

File created: 10-Apr-2024 09:49:11 {WMEDLEY}<lispusers>NSDISPLAYSIZES.5

edit by: rmk

changes to: (FNS NSDISPLAYSIZE)

previous date: 8-Apr-2024 11:48:01 {WMEDLEY}<lispusers>NSDISPLAYSIZES.;4

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

## (RPAQQ NSDISPLAYSIZESCOMS

```
[ (FNS NSDISPLAYSIZE NS\FONTFILENAME NS\FONTFILENAME.OLD PURGENSFONTS)
  (ADDVARS (NSFONTFAMILIES CLASSIC MODERN TERMINAL OPTIMA TITAN))
  (INITVARS (*SMALLSCREEN* (ILESSP SCREENWIDTH 700)))
  [COMS ; VirtualKeyboard font needs adjusting so that real Classic 12 still
        ; appears
```

```
    (FNS VKBD.FIX.FONT)
    (DECLARE%: EVAL@COMPILE DONTCOPY (P (OR (RECLOOK 'KEYBOARDCONFIGURATION)
      (LOADDEF 'KEYBOARDCONFIGURATION 'RECORDS
        'VIRTUALKEYBOARDS]
```

```
(DECLARE%: DONTVAL@LOAD DOCOPY (P (MOVD? '\FONTFILENAME 'OLD\FONTFILENAME)
  (MOVD 'NS\FONTFILENAME '\FONTFILENAME)
  (MOVD? '\FONTFILENAME.OLD 'OLD\FONTFILENAME.OLD)
  (MOVD 'NS\FONTFILENAME.OLD '\FONTFILENAME.OLD)
  (PURGENSFONTS)
  (VKBD.FIX.FONT]))
```

(DEFINEQ

## (NSDISPLAYSIZE

[LAMBDA (FAMILY SIZE FACE EXTENSION)

; Edited 10-Apr-2024 09:48 by rmk  
; Edited 8-Apr-2024 11:47 by rmk  
; Edited 26-Dec-2023 21:15 by rmk  
; Edited 24-Dec-2023 13:49 by rmk  
; Edited 14-Sep-96 09:32 by rmk:  
; Edited 16-Nov-95 10:08 by  
; Edited 5-Mar-93 18:12 by kaplan  
; Edited 15-Jan-87 15:22 by bvm:

:: What we really want for small NS font sizes (12 or below) is the next larger existing font, not a built-in knowledge here of what exists.

:: Returns size that we would prefer to see the font of requested family, size, face, extension. Used to make bigger ns display fonts than you would get by default. Don't do it for small screens, as on DOS and laptops.

```
(if (NOT (FIXP SIZE))
  then ; Could be *
    SIZE
  elseif (AND (CL:MEMBER EXTENSION DISPLAYFONTEXTENSIONS :TEST 'STRING-EQUAL)
    (COND
      (*SMALLSCREEN* (CL:UNLESS (CL:MEMBER FAMILY NSFONTFAMILIES :TEST 'STRING-EQUAL)
        ; Small screen, shrink non-NS fonts
        (SELECTQ SIZE
          (12 10)
          (10 8)
          (8 6)
          NIL)))
      ((CL:MEMBER FAMILY NSFONTFAMILIES :TEST 'STRING-EQUAL)
        ; Large screen, enlarge NS fonts
        (SELECTQ (U-CASE (MKATOM FAMILY))
          (TERMINAL (CL:IF (ILEQ SIZE 10)
            (IPLUS SIZE 2)
            SIZE))
          (TITAN (SELECTQ SIZE
            (6 9)
            (9 10)
            (10 12)
            (CL:IF (ILESSP SIZE 6)
              6
              SIZE)))
          (CL:IF (ILEQ SIZE 12)
            (IPLUS SIZE 2)
            SIZE)))
      ((AND NIL (CL:MEMBER EXTENSION INTERPRESSFONTEXTENSIONS :TEST 'STRING-EQUAL)
        (STRING-EQUAL FAMILY 'SYMBOL))
        ; Fake NS size on Interpress printing, even tho display fonts
        ; don't exist
        10)))
  else SIZE])
```

