

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 presumably not that far back. So just walk
                                          ;; backwards.
                                          (SETQ STARTPOS (DO (SELCHARQ (\BACKCODE.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

)

(MOVD? '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
