) and it is not to be confused with \texttt{\sidecaption}. It as the same options as \texttt{\caption}

**figure*** \textit{env.} The \texttt{figure*} environment is used to position figures across the full page, i.e. the text width plus the margin. The algorithm has to distinguish between recto and verso (left and right) pages and might need up to three \texttt{BibTeX} runs to provide the desired result. The corresponding caption style is called \texttt{widefigure}. The sister environment for tables is \texttt{table*}. Use \texttt{widetable} to change its caption style.

**text*** \textit{env.} The \texttt{text*} environment is used to render text across up to the full page width. Page breaks are not permitted within this environment. This environment is useful when extra width for equations is required. The environment \texttt{\begin{text*}[0.5]} extends the text width by \texttt{0.5*(\marginparwidth+\marginparsep)}, omitting the option is equivalent to specifying the option \texttt{[1]}, \texttt{\\sidecite} \texttt{\sidecitet} and \texttt{\sidecite*} provide citing references in the margin and uses the package \texttt{biblatex} which has to be setup outside the \texttt{\\sidecite* sitenotesplus} package. Example settings in the document preamble:

\begin{verbatim}
\usepackage[english]{babel}
\usepackage[backend=biber,style=nature]{biblatex}
\addbibresource{mybibfile.bib}
\end{verbatim}

The above three cite-commands use the same options as \texttt{sidenote} followed by the two options of the \texttt{biblatex}'s \texttt{\fullcite} command. Margin citations are always with marks, hence the * takes new meaning here. The command \texttt{\sidecite{BibReference}} and \texttt{\sidecite*[BibReference]} are equivalent, and both place a side note mark and the citation reference in the side margin. \texttt{\sidecite*[BibReference]} renders: Author\textsuperscript{a}, whereas \texttt{\sidecitet*[BibReference]} is the possessive version and renders: Author’s\textsuperscript{a}.

1.4 Packages loaded

\texttt{marginnote} supports an alternative to \texttt{\marginpar} and creates non floating notes in the margin.

\texttt{mparhack} to get \texttt{\marginpar} right

\texttt{caption} allows to set figure and table captions in the margin and allows easier formatting of these captions. Please refer to the \texttt{caption} manual for details on styles.

\texttt{xparse} is used to take advantage of the improved \texttt{BibTeX} syntax. All macros and environments are defined using this package.

\texttt{l3keys2e} provides a key/value mechanism

\texttt{xspace} provides the command \texttt{\xspace}
changerpage is used to correctly shift figure* and table*. It has to use the option [strict] to work properly. This might lead to an option clash, if the same package is loaded without this option.

ifoddpage provides the command \ifoddpage

etoolbox provides the command \patchcmd

calc provides calculation such as adding lengths

ragged2e if Ragged option is used, and provides hyphenation to prevent very short lines

