```
12-Mar-85 14:02:50 {ERIS}<LISPCORE>LIBRARY>FILENAMES.;1
 File created:
 changes to:
               (VARS FILENAMESCOMS)
 Read Table:
               OLD-INTERLISP-FILE
   Package:
               INTERLISP
      Format:
                XCCS
          (* * Copyright (c) 1985 by Xerox Corporation. All rights reserved.)
(RPAQQ FILENAMESCOMS ((FNS REPACKFILENAME.STRING REPACKFILENAME.STRING.D REPACKFILENAME.STRING.LISPM
                               REPACKFILENAME.STRING.TOPS20 REPACKFILENAME.STRING.UNIX)))
(DEFINEQ
(REPACKFILENAME.STRING
  [LAMBDA (NAME FOROSTYPE)
                                                                       (* edited: "12-Mar-85 13:51")
    (LET ((NAMELST (UNPACKFILENAME.STRING NAME)))
          (SELECTO FOROSTYPE
               (UNIX (REPACKFILENAME.STRING.UNIX NAMELST))
                    (REPACKFILENAME.STRING.TOPS20 NAMELST))
                    (REPACKFILENAME.STRING.LISPM NAMELST))
               ((D IFS)
                   (RÉPACKFILENAME.STRING.D NAMELST))
              NAME])
(REPACKFILENAME.STRING.D
                                                                       (* ejs: " 9-Mar-85 16:02")
  [LAMBDA N
           (* * Convert file names to native format)
    (if (AND (EO N 1)
             (LISTP (ARG N 1)))
        then
                                                                       (* spread argument list)
              (APPLY (FUNCTION REPACKFILENAME.STRING.D)
      (ARG N 1))
else (PROG ((BLIP "")
                   (I 1)
                       DEVICE STRUCTURE DIRECTORY NAME EXTENSION VERSION PACKLIST VAR VAL TEMP)
                  (DECLARE (SPECVARS HOST DEVICE STRUCTURE DIRECTORY NAME EXTENSION VERSION))
             LΡ
                  (COND
                     ((NOT (IGREATERP I N))
                      (COND
                         ((LISTP (SETQ VAR (ARG N I)))
                          (SETQ VAL (CDR VAR))
(SETQ VAR (CAR VAR)))
                         ((NOT (IGREATERP (SETQ I (ADD1 I))
                                       N))
                          (SETQ VAL (ARG N I)))
                         (T (SETQ VAL)))
                      (OR (STRINGP VAL)
                          (ATOM VAL)
                          (ERRORX (LIST 27 VAL)))
                                                                       (* fields must be atom)
                      (SELECTQ VAR
                           (BODY (MAP (UNPACKFILENAME.STRING (COND
                                                                    ((LISTP VAL)
                                                                       (* PACKFILENAME.STRING for error checking of fields)
                                                                     (REPACKFILENAME.STRING.D VAL))
                                                                    (T VAL)))
(* NIL => not yet seen, BLIP => seen as NIL.)
                                       [FUNCTION (LAMBDA (X)
                                                    (OR (EVALV (CAR X))
                                                         (SET (CAR X)
                                                              (OR (CADR X)
                                                                  BLTP1
                                       (FUNCTION CDDR)))
                           (HOST (OR HOST (SETQ HOST (\mathbf{if} VAL
                                                            then (SELCHARQ (CHCON1 VAL)
                                                                       (({ %[ %()
                                                                            (SUBSTRING VAL 2 (SELCHARQ (NTHCHARCODE
                                                                                                           VAL -1)
                                                                                                     (() %] %))
                                                                                                          -2)
                                                                                                    -1)))
                                                                       VAL)
                                                         else BLIP)))) (* DIRECTORY really is treated as {Host}device:<directory>)
                           (DIRECTORY
                                       [for x on (UNPACKFILENAME.STRING VAL NIL T) by (CDDR X)
                                          do (OR (EVALV (CAR X))
                                                   (SET (CAR X)
                                                        (OR (CADR X)
                                                            BLIP1)
                           ((DEVICE HOST NAME EXTENSION VERSION)
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(OR (EVALV VAR)
                                     (SET VAR (OR VAL BLIP))))
                           (\ILLEGAL.ARG VAR))
                      (SETQ I (ADD1 I))
                      (GO LP)))
                  (RETURN (CONCATLIST (NCONC (AND HOST (NEQ HOST BLIP)
                                                     (LIST "{" HOST "}"))
                                                [AND DEVICE (NEQ DEVICE BLIP)
                                                     (SELCHARQ (NTHCHARCODE DEVICE -1)
                                                           (: (LIST DEVICE))
                                                           (LIST DEVICE (QUOTE :]
                                                (AND DIRECTORY (NEQ DIRECTORY BLIP)
                                                     (PROGN (SETQ DIRECTORY (CONCAT DIRECTORY))

[for c from 1 to (NCHARS DIRECTORY)
                                                                do (COND
                                                                       ([FMEMB (NTHCHARCODE DIRECTORY C)
                                                                                (CONSTANT (LIST (CHARCODE %.]
