

File created: 23-Jul-2023 20:42:48 {WMEDLEY}<sources>FONTPROFILE.;4

edit by: rmk

changes to: (FNS FONTSET)

previous date: 13-Apr-2023 08:40:30 {WMEDLEY}<sources>FONTPROFILE.;3

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

(RPAQQ FONTPROFILECOMS

(:: FONT

(ALISTS (FONTDEFS HUGE BIG MEDIUM STANDARD BIGGER NS BIGGERNS LARGER))

(ADDVARS (CACHEDMENUS BreakMenu WindowMenu BackgroundMenu IconWindowMenu))

[VARS (FONTVARS ' (:: standard size fonts. Assumes only DEFAULTFONT set

(BOLDFONT (FONTCOPY DEFAULTFONT 'FACE 'BOLD))

; default BOLD

(ITALICFONT (FONTCOPY DEFAULTFONT 'FACE 'ITALIC))

(LITTLEFONT DEFAULTFONT)

; should usually be smaller

(TINYFONT LITTLEFONT)

; and this one smaller still

(BIGFONT BOLDFONT)

; should be bigger still

(TEXTFONT DEFAULTFONT)

; default for text

(TEXTBOLDFONT BOLDFONT)

; default for bold text

::

:: Fonts for window system, processes

::

(MENUFONT DEFAULTFONT T)

(BOLDMENUFONT (FONTCOPY MENUFONT 'FACE 'BOLD))

; if not supplied

(INTERRUPTMENUFONT DEFAULTFONT T)

; used by control-B

(DEFAULTICONFONT MENUFONT)

; for shrinking windows

(BACKTRACEFONT TINYFONT T)

; for backtrace in debugger

(WINDOWTITLEFONT MENUFONT)

((WINDOWTITLEFONT WINDOWTITLEFONT)

NIL)

; used for titles of all windows

::

:: Fonts for Exec

::

(PROMPTFONT LITTLEFONT)

; for printing out prompts

(INPUTFONT BOLDFONT)

; for user typein in Exec

(PRINTOUTFONT DEFAULTFONT)

; for intermediate typin in Exec

(TTYINBOLDFONT (CONS DEFAULTFONT BOLDFONT))

(VALUEFONT DEFAULTFONT)

; for printing out values returned in Exec

::

:: Fonts for prettyprinting

::

(COMMENTFONT LITTLEFONT)

; for comments

(PRETTYCOMFONT BOLDFONT)

; for words being defined

(CLISPFONT BOLDFONT)

; for keywords & CLISP

(SYSTEMFONT DEFAULTFONT)

; for "system" words(?)

(LAMBDAFONT BIGFONT)

; for words being defined

(USERFONT BOLDFONT)

; for "user" defined words

]

(P (MOVD? 'NIL 'WINDOWTITLEFONT))

(FNS FONTSET FONTPROFILE FONTPROFILE.ADDDEVICE)

(INITVARS (FONTESCAPECHAR (CHARACTER 6))

(FONTFNS)

```

(FONTWORDS))
[DECLARE%: DONTEVAL@LOAD DOCOPY (P (FONTSET 'STANDARD]
(GLOBALVARS FONTPROFILE FONTESCAPECHAR FONTDEFS)
(FNS FONTMAPARRAY)
(INITVARS (\FONTMAPCACHE))
(P (SETSEPR '(1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26)
1 FILERDTBL))))

