nicefilelist.sty

\listfiles Alignment for Connoisseurs*

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Abstract

While longnamefilelist.sty improves LaTeX's \listfiles with respect to long base filenames only, nicefilelist.sty can keep separate columns for (i) date, (ii) version, and (iii) "caption" (don't write caption text in date column), their alignment not being disturbed by short filename extensions such as .fd. This is achieved basing on the monofill package.

v0.7 offers a package option [wrap] for automatic word wrapping within the caption column (using the hardwrap package), so filenames and captions can be quite long without disturbing alignment.

As opposed to the dateiliste package, this is about the $plain\ text$ output in the .log file or, with myfilist, as a stand-alone plain text file.

Related packages:: Cf. latexfileinfo-pkgs.

Keywords: Package management, document management, plain text output

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^{*}This document describes version v0.7a of nicefilelist.sty as of 2012/12/12.

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1 Features and Usage

Additionally or also "complementarily" to the presentation given here, the functionality of the package is summarized in the file latexfileinfo_pkgs.htm from the latexfileinfo-pkgs, in a comparison with packages resembling nicefilelist in certain respects.

1.1 Relation to longnamefilelist.sty

longnamefilelist.sty equips \listfiles with an optional argument for the maximum number of characters in the base filename. By contrast, nicefilelist does not provide arguments for \listfiles, rather column widths for basename, extension, and version number are determined by templates using monofill.sty. As a "template" for doing this, see the initial settings in Sec. 2.2. (Such settings must precede the \listfiles command) So nicefilelist's user interface (at present) does not extend longnamefilelist's user interface.

Using monofill is a very different approach than the one of longnamefilelist. nicefilelist is more powerful than longnamefilelist, but is not based on it in any way. It does not make sense to load both packages, they just overwrite each other's behaviour of \listfiles.

longnamefilelist may become "obsolete" by the present package, unless one finds that its version of \listfiles looks fine enough and it is easier to understand and to use than nicefilelist.

1.2 Installing

The file nicefilelist.sty is provided ready, installation only requires putting it somewhere where TEX finds it (which may need updating the filename data base).¹

 $^{^{1} \}verb|http://www.tex.ac.uk/cgi-bin/texfaq2html?label=inst-wlcf|$

1.3 Calling

Below the \documentclass line(s) and above \begin{document}, you load nice-filelist.sty (as usually) by

\usepackage{nicefilelist}

or by

 $\usepackage[\langle options \rangle] \{ nicefilelist \}$

where $\langle options \rangle$ may be r, wrap, or r,wrap ...—see summaries in sections 1.4 and 2.4 on the package options and an example in Section 1.5.2. Alternatively—e.g., for use with myfilist from the fileinfo bundle (in a "TEX script"), see Section 1.5, or in order to include the .cls file in the list—you may load it by

\RequirePackage{nicefilelist}

or by

 $\RequirePackage[\langle options \rangle] \{nicefilelist\}$

before \documentclass or when you don't use \documentclass.

1.4 Choosing Settings

1.4.1 The Columns, Their Widths, and Their "Missing" Content

The nicefilelist package considers the listing from '\listfiles' a five-column table, the columns being (reserved for) (i) the base filename, (ii) the filename extension, (iii) the date, (iv) the version (or with option '[r]': the release) number, and (v) the caption of a LATEX source file. The filename base column is right-adjusted, the other ones are left-adjusted. Date, version, and caption are made up from the $\langle f\text{-}info\rangle$ argument in

where $\langle f\text{-}type \rangle$ is 'Class', 'Package', or 'File'.

The fixed usual format 'YYYY/MM/DD' for the date is assumed; in fact, when $\langle f\text{-}info\rangle$ doesn't start according to this format, it is assumed that no date is given, and some "missing" text will appear in the "date" column, determined by a macro \[\NFLnodate \]. The version number (or "string") must follow in format 'v\langle digits \rangle', otherwise some "missing" text appears in the "version" column, determined by a macro \[\NFLnoversion \]. What remains is placed in the "caption" column. \[\NFLnotfound \] determines an alternative filling in the case that $\langle f\text{-}info \rangle$ cannot be obtained. See the default settings for these "failure" texts in Section 2.3.