                                                                        (RPLCHARCODE DIRECTORY C (CHARCODE >]
                                                             (LIST "<" DIRECTORY ">")))
                                                (AND NAME (NEO NAME BLIP)
                                                     (LIST NAME))
                                                     (OR (AND EXTENSION (NEQ EXTENSION BLIP))
                                                (AND
                                                          (AND VERSION (NEQ VERSION BLIP)))
                                                      (LIST (COND
                                                               ((AND EXTENSION (EQ (CHCON1 EXTENSION)
                                                                                      (CHARCODE %.)))
                                                                BLIP)
                                                               (T (QUOTE %.)))
                                                            (OR EXTENSION BLIP)))
                                                (AND VERSION (NEQ VERSION BLIP)
                                                     (COND
                                                         ((FIXP VERSION)
                                                          (LIST (QUOTE ;)
                                                                VERSION))
                                                         (T (SELCHARQ (CHCON1 VERSION)
                                                                  (; (LIST VERSION))
                                                                  ((%.!)
                                                                       (LIST (QUOTE ;)
                                                                              (SUBSTRING VERSION 2 -1)))
                                                                  (LIST (QUOTE ;)
                                                                        VERSION])
(REPACKFILENAME.STRING.LISPM
  [LAMBDA N
                                                                       (* ejs: "23-Feb-85 17:19")
           (* * Can you believe this???)
    (if (AND (EO N 1)
             (LISTP (ARG N 1)))
        then
                                                                       (* spread argument list)
              (APPLY (FUNCTION REPACKFILENAME.STRING.LISPM)
      (ARG N 1))
else (PROG ((BLIP "")
                  (I 1)
HOST DEVICE STRUCTURE DIRECTORY NAME EXTENSION VERSION PACKLIST VAR VAL TEMP)
                  (DECLARE (SPECVARS HOST DEVICE STRUCTURE DIRECTORY NAME EXTENSION VERSION))
             LΡ
                 (COND
                     ((NOT (IGREATERP I N))
                      (COND
                          ((LISTP (SETQ VAR (ARG N I)))
                           (SETQ VAL (CDR VAR))
(SETQ VAR (CAR VAR)))
                          ((NOT (IGREATERP (SETQ I (ADD1 I))
                                       N))
                           (SETQ VAL (ARG N I)))
                          (T (SETQ VAL)))
                      (OR
                          (STRINGP VAL)
                           (ATOM VAL)
                           (ERRORX (LIST 27 VAL)))
                                                                       (* fields must be atom)
                      (SELECTQ VAR
                           (BODY (MAP (UNPACKFILENAME.STRING (COND
                                                                    ((LISTP VAL)

(* PACKFILENAME.STRING for error checking of fields)
                                                                      (REPACKFILENAME.STRING.LISPM VAL))
                                                                    (T VAL)))
(* NIL => not yet seen, BLIP => seen as NIL.)
                                       [FUNCTION (LAMBDA (X)
                                                     (OR (EVALV (CAR X))
                                                         (SET (CAR X)
                                                               (OR (CADR X)
                                                                   BLIP]
                                       (FUNCTION CDDR)))
                           (HOST (OR HOST (SETQ HOST (if VAL
                                                            then (SELCHARQ (CHCON1 VAL)
                                                                       (({ %[ %()
                                                                             (SUBSTRING VAL 2 (SELCHARQ (NTHCHARCODE
                                                                                                            VAL -1)
```

(() %] %))

```
-2)
                                                                                                       -1)))
                                                                        VAL)
                                                           else BLIP))))
(* DIRECTORY really is treated as {Host}device:<directory>)
                            (DIRECTORY
                                        [for x on (UNPACKFILENAME.STRING VAL NIL T) by (CDDR X)
                                           do (OR (EVALV (CAR X))
                                                   (SET (CAR X)
                                                         (OR (CADR X)
                                                             BLIP])
                            ((DEVICE HOST NAME EXTENSION VERSION)
                                 (OR (EVALV VAR)
                                     (SET VAR (OR VAL BLIP))))
                            (\ILLEGAL.ARG VAR))
                       (SETQ I (ADD1 I))
                       (GO LP)))
                  (RETURN (CONCATLIST (NCONC (AND HOST (NEQ HOST BLIP) (LIST "{" HOST "}"))
                                                 [AND DEVICE (NEQ DEVICE BLIP)
                                                      (SELCHARQ (NTHCHARCODE DEVICE -1)
                                                            (: (LIST DEVICE))
                                                            (LIST DEVICE (QUOTE :]
                                                 (AND DIRECTORY (NEQ DIRECTORY BLIP)
                                                      (PROGN (SETQ DIRECTORY (CONCAT DIRECTORY))
[for c from 1 to (NCHARS DIRECTORY)
                                                                 \textbf{do} \hspace{0.1in} (\texttt{COND} \hspace{0.1in}
                                                                        ([FMEMB (NTHCHARCODE DIRECTORY C)
                                                                                 (CONSTANT (LIST (CHARCODE /)
                                                                                                    (CHARCODE %.]