```

:: FONT

(ADDTOVAR FONTDEFS

```

[HUGE (FONTPROFILE (DEFAULTFONT 1 (MODERN 24)
NIL
(TERMINAL 8)
(POSTSCRIPT (TERMINAL 8)))
(BOLDFONT 2 (MODERN 24 BRR)
NIL
(MODERN 8 BRR)
(POSTSCRIPT (MODERN 8 BRR)))
(LITTLEFONT 3 (MODERN 18 MRR)
NIL
(MODERN 8 MIR)
(POSTSCRIPT (MODERN 8 MIR)))
(BIGFONT 4 (MODERN 36 BRR)
NIL
(MODERN 10 BRR)
(POSTSCRIPT (MODERN 10 BRR)))
(TEXTFONT 5 (CLASSIC 24)
NIL
(CLASSIC 10)
(POSTSCRIPT (CLASSIC 10)))
(TEXTBOLDFONT 7 (CLASSIC 24 BRR)
NIL
(CLASSIC 10 BRR)
(POSTSCRIPT (CLASSIC 10 BRR]
[BIG (FONTPROFILE (DEFAULTFONT 1 (MODERN 18)
NIL
(TERMINAL 8)
(POSTSCRIPT (TERMINAL 8)))
(TEXTFONT 5 (CLASSIC 18)
NIL
(CLASSIC 10)
(POSTSCRIPT (CLASSIC 10)))
(BOLDFONT 2 (MODERN 18 BRR)
NIL
(MODERN 8 BRR)
(POSTSCRIPT (MODERN 8 BRR)))
(LITTLEFONT 3 (MODERN 12 MRR)
NIL
(MODERN 8 MIR)
(POSTSCRIPT (MODERN 8 MIR)))
(BIGFONT 4 (MODERN 24 BRR)
NIL
(MODERN 10 BRR)
(POSTSCRIPT (MODERN 10 BRR)))
(TEXTBOLDFONT 7 (CLASSIC 18 BRR)
NIL
(CLASSIC 10 BRR)
(POSTSCRIPT (CLASSIC 10 BRR]
[MEDIUM (FONTPROFILE (DEFAULTFONT 1 (MODERN 14)
(TERMINAL 8)
(TERMINAL 8)
(POSTSCRIPT (TERMINAL 8)))
(BOLDFONT 2 (MODERN 14 BRR)
NIL
(MODERN 8 BRR)
(POSTSCRIPT (MODERN 8 BRR)))
(LITTLEFONT 3 (MODERN 10)
NIL
(MODERN 8 MIR)
(POSTSCRIPT (MODERN 8 MIR)))
(BIGFONT 4 (MODERN 18)
NIL
(MODERN 10 BRR)
(POSTSCRIPT (MODERN 10 BRR)))
(TEXTFONT 5 (CLASSIC 14)
NIL
(CLASSIC 10)
(POSTSCRIPT (CLASSIC 10)))
(TEXTBOLDFONT 7 (CLASSIC 14 BRR)
NIL
(CLASSIC 10 BRR)
(POSTSCRIPT (CLASSIC 10 BRR]
[STANDARD (FONTCHANGEFLG . ALL)
(FILELINELENGTH . 102)
(FONTPROFILE (DEFAULTFONT 1 (GACHA 10)
(GACHA 8)