The column widths for filename base and extension and the column width for version or release are determined using the monofill package. They have "field identifiers" [f-base], [f-ext], and [f-version] respectively. The respective widths are determined by templates $\langle longest \rangle$ in

```
\verb|\MDfieldtemplate|{\langle field\text{-}id\rangle}|{\langle longest\rangle}|
```

See Section 2.2 for the default settings. Probably only adjusting the width for *base* filenames is required in real life, see the example in Section 1.5.2.

The spaces between the columns are determined by macros [NFLspaceI], [NFLspaceII], and [NFLspaceIII], see Section 2.2 for the defaults.

1.4.2 The Caption Column

The width of the caption column (unfortunately) is determined by the stuff enumerated above and the width of the console output window or screen. With long filenames and long captions, the result may look poor. the *characters* that don't fit into the line may continue at left end of the window or screen, disturbing the appearance of a "table"—unless you use package option [wrap]. The latter requires the hardwrap package by Will Robertson and Kevin Godby ("not invented here"). This package tries to determine the screen width by some subtle tests, and until it finds something better, it assumes a width of 80 characters (I suppose). hardwrap does word wrapping, i.e., it doesn't just put characters not fitting into the next line, but entire words. Moreover, it allows inserting some "newline sequence" before the first word that is too much, and we use this feature here to put the next word into the caption column rather than at the beginning of the next line. (Details and implementation are in Section 2.4.)

If you are not happy with the column width that hardwrap chooses, but want to assume your own width $\langle max-line-chars \rangle$ (e.g., your width, measured by your doctor, divided by the width of one character), compute its difference $\langle max-line-chars-minus-one \rangle$ to 1 (maybe by your electronic calculator, or an emulation, or a Lua script, cf. lualatex-doc, or by bigintcalc), and enter the hardwrap instruction

```
\star{setmaxprintline} \{ \langle max-line-chars-minus-one \rangle \}
```

when hardwrap or nicefilelist have been loaded and before the internal macro \@dofilelist is run (which happens at the end of the document or when my-filist's \ListInfos is issued, for instance).

1.5 Usage and Samples with myfilist.sty

1.5.1 Basically

In order to get a reduced and/or rearranged list of file infos with the myfilist package, nicefilelist.sty must be loaded earlier than myfilist.sty. This is due to a kind of limitation of the latter, it *issues* \listfiles (TODO). Therefore \listfiles must be modified earlier—or *issued* earlier, in this case the

\listfiles in myfilist.sty does nothing. The file SrcFILEs.txt accompanying the—first—distribution of nicefilelist was generated by running the following file srcfiles.tex with LATeX:

Note the lines where to place **custom** modifications of settings for alignment (Section 2.2) or failure displays (Section 2.3).

The previous code mentions the following files:

provonly.fd has a proper \ProvidesFile line without date, for seeing what happens in the date and version columns. It also was a test for the case that there are fewer characters than a date has, and there is no blank space.

wrong.prv has a \ProvidesFile line with wrong file name.

empty.f just is an empty file.

from script file srcfiles.tex

 ${\tt utopia.xyz}$ is not present at all, you get an error when you remove the comment mark.

