

File created: 22-Nov-88 14:03:08 {EG:PARC:XEROX}<LANNING>LISP>USERS>GRID-ICONS.;14

changes to: (VARS GRID-ICONSCOMS)
(FNS ICONW.MOVEFN LOADED-FILES-ICON-WINDOW-BUTTONEVENTFN)

previous date: 29-Sep-88 13:43:56 {EG:PARC:XEROX}<LANNING>LISP>USERS>GRID-ICONS.;13

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

;;
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(RPAQQ **GRID-ICONSCOMS**

[

;;; For laying out icons on a grid

```
(FNS ICONW.MOVEFN \ENSURE.ICON.GRID \TRIM-ICON-FILE-TITLE GRID-WINDOW)
[INITVARS (ENFORCE.ICON.GRID NIL)
  (ENFORCE.ICON.REGIONS NIL)
  (ICON.SPACING '(5 . 5))
  (ICON.SIZE '(85 . 85))
  (GRID.OFFSET '(0 . 0))
(GLOBALVARS ENFORCE.ICON.GRID ICON.SPACING ICON.SIZE GRID.OFFSET)
(DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE (ADVISE ICONW TITLEDICONW))
```

;;; Defining some nice Viewpoint-ish icons

```
(DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE
  ;; Redefine the Lafite folder icon, making them a bit smaller
  [VARS MSGFOLDERICON MSGFOLDERMASK (MSGFOLDERTEMPLATE (create TITLEDICON ICON _ MSGFOLDERICON MASK
    _ MSGFOLDERMASK TITLEREG _
    (CREATEREGION 5 2 65 35]
```