```

```

        (TERMINAL 8)
        (POSTSCRIPT (TERMINAL 8)))
(ITALICFONT 1 (HELVETICA 10 MIR)
  (GACHA 8 MIR)
  (MODERN 8 MIR)
  (POSTSCRIPT (MODERN 8 MIR)))
(BOLDFONT 2 (HELVETICA 10 BRR)
  (HELVETICA 8 BRR)
  (MODERN 8 BRR)
  (POSTSCRIPT (MODERN 8 BRR)))
(LITTLEFONT 3 (HELVETICA 8)
  (HELVETICA 6 MIR)
  (MODERN 8 MIR)
  (POSTSCRIPT (MODERN 8 MIR)))
(TINYFONT 6 (GACHA 8)
  (GACHA 6)
  (TERMINAL 6)
  (POSTSCRIPT (TERMINAL 6)))
(BIGFONT 4 (HELVETICA 12 BRR)
  NIL
  (MODERN 10 BRR)
  (POSTSCRIPT (MODERN 10 BRR)))
(MENUFONT 5 (HELVETICA 10)
  (HELVETICA 10)
  (HELVETICA 10)
  (POSTSCRIPT (HELVETICA 10)))
(COMMENTFONT 6 (HELVETICA 10)
  (HELVETICA 8)
  (MODERN 8)
  (POSTSCRIPT (MODERN 8)))
(TEXTFONT 7 (TIMESROMAN 10)
  (TIMESROMAN 10)
  (CLASSIC 10)
  (POSTSCRIPT (CLASSIC 10]
[BIGGER (FONTPROFILE (DEFAULTFONT 1 (GACHA 12)
  (TERMINAL 8)
  (TERMINAL 8)
  (POSTSCRIPT (TERMINAL 8)))
(ITALICFONT 1 (HELVETICA 12 MIR)
  (GACHA 8 MIR)
  (MODERN 8 MIR)
  (POSTSCRIPT (MODERN 8 MIR)))
(BOLDFONT 2 (HELVETICA 12 BRR)
  (HELVETICA 8 BRR)
  (MODERN 8 BRR)
  (POSTSCRIPT (MODERN 8 BRR)))
(LITTLEFONT 3 (HELVETICA 10)
  (HELVETICA 6 MIR)
  (MODERN 8 MIR)
  (POSTSCRIPT (MODERN 8 MIR)))
(TINYFONT 6 (GACHA 10)
  (GACHA 6)
  (TERMINAL 6)
  (POSTSCRIPT (TERMINAL 6)))
(BIGFONT 4 (HELVETICA 14 BRR)
  (MODERN 10 BRR)
  (MODERN 10 BRR)
  (POSTSCRIPT (MODERN 10 BRR)))
(MENUFONT 5 (HELVETICA 12)
  (HELVETICA 12)
  (HELVETICA 12)
  (POSTSCRIPT (HELVETICA 12)))
(COMMENTFONT 6 (HELVETICA 12)
  (HELVETICA 8)
  (MODERN 8)
  (POSTSCRIPT (MODERN 8)))
(TEXTFONT 7 (TIMESROMAN 12)
  (TIMESROMAN 12)
  (CLASSIC 10)
  (POSTSCRIPT (CLASSIC 10]
[NS (FONTCHANGEFLG . ALL)
(FILELINELENGTH . 102)
(COMMENTLINELENGTH 116 . 126)
(FIRSTCOL . 60)
(PRETTYLCOM . 25)
(FONTESCAPECHAR . %Ã)
(FONTPROFILE (DEFAULTFONT 1 (TERMINAL 10)
  (TERMINAL 8)
  (TERMINAL 8)
  (POSTSCRIPT (TERMINAL 8)))
(ITALICFONT 1 (MODERN 10 BIR)
  (MODERN 8 BIR)
  (MODERN 8 BIR)
  (POSTSCRIPT (MODERN 8 BIR)))
(BOLDFONT 2 (MODERN 10 BRR)
  (MODERN 8 BRR)
  (MODERN 8 BRR)