Moreover, my .tex files have dates, but not version numbers, so you see what happens then:

```
*File List*
nicefilelist.sty 2012/03/23 v0.1
                                  more file list alignment (UL)
   monofill.sty 2012/03/19 v0.1a monospace alignment (UL)
   myfilist.sty 2011/01/30 v0.3a \listfiles -- mine only (UL)
   readprov.sty 2010/11/27 v0.3 file infos without loading (UL)
nicefilelist.tex 2012/03/23 --
                                   documenting nicefilelist.sty
   provonly.fd -- -- --
                                   such
      wrong.prv * NOT FOUND *
                 * NOT FOUND *
      empty.f
    srcfiles.tex 2012/03/23 --
                                  file infos -> SrcFILEs.txt
    ******
 List made at 2012/03/23, 10:31
```

1.5.2 More Generally and Shorthand

In the above example, the myfilist command '\EmptyFileList' was missing—it was not intended there. Usually however, it *is* intended, i.e., the following sequence of lines is wanted:

Here you also see usage of package option [r] for release numbers and the adjustment

```
\label{logist-name} $$ \MFfieldtemplate{f-base} {\langle longest-name \rangle} $$
```

according to Section 2.2.

With v0.5, the last three code lines in the snippet above can be replaced by

```
[\mbox{\tt MaxBaseEmptyList} \{\mbox{\tt $longest-name$}\} \mbox{\tt $[\langle read-again-files$\rangle]$}]
```

—"optionally" without ' $[\langle read\text{-}again\text{-}files\rangle]$ '. This may save the user from worrying about usage with myfilist.

nicefilelist formats file lists nicely even when base filenames have eight characters at most, what IATEX's original \listfiles was made for. v0.6 simplifies this case by a star version of \MaxBaseEmptyList:

```
\MaxBaseEmptyList*
```

works like \MaxBaseEmptyList{nicefile} (eight characters)—still, optional $[\langle read\text{-}again\text{-}files \rangle]$ may follow. This feature is demonstrated with inputtre v/r0.3.

1.5.3 Sample with Wrapped Caption Column

The most recent version of the accompanying 'SrcFILEs.txt' contains the following:

```
*File List*
----RELEASE.---
nicefilelist.RLS 2012/12/12 v0.7a [wrap], 'mono' typo
----PACKAGE.--- -- -- --
nicefilelist.sty 2012/12/12 v0.7a more file list alignment (UL)
-----DOCSRC.---
nicefilelist.tex 2012/10/30 --
                                documenting nicefilelist.sty
  srcfiles.tex 2012/10/30 --
                                file infos -> SrcFILEs.txt
----DEMO.---
   provonly.fd -- -- --
                                no date, no version, but a lot of info,
                                look how that is wrapped!
      wrong.prv * NOT FOUND *
empty.f * NOT FOUND *
```

```
hardwrap.sty 2011/02/12 v0.2 Hard wrap messages
myfilist.sty 2012/11/22 v0.71 \listfiles -- mine only (UL)
readprov.sty 2012/11/22 v0.5 file infos without loading (UL)
fifinddo.sty 2012/11/17 v0.61 filtering TeX(t) files by TeX (UL)
makedoc.sty 2012/08/28 v0.52 TeX input from *.sty (UL)
niceverb.sty 2012/11/27 v0.51 minimize doc markup (UL)
texlinks.sty 2012/12/08 v0.71 TeX-related links (UL)
makedoc.cfg 2012/11/30 -- documentation settings
mdoccorr.cfg 2012/11/13 -- 'makedoc' local typographical corrections
-not-so-much.--- -- -- --
kvsetkeys.sty 2009/07/30 v1.5 Key value parser with default handler
support (HO)

*************

List made at 2012/12/12, 23:37
from script file srcfiles.tex
```

This exemplifies

- 1. wrapping of 'provonly.fd''s and kvsetkeys.sty file info within the caption column using nicefilelist's '[wrap]' option,
- 2. inserted "comments" from myfilist's '\FileListRemark',
- 3. a file 'nicefilelist.RLS' for a release summary. This is to track what has happened most recently, whether the most recent release has been installed (system-wide), or (for me) whether most recent versions of package and documentation have been released. When such an '.RLS' file is installed together with packages in the 'tex' subtree of a TDS, the release summary can be accessed quickly as a terminal display by one of the packages ltxfileinfo, latexfileversion, or typeoutfileinfo. One aim of the '[wrap]' option is allowing longer "release captions" (looking fine in the package file list) than fit into a small part of a single line.