2 Implementation

1 \newcommand \snptest {{\upshape Figure \thefigure:} And some text\xspace}

2 \ExplSyntaxOn

3 %

4 %

5 %

6 \snp@sidenoteformat

7 %

8 %

9 %

10 \NewDocumentCommand \snp@sidenoteformat {} {%

11 \snp@size\snp@shape\snp@font\leavevmode%

12 \lineskip=0pt \lineskiplimit=0pt %

13 \tolerance=2000 \hyphenpenalty=300 \exhyphenpenalty=300%

14 \doublehyphenpenalty=300%

15 \finalhyphenpenalty=\doublehyphenpenalty

16 %

17 %

18 %

19 %

20 \NewDocumentCommand \snp@sideformat {} {}

21 \NewDocumentCommand \snp@sidecolor {} {}

22 %

23 %

24 %

25 %

26 %

27 %

28 %

29 %

30 %

31 %

32 \bool_new:N \l@snp@margincaption

33 \bool_new:N \l@snp@alerton

34 \bool_new:N \l@snp@alertmarkon

35 \bool_new:N \l@snp@ragged

36 \bool_new:N \l@snp@Ragged

37 \bool_new:N \l@snp@symmetric

38 \bool_new:N \l@snp@page

39 \bool_set_false:N \l@snp@margincaption

40 \bool_set_false:N \l@snp@alerton

41 \bool_set_false:N \l@snp@alertmarkon
\NewDocumentCommand \snp@putmarkintext {m}
\leavevmode
\ifhmode
  \edef \x@sf {\the \spacefactor }
  \nobreak
\fi
\bool_if:NTF \l@snp@alertmarkon
  \hbox {\textsuperscript {\normalfont #1 }}
\else
  \makebox[0pt]{\raisebox{0.3ex}{\textsuperscript {\normalfont ---~{#1}~---\kern-0.6ex }}}
\fi
\ifhmode
  \spacefactor \x@sf
\fi
\relax
} \snp@multisign
\NewDocumentCommand \snp@multisign {}
\NewDocumentCommand \snp@multimarker {}
\NewDocumentCommand \snp@multichecker {}
\NewDocumentEnvironment{@snp@llr} {}{\par}
\let\oldmarginpar\marginpar
\renewcommand{\marginpar}{
\if\relax\detokenize{#1}\relax
  \oldmarginpar \snp@leftmarginstyle \snp@sidenoteformat{#2}
\else
  \oldmarginpar[\snp@sidenoteformat{#2}]
\fi
}\renewcommand*{\raggedleftmarginnote}{ }
\renewcommand*{\raggedrightmarginnote}{ }
\renewcommand*{\marginfont}{ }
\NewDocumentCommand \snp@placemarginal {d!! m m }
\NewDocumentCommand \snp@llr (env.) { }
\NewDocumentEnvironment{@snp@llr} {}{\par}
\let\oldmarginpar\marginpar
\renewcommand{\marginpar}{
  \if\relax\detokenize{#1}\relax
  \oldmarginpar[\snp@leftmarginstyle\snp@sidenoteformat{#2}]
\else
  \oldmarginpar[\snp@sidenoteformat{#2}]
\fi
}\renewcommand*{\raggedleftmarginnote}{ }
\renewcommand*{\raggedrightmarginnote}{ }
\renewcommand*{\marginfont}{ }
\NewDocumentCommand \snp@placemarginal {d!! m m }
\IfNoValueOrEmptyTF{\#1}
  {
    \if@twoside
      \snp@isoddpage
      {
        \IfNoValueOrEmptyTF{\#2}
          {\marginpar{ #3 }}
          {\marginnote{\snp@sidenoteformat #3}[#2]}
      }
      {
        \bool_if:NTF \l@snp@symmetric
          {
            \IfNoValueOrEmptyTF{\#2}
              {\marginpar{\begin{@snp@llr} #3\end{@snp@llr}}}  
              {\marginnote{\begin{@snp@llr}\snp@sidenoteformat #3\end{@snp@llr}}}[#2]}
          }
          {
            \IfNoValueOrEmptyTF{\#2}
              {\marginpar{ #3}}
              {\marginnote{\snp@sidenoteformat #3}[#2]}
          }
        }
        \else
          \IfNoValueOrEmptyTF{\#2}
            {\marginpar{ #3}}
            {\marginnote{\snp@sidenoteformat #3}[#2]}
          \fi
        \fi
      }
      \else
        \IfNoValueOrEmptyTF{\#2}
          {\marginpar{\textcolor{#1}{#3}}}
          {\marginnote{\textcolor{#1}{\snp@sidenoteformat #3}\textcolor{#1}{#3}}}[#2]
      \fi
    }
  }
\sidepar
\NewDocumentCommand \sidepar {} { 
  \makebox[1em]{}
}

\sidenote –
\NewDocumentCommand \sidenote {s d|| d<> d() d!! m } { 
  % starred
  \snp@sidenotemark*(#4)
  \snp@sidenotetext[*]|#2|<#3>(#4)!#5!{#6}
  % unstarred
  \IfNoValueOrEmptyTF{#5} {
    \snp@sidenotemark(#4)
    \snp@sidenotetext[]|#2|<#3>(#4)!#5!{#6}
    \snp@multimarker }
  {
    \snp@sidenotemark(#4)!#5!
    \snp@sidenotetext[]|#2|<#3>(#4)!#5!{#6}
    \snp@multimarker }
}

\sidealert –
\NewDocumentCommand \sidealert {s d|| d<> d() d!! m } { 
  \bool_if:NTF \l@snp@alerton
    \bool_set_true:N \l@snp@alertmarkon
    \IfNoValueOrEmptyTF{#5} {
      % starred
      \snp@sidenotemark*(#4)
      \snp@sidenotetext[*]|#2|<#3>(#4)!Red!{#6}
      % unstarred
      \IfBooleanTF{#1} { % starred
        \snp@sidenotemark*(#4)
        \snp@sidenotetext[*]|#2|<#3>(#4)!Red!{#6}
      }{ % unstarred
        \snp@sidenotemark(#4)!Red!{}
        \snp@sidenotetext[]|#2|<#3>(#4)!Red!{#6}
        \snp@multimarker
      }
    }{ % unstarred
      \IfBooleanTF{#1} { % starred
        \snp@sidenotemark*(#4)
        \snp@sidenotetext[*]|#2|<#3>(#4)!#5!{#6}
      }{ % unstarred
        \snp@sidenotemark(#4)!#5!{}
        \snp@sidenotetext[]|#2|<#3>(#4)!#5!{#6}
        \snp@multimarker
      }
    }
}