                                                                         (RPLCHARCODE DIRECTORY C (CHARCODE >]
                                                              (LIST ">" DIRECTORY ">")))
                                                 (AND NAME (NEQ NAME BLIP)
                                                      (LIST NAME))
                                                      (OR (AND EXTENSION (NEQ EXTENSION BLIP))
                                                 (AND
                                                           (AND VERSION (NEQ VERSION BLIP)))
                                                       (LIST (COND
                                                                ((AND EXTENSION (EQ (CHCON1 EXTENSION)
                                                                                       (CHARCODE %.)))
                                                                 BLIP)
                                                                (T (QUOTE %.)))
                                                             (OR EXTENSION BLIP)))
                                                 (AND VERSION (NEQ VERSION BLIP)
                                                      (COND
                                                          ((FIXP VERSION)
                                                           (LIST (QUOTE %.)
                                                                 VERSION))
                                                          (T (SELCHARQ (CHCON1 VERSION)
                                                                   (; (LIST VERSION))
                                                                   ((%.!)
                                                                        (LIST (QUOTE %.)
                                                                               (SUBSTRING VERSION 2 -1)))
                                                                   (LIST (QUOTE %.)
                                                                         VERSION])
(REPACKFILENAME.STRING.TOPS20
                                                                        (* ejs: "23-Feb-85 17:20")
  [LAMBDA N
    (if (AND (EQ N 1)
             (LISTP (ARG N 1)))
        then
                                                                        (* spread argument list)
              (APPLY (FUNCTION REPACKFILENAME.STRING.TOPS20)
      (ARG N 1))
else (PROG ((BLIP "")
                   (I 1)
                   HOST DEVICE STRUCTURE DIRECTORY NAME EXTENSION VERSION TEMPORARY PROTECTION ACCOUNT PACKLIST
                   VAR VAL TEMP)
                  (DECLARE (SPECVARS HOST DEVICE STRUCTURE DIRECTORY NAME EXTENSION VERSION TEMPORARY PROTECTION
                                    ACCOUNT))
                  (COND
                     ((NOT (IGREATERP I N))
                       (COND
                          ((LISTP (SETQ VAR (ARG N I)))
                           (SETQ VAL (CDR VAR))
(SETQ VAR (CAR VAR)))
                          ((NOT (IGREATERP (SETQ I (ADD1 I))
                                        N))
                           (SETQ VAL (ARG N I)))
                          (T (SETO VAL)))
                       (OR (STRINGP VAL)
                           (ATOM VAL)
                           (ERRORX (LIST 27 VAL)))
                                                                        (* fields must be atom)
                       (SELECTO VAR
                            (BODY (MAP (UNPACKFILENAME.STRING (COND
                                                                     ((LISTP VAL)
                                                                         (* PACKFILENAME.STRING for error checking of fields)
                                                                       (REPACKFILENAME.STRING.TOPS20 VAL))
```

```
[FUNCTION (LAMBDA (X)
                                                   (OR (EVALV (CAR X))
                                                       (SET (CAR X)
                                                            (OR (CADR X)
                                      (FUNCTION CDDR)))
                          (HOST (OR HOST (SETQ HOST (if VAL
                                                          then (SELCHARQ (CHCON1 VAL)
                                                                     (({ %[ %()
                                                                          (SUBSTRING VAL 2 (SELCHARQ (NTHCHARCODE
                                                                                                        VAL -1)
                                                                                                  ((} %] %))
                                                                                                       -2)
                                                                                                  -1)))
                                                                    VAL)
                                                        else BLIP))))
(* DIRECTORY really is treated as {Host}device:<directory>)
                          (DIRECTORY
                                      [for x on (UNPACKFILENAME.STRING VAL NIL T) by (CDDR X)
                                         do (OR (EVALV (CAR X))
(SET (CAR X)
                                                      (OR (CADR X)
                                                          BLTP1)
                          ((DEVICE HOST NAME EXTENSION VERSION TEMPORARY)
                               (OR (EVALV VAR)
                          (SET VAR (OR VAL BLIP))))
(\ILLEGAL.ARG VAR))
                     (SETQ I (ADD1 I))
                     (GO LP)))
                 (SELECTQ TEMPORARY
                      ((T S ;S)
                                                                     (* hack for Interlisp-D!)
