

File created: 4-Mar-2024 16:23:18 {WMEDLEY}<lispusers>tmax>TMAX.;10

edit by: rmk

changes to: (FNS TSP.LIST.OF.OBJECTS)

previous date: 19-Jul-2023 09:14:13 {WMEDLEY}<lispusers>tmax>TMAX.;9

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

(RPAQQ TMAXCOMS

```
(
; Developed under support from NIH grant RR-00785.
; Written by Frank Gilmurray and Sami Shaio.

(FILE (COMPILED SYSLOAD)
      TEDIT FREEMENU)
(VARS TMAX.FILE.LIST)
(DECLARE%: DONTCOPY (P (DOFILESLOAD (LIST* '(SOURCE)
                                           TMAX.FILE.LIST)))
                    (DECLARE%: EVAL@COMPILE (FILES (FROM LOADUPS)
                                                    EXPORTS.ALL)))
(P (DOFILESLOAD TMAX.FILE.LIST))
```

;;; Free Menu data structures

```
(VARS TSP.FM.DESC IMAGEOBJ.MENU.ITEMS)
```

;;; Free Menu functions

```
(FNS TSP.DISPLAY.FMMENU TSP.SETUP.FILENAMES TSP.SETUP.FMMENU TSP.FMMENU TSP.FM.APPLY UPDATE.ALL
      DOWNDATE.ALL TSP.FUNCTION.HOOKS TSP.GETFN TSP.PUTFN)
```

;;; Free Menu toggle functions

```
(FNS AutoUpdate.TOGGLE UPDATE? NGROUP.Menu.TOGGLE NGROUPMENU.ENABLED? NGROUP.Text-Before.TOGGLE
      TEXTBEFORE.ENABLED? NGROUP.Text-After.TOGGLE TEXTAFTER.ENABLED? Manual.Index.TOGGLE
      MANUALINDEX.ENABLED?)
```

;;; TSP font stuff

```
(FNS GET.TSP.FONT GET.TSP.FONT.FAMILY GET.TSP.FONT.SIZE GET.TSP.FONT.FACE ABBREVIATE.FONT TMAX.SHADEOBJ)
```

;;; Collect ImageObjects

```
(FNS TSP.LIST.OF.OBJECTS)
(GLOBALVARS GP.DefaultFont GP.DefaultShade)
(VARS (GP.DefaultFont (FONTCREATE 'TERMINAL 10))
      (GP.DefaultShade 1024))
(P [TEDIT.ADD.MENUITEM TEDIT.DEFAULT.MENU '(TMAX% Menu (FUNCTION TSP.DISPLAY.FMMENU)
                                                         NIL
                                                         (SUBITEMS (Update [FUNCTION (LAMBDA
                                                                 (TEXTSTREAM)
                                                                 (UPDATE.ALL TEXTSTREAM
                                                                 (\TEDIT.MAINW
                                                                 TEXTSTREAM]
                                                                 "Updates all cross-references")
(NGroup% Menu [FUNCTION (LAMBDA
                                                                 (TEXTSTREAM)
                                                                 (GRAPHMENU
                                                                 TEXTSTREAM
                                                                 (\TEDIT.MAINW
                                                                 TEXTSTREAM]
                                                                 "Displays number-group menu"]
                                                         (TSP.FUNCTION.HOOKS)))]
```

;; Developed under support from NIH grant RR-00785.