;; And, for the new improved Lafite:

```
(VARS (LAFITE.FOLDER.ICON MSGFOLDERTEMPLATE)))
[DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE
  ;; Redefine the Tedit icon, making it cuter and smaller
  [P (if (GETD 'TEDIT)
    then
      (ADVISE '(TEXTSTREAM.TITLE IN \TEDIT.SHRINK.ICONCREATE)
        'AFTER
        (SETQ !VALUE (\TRIM-ICON-FILE-TITLE !VALUE))
      (VARS TEDIT.ICON TEDIT.MASK (TEDIT.TITLED.ICON.TEMPLATE (create TITLEDICON ICON _ TEDIT.ICON MASK
        _ TEDIT.MASK TITLEREG _
        (CREATEREGION 5 2 50 30]
```

```
[DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE
  ;; Redefine the SEdit icon, making it smaller and cuter
  (VARS SEDITICON SEDITICONMASK)
  (P (SET (if (CL:FIND-PACKAGE "SEdit")
    then
      (CL:INTERN "TITLED-ICON" (CL:FIND-PACKAGE "SEdit"))
    else
      '\\titled.icon)
    (create TITLEDICON ICON _ SEDITICON MASK _ SEDITICONMASK TITLEREG _
    (CREATEREGION 5 5 50 65]
```

```
[DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE
  ;; Redefine the Sketch icon, making it cuter and smaller
  [P (if (GETD 'SKETCH)
    then
      (ADVISE '(SKETCH.TITLE IN SK.SHRINK.ICONCREATE)
        'AFTER
        (SETQ !VALUE (\TRIM-ICON-FILE-TITLE !VALUE))
      (VARS SKETCH.ICON SKETCH.MASK (SKETCH.TITLED.ICON.TEMPLATE (create TITLEDICON ICON _ SKETCH.ICON
        MASK _ SKETCH.MASK TITLEREG _
        (CREATEREGION 5 2 50 30]
```

```
[DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE
  ;; Make SPY icons appear on the grid
  (P (if (GETD 'SPY.BUTTON)
    then
      (ADVISE 'SPY.BUTTON 'AFTER '(GRID-WINDOW (OR !VALUE SPY.BUTTON]
```

```
[COMS ;; Define a nice icon for accessing the list of loaded files
(FNS LOADED-FILES-ICON-WINDOW-BUTTONEVENTFN)
(DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE
  (VARS LOADED-FILES-ICON LOADED-FILES-ICON-MASK
```

```

(LOADED-FILES-ICON-WINDOW (LET [(W (TITLEDICONW (create TITLEDICON ICON _
                                                         LOADED-FILES-ICON MASK _
                                                         LOADED-FILES-ICON-MASK
                                                         TITLEREG _
                                                         (CREATEREGION 7 9 55 10))
                                                         "Lisp files" NIL (CREATEPOSITION 0 0)
                                                         T
                                                         'BOTTOM]
                                (WINDOWPROP W 'BUTTONEVENTFN
                                              'LOADED-FILES-ICON-WINDOW-BUTTONEVENTFN)
                                W]

[DECLARE%: DONTVAL@LOAD DONTVAL@COMPILE
;; Define the standard icon, using the new Lyric feature
(VARS STANDARD-ICON STANDARD-ICON-MASK (DEFAULTTEXTICON (create TITLEDICON ICON _ STANDARD-ICON
                                                                MASK _ STANDARD-ICON-MASK TITLEREG
                                                                _ (CREATEREGION 5 5 50 60)))
      (DEFAULTICONFN 'TEXTICON])

...

;; Filemanager stuff

(DECLARE%: DONTCOPY (PROP MAKEFILE-ENVIRONMENT GRID-ICONS))
(DECLARE%: DONTVAL@LOAD DONTVAL@COMPILE DONTCOPY COMPILEVAR (ADDVARS (NLAMA)
                                                                    (NLAML)
                                                                    (LAMA)
                                                                    LOADED-FILES-ICON-WINDOW-BUTTONEVENTFN
                                                                    ))

;; For laying out icons on a grid

(DEFINEQ
(ICONW.MOVEFN
[LAMBDA (ICON POS)
; Edited 26-Jan-88 09:34 by sml

;; Make sure the icon gets moved on a grid

(LET [[ICON.WIDTH (fetch (REGION WIDTH) of (WINDOWPROP ICON 'REGION)]
      (ICON.HEIGHT (fetch (REGION HEIGHT) of (WINDOWPROP ICON 'REGION)]
      (COND
        ((OR (NOT ENFORCE.ICON.GRID)
              (WINDOWPROP ICON 'IGNORE.ICON.GRID))
         POS)
        ((OR (GREATERP (fetch (POSITION XCOORD) of POS)
                        SCREENWIDTH)
              (LESSP (PLUS (fetch (POSITION XCOORD) of POS)
                          ICON.WIDTH)
                      0)
              (GREATERP (fetch (POSITION YCOORD) of POS)
                        SCREENHEIGHT)
              (LESSP (PLUS (fetch (POSITION YCOORD) of POS)
                          ICON.HEIGHT)
                      0))
         ; Must be a deliberate attempt to move the icon off the screen,
         ; since the end result isn't visible. In that case, let them move it.

         POS)
        (T
         ; Compute the grid location for the icon, being careful not to push
         ; the icon (accidentally) off the screen

         (LET* [(ICON.CENTER.X (PLUS (fetch (POSITION XCOORD) of POS)
                                     (QUOTIENT ICON.WIDTH 2)))
                (ICON.CENTER.Y (PLUS (fetch (POSITION YCOORD) of POS)
                                     (QUOTIENT ICON.HEIGHT 2)))
                (GRID.X.SIZE (PLUS (CAR ICON.SIZE)
                                   (CAR ICON.SPACING)))
                (GRID.Y.SIZE (PLUS (CDR ICON.SIZE)
                                   (CDR ICON.SPACING)))
                (GRID.X.OFFSET (CAR GRID.OFFSET))
                (GRID.Y.OFFSET (CDR GRID.OFFSET))
                (ICON.GRID.X (MAX 0 (QUOTIENT (MIN (DIFFERENCE ICON.CENTER.X GRID.X.OFFSET)
                                                    SCREENWIDTH)
                                              GRID.X.SIZE)))
                (ICON.GRID.Y (MAX 0 (QUOTIENT (MIN (DIFFERENCE ICON.CENTER.Y GRID.Y.OFFSET)
                                                    SCREENHEIGHT)
                                              GRID.Y.SIZE)))
                (if (OR (NULL ENFORCE.ICON.REGIONS)
                        (for REGION in ENFORCE.ICON.REGIONS thereis (INSIDE? REGION ICON.CENTER.X ICON.CENTER.Y
                                                                              ))))
                    then (create POSITION
                                  XCOORD _ (PLUS (TIMES GRID.X.SIZE ICON.GRID.X)
                                                  (QUOTIENT (CAR ICON.SPACING)
                                                            2)
                                                  (QUOTIENT (DIFFERENCE (CAR ICON.SIZE)

```

[REDACTED]