```

```

      (POSTSCRIPT (MODERN 8 BRR)))
(LITTLEFONT 3 (MODERN 8)
  (MODERN 6 MIR)
  (MODERN 8 MIR)
  (POSTSCRIPT (MODERN 8 MIR)))
(BIGFONT 4 (MODERN 12 BRR)
  (MODERN 10 BRR)
  (MODERN 10 BRR)
  (POSTSCRIPT (MODERN 10 BRR)))
(MENUFONT 5 (MODERN 10)
  (MODERN 10)
  (MODERN 10)
  (POSTSCRIPT (MODERN 10)))
(COMMENTFONT 6 (MODERN 8)
  (MODERN 6 MIR)
  (MODERN 8 MIR)
  (POSTSCRIPT (MODERN 8 MIR)
[BIGGERNS (FONTCHANGEFLG . ALL)
  (FILELINELENGTH . 102)
  (COMMENTLINELENGTH 116 . 126)
  (FIRSTCOL . 60)
  (PRETTYLCOM . 25)
  (FONTESCAPECHAR . %Å)
  (FONTPROFILE (DEFAULTFONT 1 (TERMINAL 12)
    (TERMINAL 8)
    (TERMINAL 8)
    (POSTSCRIPT (TERMINAL 8))))
  (ITALICFONT 1 (MODERN 12 BIR)
    (MODERN 8 BIR)
    (MODERN 8 BIR)
    (POSTSCRIPT (MODERN 8 BIR)))
  (BOLDFONT 2 (MODERN 12 BRR)
    (MODERN 8 BRR)
    (MODERN 8 BRR)
    (POSTSCRIPT (MODERN 8 BRR)))
  (LITTLEFONT 3 (MODERN 10)
    (MODERN 6 MIR)
    (MODERN 8 MIR)
    (POSTSCRIPT (MODERN 8 MIR)))
  (BIGFONT 4 (MODERN 14 BRR)
    (MODERN 10 BRR)
    (MODERN 10 BRR)
    (POSTSCRIPT (MODERN 10 BRR)))
  (MENUFONT 5 (MODERN 12)
    (MODERN 12)
    (MODERN 12)
    (POSTSCRIPT (MODERN 12)))
  (COMMENTFONT 6 (MODERN 10)
    (MODERN 8 MIR)
    (MODERN 10 MIR)
    (POSTSCRIPT (MODERN 10 MIR)
[LARGER (FONTCHANGEFLG . ALL)
  (FILELINELENGTH . 102)
  (FONTPROFILE (DEFAULTFONT 1 (GACHA 12)
    (GACHA 8)
    (TERMINAL 8)
    (POSTSCRIPT (TERMINAL 8))))
  (ITALICFONT 1 (HELVETICA 14 MIR)
    (GACHA 8 MIR)
    (MODERN 8 MIR)
    (POSTSCRIPT (MODERN 8 MIR)))
  (BOLDFONT 2 (HELVETICA 14 BRR)
    (HELVETICA 8 BRR)
    (MODERN 8 BRR)
    (POSTSCRIPT (MODERN 8 BRR)))
  (LITTLEFONT 3 (HELVETICA 12)
    (HELVETICA 6 MIR)
    (MODERN 8 MIR)
    (POSTSCRIPT (MODERN 8 MIR)))
  (TINYFONT 6 (GACHA 10)
    (GACHA 6)
    (TERMINAL 6)
    (POSTSCRIPT (TERMINAL 6)))
  (BIGFONT 4 (HELVETICA 16 BRR)
    (HELVETICA 12 BRR)
    (MODERN 10 BRR)
    (POSTSCRIPT (MODERN 10 BRR)))
  (MENUFONT 5 (HELVETICA 12)
    (HELVETICA 12)
    (HELVETICA 12)
    (POSTSCRIPT (HELVETICA 12)))
  (COMMENTFONT 6 (HELVETICA 10)
    (HELVETICA 8)
    (MODERN 8)
    (POSTSCRIPT (MODERN 8)))
  (TEXTFONT 7 (TIMESROMAN 12)
    (TIMESROMAN 10)

```

(CLASSIC 10)
(POSTSCRIPT (CLASSIC 10])

(ADDTOVAR CACHEDMENUS BreakMenu WindowMenu BackgroundMenu IconWindowMenu)

(RPAQQ FONTVARS

:: standard size fonts. Assumes only DEFAULTFONT set

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:: Fonts for window system, processes

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; for shrinking windows

(BACKTRACEFONT TINYFONT T)

; for backtrace in debugger

(WINDOWTITLEFONT MENUFONT)
((WINDOWTITLEFONT WINDOWTITLEFONT)
NIL)

; used for titles of all windows

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:: Fonts for Exec

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; for user typein in Exec

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; for printing out values returned in Exec

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:: Fonts for prettyprinting

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; for words being defined

(CLISPFONT BOLDFONT)

; for keywords & CLISP

(SYSTEMFONT DEFAULTFONT)

; for "system" words(?)