\sidenotemark –
\NewDocumentCommand \sidenotemark {s d() d!! } { 
  \relax
  \bool_set_false:N \l@snp@alertmarkon
}

8
\newcommand{\IfsTF}[3]{\IfNoValueTF{#1}{#2}{#3}}

\renewcommand{\snp@sidenotesymbol}{}

\newcommand{\snp@sidenotetext}[5][]{\ifboolexpr{#1}{\snp@sidenotetext[*]{#2}{<#3>(#4)!#5!{#6}}}{\snp@sidenotetext{[}{#2}{<#3>(#4)!#5!{#6}}}}

\newcommand{\snp@sidenotetextbefore}{\newcommand{\snp@sidenotetext}{}}

\newlength{\d@snp@offset}

\newcommand{\snp@sidenotetextbefore}{\newcommand{\snp@sidenotetext}{}}

\newcommand{\snp@sidenotetext}{\newcommand{\snp@sidenotesymbol}{}\newcommand{\snp@sidenotetext}{}}

\newcommand{\snp@sidenotetext}{\newcommand{\snp@sidenotesymbol}{}
\newcommand{\snp@sidenotetext}{}}

\newcommand{\snp@sidenotetext}{\newcommand{\snp@sidenotesymbol}{}
\newcommand{\snp@sidenotetext}{}}

% Is odd page
{\snp@placemarginal!5(!#3)!
\snp@rightnotelabel{%\normalfont\IfsTF{#1}{\snp@sidenotesymbol}{\relax}}\hspace*{\marginparwidth}\snp@onelineup#6}

% Is even page
{\snp@placemarginal!5(!#3)!
\snp@justifiedleftnotelabel{\normalfont\IfsTF{#1}{\snp@sidenotesymbol}{\relax}}
\hspace*{\marginparwidth}\snp@onelineup#6}

% Not twoside
{\snp@placemarginal!5(!#3)!
\snp@isoddpage}

% Odd page
{\snp@placemarginal!5(!#3)!
\snp@rightnotelabel{%\normalfont\IfsTF{#1}{\snp@sidenotesymbol}{\relax}}\hspace*{\marginparwidth}\snp@onelineup#6}

% Even page
{\snp@placemarginal!5(!#3)!
\snp@justifiedleftnotelabel{\normalfont\IfsTF{#1}{\snp@sidenotesymbol}{\relax}}
\hspace*{\marginparwidth}\snp@onelineup#6}

% Not twoside
{\snp@placemarginal!5(!#3)!
\snp@isoddpage}

% Odd page
{\snp@placemarginal!5(!#3)!
\snp@rightnotelabel{%\normalfont\IfsTF{#1}{\snp@sidenotesymbol}{\relax}}\hspace*{\marginparwidth}\snp@onelineup#6}

% Even page
{\snp@placemarginal!5(!#3)!
\snp@justifiedleftnotelabel{\normalfont\IfsTF{#1}{\snp@sidenotesymbol}{\relax}}
\hspace*{\marginparwidth}\snp@onelineup#6}

% Not twoside
{\snp@placemarginal!5(!#3)!
\snp@isoddpage}

% Odd page
{\snp@placemarginal!5(!#3)!
\snp@rightnotelabel{%\normalfont\IfsTF{#1}{\snp@sidenotesymbol}{\relax}}\hspace*{\marginparwidth}\snp@onelineup#6}

% Even page
{\snp@placemarginal!5(!#3)!
\snp@justifiedleftnotelabel{\normalfont\IfsTF{#1}{\snp@sidenotesymbol}{\relax}}
\hspace*{\marginparwidth}\snp@onelineup#6}

% Not twoside
{\snp@placemarginal!5(!#3)!
\snp@isoddpage}
\IfBooleanTF{#1}
\margernote\caption*{\snp@raggedcaption{#6}}
\[\IfNoValueOrEmptyTF{#3} {\Opt} {#3}\]
\}
\{ %unstarred
\margernote\caption{\IfNoValueOrEmptyTF{#5} {#6} {#5}}
\{\snp@raggedcaption{#6}\}
\[\IfNoValueOrEmptyTF{#3} {\Opt} {#3}\]
\}