The above 'SrcFILEs.txt' has been generated from the following version of the TFX script 'srcfiles.tex':

```
\FileListRemark[ -- ]{-----DOCSRC.---}
\ReadFileInfos{nicefilelist,srcfiles.tex}
\FileListRemark[ -- ]{-----DEMO.---}
\ReadFileInfos{provonly.fd,wrong.prv,empty.f}
%\ReadFileInfos{utopia.xxx}
%\FileListRemark[ -- ]{DOCUTILITIES.---}
%\FileListRemark[ -- ]{usedNICETEXT.---}
\FileListRemark[ -- ]{-----USED.---}
\ReadPackageInfos{hardwrap,
                  myfilist, readprov,
                  fifinddo, makedoc, niceverb, texlinks}
\ReadFileInfos{makedoc.cfg,mdoccorr.cfg}
\FileListRemark[ -- ]{-not-so-much.---}
\ReadPackageInfos{kvsetkeys}
%\NoStopListInfos[SrcFILEs.txt]
%\EqualityMessages
\CheckDateOfPDFmod{nicefilelist.sty}
\CheckDateOfPDFmod{nicefilelist.tex}
\CheckDateOfPDFmod{nicefilelist.RLS}
\CheckDateOfPDFmod{srcfiles.tex}
%\stop
\NoBottomLines \ListInfos[SrcFILEs.txt]
```

2 Implementation

2.1 Package File Header (Legalese)

```
\NeedsTeXFormat{LaTeX2e}[1994/12/01]
    \ProvidesPackage{nicefilelist}[2012/12/12 v0.7a
                                   more file list alignment (UL)]
    %% Copyright (C) 2012 Uwe Lueck,
    %% http://www.contact-ednotes.sty.de.vu
    %% -- author-maintained in the sense of LPPL below --
    % This file can be redistributed and/or modified under
    %% the terms of the LaTeX Project Public License; either
    %% version 1.3c of the License, or any later version.
    %% The latest version of this license is in
12
    %%
           http://www.latex-project.org/lppl.txt
    %% We did our best to help you, but there is NO WARRANTY.
13
    %% Please report bugs, problems, and suggestions via
    %%
        http://www.contact-ednotes.sty.de.vu
17
```

2.2 Alignment Settings

We use the monofill package for alignment of plain text:

19 \RequirePackage{monofill} [2012/10/29]

See its documentation for details. The [wrap] option provided by nicefilelist v0.7 requires monofill v0.2 as of 2012-10-29.

We support three alignment "fields" according to the terminology of monofill. Their ids are <code>f-base</code> for base filenames, <code>f-ext</code> for filename extensions, and <code>f-version</code> for the revision version id of a file as read from <code>\ProvidesFile</code>, <code>\ProvidesPackage</code>, or <code>\ProvidesClass</code> command in the file. Initial settings for them are following. For modifying them, load nicefilelist.sty, then type your own settings, then issue <code>\listfiles</code> or load myfilist.sty.

```
20 \MFfieldtemplate{f-base}{nicefilelist}
```

- 21 \MFfieldtemplate{f-ext}{tex}
- 22 \MFfieldtemplate{f-version}{v0.11a}

We are not supporting version numbers greater than 9 at present—sorry! (TODO)

\NFLspaceII, \NFLspaceIII, and \NFLspaceIII determine the space between the four columns for names, dates, versions, and "captions":

```
23 \newcommand*{\NFLspaceI} { \space}
```

- 24 \newcommand*{\NFLspaceII} { \space}
- 25 \newcommand*{\NFLspaceIII}{ }

2.3 Failure Displays

\\notate is displayed in place of a file date if it seems not to be given (configurable):

```
26 \newcommand*{\NFLnodate}{ -- \space-- --}
```

NFLnoversion likewise—however, for alignment, each wanted space must be specified as \space (not just a code blank space). It may need adjustment (by \renewcommand) when \MFfieldtemplate{f-version} is modified:

27 \newcommand*{\NFLnoversion}{\space--}

```
\NFLnotfound is for files with wrong or no \Provides... command:
```

```
28 \newcommand*{\NFLnotfound}{ * NOT FOUND *}
```

2.4 Package Options

v0.4 offers package option [r] that allows strings with r in place of v, for "release." \NFL@v@digit's definition therefore depends ... we use \@listfiles for a "message" there. For the original restricted functionality, it expands to \NFL@false.

