

File created: 16-Mar-2024 11:16:38 {WMEDLEY}<lispusers>GREP.;31

edit by: rmk

changes to: (FNS DOGREP)

previous date: 15-Mar-2024 16:28:09 {WMEDLEY}<lispusers>GREP.;29

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

```
(RPAQQ GREPCOMS [(FNS DOGREP GREP TGREP)
                  (P (MOVD? 'NIL 'TEDIT.FORMATTEDFILEP))
                  (COMS (FNS PHONE)
                        (INITVARS (PHONELISTFILES)))]
```

(DEFINEQ

(DOGREP

[LAMBDA (STRS FILES OUTSTREAM)

;; Edited 16-Mar-2024 11:16 by rmk

;; Edited 20-Jan-2024 13:12 by rmk

;; Edited 19-Jul-2022 22:26 by rmk

;; Edited 26-Jun-2022 14:36 by rmk

(* Newman "14-May-86 08:04")

(* Newman "14-May-86 08:04")

;;; Originally coded by Larry Masinter.

;;; No longer permanently modifies the DSPFONT when DSPFONT is not the same as the DEFAULTFONT. -DVN '14-May-86 08:03:59'

(* * No longer permanently modifies the DSPFONT when DSPFONT is not the same as the DEFAULTFONT.
-DVN "14-May-86 08:03:59")

```
(if (LISTP FILES)
    then (for FILE in FILES do (DOGREP STRS FILE OUTSTREAM))
    elseif (STRPOS "*" FILES)
    then (DOGREP STRS (DIRECTORY FILES NIL "" "")
              OUTSTREAM)
    elseif (DIRECTORYNAMEP FILES)
    elseif (CL:WITH-OPEN-FILE (STREAM (OR (FINDFILE FILES T)
                                          FILES)
                                   :DIRECTION :INPUT)
      (for STR FOUND FILENAME inside STRS first (SETQ FILENAME (FULLNAME STREAM))
          (CL:WHEN (TEDIT.FORMATTEDFILEP STREAM)
            [SETQ STREAM (OPENTEXTSTREAM STREAM NIL NIL NIL
              ' (OBJECTBYTE 0))
              (SETFILEINFO STREAM 'ENDOFSTREAMOP
                (FUNCTION NIL))
            do (SETFILEPTR STREAM 0)
              (bind POS STARTPOS while (SETQ POS (FFILEPOS STR STREAM NIL NIL NIL NIL UPPERARRAY))
                do (CL:UNLESS FOUND
                    (PRINTOUT OUTSTREAM T T .FONT BOLDFONT "{from " FILENAME "}" .FONT DEFAULTFONT
                     T)
                    (SETQ FOUND T))
                  ;; Copying from the beginning of this line. Originally this used BFILEPOS (backwards FILEPOS?), which did
                  ;; repeated calls to forward FFILEPOS in what appears to be a binary set of probes. But FFILEPOS is really
                  ;; SLOW-POS for a single character, and the last line-start is presumaby not that far back. So just walk
                  ;; backwards.
                  (SETQ STARTPOS (DO (SELCHARQ (\BACKCCODE.EOLC STREAM 'ANY)
                                              (EOL (\INCCODE.EOLC STREAM)
                                              (RETURN (GETFILEPTR STREAM)))
                                      (NIL (RETURN 0))
                                      NIL)))
                  (FOR I C FROM 1 TO (IDIFFERENCE POS STARTPOS)
                    DO (SETQ C (\INCCODE.EOLC STREAM 'ANY))
                      (CL:UNLESS (ILESSP C (CHARCODE TAB))
                        (PRINTCCODE C OUTSTREAM)))
                    (DSPFONT BOLDFONT OUTSTREAM)
                    (COPYCHARS STREAM OUTSTREAM POS (ADD POS (NCHARS STR)))
                    (DSPFONT DEFAULTFONT OUTSTREAM)
                  ;; Copying to the end of this line (or end of file)
                  [BIND C DO (SELCHARQ (SETQ C (\INCCODE.EOLC STREAM 'ANY))
                                      ((EOL NIL)
                                       (RETURN))
                                      (CL:UNLESS (ILESSP C (CHARCODE TAB))
                                        (PRINTCCODE C OUTSTREAM)
                                      (TERPRI OUTSTREAM)]
```

(GREP

```
[LAMBDA (STRS FILES OUTSTREAM)
;; Edited 14-Oct-2023 14:43 by rmk
;; Edited 1-Sep-2023 00:16 by rmk
;; Edited 23-Jul-2023 19:55 by rmk
;; Edited 26-Jun-2022 13:28 by rmk: added OUTSTREAM
;; Edited 26-Jun-2022 13:25 by rmk
(* Imm " 1-Apr-85 15:27")
(* Imm " 1-Apr-85 15:27")

(RESETLST
[SELECTQ OUTSTREAM
(NIL (SETQ OUTSTREAM T))
(T)
(CL:UNLESS (GETSTREAM OUTSTREAM 'OUTPUT T)
[RESETSAVE (SETQ OUTSTREAM (OPENSTREAM OUTSTREAM 'OUTPUT 'NEW))
'(PROGN (CLOSEF? OLDVALUE))])
[RESETSAVE NIL '(PROGN (DSPFONT , (DSPFONT NIL OUTSTREAM)
,OUTSTREAM)]
[RESETSAVE (LINELENGTH T OUTSTREAM)
'(PROGN (LINELENGTH OLDVALUE ,OUTSTREAM)]
(DOGREP STRS FILES OUTSTREAM)
OUTSTREAM)])
```

(TGREP

```
[LAMBDA (STRS FILES)
(TEXTSTREAM (TEDIT (GREP STRS FILES (OPENTEXTSTREAM))
'TGREP NIL '(READONLY T))
```

; Edited 20-Jan-2024 14:14 by rmk

)

(MOVED? 'NILL 'TEDIT.FORMATTEDFILEP)

(DEFINEQ

(PHONE

```
[LAMBDA (NAME)
(GREP NAME (OR PHONELISTFILES (PROMPTFORWORD "Name of directory file: ")))
```

(* Imm " 5-Mar-86 12:14")

)

(RPAQ? PHONELISTFILES)

FUNCTION INDEX

DOGREP1 GREP1 PHONE2 TGREP2

VARIABLE INDEX

PHONELISTFILES2