;; Written by Frank Gilmurray and Sami Shaio.

```
(FILESLOAD (COMPILED SYSLOAD)
            TEDIT FREEMENU)
```

```
(RPAQQ TMAX.FILE.LIST (TMAX-DATE TMAX-ENDNOTE TMAX-INDEX TMAX-NUMBER TMAX-NGRAPH TMAX-NGROUP TMAX-XREF))
```

```
(DECLARE%: DONTCOPY
```

```
(DOFILESLOAD (LIST* '(SOURCE)
                    TMAX.FILE.LIST))
```

```
(DECLARE%: EVAL@COMPILE
```

```
(FILESLOAD (FROM LOADUPS)
  EXPORTS.ALL)
)
)
```

```
(DOFILESLOAD TMAX.FILE.LIST)
```

```
;;; Free Menu data structures
```

```
(RPAQQ TSP.FM.DESC
```

```
[ (PROPS FORMAT TABLE TYPE MOMENTARY FONT (HELVETICA 10 BRR))
  ((LABEL "Miscellany:" TYPE DISPLAY FONT (NIL NIL MRR))
   (LABEL "Update" ID UPDATE SELECTEDFN TSP.FM.APPLY)
   (LABEL "Undo Update" ID UNDOUPDATE SELECTEDFN TSP.FM.APPLY)
   (LABEL "Set AutoUpdate" TYPE TOGGLE SELECTEDFN AutoUpdate.TOGGLE FONT (NIL NIL BIR))
   (LABEL "Date/Time" ID DATE/TIME SELECTEDFN TSP.FM.APPLY))
  ((LABEL "References:" TYPE DISPLAY FONT (NIL NIL MRR))
   (LABEL "Reference" ID REFERENCE SELECTEDFN TSP.FM.APPLY)
   (LABEL "Known References" ID KNOWNREF SELECTEDFN TSP.FM.APPLY)
   (LABEL "Reference By" TYPE STATE MENUITEMS (Ask Value Page)
    INITSTATE Value LINKS (DISPLAY DEFAULTTREF))
   (LABEL "" TYPE DISPLAY ID DEFAULTTREF FONT (TERMINAL 10 MRR)))
  ((LABEL "Endnotes:" TYPE DISPLAY FONT (NIL NIL MRR))
   (LABEL "Endnote" ID ENDNOTE SELECTEDFN TSP.FM.APPLY)
   (LABEL "Insert Endnotes" ID INSERTNOTE SELECTEDFN TSP.FM.APPLY)
   (LABEL "Delete Endnotes" ID DELETENOTE SELECTEDFN TSP.FM.APPLY)
   (LABEL "Set Style" ID SETSTYLE SELECTEDFN TSP.FM.APPLY))
  ((LABEL "Numbering:" TYPE DISPLAY FONT (NIL NIL MRR))
   (LABEL "NGroup Menu" TYPE TOGGLE ID NGROUP.MENU SELECTEDFN NGROUP.Menu.TOGGLE FONT (NIL NIL BIR))
   (LABEL "New Ngroup" ID NEWNGROUP SELECTEDFN TSP.FM.APPLY)
   (LABEL "Text Before" TYPE TOGGLE SELECTEDFN NGROUP.Text-Before.TOGGLE FONT (NIL NIL BIR))
   (LABEL "Text After" TYPE TOGGLE SELECTEDFN NGROUP.Text-After.TOGGLE FONT (NIL NIL BIR)))
  ((LABEL "Contents File:" TYPE DISPLAY FONT (NIL NIL MRR))
   (LABEL "Create TOC" ID CREATETOC SELECTEDFN TSP.FM.APPLY)
   (LABEL "View TOC" ID VIEWTOC SELECTEDFN TSP.FM.APPLY)
   (LABEL "TOC Filename:" TYPE EDITSTART LINKS (EDIT TOC.FILE))
   (LABEL "" TYPE EDIT ID TOC.FILE FONT (TERMINAL 10 MRR)))
  ((LABEL "Indices:" TYPE DISPLAY FONT (NIL NIL MRR))
   (LABEL "Index" ID INDEX SELECTEDFN TSP.FM.APPLY)
   (LABEL "Extended Index" ID XTNDINDEX SELECTEDFN TSP.FM.APPLY)
   (LABEL "Known Indices" ID KNOWNINDEX SELECTEDFN TSP.FM.APPLY)
   (LABEL "Manual Index" TYPE TOGGLE SELECTEDFN Manual.Index.TOGGLE FONT (NIL NIL BIR)))
  ((LABEL "Indices File:" TYPE DISPLAY FONT (NIL NIL MRR))
   (LABEL "Create Index" ID CREATEINDEX SELECTEDFN TSP.FM.APPLY)
   (LABEL "View Index" ID VIEWINDEX SELECTEDFN TSP.FM.APPLY)
   (LABEL "Index Filename:" TYPE EDITSTART LINKS (EDIT INDEX.FILE))
   (LABEL "" TYPE EDIT ID INDEX.FILE FONT (TERMINAL 10 MRR))
  ]
```

```
(RPAQQ IMAGEOBJ.MENU.ITEMS
```

```
((UPDATE (UPDATE.ALL TSTREAM TWINDOW))
 (UNDOUPDATE (DOWNDATA.ALL TSTREAM TWINDOW))
 (DATE/TIME (TEDIT.INSERT.OBJECT (DATEOBJ
  (TEXTOBJ TSTREAM)))
 (REFERENCE (INSERT.REF TSTREAM))
 (KNOWNREF (INSERT.REF TSTREAM T))
 (ENDNOTE (ADD.ENDNOTE TSTREAM TWINDOW))
 (INSERTNOTE (INSERT.ENDNOTES TSTREAM TWINDOW))
 (DELETENOTE (DELETE.ENDNOTES TSTREAM))
 (SETSTYLE (SET.ENDNOTE.STYLE TSTREAM TWINDOW))
 (NEWNGROUP (AND (ADD.NUMBER.GROUP TWINDOW TSTREAM)
  (GRAPHMENU TSTREAM TWINDOW)))
 (CREATETOC (CREATE.TOC.FILE TSTREAM TWINDOW))
 (VIEWTOC (VIEW.TOC.FILE TSTREAM TWINDOW))
 (INDEX (INSERT.INDEX TSTREAM TWINDOW))
 (XTNDINDEX (INSERT.INDEXENTRY TSTREAM TWINDOW))
 (KNOWNINDEX (INSERT.KNOWN.INDEX TSTREAM TWINDOW))
 (CREATEINDEX (VIEW.INDEX.FILE TSTREAM TWINDOW T))
 (VIEWINDEX (VIEW.INDEX.FILE TSTREAM TWINDOW)))
```

```
;;; Free Menu functions
```

```
(DEFINEQ
```

```
(TSP.DISPLAY.FMMENU
```

```
  [LAMBDA (STREAM)
```

```
(* fsg "24-Aug-87 14:37")
```

```
(* Here when user buttons TMAX Menu in the TEDIT.DEFAULT.MENU.)
```

```
(LET ((WINDOW (\TEDIT.MAINW STREAM))
      (IMAGEOBJ.MENUW (TSP.FMMENU STREAM)))
  (AND (NOT (OPENWP IMAGEOBJ.MENUW))
    (PROGN (TSP.SETUP.FILENAMES IMAGEOBJ.MENUW)
      (ATTACHWINDOW IMAGEOBJ.MENUW WINDOW 'TOP 'JUSTIFY)
      (WINDOWPROP IMAGEOBJ.MENUW 'PASSTOMAINCOMS ' (MOVEW SHAPEW SHRINKW BURYW))
```