29 \def\@listfiles{\noexpand\NFL@false}

Package option [r] carries out another test instead. See the accompanying file SrcFILEs.txt to see the effect. TODO: update example!?

v0.7 offers package option [wrap] for automatical wrapping within the "captions" column, based on Will Robertson's and Kevin Godby's hardwrap package. The difference between this option and the functionality without is controlled by the macro \NFL@filerow. Without it expands to \typeout

```
37 \newcommand*{\NFL@filerow}{\typeout}
```

—\let does'nt work with myfilist's redefinition of \typeout. With [wrap], \NFL@filerow applies hardwrap's \HardWrap:

```
38 \DeclareOption{wrap}{%
39 \renewcommand*{\NFL@filerow}[1]{%
40 \HardWrap\typeout\hw@maxprintline\relax{^^J%
41 \MFrightinfield\space{f-base} %
42 \MFleftinfield \space{f-ext}%
43 \NFLspaceI\@spaces\space\@spaces\space \NFLspaceII
44 \MFrightinfield\space{f-version}\NFLspaceIII}{%
45 #1}}%
```

Alignment of filenames with hardwrap seems to need

```
46 \renewcommand*{\MFfillelement}{\MFotherspace}
```

from monofill v0.2.

```
17 }
```

The display width is controlled by hardwrap's counter \hw@maxprintline. Unless hardwrap finds something special, its content is 79, corresponding to a display width of 80 characters (I believe—counting the leftmost character as '0', as editors like to do). You can choose a different content value \langle max-char-col \rangle by hardwrap's

```
\setmaxprintline\{\langle max\text{-}char\text{-}col\rangle\}
```

48 \ProcessOptions

The next \ifx is to check whether [wrap] has been demanded and hardwrap is needed:

```
49 \ifx\NFL@filerow\typeout \else
50 \RequirePackage{hardwrap}
51 \fi
```

2.5 Safe Tests

For fairly safe tests, we briefly use an exotic version of \mathbb{Q} (similarly to ifmptarg and url):

52 \catcode'\Q=7 \let\NFL@criterion=Q \catcode'\Q=11

It appears to me that expandable tests like the ones employed here never are perfectly safe; you only can say that it is safe with a source meeting certain conditions. fifinddo originally was made for "plain text," to be read from files without assigning TeX's special category codes. *Here* we assume that the source (text in \Provides... arguments) will never contain such a "funny Q".

2.6 Redefining \listfiles

Similarly to original IAT_EX, \lambda listfiles carries almost everything that is needed for the file list only. 2012-10-29: little point in this, perhaps, in that the package should be loaded when running \listfiles is intended—TODO. Or maybe it is loaded just in case?

```
753 \renewcommand*{\listfiles}{%
754 \let\listfiles\relax
```

—this clears memory. Now LATEX doesn't collect file names for \listfiles when \@listfiles is undefined, therefore

55 % \let\@listfiles\relax

```
\dots postponed for v0.4 \dots
```

\\Qdofilelist is executed by the standard IATEX \enddocument macro or by \\ListInfos from the myfilist package.

```
56 \def\@dofilelist{%
```

"Title:"

```
57 \typeout{^^J %% trick 2012/03/29 vv

58 \MFrightinfield{*File Lis}{f-base}t*}%

59 \@for\@currname:=\@filelist\do{%
```

This starts the loop through the list of files

```
60 \filename@parse\@currname
61 \edef\filename@ext{%
62 \ifx\filename@ext\relax tex\else\filename@ext\fi}%
```

Like LATEX's \reserved@b:

```
63 \expandafter\let\expandafter\0tempb
64 \csname ver0\filename@base.\filename@ext\endcsname
```

According to source2e.pdf, \filename@area may be a directory. Trying support of this is seems to be a new feature with v0.2—not tested, TODO!

