Old hyperref patches

The LaTeX Project*

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1 hyperref-patches documentation

hyperref has included over the years a rather large number of patches and correction for external packages to make them compatible with hyperlinks.

Some of these patches are now (mostly) unnecessary, either because the external package is no longer used or because the package was fixed or extended to supports hyperlinks.

This small package contains patches where it is not sure if they can be removed completely so that if needed that can be added manually, either by loading this package or by copying the code.

By default all patches are loaded, a patch can be disabled with a package option. Currently the following options are available: `nofoiltex`, `nolisting`, `nolistings`, `norevtex`.

2 hyperref-patches documentation

```
⟨*package⟩
\ProvidesPackage{hyperref-patches}[2021-06-29 v0.9 old hyperref patches]
```

3 Package options to disable patches

```
\newif\ifHy@patches@foiltex
\Hy@patches@foiltextrue
\DeclareOption{nofoiltex}{\Hy@patches@foiltexfalse}
\newif\ifHy@patches@listing
\Hy@patches@listingtrue
\DeclareOption{nolisting}{\Hy@patches@listingfalse}
\newif\ifHy@patches@listings
\Hy@patches@listingstrue
\DeclareOption{nolistings}{\Hy@patches@listingsfalse}
\newif\ifHy@patches@revtex
\Hy@patches@revtextrue
\DeclareOption{norevtex}{\Hy@patches@revtexfalse}
\ProcessOptions
```

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4 Compatibility with foiltex

–Moved 2021-06-30–

foils.cls redefine figure, table and caption as it doesn't want them to float and also thinks that list of figures and tables are unnecessary. This means that `\ext@table` and `\ext@figure` are missing too which are needed by the definitions of hyperref.

foiltex is not part of the standard tex systems and hasn't been update the last time in 2008. So the patch is removed from hyperref.

–End of move comment–

```
\ifHy@patches@foiltex
\@ifclassloaded{foils}{%
  \providecommand*\ext@table{lot}%
  \providecommand*\ext@figure{lof}%
}{}
\fi
```

5 listing

–Moved 2021-06-30–

This provide two commands for the listing package which is from 1999. Probably unneeded anyway, as this are the defaults, at best they prevent some warnings.

–End of move comment–

```
\ifHy@patches@listing
\@ifpackageloaded{listing}{%
  \providecommand*\theHlisting{\thelisting}%
  \providecommand*\toclevel@listing{0}%
}{}
\fi
```

6 listings

–Moved 2021-06-30–

This provide two commands for the listing package which is from 1999. Probably unneeded anyway, as this are the defaults, at best they prevent some warnings.

–End of move comment–

```
\ifHy@patches@listings
\@ifpackageloaded{listings}{%
  \providecommand*\theHlstlisting{\thelstlisting}%
  \providecommand*\toclevel@lstlisting{0}%
}{}
\fi
```

7 revtex

–Moved 2021-09-02– revtex.cls is obsolete and it is no installed in texlive and miktex so the patch for it has been removed from hyperref. –End of move comment–

Revtex (bless its little heart) takes over `\bibcite` and looks at the result to measure something. Make this a hypertext link and it goes ape. Therefore, make an anodyne result first, call its business, then go back to the real thing.

```
\ifHy@patches@revtex
\@ifclassloaded{revtex}{%
  \Hy@Info{*** compatibility with revtex **** }%
  \def\revtex@checking#1#2{%
    \expandafter\let\expandafter\T@temp\csname b@#1\endcsname
    \expandafter\def\csname b@#1\endcsname{#2}%
    \@SetMaxRnhefLabel{#1}%
    \expandafter\let\csname b@#1\endcsname\T@temp
  }%
```

Tanmoy provided this replacement for CITEX. Lord knows what it does. For chapterbib added: extra@b@citeb

```
  \@ifundefined{@CITE}{\def\@CITE{\@cite}}{}%
  \providecommand*{\@extra@b@citeb}{}%
  \def\@CITEX[#1]#2{%
    \let\@citea\@empty
    \leavevmode
    \unskip
    $^{%
      \scriptstyle
      \@CITE{%
        \@for\@citeb:=#2\do{%
          \@citea
          \def\@citea{,\penalty\@m\ }%
          \edef\@citeb{\expandafter\@firstofone\@citeb}%
          \if@filesw
            \immediate\write\@auxout{\string\citation{\@citeb}}%
          \fi
          \@ifundefined{b@\@citeb\extra@b@citeb}{%
            \mbox{\reset@font\bfseries ?}%
            \G@refundefinedtrue
            \@latex@warning{%
              Citation `\@citeb' on page \thepage \space undefined%
            }%
          }{%
            {\csname b@\@citeb\@extra@b@citeb\endcsname}%
          }%
        }%
      }{#1}%
    }$%
  }%
```

No, life is too short. I am not going to understand the Revtex `\@collapse` macro, I shall just restore the original behaviour of `\@citex`; sigh. This is SO vile.

```
  \def\@citex[#1]#2{%
    \let\@citea\@empty
    \@cite{%
      \@for\@citeb:=#2\do{%
        \@citea
        \def\@citea{,\penalty\@m\ }%
        \edef\@citeb{\expandafter\@firstofone\@citeb}%
```

```
        \if@filesw
          \immediate\write\@auxout{\string\citation{\@citeb}}%
        \fi
        \@ifundefined{b@\@citeb\@extra@b@citeb}{%
          \mbox{\reset@font\bfseries ?}%
          \G@refundefinedtrue
          \@latex@warning{%
            Citation `\@citeb' on page \thepage \space undefined%
          }%
        }{%
          \hbox{\csname b@\@citeb\@extra@b@citeb\endcsname}%
        }%
      }%
    }{#1}%
  }%
}{}
\fi
```

⟨/package⟩

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