\istwosided —
\NewDocumentCommand \istwosided {m m} {
\if@twoside #1 \else #2 \raggedleft \fi
}

\raggedinner —
\NewDocumentCommand \raggedinner {} {
\if@twoside
\snp@isoddpage \raggedleft\raggedright
\else
\raggedleft
\fi
\}

\raggedouter —
\NewDocumentCommand \raggedouter {} {
\if@twoside
\snp@isoddpage \raggedright\raggedleft
\else
\raggedleft
\fi
\}

\margincaption —
\newlength \l@snp@belowcaption
\NewDocumentCommand \margincaption {s o m } {
\setlength \l@snp@belowcaption \belowcaptionskip
\setlength{\belowcaptionskip}{1ex plus 0.3ex minus -0.1ex}
\IfBooleanTF{#1}
\{ %starred
\if@twoside
\snp@isoddpage
{\IfNoValueOrEmptyTF{#2} {\caption*{#3}} {\caption*[#2]{#3}}
}
{\bool_if:NTF \l@snp@symmetric
{\IfNoValueOrEmptyTF{#2}
{\caption*[#3]\begin{@snp@llr}#3\end{@snp@llr}}
{\caption*[#2]\begin{@snp@llr}#3\end{@snp@llr}}
}
{\IfNoValueOrEmptyTF{#2}
{\caption*[#3] {\caption*[#2]{#3}}
}
\}
\else
marginfigure (env.) –

\NewDocumentEnvironment{marginfigure} { d|| d<> }
\begin{lrbox}{\b@snp@marginfigurebox}
\begin{minipage}{\marginparwidth}
\captionsetup{type=figure,style=marginfigure}
\end{minipage}\
\end{lrbox}\
\IfNoValueOrEmptyTF{#1}
\relax
\setlength{\d@snp@offset}{\d@snp@offset}
\snp@placemarginal{#2}{\usebox{\b@snp@marginfigurebox} }
\IfNoValueOrEmptyTF{#1}
\relax
{ \setlength{\d@snp@offset}{\d@snp@offset(-1)} \vspace*{\d@snp@offset} }
\
Figure
\Newsavebox{\b@snp@margintablebox}
\DeclareCaptionStyle{margintable}{font=footnotesize}
\NewDocumentEnvironment{margintable} { d|| d<> d() }
\begin{lrbox}{\b@snp@margintablebox}
\begin{minipage}{\marginparwidth}
\captionsetup{type=figure,style=margintable}
\end{minipage}\
\end{lrbox}\
\IfNoValueOrEmptyTF{#1}
\relax
\setlength{\belowcaptionskip}{\l@snp@belowcaption}
\newsavebox{\b@snp@marginfigurebox}
\DeclareCaptionStyle{marginfigure}{font=footnotesize,skip=1ex}
margintable (env.) –