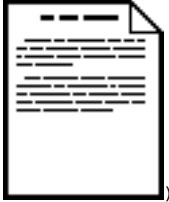
```
(RPAQ MSGFOLDERTEMPLATE (create TITLEDICON ICON _ MSGFOLDERICON MASK _ MSGFOLDERMASK TITLEREG _
(CREATEREGION 5 2 65 35)))
```

```
(RPAQ LAFITE.FOLDER.ICON MSGFOLDERTEMPLATE)
)
```

```
(DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE
```

```
[if (GETD 'TEDIT)
  then (ADVISE ' (TEXTSTREAM.TITLE IN \TEDIT.SHRINK.ICONCREATE)
        'AFTER
        ' (SETQ !VALUE (\TRIM-ICON-FILE-TITLE !VALUE]
```

```
(RPAQ TEDIT.ICON
```



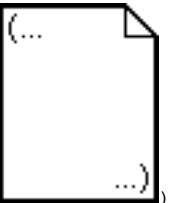
```
(RPAQ TEDIT.MASK
```



```
(RPAQ TEDIT.TITLED.ICON.TEMPLATE (create TITLEDICON ICON _ TEDIT.ICON MASK _ TEDIT.MASK TITLEREG _
(CREATEREGION 5 2 50 30)))
)
```

```
(DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE
```

```
(RPAQ SEDITICON
```



```
(RPAQ SEDITICONMASK
```

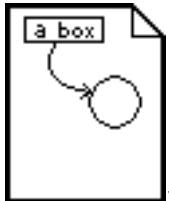


```
(SET (if (CL:FIND-PACKAGE "SEdit")
  then (CL:INTERN "TITLED-ICON" (CL:FIND-PACKAGE "SEdit"))
  else '\\titled.icon)
(create TITLEDICON
  ICON _ SEDITICON
  MASK _ SEDITICONMASK
  TITLEREG _ (CREATEREGION 5 5 50 65)))
)
```

```
(DECLARE%: DONTEVAL@LOAD DONTEVAL@COMPILE
```

```
[if (GETD 'SKETCH)
  then (ADVISE ' (SKETCH.TITLE IN SK.SHRINK.ICONCREATE)
        'AFTER
        ' (SETQ !VALUE (\TRIM-ICON-FILE-TITLE !VALUE]
```

```
(RPAQ SKETCH.ICON
```




```

else (PROMPTPRINT "No file added"]
[(EQ ITEM NOTICE-FILE-ITEM)
 (LET ((HIDDEN-FILES (HIDDEN-FILES)))
  (IF HIDDEN-FILES
   then (MENU (create MENU
                      ITEMS _ HIDDEN-FILES
                      TITLE _ "Notice which sysloaded file?"
                      WHENHELDFN _ #'[LAMBDA (ITEM MENU BUTTON)
                                   (COND
                                    (ITEM (PROMPTPRINT "Load-PROP the
                                                         file " ITEM " and then
                                                         edit its COMS"]
                                     WHENSELECTEDFN _ #'NOTICE-AND-EDIT-FILE))
                                   )
                      (T (EDIT-FILECOMS (FILENAMEFIELD ITEM 'NAME]
   else (PROMPTPRINT "No hidden files"]
 (COND
  ((MOUSESTATE LEFT)
   (MOVEW W))
  ((MOUSESTATE MIDDLE)
   (MENU (create MENU
                  ITEMS _ `(. (LOADED-FILES)
                              ,NEW-FILE-ITEM
                              ,NOTICE-FILE-ITEM)
                  TITLE _ "Edit COMS of which file?"
                  WHENHELDFN _ #'PRINT-FILE-MENU-HELP
                  WHENSELECTEDFN _ #'MENU-ITEM-SELECTED}))
  )
)

```

```
{MEDLEY}<lispusers>GRID-ICONS.;1
```

```
(RPAQQ DEFAULTICONFN TEXTICON)
)
```

```
...
```

```
::: Filemanager stuff
```

```
(DECLARE%: DONTCOPY
```

```
(PUTPROPS GRID-ICONS MAKEFILE-ENVIRONMENT (:PACKAGE "IL" :READTABLE "INTERLISP"))
)
```

```
(DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILEVAR
```

```
(ADDTOPVAR NLAMA )
```

```
(ADDTOPVAR NLAML )
```

```
(ADDTOPVAR LAMA LOADED-FILES-ICON-WINDOW-BUTTONEVENTFN)
)
```

```
(PUTPROPS GRID-ICONS COPYRIGHT ("Xerox Corporation" 1987 1988))
```

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