

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 . %Ã)
(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

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; for backtrace in debugger

(WINDOWTITLEFONT MENUFONT)
((WINDOWTITLEFONT WINDOWTITLEFONT)
NIL)

; used for titles of all windows

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; for intermediate typin in Exec

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; for printing out values returned in Exec

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; for words being defined

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; 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 FONTSLSLST 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)
          ; He passed in NIL, so return font profile name in effect.
          (T
            FONTNAME]))

```

(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))
            (* 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]
    T])

```

(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)

(* Imm "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

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