

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

```
(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)
  "-" 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" ".ILISP"
     (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" "clt12" "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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VARIABLE INDEX

BADFILES2 HCFILES2