**(TSP.SETUP.FILENAMES**

[LAMBDA (OBJMENUW)

; Edited 11-Nov-87 11:19 by drc:

(\* \* Here when displaying the TMAX menu. Setup the TOC/INDEX filenames if they're not already specified.)

```

(LET ((TEXT.FILE (with TEXTOBJ TEXTOBJ TXTFILE)))
  (AND (STREAMP TEXT.FILE)
    (LET* [(FILE.NAME (fetch (STREAM FULLNAME) of TEXT.FILE))
           (FILE.BASE (PACKFILENAME 'HOST (FILENAMEFIELD FILE.NAME 'HOST)
                                   'DIRECTORY
                                   (FILENAMEFIELD FILE.NAME 'DIRECTORY)
                                   'NAME
                                   (FILENAMEFIELD FILE.NAME 'NAME)
               (for EXTENSION in ' (TOC INDEX) do (LET ((FM.ITEM (FM.GETITEM (MKATOM (CONCAT EXTENSION
                                                                                               ".FILE"))
                                                                                               NIL OBJMENUW)))
               (AND (STREQUAL (FM.ITEMPROP FM.ITEM 'LABEL)
                              ""))
               (FM.CHANGESTATE FM.ITEM (CONCAT FILE.BASE "."
                                                EXTENSION)
               OBJMENUW])
    )
  )