## (NS\FONTFILENAME

[LAMBDA (FAMILY SIZE FACE EXTENSION CHARACTERSET)
 (OLD\FONTFILENAME FAMILY (NSDISPLAYSIZE FAMILY SIZE FACE EXTENSION)
 FACE EXTENSION CHARACTERSET)])

; Edited 15-Jan-87 15:23 by bvm:

**(NS\FONTFILENAME.OLD**

```
[LAMBDA (FAMILY SIZE FACE EXTENSION CHARACTERSET)
  (OLD\FONTFILENAME.OLD FAMILY (NSDISPLAYSIZE FAMILY SIZE FACE EXTENSION)
    FACE EXTENSION CHARACTERSET)]
```

; Edited 15-Jan-87 15:29 by bvm:

**(PURGENSFONTS**

```
[LAMBDA (TYPES)
```

; Edited 14-Sep-96 09:27 by rmk:

; Edited 14-Dec-87 14:53 by bvm:

```
(/SETTOPVAL
'\FONTSINCORE
(FOR ENTRY IN \FONTSINCORE BIND BADTYPES TMP
  COLLECT
    (SETQ BADTYPES (IF (AND (MEMB (CAR ENTRY)
                               NSFONTFAMILIES)
                          (OR (NULL TYPES)
                              (EQMEMB 'NS TYPES))))
      THEN (CONS 'DISPLAY TYPES)
      ELSE (MKLIST TYPES)))
  (CONS (CAR ENTRY)
    (FOR SIZES IN (CDR ENTRY)
      WHEN [SETQ TMP (IF (AND (NULL TYPES)
                              (> (CAR SIZES)
                                12))
        THEN
          (CDR SIZES)
        ELSE (FOR FACE IN (CDR SIZES)
          WHEN (SETQ TMP (FOR ROT IN (CDR FACE)
            WHEN (SETQ TMP (FOR DEV
              IN (CDR ROT) COLLECT DEV
                UNLESS (MEMB (CAR DEV)
                            BADTYPES)))
            COLLECT (CONS (CAR ROT)
                          TMP)))
          COLLECT (CONS (CAR FACE)
                        TMP])
      COLLECT (CONS (CAR SIZES)
                    TMP])
    )
  )
(ADDTOTVAR NSFONTFAMILIES CLASSIC MODERN TERMINAL OPTIMA TITAN)
(RPAQ? *SMALLSCREEN* (ILESSP SCREENWIDTH 700))
```

; Only have to get rid of sizes smaller than 14

;; VirtualKeyboard font needs adjusting so that real Classic 12 still appears

(DEFINEQ

**(VKBD.FIX.FONT**

```
[LAMBDA (NEWFONT)
```

; Edited 9-Mar-93 14:03 by rmk:

; Edited 1-Jul-88 16:55 by bvm

```
;; Change the VirtualKeyboard's configuration definitions to use NEWFONT (default Classic 10). The original font is Classic 12, but with
;; NSDISPLAYSIZES loaded, that coerces to Classic 14, so we have to fool it by setting it back a notch.
```

```
[SETQ DEFAULTKEYBOARDDISPLAYFONT (OR NEWFONT (SETQ NEWFONT ' (CLASSIC 10]
(for X in (LISTP (EVALV 'VKBD.CONFIGURATIONS)) do (replace (KEYBOARDCONFIGURATION KEYBOARDDISPLAYFONT)
  of X with DEFAULTKEYBOARDDISPLAYFONT)])
```

)

(DECLARE%: EVAL@COMPILE DONTCOPY

```
(OR (RECLOOK 'KEYBOARDCONFIGURATION)
  (LOADDEF 'KEYBOARDCONFIGURATION 'RECORDS 'VIRTUALKEYBOARDS))
)
```

(DECLARE%: DONTEVAL@LOAD DOCOPY

(MOVD? '\FONTFILENAME 'OLD\FONTFILENAME)

(MOVD 'NS\FONTFILENAME '\FONTFILENAME)

(MOVD? '\FONTFILENAME.OLD 'OLD\FONTFILENAME.OLD)

(MOVD 'NS\FONTFILENAME.OLD '\FONTFILENAME.OLD)

**(PURGENSFONTS)****(VKBD.FIX.FONT)**

)

---

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