

Old hyperref patches

The L^AT_EX Project*

Version 2025-07-12 v7.01o

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`, `nolistings`, `norevtex`.

2 **hyperref-patches** documentation

```
1 <*package>
2 \ProvidesPackage{hyperref-patches}[2021-06-29 v0.9 old hyperref patches]
```

3 Package options to disable patches

```
3 \newif\ifHy@patches@foiltex
4 \Hy@patches@foiltextrue
5 \DeclareOption{nofoiltex}{\Hy@patches@foiltexfalse}
6 \newif\ifHy@patches@listing
7 \Hy@patches@listingtrue
8 \DeclareOption{nolistings}{\Hy@patches@listingfalse}
9 \newif\ifHy@patches@listings
10 \Hy@patches@listingstrue
11 \DeclareOption{nolistings}{\Hy@patches@listingsfalse}
12 \newif\ifHy@patches@revtex
13 \Hy@patches@revtextrue
14 \DeclareOption{norevtex}{\Hy@patches@revtexfalse}
15 \ProcessOptions
```

*E-mail: latex-team@latex-project.org

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-

```
16 \ifHy@patches@foiltex
17 \@ifclassloaded{foils}{%
18   \providecommand*\ext@table{\lot}%
19   \providecommand*\ext@figure{\lof}%
20 }{%
21 \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-

```
22 \ifHy@patches@listing
23 \ifpackageloaded{listing}{%
24   \providecommand*\theHlisting{\thelisting}%
25   \providecommand*\toclevel@listing{0}%
26 }{%
27 \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-

```
28 \ifHy@patches@listings
29 \ifpackageloaded{listings}{%
30   \providecommand*\theHlstlisting{\thelstlisting}%
31   \providecommand*\toclevel@lstlisting{0}%
32 }{%
33 \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.

```

34 \iffHy@patches@revtex
35 \@ifclassloaded{revtex}{%
36   \Hy@Info{*** compatibility with revtex **** }%
37   \def\revtex@checking#1#2{%
38     \expandafter\let\expandafter\T@temp\csname b@#1\endcsname
39     \expandafter\def\csname b@#1\endcsname{#2}%
40     \SetMaxRnhefLabel{#1}%
41     \expandafter\let\csname b@#1\endcsname\T@temp
42   }%

```

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

```

43 \@ifundefined{@CITE}{\def@\CITE{\@cite}}{}%
44 \providecommand*{\@extra@b@citeb}{}%
45 \def@\CITE[#1]{%
46   \let@\citea\empty
47   \leavevmode
48   \unskip
49   $^{\sim}{}%
50   \scriptstyle
51   \@CITE{%
52     \@for@\citeb:=#2\do{%
53       \@citea
54       \def@\citea{, \penalty\@m\ }%
55       \edef@\citeb{\expandafter\firstrfone\@citeb}%
56       \if@filesw
57         \immediate\write\auxout{\string\citation{\@citeb}}%
58       \fi
59       \ifundefined{b@\@citeb\extra@b@citeb}{%
60         \mbox{\reset@font\bfseries ?}%
61         \G@refundefinedtrue
62         \G@warning{%
63           Citation `\'@citeb' on page \thepage \space undefined%
64         }%
65       }{%
66         \csname b@\@citeb\extra@b@citeb\endcsname}%
67       }%
68     }%
69   }{#1}%
70 }$%
71 }%

```

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

```

72 \def@\cite{\@cite{%
73   \let@\citea\empty
74   \@cite{%
75     \@for@\citeb:=#2\do{%
76       \@citea
77       \def@\citea{, \penalty\@m\ }%
78       \edef@\citeb{\expandafter\firstrfone\@citeb}%

```

```

79      \if@filesw
80        \immediate\write\auxout{\string\citation{\@citeb}}%
81    \fi
82    \@ifundefined{b@\@citeb\@extra@b@\citeb}{%
83      \mbox{\reset@font\bfseries ?}%
84      \G@refundefinedtrue
85      \G@latex@warning{%
86        Citation `@\citeb' on page \thepage\space undefined%
87      }%
88    }{%
89      \hbox{\csname b@\@citeb\@extra@b@\citeb\endcsname}%
90    }%
91  }{%
92  }{#1}%
93 }%
94 \fi
95 \fi
96 </package>

```

Index

The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.

Symbols	I	II
@citeb commands:		
\@citeb: 52, 75	\immediate	57, 80
__ 54, 77	\leavevmode	47
	\let	38, 41, 46, 73
	\mbox	60, 83
B		
\bfseries 60, 83		
C		
\citation 57, 80		
\csname 38, 39, 41, 66, 89		
D		
\DeclareOption 5, 8, 11, 14		
\def 37, 39, 43, 45, 54, 72, 77		
\do 52, 75		
E		
\edef 55, 78		
\endcsname 38, 39, 41, 66, 89		
\expandafter 38, 39, 41, 55, 78		
F		
\f 21, 27, 33, 58, 81, 95		
H		
\hbox 89		
I		
L		
M		
N		
P		
S		
T		
TeX and L^AT_EX 2_{ε} commands:		
\@CITE 43, 51		
\@CITEX 45		

\@SetMaxRnhefLabel	40	\Hy@patches@listingstrue	10
\@auxout	57, 80	\Hy@patches@listingtrue	7
\@cite	43, 74	\Hy@patches@revtexfalse	14
\@citea	46, 53, 54, 73, 76, 77	\Hy@patches@revtextrue	13
\@citeb	.. 55, 57, 59, 63, 66, 78, 80, 82, 86, 89	\if@filesw	56, 79
\@citex	72	\ifHy@patches@foiltex	3, 16
\@empty	46, 73	\ifHy@patches@listing	6, 22
\@extra@b@citeb	44, 66, 82, 89	\ifHy@patches@listings	9, 28
\@firstofone	55, 78	\ifHy@patches@revtex	12, 34
\@for	52, 75	\reset@font	60, 83
\@ifclassloaded	17, 35	\revtex@checking	37
\@ifpackageloaded	23, 29	\T@temp	38, 41
\@ifundefined	43, 59, 82	\toclevel@listing	25
\@latex@warning	62, 85	\toclevel@lstlisting	31
\@m	54, 77	\theHlisting	24
\ext@figure	2, 19	\theHlstlisting	30
\ext@table	2, 18	\thelisting	24
\extra@b@citeb	59	\thelstlisting	30
\G@refundefinedtrue	61, 84	\thepage	63, 86
\Hy@Info	36		
\Hy@patches@foiltexfalse	5	\unskip	48
\Hy@patches@foiltextrue	4		
\Hy@patches@listingfalse	8		
\Hy@patches@listingsfalse	11	\write	57, 80

U

W