```

**(TSP.SETUP.FMMENU**

[LAMBDA (WINDOW)

(\* fsg "24-Aug-87 16:04")

(\* \* Here to set up things like the FreeMenu, hasharrays, etc. the first time through.)

```

(OR (WINDOWPROP WINDOW 'IMAGEOBJ.MENUW)
  (TSP.FMMENU (OR (CAR (NLSETQ (TEXTSTREAM WINDOW)))
                  (with STREAM (with TEXTOBJ TEXTOBJ STREAMHINT)
                      FULLNAME]))

```

**(TSP.FMMENU**

[LAMBDA (STREAM)

; Edited 2-May-97 17:02 by rmk:

; Edited 29-Sep-87 11:17 by fsg

;; Creates the TMAX ImageObj menu but doesn't attach itself to the main TEdit window.

```

(LET ((WINDOW (\TEDIT.MAINW STREAM))
      IMAGEOBJ.MENUW)
  (OR (WINDOWPROP WINDOW 'IMAGEOBJ.MENUW)
    (PROGN (CL:UNLESS (HASHARRAYP (WINDOWPROP WINDOW 'TSP.NGROUP.ARRAY))
                     (WINDOWPROP WINDOW 'TSP.NGROUP.ARRAY (HASHARRAY 100)))
          (CL:UNLESS (HASHARRAYP (WINDOWPROP WINDOW 'TSP.CODE.ARRAY))
                     (WINDOWPROP WINDOW 'TSP.CODE.ARRAY (HASHARRAY 100)))
          (SETQ IMAGEOBJ.MENUW (FREEMENU TSP.FM.DESC "TMAX (Tedit Macros And eXtensions)"))
          (WINDOWPROP IMAGEOBJ.MENUW 'TSTREAM STREAM)
          (WINDOWADDPROP IMAGEOBJ.MENUW 'CLOSEFN (FUNCTION FREEATTACHEDWINDOW))
          (WINDOWPROP IMAGEOBJ.MENUW 'TWINDOW WINDOW)
          (WINDOWPROP WINDOW 'IMAGEOBJ.MENUW IMAGEOBJ.MENUW)
          IMAGEOBJ.MENUW])

```

**(TSP.FM.APPLY**

[LAMBDA (ITEM WINDOW BUTTON)

; Edited 29-Sep-87 11:17 by fsg

```

(LET [(LABEL (FM.ITEMPROP ITEM 'ID))
      (TSTREAM (WINDOWPROP WINDOW 'TSTREAM))
      (TWINDOW (WINDOWPROP WINDOW 'TWINDOW)]
  (EVAL (CADR (ASSOC LABEL IMAGEOBJ.MENU.ITEMS]))

```

**(UPDATE.ALL**

[LAMBDA (STREAM WINDOW)

(\* fsg "24-Aug-87 11:40")

(\* \* Update the NGroup/Endnote numbers and any References to them.)

```

(UPDATE.NUMBEROBS WINDOW STREAM 'NUMBEROBJP)
(UPDATE.XREFS WINDOW)

```

(\* \* This should check if there is an Endnote section. If there is one then we want to re-insert the Endnotes.  
The test for REGMARKOBJs works because we are only using them for the purpose of marking the Endnote section.)

```

(AND (TSP.LIST.OF.OBJECTS (TEXTOBJ STREAM)
                          'REGMARKOBJP)
  (INSERT.ENDNOTES STREAM WINDOW])

```

**(DOWNDATE.ALL**

[LAMBDA (STREAM WINDOW)

(\* fsg "24-Sep-87 16:16")