(LAMBDAFONT BIGFONT)

; for words being defined

(USERFONT BOLDFONT)

; for "user" defined words

))

(MOVD? 'NIL 'WINDOWTITLEFONT)

(DEFINEQ

(FONTSET

[LAMBDA (NAME CHANGE-WINDOWS?)

; Edited 23-Jul-2023 20:42 by rmk
; Edited 23-Jun-88 10:46 by jds

(DECLARE (SPECVARS NAME))

(COND

[NAME (LET [(TEM (FASSOC NAME FONTDEFS))
(OLDDEFAULT (FONTCREATE DEFAULTFONT NIL NIL NIL 'DISPLAY)
(OR TEM (ERROR NAME "not a defined font configuration"))

:: Looks up NAME on FONTSLSST and sets appropriate parameters. entries are added to fontslst by FONTNAME.

(for X in FONTVARS when (AND (CL:SYMBOLP (CAR X))

```

                                (NEQ (CAR X)
                                '*)
                                (NEQ (CAR X)
                                (CADR X)))
  do (SETTOPVAL (CAR X))
[MAPC (CDR TEM)
  (FUNCTION (LAMBDA (X)
    (/SETTOPVAL (CAR X)
    (CDR X)
[PROG (BASICCLASSES)
  (for X in FONTPROFILE
    do (PROG (SEEN (NAME (CAR X))
      (FONTS X))
      LP [COND
        ((MEMB (CAR FONTS)
        SEEN)
        (ERROR "Circular font profile specification" X))
        (T (push SEEN (CAR FONTS))
        [SETQ FONTS (CDR (COND
          ((OR (NULL (CADR FONTS))
            (LISTP (CADR FONTS)))
            (*))
          ; This skips over the now-defunct NIL or list-of-escape sequence
          (CDR FONTS))
          (T FONTS]
        (COND
          ((OR (NLISTP FONTS)
            (LITATOM (CAR FONTS)))
          ; Indirect thru another's font spec
          (AND (SETQ FONTS (ASSOC (SELECTQ (CAR (LISTP FONTS))
            (NIL DEFAULTFONT)
            ; Don't let DEFAULTFONT loop thru itself
            (AND (NOT (MEMB 'DEFAULTFONT SEEN))
            'DEFAULTFONT))
            (CAR FONTS))
            FONTPROFILE))
          (GO LP)))
        (T [push BASICCLASSES (SETQ FONTS (FONTCLASS NAME FONTS 'DISPLAY]
          ; Now we have a font class datastructure
          ))
        (AND NAME (/SETTOPVAL NAME FONTS))
        ;; NIL for the class-name means just establish the font-correspondences but don't connect them up with a
        ;; pretty class name.
        ))
      (AND BASICCLASSES (FONTMAPARRAY BASICCLASSES 'DISPLAY]
[for X in FONTVARS when (NEQ (CAR X)
  '*)
  do (COND
    ((LISTP (CAR X))
    (EVAL (CAR X)))
    [(CADDR X)
    (SET (CAR X)
      (FONTCREATE (OR (GETTOPVAL (CAR X))
        (EVAL (CADR X))
        DEFAULTFONT)
        NIL NIL NIL 'DISPLAY]
    (T (OR (GETTOPVAL (CAR X))
      (AND (CADR X)
      (SET (CAR X)
        (EVAL (CADR X)
[CL:WHEN CHANGE-WINDOWS?
  (CL:WHEN (NEQ OLDDEFAULT (FONTCREATE DEFAULTFONT NIL NIL NIL 'DISPLAY))
    (for x in (OPENWINDOWS) when (EQ OLDDEFAULT (DSPFONT NIL X))
      do (DSPFONT DEFAULTFONT X))
    (DSPFONT WINDOWTITLEFONT WindowTitleDisplayStream)
    (SETQ MaxValueLeftMargin (ITIMES 35 (STRINGWIDTH 'A DEFAULTFONT)))
    (MAPC CACHEDMENUS 'SET)
    [for w in (OPENWINDOWS) do [COND
      [(OR (EQ (WINDOWPROP W 'RESHAPEFN)
        'DONT)
        (WINDOWPROP W 'MAINWINDOW)
        (T ;; don't reshape if can't or if this window is attached to another.
        (SHAPEW W (WINDOWREGION W)
        (COND
          ((AND (NEQ (WINDOWPROP W 'WINDOWENTRYFN)
            (FUNCTION \TEDIT.PROCIDLEFN))
            (WINDOWPROP W 'REPAINTFN))
            (REDISPLAYW W))
        ;; Set the new font profile name, and return the old one, so he can restore later.
        (PROG1 FONTNAME (SETQ FONTNAME NAME)
(T
  FONTNAME]) ; He passed in NIL, so return font profile name in effect.