65 \edef\@tempa{\filename@area\filename@base}%

Actually I would like to be able to do even the filename parsing expandably—for all systems, texsys.cfg!?? TODO

```
66 \NFL@filerow{%
```

Now all parsing and checking must be expandable.

```
67
              \NFL@make@macro@arg\MFrightinfield\@tempa
                                                                {f-base}.%
              \NFL@make@macro@arg\MFleftinfield \filename@ext{f-ext}%
68
              \NFLspaceI
69
70
              \NFL@ifx@kbl\@tempb\relax\NFLnotfound{%
                \NFL@make@macro@arg\NFL@space@split\@tempb
71
                                                     \NFL@maybe@three
72
                                                      \NFL@date@or@rest
73
              }%
74
            }%
75
          }%
76
```

The line of stars:

TODO or more stars as with longnamefilelist?

```
79 }%
```

This finishes the definition of \@dofilelist.

```
\NFL@make@macro@arg\langle cmd-1 \rangle \langle cmd-2 \rangle
```

results in $\langle cmd-1 \rangle \{ \langle t\text{-}list \rangle \}$ where $\langle t\text{-}list \rangle$ is the one-step expansion of $\langle cmd-2 \rangle$:

def\NFL@make@macro@arg##1##2{\expandafter##1\expandafter{##2}}%

[\NFL@space@split{\langle token-list\}]{\langle unspaced\}] passes prefix and suffix as arguments to \langle spaced \rangle if a space token is within \langle token-list \rangle, otherwise \langle unspaced \rangle gets the original \langle token-list \rangle as single argument. The latter is useful here where \langle token-list \rangle becomes visible only by an \expandafter. The following construction is discussed more generally in the bitelist package.

```
81 \def\NFL@space@split##1{%
82 \NFL@return@space@split##1\@nil: \NFL@criterion\@nil\@nil@{##1}}%
```

\NFL@return@spaces@split essentially has *three* parameters delimited by \sqcup , \@nil, and \@nil again.

```
83 \def\NFL@return@space@split##1 ##2\@nil##3\@nil@##4##5##6{%
84 \NFL@ifx@kbl\NFL@criterion{##2}%
```