(\* \* Undo everything that UPDATE does.)

```

(DOWNDATE.NUMBEROBS WINDOW STREAM 'NUMBEROBJP)
(UPDATE.XREFS WINDOW T)

```

```
(AND (TSP.LIST.OF.OBJECTS (TEXTOBJ STREAM)
      'REGMARKOBJP)
      (INSERT.ENDNOTES STREAM WINDOW])
```

**(TSP.FUNCTION.HOOKS**

[LAMBDA NIL

(\* fsg "3-Aug-87 15:33")

```
(* * Called during LOAD to set up any function hooks.)
```

```
(LET (FUNCTION.HOOK)
      (AND (SETQ FUNCTION.HOOK (LISTGET TEDIT.DEFAULT.PROPS 'GETFN))
            (NEQ FUNCTION.HOOK (FUNCTION TSP.GETFN))
            (PROGN (PRINTOUT PROMPTWINDOW T .CENTER 0 (CONCAT "Tedit GETFN hook " FUNCTION.HOOK " replaced by
                                                                TMAX GETFN hook.")
                    T)
                  (FLASHWINDOW PROMPTWINDOW 2)))
      [COND
        ((LISTP TEDIT.DEFAULT.PROPS)
         (LISTPUT TEDIT.DEFAULT.PROPS 'GETFN (FUNCTION TSP.GETFN)))
        (T (SETQ TEDIT.DEFAULT.PROPS (LIST 'GETFN (FUNCTION TSP.GETFN)
            (AND (SETQ FUNCTION.HOOK (LISTGET TEDIT.DEFAULT.PROPS 'PUTFN))
                  (NEQ FUNCTION.HOOK (FUNCTION TSP.PUTFN))
                  (PROGN (PRINTOUT PROMPTWINDOW T .CENTER 0 (CONCAT "Tedit PUTFN hook " FUNCTION.HOOK " replaced by
                                                                TMAX PUTFN hook.")
                          T)
                        (FLASHWINDOW PROMPTWINDOW 2))))
            (COND
              ((LISTP TEDIT.DEFAULT.PROPS)
               (LISTPUT TEDIT.DEFAULT.PROPS 'PUTFN (FUNCTION TSP.PUTFN)))
              (T (SETQ TEDIT.DEFAULT.PROPS (LIST 'PUTFN (FUNCTION TSP.PUTFN))
```

**(TSP.GETFN**

[LAMBDA (STREAM FILENAME FLAVOR)

(\* fsg "24-Aug-87 14:27")

```
(* * Called both BEFORE and AFTER a TEdit GET. Only interested in BEFORE call at which time we clear all the hash
arrays in case of multiple GETs.)
```

```
(AND (EQ FLAVOR 'BEFORE)
      (LET ((WINDOW (\TEDIT.MAINW STREAM)))
            (CLRHASH (WINDOWPROP WINDOW 'TSP.CODE.ARRAY))
            (CLRHASH (WINDOWPROP WINDOW 'TSP.INDEX.ARRAY))
            (CLRHASH (WINDOWPROP WINDOW 'TSP.NGROUP.ARRAY])
```

**(TSP.PUTFN**

[LAMBDA (STREAM FILENAME FLAVOR)

(\* fsg "3-Aug-87 11:05")

```
(* * Called both before and after a TEdit PUT.)
```

```
(LET ((WINDOW (\TEDIT.MAINW STREAM)))
      (COND
        ((EQ FLAVOR 'BEFORE)
         (WINDOWPROP WINDOW 'DUMPNGROUPGRAPH T))
        (T (WINDOWPROP WINDOW 'DUMPNGROUPGRAPH NIL])
```

)

;;; Free Menu toggle functions

(DEFINEQ

**(AutoUpdate.TOGGLE**

```
[LAMBDA (ITEM WINDOW BUTTON)
      (WINDOWPROP (WINDOWPROP WINDOW 'TWINDOW)
        'AUTOUPDATE
        (FM.ITEMPROP ITEM 'STATE])
```