                           (OR HOST DEVICE (PROGN (SETQ HOST (QUOTE CORE))
                                                   (SETQ TEMPORARY))))
                 (RETURN (CONCATLIST (NCONC (AND HOST (NEQ HOST BLIP)
                                                   (LIST "{" HOST "}"))
                                              [AND DEVICE (NEQ DEVICE BLIP)
                                                   (SELCHARQ (NTHCHARCODE DEVICE -1)
                                                         (: (LIST DEVICE))
                                                         (LIST DEVICE (QUOTE :]
                                              (AND DIRECTORY (NEQ DIRECTORY BLIP)
                                                   (PROGN (SETQ DIRECTORY (CONCAT DIRECTORY))
[for C from 1 to (NCHARS DIRECTORY)
                                                              do (COND
                                                                    ([FMEMB (NTHCHARCODE DIRECTORY C)
                                                                             (CONSTANT (LIST (CHARCODE /)
                                                                                               (CHARCODE >]
                                                                     (RPLCHARCODE DIRECTORY C (CHARCODE %.]
                                                           (LIST "<" DIRECTORY ">")))
                                              (AND NAME (NEQ NAME BLIP)
                                                    (LIST NAME))
                                                   (OR (AND EXTENSION (NEQ EXTENSION BLIP))
                                              (AND
                                                        (AND VERSION (NEQ VERSION BLIP)))
                                                    (LIST (COND
                                                             ((AND EXTENSION (EQ (CHCON1 EXTENSION)
                                                                                  (CHARCODE %.)))
                                                             BLIP)
                                                             (T (QUOTE %.)))
                                                          (OR EXTENSION BLIP)))
                                              [AND VERSION (NEQ VERSION BLIP)
                                                    (COND
                                                       ((FIXP VERSION)
                                                        (LIST (QUOTE %.)
                                                              VERSION))
                                                       (T (SELCHARQ (CHCON1 VERSION)
                                                               (; (LIST VERSION))
                                                               ((%.!)
                                                                    (LIST (QUOTE %.)
                                                                           (SUBSTRING VERSION 2 -1)))
                                                               (LIST (QUOTE %.)
                                                                     VERSION]
                                              (AND TEMPORARY (NEQ TEMPORARY BLIP)
                                                   (LIST (QUOTE ;)
                                                          (SELECTQ TEMPORARY
                                                              ((S;S)
                                                                    (QUOTE S))
(REPACKFILENAME.STRING.UNIX
  [LAMBDA N
                                                                     (* ejs: "23-Feb-85 17:20")
    (if (AND (EQ N 1)
            (LISTP (ARG N 1)))
                                                                     (* spread argument list)
             (APPLY (FUNCTION REPACKFILENAME.STRING.UNIX)
     (ARG N 1))
else (PROG ((BLIP "")
```

```
HOST DEVICE STRUCTURE DIRECTORY NAME EXTENSION VERSION PACKLIST VAR VAL TEMP)
(DECLARE (SPECVARS HOST DEVICE STRUCTURE DIRECTORY NAME EXTENSION VERSION))
   ((NOT (IGREATERP I N))
    (COND
       ((LISTP (SETQ VAR (ARG N I)))
        (SETQ VAL (CDR VAR))
(SETQ VAR (CAR VAR)))
       ((NOT (IGREATERP (SETQ I (ADD1 I))
                     N))
        (SETQ VAL (ARG N I)))
       (T (SETO VAL)))
    (OR (STRINGP VAL)
        (ATOM VAL)
         (ERRORX (LIST 27 VAL)))
                                                    (* fields must be atom)
    (SELECTO VAR
         (BODY (MAP (UNPACKFILENAME.STRING (COND
                                                 ((LISTP VAL)
                                                    (* PACKFILENAME.STRING for error checking of fields)
                                                  (REPACKFILENAME.STRING.UNIX VAL))
                                                 (T VAL)))
(* NIL => not yet seen, BLIP => seen as NIL.)
