

File created: 27-Mar-2024 23:45:38 {WMEDLEY}<lispusers>TEDIT-PF-SEE.;119

edit by: rmk

changes to: (FNS PF-TEDIT)

previous date: 25-Dec-2023 12:29:39 {WMEDLEY}<lispusers>TEDIT-PF-SEE.;118

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

(RPAQQ TEDIT-PF-SEECOMS

```
  [(FNS PF-TEDIT)
   (COMMANDS ts tf)
   (FILES (SYSLOAD)
           REGIONMANAGER)
   (P (MOVD? 'PFCOPYBYTES 'PFI.MAYBE.PP.DEFINITION))
   (DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVERS (ADDVARS (NLAMA)
                                                                           (NLAML)
                                                                           (LAMA]))
```

(DEFINEQ

(PF-TEDIT

[LAMBDA (FN IFILES REPRINT)

```
; Edited 27-Mar-2024 23:45 by rmk
; Edited 25-Dec-2023 12:24 by rmk
; Edited 5-Dec-2023 23:50 by rmk
; Edited 12-Oct-2023 00:19 by rmk
; Edited 14-Sep-2023 22:33 by rmk
; Edited 14-Jul-2023 00:14 by rmk
; Edited 5-May-2022 23:11 by rmk
; Edited 12-Jan-2022 13:15 by rmk
; Edited 30-Dec-2021 23:17 by rmk
```

;; PF\* to a read-only TEDIT window. First argument is the function name, second if given is the input file.

;; This uses PFCOPYBYTES so we see what it looks like on the file. But some functions were not prettyprinted, so they appear as useless  
;; garbage.

;; In that case, calling again with REPRINT=T will read and reprint. And, invoking tf again with no arguments at all will also reprint the last function  
;; in the same window

```
(SETQ IFILES (MKLIST IFILES))
(CL:WHEN (LISTP FN)
  (SETQ FN (CAR FN)))
(SELECTQ FN
  ((t T NIL)
   (SETQ REPRINT T)
   (SETQ FN LASTWORD))
  (SETQ LASTWORD FN))
(CL:UNLESS FN (ERROR "No function to print"))
(CL:WHEN (INTERSECTION '(T t)
  IFILES)
  (SETQ REPRINT T)
  [SETQ IFILES (LDIFFERENCE IFILES '(t T))])
(IF [OR IFILES (SETQ IFILES (APPEND (WHEREIS FN 'FNS T)
  (WHEREIS FN 'FUNCTIONS T)))] ; skip compiled files
  THEN
```

;; Since we are creating readonly Tedits, try to keep the TTY where it is.

```
(FOR IFILE LOC TSTREAM ENV EXPR TFPROP WINDOW INSIDE IFILES
  UNLESS (MEMB (FILENAMEFIELD IFILE 'EXTENSION)
    *COMPILED-EXTENSIONS*)
  DO (SETQ LOC (FINDFNDEF FN IFILE))
    (IF (LISTP LOC)
      THEN (SETQ TFPROP (LIST FN (CAR LOC)))
        [SETQ WINDOW (FIND W IN (OPENWINDOWS)
          SUCHTHAT (AND (EQUAL TFPROP (WINDOWPROP W 'TF))
            (fetch (TEXTWINDOW WTEXTSTREAM) of W]
        (IF (AND WINDOW (NOT REPRINT))
          THEN ; If already an open PF window on this function in this file, just raise it to the top
            (TOTOPW WINDOW)
            (RETURN)
          ELSE (CL:WITH-OPEN-FILE (ISTREAM (POP LOC)
            :DIRECTION :INPUT)
            (SETQ ENV (LISPSOURCEFILEP ISTREAM))
            (SETFILEINFO ISTREAM 'FORMAT ENV)
            (SETQ TSTREAM (OPENTEXTSTREAM))
            (DSPFONT DEFAULTFONT TSTREAM)
            (PRINT-READER-ENVIRONMENT ENV TSTREAM)
            (IF REPRINT
              THEN (SETFILEPTR ISTREAM (POP LOC))
                (SETQ EXPR (WITH-READER-ENVIRONMENT ENV (READ ISTREAM)))
                (WITH-READER-ENVIRONMENT ENV
                  (IF (EQ FN (CAR EXPR))
                    THEN (DSPFONT BOLDFONT TSTREAM)
```

```

(Print FN TSTREAM)
(DSPFONT DEFAULTFONT TSTREAM)
(SETQ EXPR (CADR EXPR))
(PRINTDEF EXPR 3 T NIL NIL TSTREAM)
ELSEIF (EQ FN (CADR EXPR))
THEN ;; Presumably a DEFUN. Print the CAR, boldface the cadr
(Printout TSTREAM "(" .P2 (CAR EXPR)
" " .FONT BOLDFONT .P2 (CADR EXPR)
.FONT DEFAULTFONT " " .P2 (CADDR EXPR)
T 3)
(PrintDEF (CADDR EXPR)
3 T T NIL TSTREAM)
(PRIN3 ")" TSTREAM)
ELSE (PRINTDEF EXPR 3 NIL NIL NIL TSTREAM)))
ELSE (PFI.MAYBE.PP.DEFINITION ISTREAM TSTREAM (POP LOC)
(POP LOC))
(TEPRI TSTREAM)
[TEDIT TSTREAM (OR WINDOW 'TF)
NIL
\ (READONLY T LEAVETTY T TITLE ,(CONCAT FN " from "
(FULLNAME ISTREAM)
(TEXTPROP TSTREAM 'ITEM-NAME FN)
(TEXTPROP TSTREAM 'BOUNDTABLE (TEDIT.ATOMBOUND.READTABLE *READTABLE*
))
;; The windowprop allows for reprinting as a window action, or reprinting from a command that can
;; find and reuse the previous (presumably unpretied) window.
(WINDOWPROP (WFROMDS TSTREAM)
'TF TFPROP))
ELSEIF (EQ LOC 'FILE.NOT.FOUND)
THEN (printout T "file " IFILE " not found." T)
ELSE (printout T FN " not found on " LOC "." T))
(SETQ *LAST-DF* FN)
ELSE (PRINTOUT T FN " has no function definition" T])
)

(DEFCOMMAND ts (FILE WINDOW FORMAT)
(TEDIT-SEE (OR (FINDFILE-WITH-EXTENSIONS FILE NIL '(NIL TEDIT TED TXT TEXT TEX))
(ERROR "FILE NOT FOUND" FILE))
(OR WINDOW 'SEE)
FORMAT))

(DEFCOMMAND tf (FN . IFILES) (PF-TEDIT FN IFILES))

(FILESLOAD (SYSLOAD)
REGIONMANAGER)

(MOVD? 'PFCOPYBYTES 'PFI.MAYBE.PP.DEFINITION)

(DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVERS

(ADDTOVAR NLAMA )
(ADDTOVAR NLAML )
(ADDTOVAR LAMA )
)

```

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**FUNCTION INDEX**

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**COMMAND INDEX**

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