; Edited 29-Sep-87 11:35 by fsg

**(UPDATE?**

```
[LAMBDA (WINDOW)
      (WINDOWPROP WINDOW 'AUTOUPDATE])
```

(\* ss%: "27-Jun-87 16:33")

**(NGROUP.Menu.TOGGLE**

```
[LAMBDA (ITEM WINDOW BUTTON)
      (LET [(TWINDOW (WINDOWPROP WINDOW 'TWINDOW))
            (TSTREAM (WINDOWPROP WINDOW 'TSTREAM))
            (TOGGLE.STATE (FM.ITEMPROP ITEM 'STATE])
            (COND
              (TOGGLE.STATE (GRAPHMENU TSTREAM TWINDOW))
              (T (CLOSE.NGROUP.GRAPH TWINDOW])
```

(\* ss%: "27-Jun-87 16:28")

**(NGROUPMENU.ENABLED?**

```
[LAMBDA (TWINDOW) ; Edited 29-Sep-87 11:42 by fsg
  (FM.ITEMPROP (FM.GETITEM 'NGROUP.MENU NIL (WINDOWPROP TWINDOW 'IMAGEOBJ.MENUW))
    'STATE])
```

**(NGROUP.Text-Before.TOGGLE**

```
[LAMBDA (ITEM WINDOW BUTTON) ; Edited 29-Sep-87 11:45 by fsg
  (WINDOWPROP (WINDOWPROP WINDOW 'TWINDOW)
    'NGROUPTEXTBEFORE
    (FM.ITEMPROP ITEM 'STATE]))
```

**(TEXTBEFORE.ENABLED?**

```
[LAMBDA (WINDOW) (* ss%: "27-Jun-87 16:29")
  (WINDOWPROP WINDOW 'NGROUPTEXTBEFORE)]
```

**(NGROUP.Text-After.TOGGLE**

```
[LAMBDA (ITEM WINDOW BUTTON) ; Edited 29-Sep-87 11:46 by fsg
  (WINDOWPROP (WINDOWPROP WINDOW 'TWINDOW)
    'NGROUPTEXTAFTER
    (FM.ITEMPROP ITEM 'STATE]))
```

**(TEXTAFTER.ENABLED?**

```
[LAMBDA (WINDOW) (* ss%: "27-Jun-87 16:29")
  (WINDOWPROP WINDOW 'NGROUPTEXTAFTER)]
```

**(Manual.Index.TOGGLE**

```
[LAMBDA (ITEM WINDOW BUTTON) ; Edited 29-Sep-87 11:48 by fsg
  (WINDOWPROP (WINDOWPROP WINDOW 'TWINDOW)
    'MANUALINDEX
    (FM.ITEMPROP ITEM 'STATE]))
```

**(MANUALINDEX.ENABLED?**

```
[LAMBDA (WINDOW) (* ss%: "27-Jun-87 16:27")
  (WINDOWPROP WINDOW 'MANUALINDEX)]
```

)

;;; TSP font stuff

(DEFINEQ

**(GET.TSP.FONT**

```
[LAMBDA (WINDOW DEFAULT.FONT FONT.FIELD) (* fsg " 8-Jul-87 10:08")
```

(\* \* Return the font descriptor list. If the FAMILY, SIZE, and/or FACE is not specified, it defaults to the corresponding value in the DEFAULT.FONT descriptor. If FONT.FIELD is non-NIL, it specifies which one of the three fields to get.)

```
(LET ([FAMILY (COND
  ((AND FONT.FIELD (NEQ FONT.FIELD 'FAMILY))
    (FONTPROP DEFAULT.FONT 'FAMILY))
  (T (GET.TSP.FONT.FAMILY DEFAULT.FONT))
[SIZE (COND
  ((AND FONT.FIELD (NEQ FONT.FIELD 'SIZE))
    (FONTPROP DEFAULT.FONT 'SIZE))
  (T (GET.TSP.FONT.SIZE DEFAULT.FONT))
[FACE (COND
  ((AND FONT.FIELD (NEQ FONT.FIELD 'FACE))
    (FONTPROP DEFAULT.FONT 'FACE))
  (T (GET.TSP.FONT.FACE DEFAULT.FONT))
NEWENTRY.FONT)
(AND (SETQ NEWENTRY.FONT (FONTCREATE FAMILY SIZE FACE NIL NIL T))
  (LIST FAMILY SIZE (FONTPROP NEWENTRY.FONT 'FACE))
```