\NewDocumentEnvironment{margintable} { d|| d<> }
\begin{lrbox}{\b@snp@margintablebox}
\begin{minipage}{\marginparwidth}
\captionsetup{type=figure,style=margintable}
\end{minipage}\
\end{lrbox}\
\IfNoValueOrEmptyTF{#1}
\relax
\setlength{\belowcaptionskip}{\l@snp@belowcaption}
\sidecitet –
\NewDocumentCommand \sidecitet {s d|| d<> d!! o o m }{\IfNoValueOrEmptyTF{#6}{\RenewDocumentCommand \snp@before {} {}}{\RenewDocumentCommand \snp@before {} {#6}}{\IfNoValueOrEmptyTF{#7}{\RenewDocumentCommand \snp@after {} {}}{\RenewDocumentCommand \snp@after {} {#7}}{\IfBooleanTF{#1}{\citeauthor{#8}'s\sidenote|#2|<#3>(#4)!#5!{\kern-2.3pt\upshape\fullcite[\snp@before]\[\snp@after]{#8}}}{\citeauthor{#8}\sidenote|#2|<#3>(#4)!#5!{\kern-2.3pt\upshape\fullcite[\snp@before]\[\snp@after]{#8}}}}}}
\newlength\snp@marginparsepodd
\newlength\snp@marginparsepeven
\setlength{\snp@marginparsepodd}{\marginparsep}
\setlength{\snp@marginparsepeven}{\marginparsep-\snp@marginsepdiff}
\makeatletter
\patchcmd{\@addmarginpar}{\kern\marginparsep}{\if@twoside\ifodd\c@page\relax % Page is odd
\marginparsep=\snp@marginparsepodd % Page is odd
\else
\marginparsep=\snp@marginparsepeven % Page is even
\fi \else
\marginparsep=\snp@marginparsepeven % Page is even
\fi
\mph@orig@addmarginpar}{\patcherr}{\patchok}{\patch}{% In this command
{\mph@orig@addmarginpar} % ... replace this...
{\if@twoside\ifodd\c@page\relax % ... with this
\marginparsep=\snp@marginparsepodd % Page is odd
\else
\marginparsep=\snp@marginparsepeven % Page is even
\fi \else
\marginparsep=\snp@marginparsepeven % Page is even
\fi
\mph@orig@addmarginpar}{\patcherr}{\patchok}{\patch}{% Here we use a little trick to repeatedly patch the \@mn@@@marginnote
% command, replacing all instances of \kern\marginparsep with a
% conditional. We call \patch recursively each time on success, and stop
% when the patch fails (because all instances have been replaced). If the
% patch fails the first time, we show an error message.
\def\patcherr{\message{Error! Couldn't hook into command \string[@addmarginpar]}}
\def\patchok{\let\patcherr\relax % Only display error if first patch fails
% Now patch again.
}\patchcmd{\@addmarginpar}{% In this command
{\mph@orig@addmarginpar}{\ifx\@mn@currpage\relax % ... replace this...
{\if\@twoside\ifodd\@mn@currpage\relax % ... with this
\kern\snp@marginparsepodd
\else
\IfNoValueOrEmptyTF{#6}{\RenewDocumentCommand \snp@before {} {}}{\RenewDocumentCommand \snp@before {} {#6}}{\IfNoValueOrEmptyTF{#7}{\RenewDocumentCommand \snp@after {} {}}{\RenewDocumentCommand \snp@after {} {#7}}}{\IfBooleanTF{#1}{\citeauthor{#8}'s\sidenote|#2|<#3>(#4)!#5!{\kern-2.3pt\upshape\fullcite[\snp@before]\[\snp@after]{#8}}}{\citeauthor{#8}\sidenote|#2|<#3>(#4)!#5!{\kern-2.3pt\upshape\fullcite[\snp@before]\[\snp@after]{#8}}}}}}
\newlength\snp@marginparsepodd
\newlength\snp@marginparsepeven
\setlength{\snp@marginparsepodd}{\marginparsep}
\setlength{\snp@marginparsepeven}{\marginparsep-\snp@marginsepdiff}
\makeatletter
\patchcmd{\@addmarginpar}{\kern\marginparsep}{\if@twoside\ifodd\c@page\relax % Page is odd
\marginparsep=\snp@marginparsepodd % Page is odd
\else
\marginparsep=\snp@marginparsepeven % Page is even
\fi \else
\marginparsep=\snp@marginparsepeven % Page is even
\fi
\mph@orig@addmarginpar}{\patcherr}{\patchok}{\patch}{% In this command
{\mph@orig@addmarginpar} % ... replace this...
{\if\@twoside\ifodd\@mn@currpage\relax % ... with this
\kern\snp@marginparsepodd
\else
\IfNoValueOrEmptyTF{#6}{\RenewDocumentCommand \snp@before {} {}}{\RenewDocumentCommand \snp@before {} {#6}}{\IfNoValueOrEmptyTF{#7}{\RenewDocumentCommand \snp@after {} {}}{\RenewDocumentCommand \snp@after {} {#7}}}{\IfBooleanTF{#1}{\citeauthor{#8}'s\sidenote|#2|<#3>(#4)!#5!{\kern-2.3pt\upshape\fullcite[\snp@before]\[\snp@after]{#8}}}{\citeauthor{#8}\sidenote|#2|<#3>(#4)!#5!{\kern-2.3pt\upshape\fullcite[\snp@before]\[\snp@after]{#8}}}}}}
\else
  \kern\snp@marginparsepeven
\fi
\else
  \kern\snp@marginparseodd
\fi
\fi}
\message{Patched!}\patchok \% success (recurse)
\patcherr \% fail
}\message{Patching \string\@mn@@@marginnote!}
\patch\global\let\@mn@@@marginnote\@mn@@@marginnote \% Make patch global
\makeatother
\endinput

Change History

1.0 1.02
  General: Initial Release ........ 1 General: added Ragged option ... 1
1.01 v1.01
  General: Environment text* text*: added newsavebox and
    improved .................... 1 minipage .................... 14