If #2 is empty, \NFL@ifx@kbl (as of v0.3) compares \NFL@criterion (criterion indicating "unspaced") with \expandafter. This only happens when the space is the last thing in $\langle token\text{-}list \rangle$, and $\langle spaced \rangle$ is chosen correctly.

```
{##6{##4}}{##5{##1}{##2}}}%
  [\NFL@ifx@kbl{\langle token\rangle}]{\langle maybe-token\rangle}]{\langle ifx\rangle}{\langle unlessx\rangle}] as of v0.3 should
  save some tokens, in some longer run, especially if we want to add nestings—cf.
  source2e.pdf for "Kabelschacht."
        \def\NFL@ifx@kbl##1##2{%
86
          \ifx##1##2\expandafter \@firstoftwo
87
                     \expandafter \@secondoftwo \fi}%
 88
  Dealing with \NFL@date@or@rest{\langle token-list \rangle} before \NFL@maybe@three:
        \def\NFL@date@or@rest##1{%
 89
          \NFL@if@date{##1}{##1}{\NFL@no@date@version##1}}%
90
   \def\NFL@if@date##1{\NFL@slashes##1\NFL@xi xyzxyzxyzx\@nil}%
91
   \NFL@slashes checks that there are slashes at the expected places:
        \def\NFL@slashes##1##2##3##4##5##6##7##8{%
92
93
          \NFL@ifx@kbl##5/%
            {\NFL@ifx@kbl##8/\NFL@ten@only\NFL@false}%
94
95
            \NFL@false
  This especially happens when \langle token\text{-}list \rangle is empty. Digit candidates back:
          {##1##2##3##4##6##7}}%
  If the word is a date, we now have taken 6 of the 8 digits.
         \NFL@ten@only{\langle digits \rangle}\langle digit \rangle\langle digit \rangle Q
  takes the two remaining and then a thing that should be Q in the funny sense
  of Sec. 2.5.
        \def\NFL@ten@only##1##2##3##4{%
98
          \NFL@ifx@kbl\NFL@xi##4\NFL@digits\NFL@false
  Finally checking digits:
          ##1##2##3\@nnil}%
   \overline{\text{NFLQdigits}(token)} is a loop through single tokens:
        \def\NFL@digits##1{%
100
          \NFL@ifx@kbl##1\@nnil\NFL@true{%
101
            \NFL@if@digit@code##1<0\NFL@false{%
102
103
               \NFL@if@digit@code##1>9\NFL@false\NFL@digits
104
            }%
105
          }%
        }%
106
```

```
\def\NFL@if@digit@code##1##2##3{%
107
           \ifnum'##1##2'##3 \expandafter \@firstoftwo
108
             \else
                                \expandafter \@secondoftwo \fi}%
109
   \NFL@false | skips further candidates and dummies and chooses \langle no \rangle:
        \def\NFL@false##1\@nil{\@secondoftwo}%
110
   \NFL@true | skips further candidates and dummies and chooses \langle yes \rangle:
111
        \def\NFL@true##1\@nil{\@firstoftwo}%
   We don't support version without date, therefore run \\NFL@no@date@version
  as soon as we find that the file info does not start with a date:
        \def\NFL@no@date@version{%
112
113
           \NFLnodate\NFLspaceII\NFLnoversion@\NFLspaceIII}%
   \\nFLnoversion@ adds filler to \\nFLnoversion:
114
         \def\NFLnoversion@{%
           \NFL@make@macro@arg\NFL@place@version\NFLnoversion}%
115
   \NFL@maybe@three{\langle word-1 \rangle}{\langle rest \rangle} looks whether \langle word-1 \rangle is a date. If
  it is, it is written to screen, and then we look if \langle rest \rangle contains a version id.
  Otherwise "\langle word-1 \rangle_{-} \langle rest \rangle" is considered a "caption" only.
        \def\NFL@maybe@three##1##2{%
116
           \NFL@if@date{##1}%
117
                         {##1\NFLspaceII
118
                          \NFL@space@split{##2}%
119
                                             \NFL@maybe@version@rest
120
                                             \NFL@version@or@rest}%
121
122
                         {\NFL@no@date@version##1 ##2}}%
   \NFL@version@or@rest{\langle token-list
angle}
123
         \def\NFL@version@or@rest##1{%
           \NFL@if@version{##1}%
124
                             {\NFL@place@version{##1}}%
125
                             {\NFLnoversion@\NFLspaceIII##1}}%
126
   \NFL@if@version\{\langle token\text{-}list\rangle\}\{\langle yes\rangle\}\{\langle no\rangle\}\}:
        \def\NFL@if@version##1{\NFL@v@digit##1xy\@nil}%
127
```

TODO: At applications you see how some tokens could be saved. On the other hand, the macros are more transparent in the present way.

\\NFL@v@digit{\langle t1\rangle}\{\langle t2\rangle}\{\langle rest\rangle}\\\ \text{checks whether the first thing is a v and} the second a digit—unless package option [r] was chosen. v0.4 uses \edef for choosing:

2012/03/22

2012/03/23

147

 $148 \\ 149$

150

almost ready

debugging; \NFLspaceI etc.;

documentation completed

```
\edef\NFL@v@digit##1##2##3\@nil{%
128
         \noexpand\NFL@ifx@kbl##1v%
129
             {\tt \{noexpand\NFL@digits\#2\noexpand\@nnil\}\%}
130
   \@listfiles | will either expand to the original \NFL@false or to a test on r:
131
             \@listfiles
          \noexpand\@nil}%
132
       \let\@listfiles\relax
133
   \NFL@place@version\{\langle token\text{-}list\rangle\}\ adds filler to version id:
       134
   \NFL@maybe@version@rest\{\langle list-1\rangle\}\{\langle list-2\rangle\}:
       \def\NFL@maybe@version@rest##1##2{%
135
         \NFL@if@version{##1}%
136
                         {\NFL@place@version{##1}\NFLspaceIII##2}%
137
                         {\NFLnoversion@\NFLspaceIII##1 ##2}}%
138
139
     }
  2.7
         Shorthand for myfilist
        \mathbb{L}_{\Delta} = \mathbb{L}_{\Delta} 
  (v0.5) or
        \MaxBaseEmptyList*[\langle read-again-files \rangle]
  (v0.6) as described in Section 1.5.2:
140
     \newcommand*{\MaxBaseEmptyList}{%
141
         \@ifstar{\maxBaseEmptyList{abcdabcd}}\maxBaseEmptyList}
     \newcommand*{\maxBaseEmptyList}[1]{%
142
143
         \MFfieldtemplate{f-base}{#1}%
144
         \RequirePackage{myfilist}\EmptyFileList}
  So \maxBaseEmptyList is like former \MaxBaseEmptyList without expecting
  a star—available to users.
  2.8
         Leaving the Package File
145
     \endinput
         VERSION HISTORY
  2.9
     v0.1
            2012/03/20
                          started
146
```

3 CREDITS 16

```
v0.2
            2012/03/24
                          file info processed by \typeout - start
151
             2012/03/25
                          trying, debugging
152
            2012/03/26
                          continued; \NFL@place@version, \NFLnoversion@;
153
                          works, reordered; another fix about Q -> \@empty
154
            2012/03/27
                          undone the latter, explained; improved remarks on
155
                          \@listfiles
156
157
             2012/03/29
                          alignment of title/stars with base<11
158
     v0.30
            2012/05/18f. \NFL@ifx@kbl in \NFL@return@space@split
159
                          all \ifx reimplemented, old code kept
             2012/05/20
160
            STORED INTERNALLY
161
                          removing old code - STORED INTERNALLY
162
     v0.31
            2012/05/20
     v0.32 2012/05/20
                          removing \NFL@xpxpxp; replacing \NFL@after@false
163
                          by \NFL@ifnum@kbl, keeping old code
164
            STORED INTERNALLY
165
     v0.33 2012/05/20
166
                          removing old code; added 3 %s
            STORED INTERNALLY
167
     v0.4
            2012/05/20
                          option [r]
168
169
     v0.5
            2012/09/30
                          \MaxBaseEmptyList
170
     v0.6
            2012/10/03
                          \MaxBaseEmptyLists first arg. only optional
             2012/10/11
                          ... bad with 2nd opt. arg., *
171
                          "updating" date in \Provides...!
     v0.7
            2012/10/13
172
            2012/10/28
                          \HardWrap first try
173
            2012/10/29
                          \HardWrap newline material -> [wrap]
174
175
                          sec:test below sec:opt, mentioning 'url'
176
             2012/10/30
                          correcting \NFL@filerow without wrapping,
                          doc.: |...| in sec:opt
177
     v0.7a 2012/12/12
                          doc. monospace -> monofill
178
179
```

3 Credits

- 1. It was Martin Münch who pointed out the shortcomings of longname-filelist that the present package addresses—thanks!
- 2. For Alois Kabelschacht—whose idea in TUGboat 8 $\#2^2$ is used for v0.3—cf. the dowith documentation.

4 Missing

The package once might provide keyval-style optional arguments for \listfiles or even call \listfiles automatically with keyval package options.

²"\expandafter vs. \let and \def in Conditionals and a Generalization of PLAIN's \loop," TUGboat Vol. 8 (1987), No. 2, pp. 184f. (tug.org/TUGboat/tb08-2/tb18kabel.pdf)