**(GET.TSP.FONT.FAMILY**

```
[LAMBDA (DEFAULT.FONT) ; Edited 24-Oct-2021 23:39 by rmk:
  (* fsg " 8-Jul-87 15:44")
```

(\* \* Get the font family from the menu or DEFAULT.FONT if the menu returns NIL.)

```
(OR [MKATOM (MENU (create MENU
  TITLE _ "Font Family"
  CENTERFLG _ T
  ITEMS _ ' ((Classic 'CLASSIC)
    (Gacha 'GACHA)
    (Terminal 'TERMINAL)
    (Helvetica 'HELVETICA)
    (Modern 'MODERN)
    (TimesRoman 'TIMESROMAN)
  (FONTPROP DEFAULT.FONT 'FAMILY))
```

**(GET.TSP.FONT.SIZE**

[LAMBDA (DEFAULT.FONT)

(\* fsg " 8-Jul-87 09:56")

(\* \* Get the font size from the menu or DEFAULT.FONT if the menu returns NIL.)

```
(OR [MKATOM (MENU (create MENU
  TITLE _ "Font Size"
  CENTERFLG _ T
  MENUCOLUMNS _ 2
  ITEMS _ '(6 8 10 12 14 18 24 36]
(FONTPROP DEFAULT.FONT 'SIZE]))
```

**(GET.TSP.FONT.FACE**

[LAMBDA (DEFAULT.FONT)

(\* fsg " 8-Jul-87 15:44")

(\* \* Get the font face from the menu or DEFAULT.FONT if the menu returns NIL.)

```
(OR [MKATOM (MENU (create MENU
  TITLE _ "Font Face"
  CENTERFLG _ T
  ITEMS _ '((Standard 'MRR "(MEDIUM REGULAR REGULAR)"
    (Italic 'MIR "(MEDIUM ITALIC REGULAR)"
    (Bold 'BRR "(BOLD REGULAR REGULAR)"
    (BoldItalic 'BIR "(BOLD ITALIC REGULAR)"
(FONTPROP DEFAULT.FONT 'FACE]))
```

**(ABBREVIATE.FONT**

[LAMBDA (FONT)

; Edited 24-Oct-2021 22:05 by rmk:  
(\* fsg " 8-Jul-87 15:57")

(\* \* Returns an abbreviated font description. For example, if the font is  
(TIMESROMAN 12 (BOLD REGULAR REGULAR)) then the list  
(TimesRoman 12 Bold) is returned.)

```
(LET [(FONT.LIST (COND
  [(FONTP FONT)
    (LIST (FONTPROP FONT 'FAMILY)
          (FONTPROP FONT 'SIZE)
          (FONTPROP FONT 'FACE)
    (T FONT)
  (LIST (LET ((FONT.FAMILY (CAR FONT.LIST)))
    (SELECTQ FONT.FAMILY
      (CLASSIC 'Classic)
      (TERMINAL 'Terminal)
      (GACHA 'Gacha)
      (HELVETICA 'Helvetica)
      (MODERN 'Modern)
      (TIMESROMAN 'TimesRoman)
      FONT.FAMILY))
    (CADDR FONT.LIST)
  (LET [(FONT.FACE (CONCATLIST (for FIELD in (CADDR FONT.LIST) collect (GNC FIELD)
    (SELECTQ (MKATOM FONT.FACE)
      (MRR 'Standard)
      (MIR 'Italic)
      (BRR 'Bold)
      (BIR 'BoldItalic)
      FONT.FACE]))
```

**(TMAX.SHADEOBJ**

[LAMBDA (OBJ STREAM SHADE)

; Edited 26-Jan-97 14:07 by rmk:  
(\* fsg "17-Sep-87 11:25")