                     [FUNCTION (LAMBDA (X)
                                  (OR (EVALV (CAR X))
                                      (SET (CAR X)
                                            (OR (CADR X)
                                                BLIP]
                     (FUNCTION CDDR)))
         (HOST (OR HOST (SETQ HOST (if VAL
                                         then (SELCHARQ (CHCON1 VAL)
                                                    (({ %[ %()
                                                         (SUBSTRING VAL 2 (SELCHARQ (NTHCHARCODE
                                                                                        VAL -1)
                                                                                  (() %] %))
                                                                                       -2)
                                                                                 -1)))
                                                    VAL)
                                       else BLIP))))

(* DIRECTORY really is treated as {Host}device:<directory>)
         (DIRECTORY
                     [for X on (UNPACKFILENAME.STRING VAL NIL T) by (CDDR X)
                        do (OR (EVALV (CAR X))
                                (SET (CAR X)
                                     (OR (CADR X)
                                         BLIP])
         ((DEVICE HOST NAME EXTENSION VERSION)
              (OR (EVALV VAR)
         (SET VAR (OR VAL BLIP))))
(\ILLEGAL.ARG VAR))
    (SETQ I (ADD1 I))
    (GO LP)))
(AND DEVICE (NEQ DEVICE BLIP)
(LIST "/" DEVICE))
                             (AND DIRECTORY (NEQ DIRECTORY BLIP)
                                  (PROGN (SETQ DIRECTORY (CONCAT DIRECTORY))

[for c from 1 to (NCHARS DIRECTORY)
                                             do (COND
                                                    ([FMEMB (NTHCHARCODE DIRECTORY C)
                                                             (CONSTANT (LIST (CHARCODE >)
                                                                              (CHARCODE %.]
                                                     (RPLCHARCODE DIRECTORY C (CHARCODE /]
                                          (LIST "/" DIRECTORY "/"))
                                   (LIST "/" DIRECTORY "/"))
                             (AND NAME (NEQ NAME BLIP)
                                   (LIST NAME))
                                  (OR (AND EXTENSION (NEQ EXTENSION BLIP))
                                       (AND VERSION (NEQ VERSION BLIP)))
                                   (LIST (COND
                                            ((OR (AND EXTENSION (EQ (CHCON1 EXTENSION)
                                                                       (CHARCODE %.)))
                                                  (OR (NULL EXTENSION)
                                                      (EQ EXTENSION BLIP)
                                                      (STREQUAL EXTENSION "")))
                                             BLIP)
                                            (T (QUOTE %.)))
                                         (OR EXTENSION BLIP)))
                             (AND VERSION (NEQ VERSION BLIP)
                                   (COND
                                      ((FIXP VERSION)
                                       (LIST (QUOTE ;)
                                             VERSION))
                                      (T (SELCHARQ (CHCON1 VERSION)
                                              (; (LIST VERSION))
                                               ((%.!)
                                                    (LIST (QUOTE ;)
                                                           (SUBSTRING VERSION 2 -1)))
```

(LIST (QUOTE ;) VERSION])) (RPAQQ FILENAMESCOMS [(FNS REPACKFILENAME.STRING REPACKFILENAME.STRING.D REPACKFILENAME.STRING.LISPM REPACKFILENAME.STRING.TOPS20 REPACKFILENAME.STRING.UNIX) (DECLARE: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVARS (ADDVARS (NLAMA) (NLAML) (LAMA REPACKFILENAME.STRING.UNIX REPACKFILENAME.STRING.TOPS20 REPACKFILENAME.STRING.LISPM REPACKFILENAME.STRING.D]) (DECLARE: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVARS (ADDTOVAR NLAMA) (ADDTOVAR **NLAML**) (ADDTOVAR LAMA REPACKFILENAME.STRING.UNIX REPACKFILENAME.STRING.TOPS20 REPACKFILENAME.STRING.LISPM REPACKFILENAME.STRING.D) (PUTPROPS **FILENAMES COPYRIGHT** ("Xerox Corporation" 1985))

{MEDLEY}spusers>FILENAMES.;1 28-Jun-2024 18:34:03 -- Listed on 30-Jun-2024 13:14:09 --

FUNCTION INDEX

REPACKFILENAME.STRING1	REPACKFILENAME.STRING.LISPM2	REPACKFILENAME.STRING.UNIX4
REPACKFILENAME.STRING.D1	REPACKFILENAME.STRING.TOPS203	