

File created: 20-Oct-2022 16:13:17 {DSK}<home>larry>ilisp>test>new>printing>HCFILES.;5

changes to: (FNS PRETTYFILES HCFILES BADFILE)
(VARS HCFILESCOMS)

previous date: 9-Aug-2022 20:44:48 {DSK}<home>larry>ilisp>test>new>printing>HCFILES.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

```
(RPAQQ HCFILESCOMS ((FNS BADFILE HCFILES PRETTYFILES)
                    (INITVARS (HCFILES)
                              (BADFILES))))
```

(DEFINEQ

(BADFILE

[LAMBDA NIL

```
(pushnew BADFILES *FILE*)
(LET [(STR (OPENSTREAM "BADFILES.TXT" 'APPEND)
      (SETFILEPTR STR -1)
      (PRINT *FILE* STR)
      (CLOSEF STR))
      (RETFROM (OR (STKPOS 'PRETTYFILES)
                   'HCFILES])
```

; Edited 20-Oct-2022 15:40 by Imm

; Edited 22-Jun-2022 09:40 by larry

(HCFILES

[LAMBDA (*FILE* DEST REDOFLG TOPDIRLEN)

```
(DECLARE (SPECVARS *FILE*)
         (GLOBALVARS BADFILE))
```

; Edited 20-Oct-2022 16:11 by Imm

; Edited 9-Aug-2022 20:44 by Imm

```
(if (NULL *FILE*)
    then (SETQ *FILE* MEDLEYDIR))
```

(COND

((DIRECTORYNAMEP *FILE*)

;; canonicalize

```
(SETQ *FILE* (DIRECTORYNAME *FILE*))
[OR TOPDIRLEN (SETQ TOPDIRLEN (CL:LENGTH (FILENAMEFIELD.STRING *FILE* 'DIRECTORY)
CL:UNLESS DEST
  (ShellCommand (CONCAT "mkdir -p " (UNIX-GETENV "MEDLEYDIR")
                       "/tmp/psfiles/"))
  (SETQ DEST (MEDLEYDIR "tmp/psfiles" NIL T T)))]
```

;; first deal with files in this directory

```
(for EXT in '("TED*" "SKETCH") do (for X in (DIRECTORY (CONCAT *FILE* "*" EXT ";"))
do (HCFILES X DEST REDOFLG TOPDIRLEN)))
```

;; then deal with subdirs

```
(for X in (DIRECTORY (CONCAT *FILE* "*")) when [for SKIP in '(">." ">dinfo>")
always (NOT (STRPOS SKIP (L-CASE X)
when (DIRECTORYNAMEP X) do (HCFILES X DEST REDOFLG TOPDIRLEN))]
```

[(SETQ *FILE* (INFILEP *FILE*))

(LET* ((TF (UNPACKFILENAME.STRING *FILE*))

(NAME (LISTGET TF 'NAME))

(DIR (LISTGET TF 'DIRECTORY))

(PSFILE (PACKFILENAME.STRING 'EXTENSION (if (EQ REDOFLG 'IP)

then "IP"

else "PS")

'NAME

(if (EQ DEST T)

then

NAME

; with the tedit file

```
else (CONCAT [PACK (SUBST '- '> (UNPACK (SUBSTRING DIR (IPLUS 2 TOPDIRLEN)
-1]
```

"-" NAME))

'HOST

(LISTGET TF 'HOST)

'DIRECTORY

(if (EQ DEST T)

then DIR

else DEST))

(TEXTSTREAM))

(if (AND (NOT REDOFLG)

(INFILEP PSFILE))

then

; do nothing

(PRINTOUT T PSFILE " already there" T)

elseif (EQ REDOFLG 'TEST)

then (PRINTOUT T *FILE* "-> " PSFILE T)