;; Shade the ImageObject to distinguish it from normal text.

```
(AND (IMAGESTREAMTYPEP STREAM 'DISPLAY)
  (LET [(BOUNDBOX (IMAGEOBJPROP OBJ 'BOUNDBOX)
    (BLTSHADE (OR SHADE GP.DefaultShade)
      STREAM
      (DSPXPOSITION NIL STREAM)
      (IDIFFERENCE (DSPYPOSITION NIL STREAM)
        (FETCH YDESC OF BOUNDBOX))
      (FETCH XSIZE OF BOUNDBOX)
      (FETCH YSIZE OF BOUNDBOX]))
```

)

;;; Collect ImageObjects

(DEFINEQ

**(TSP.LIST.OF.OBJECTS**

[LAMBDA (TEXTOBJ TESTFN TESTFNARG)

; Edited 4-Mar-2024 16:22 by rmk  
; Edited 6-Nov-2022 09:38 by rmk

; Edited 6-Sep-2022 10:16 by rmk  
(\* ss%: "27-Jun-87 16:32")

```
... Loop through each PIECE of the TEdit document and call the user supplied function on those PIECEs that are ImageObjects. The extra loop is
... because the callers expect the results to be of the form (OBJ CH#)
```

```

(CL:WHEN TESTFN
  (LET ((OBJECTS (TEDIT.MAP.OBJECTS TEXTOBJ TESTFN TESTFNARG T)))
    (for X in OBJECTS do (swap (CAR X)
                                (CADR X)))
    OBJECTS)))

)

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS GP.DefaultFont GP.DefaultShade)

)

(RPAQ GP.DefaultFont (FONTCREATE 'TERMINAL 10))

(RPAQQ GP.DefaultShade 1024)

[TEDIT.ADD.MENUITEM TEDIT.DEFAULT.MENU ' (TMAX% Menu (FUNCTION TSP.DISPLAY.FMMENU)
  NIL
  (SUBITEMS (Update [FUNCTION (LAMBDA (TEXTSTREAM)
    (UPDATE.ALL TEXTSTREAM
      (\TEDIT.MAINW TEXTSTREAM)
      "Updates all cross-references")
    (NGroup% Menu [FUNCTION (LAMBDA (TEXTSTREAM)
      (GRAPHMENU TEXTSTREAM
        (\TEDIT.MAINW TEXTSTREAM)
        "Displays number-group menu"]
      (TSP.FUNCTION.HOOKS)

```

FUNCTION INDEX

ABBREVIATE.FONT .....	6	NGROUP.Menu.TOGGLE .....	4	TSP.FMMENU .....	3
AutoUpdate.TOGGLE .....	4	NGROUP.Text-After.TOGGLE .....	5	TSP.FUNCTION.HOOKS .....	4
DOWNDATE.ALL .....	3	NGROUP.Text-Before.TOGGLE .....	5	TSP.GETFN .....	4
GET.TSP.FONT .....	5	NGROUPMENU.ENABLED? .....	4	TSP.LIST.OF.OBJECTS .....	6
GET.TSP.FONT.FACE .....	6	TEXTAFTER.ENABLED? .....	5	TSP.PUTFN .....	4
GET.TSP.FONT.FAMILY .....	5	TEXTBEFORE.ENABLED? .....	5	TSP.SETUP.FILENAMES .....	3
GET.TSP.FONT.SIZE .....	6	TMAX.SHADEOBJ .....	6	TSP.SETUP.FMMENU .....	3
Manual.Index.TOGGLE .....	5	TSP.DISPLAY.FMMENU .....	2	UPDATE.ALL .....	3
MANUALINDEX.ENABLED? .....	5	TSP.FM.APPLY .....	3	UPDATE? .....	4

VARIABLE INDEX

GP.DefaultFont .....	7	IMAGEOBJ.MENU.ITEMS .....	2	TSP.FM.DESC .....	2
GP.DefaultShade .....	7	TMAX.FILE.LIST .....	1		