```

(FONTPROFILE

(* Imm "10-Sep-86 12:33")

```

[LAMBDA (PROFILE)
  [PROG (BASICCLASSES)
    (for X in PROFILE do (PROG (SEEN (NAME (CAR X))
                                (FONTS X))
      LP [COND
        ((MEMB (CAR FONTS)
              SEEN)
          (ERROR "Circular font profile specification" X))
        (T (push SEEN (CAR FONTS))
          [SETQ FONTS (CDR (COND
            ((OR (NULL (CADR FONTS))
                 (LISTP (CADR FONTS)))
              ; This skips over the now-defunct NIL or list-of-escape sequence
              (CDR FONTS))
            (T FONTS]
          (COND
            ((OR (NLISTP FONTS)
                 (LITATOM (CAR FONTS)))
              (* Indirect thru another's font spec)
              (AND (SETQ FONTS (ASSOC (SELECTQ (CAR (LISTP FONTS))
                                              ((NIL DEFAULTFONT)
                                               (* Don't let DEFAULTFONT loop thru itself)
                                               (AND (NOT (MEMB 'DEFAULTFONT SEEN))
                                                    'DEFAULTFONT))
                                              (CAR FONTS))
                  PROFILE))
                (GO LP)))
            (T [push BASICCLASSES (SETQ FONTS (FONTCLASS NAME FONTS 'DISPLAY)
                                      (* Now we have a font class datastructure)
                                      ))
              (AND NAME (/SETATOMVAL NAME FONTS))
            )
          )
        )
      ]
    (AND BASICCLASSES (FONTMAPARRAY BASICCLASSES 'DISPLAY]
  ]))

```

(* NIL for the class-name means just establish the font-correspondences but don't connect them up with a pretty class name.)

(FONTPROFILE.ADDDEVICE

; Edited 3-Mar-93 14:46 by rmk:

:: Fills in all fontprofile specifications so that an entry for NEWDEVICE is present for each fontclass. Nothing is changed if the entry is already ; there, otherwise the specification for the class currently provided for OLDDEVICE will be used for NEWDEVICE.

```

(DECLARE (USEDFREE FONTDEFS FONTNAME))
(SETQ NEWDEVICE (U-CASE NEWDEVICE))
(SETQ OLDDEVICE (U-CASE OLDDEVICE))
[FOR FD IN FONTDEFS
  DO (FOR FC OLDSPEC IN (CDR (ASSOC 'FONTPROFILE (CDR FD))) UNLESS (LITATOM (CADR FC))
    DO (SETQ FC (CDR FC)) ; Skip over name
      (CL:WHEN [SETQ OLDSPEC (SELECTQ OLDDEVICE
        (DISPLAY (CADR FC))
        (INTERPRESS (CADDR FC))
        (PRESS (CADDR FC))
        (CADR (ASSOC OLDDEVICE (CDDDDR FC))
          [SETQ FC (OR (CDR FC)
                    (CDR (RPLACD FC (CONS)
                                ; Fill in NIL's for missing DISPLAY, PRESS, or INTERPRESS
                                [SELECTQ NEWDEVICE
              (DISPLAY (OR (CAR FC)
                          (RPLACA FC OLDSPEC)))
              (INTERPRESS (OR (CADDR FC)
                             (RPLACA [PROGN [SETQ FC (OR (CDR FC)
                                                         (CDR (RPLACD FC (CONS)
                                                                    (OR (CDR FC)
                                                                    (CDR (RPLACD FC (CONS)
                                                                    OLDSPEC)))
                             (PRESS (OR (CADDR FC)
                                         (RPLACA [OR (CDR FC)
                                                    (CDR (RPLACD FC (CONS)
                                                                OLDSPEC)))
                                         (OR (CADR (ASSOC NEWDEVICE (CDDDDR FC)))
                                              (PROGN (PROGN [SETQ FC (OR (CDR FC)
                                                                    (CDR (RPLACD FC (CONS)
                                                                    [SETQ FC (OR (CDR FC)
                                                                    (CDR (RPLACD FC (CONS)
                                                                    (PUSH (CDR FC)
                                                                    (LIST NEWDEVICE OLDSPEC))]]
          (FONTSET FONTNAME)]
        )
      ]
    )
  ]
  (RPAQ? FONTESCAPECHAR (CHARACTER 6) )
  (RPAQ? FONTFNS )

```

(RPAQ? **FONTWORDS**)

(DECLARE%: DONTEVAL@LOAD DOCOPY

(**FONTSET** 'STANDARD)
)

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS FONTPROFILE FONTESCAPECHAR FONTDEFS)
)

(DEFINEQ

(**FONTMAPARRAY**

[LAMBDA (FONTCLASSES)

(* lmm "28-Sep-86 14:23")

;; Makes a font array from a font-mapping list of fontclasses. The array provides a fast map from font# to font classes/descriptors. This function
;; caches the last array. If IMAGETYPES is given, then the FD's are pre-computed for the imagetypes it. Otherwise, the first use of the fontclass
;; for that imagetype would cause the fontcreate to be done.

(PROG (FA (MAXFONT 0)
(MINFONT 100))

[COND
((NULL \FONTMAPCACHE))
((OR (NULL FONTCLASSES)
(EQUAL FONTCLASSES (CAR \FONTMAPCACHE)))
(RETURN (CDR \FONTMAPCACHE)

[for F PRETTYFONT# in FONTCLASSES do (SETQ PRETTYFONT# (**fetch** (FONTCLASS PRETTYFONT#) of F))
(COND
((IGREATERP PRETTYFONT# MAXFONT)
(SETQ MAXFONT PRETTYFONT#))
(COND
((ILESSP PRETTYFONT# 1)
(ERROR "Invalid font number" PRETTYFONT# F))
((ILESSP PRETTYFONT# MINFONT)
(SETQ MINFONT PRETTYFONT#]

(SETQ FA (ARRAY MAXFONT))
(for F in FONTCLASSES do (SETA FA (**fetch** (FONTCLASS PRETTYFONT#) of F)
F))
(for I from 1 to MAXFONT unless (ELT FA I) do (SETA FA I (ELT FA MINFONT)))
(SETQ \FONTMAPCACHE (CONS (COPY FONTCLASSES)
FA))
(RETURN FA])

)

(RPAQ? **FONTMAPCACHE**)

(SETSEPR '(1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26)
1 FILERDTBL)

FUNCTION INDEX

FONTMAPARRAY8 FONTPROFILE7 FONTPROFILE.ADDDEVICE ...7 FONTSET5

VARIABLE INDEX

CACHEDMENUS5 FONTESCAPECHAR7 FONTVARS5 \FONTMAPCACHE8
FONTDEFS2 FONTFNS7 FONTWORDS8