(CLOSEF (OPENTEXTSTREAM *FILE*))

elseif (MEMBER *FILE* BADFILES)

then (PRINTOUT T "Skipping " *FILE* " on BADFILES")

else (PRINTOUT T "Converting " *FILE* " to " PSFILE "...")

```

(TEDIT.FORMAT.HARDCOPY (SETQ TEXTSTREAM (OPENTEXTSTREAM *FILE*))
  PSFILE T NIL NIL NIL (if (EQ REDOFLG 'IP)
    then 'INTERPRESS
    else 'POSTSCRIPT))

(printout T " DONE" T)
(CLOSEF? TEXTSTREAM)
(T (PRINTOUT T "no such file " T])

```

(PRETTYFILES

```

[LAMBDA (*FILE* DEST REDOFLG TOPDIRLEN)
  (DECLARE (SPECVARS *FILE*)
    (GLOBALVARS BADFILES))
  ; Edited 20-Oct-2022 16:12 by Imm
  ; Edited 9-Aug-2022 20:44 by Imm

  (if (NULL *FILE*)
    then (SETQ *FILE* MEDLEYDIR))
  (COND
    ((DIRECTORYNAMEP *FILE*)
      ;; canonicalize
      (SETQ *FILE* (DIRECTORYNAME *FILE*))
      [OR TOPDIRLEN (SETQ TOPDIRLEN (CL:LENGTH (FILENAMEFIELD.STRING *FILE* 'DIRECTORY)
        (CL:UNLESS DEST
          (ShellCommand (CONCAT "mkdir -p " (UNIX-GETENV "MEDLEYDIR")
            "/tmp/psfiles/"))
          (SETQ DEST (MEDLEYDIR "tmp/psfiles" NIL T T)))]
      ;; first deal with files in this directory; ignore files with extensions for now".LISP" "*.LISP"
      (for PAT in '("*.;"") do (for X in (DIRECTORY (CONCAT *FILE* PAT)) WHEN (NOT (DIRECTORYNAMEP X))
        WHEN (INFILEP X) WHEN (CAR (OR (NLSETQ (LISPSOURCEFILEP X))
          (PROGN (PRINTOUT T "LISPSOURCEFILEP error" X)
            NIL)))
          do (PRETTYFILES X DEST REDOFLG TOPDIRLEN)))

      ;; then deal with subdirs
      (for X in (DIRECTORY (CONCAT *FILE* "")) when [for SKIP IN '("clos" "cltl2" "rooms>" ".>")
        always (NOT (STRPOS SKIP (L-CASE X)
          when (DIRECTORYNAMEP X) do (PRETTYFILES X DEST REDOFLG TOPDIRLEN)))]
      [(AND (SETQ *FILE* (INFILEP *FILE*))
        (LISPSOURCEFILEP *FILE*))
        (LET* [(TF (UNPACKFILENAME.STRING *FILE*))
          (NAME (LISTGET TF 'NAME))
          (DIR (LISTGET TF 'DIRECTORY))
          (PSFILE (PACKFILENAME.STRING 'EXTENSION "ps" 'NAME
            (if (EQ DEST T)
              then
                ; with the source file
                (CONCAT NAME ".pfi")
              else (CONCAT [PACK (SUBST '- '> (UNPACK (SUBSTRING DIR (IPLUS 2 TOPDIRLEN)
                -1]
                "- " NAME))
            'HOST
            (LISTGET TF 'HOST)
            'DIRECTORY
            (if (EQ DEST T)
              then DIR
              else DEST]
          (if (AND (NOT REDOFLG)
            (INFILEP PSFILE))
            then
              ; do nothing
              (PRINTOUT T PSFILE " already there" T)
            elseif (MEMBER *FILE* BADFILES)
              then (PRINTOUT T "Skipping " *FILE* " on BADFILES")
            else (PRINTOUT T "Converting " *FILE* " to " PSFILE "...")
              (CL:WITH-OPEN-STREAM (STR (OPENPOSTSCRIPTSTREAM PSFILE))
                (PRETTYFILEINDEX *FILE* NIL STR))
              (printout T " DONE" T]
        (T (PRINTOUT T "no such file " T])
      )
    )
  (RPAQ? HCFILES )
  (RPAQ? BADFILES )

```

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