

File created: 24-Mar-2023 11:59:58 {DSK}<home>larry>il>medley>lispusers>DEMO.;3

edit by: lmm

changes to: (VARS DEMOCOMS)

previous date: 24-Mar-2023 07:29:15 {DSK}<home>larry>il>medley>lispusers>DEMO.;2

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

```
(RPAQQ DEMOCOMS ((VARS (HELPTIME 1)
                    (AUTOBACKTRACEFLG 'ALWAYS))
                 (COMS * BKSYSOBJCOMS)
                 (FNS MEDLEY-CONTRIB OPEN-URL)))

(RPAQQ HELPTIME 1)

(RPAQQ AUTOBACKTRACEFLG ALWAYS)

(RPAQQ BKSYSOBJCOMS [(FNS BKSYSOBJ BKSYSOBJ.BUTTONEVENTINFN BKSYSOBJ.COPYBUTTONEVENTINFN BKSYSOBJ.DISPLAYFN
                      BKSYSOBJ.FINDEXEC BKSYSOBJ.IMAGEBOXFN)
                    (INITVARS (BKSYSOBJFNS (IMAGEFNSCREATE 'BKSYSOBJ.DISPLAYFN 'BKSYSOBJ.IMAGEBOXFN NIL NIL
                                                            NIL 'BKSYSOBJ.BUTTONEVENTINFN
                                                            'BKSYSOBJ.COPYBUTTONEVENTINFN)))]
```

(DEFINEQ

(BKSYSOBJ

```
[LAMBDA (STRING)
  (IMAGEOBJCREATE STRING BKSYSOBJFNS)]
```

; Edited 18-Mar-2023 12:52 by rmk

(BKSYSOBJ.BUTTONEVENTINFN

```
[LAMBDA (OBJ WINDOW)
  (LET [(EXECW (BKSYSOBJ.FINDEXEC))
        (STR (IMAGEOBJPROP OBJ 'OBJECTDATUM)
              (CL:WHEN (MEMB (NTHCHARCODE STR -1)
                             (CHARCODE (%) %))))
        (SETQ STR (SUBSTRING STR 1 -2))]
    (CL:WHEN EXECW
      (GIVE.TTY.PROCESS EXECW)
      (BKSYSBUF STR)))]
```

; Edited 18-Mar-2023 13:51 by rmk

(BKSYSOBJ.COPYBUTTONEVENTINFN

```
[LAMBDA (OBJ WINDOW REGION)
  (CL:WHEN (CAR (IMAGEOBJPROP OBJ 'COMPAREDATA))
    [COPYINSERT (CAR (IMAGEOBJPROP OBJ 'COMPAREDATA))])]
```

; Edited 3-Jan-2022 08:36 by rmk

(BKSYSOBJ.DISPLAYFN

```
[LAMBDA (OBJ WINDOW)
  (DSPFONT DEFAULTFONT WINDOW)
  (FOR I C (FONTARRAY _ (FONTMAPARRAY))
    (STRING _ (IMAGEOBJPROP OBJ 'OBJECTDATUM)) FROM 1
  DO (SELCHARQ (SETQ C (NTHCHARCODE STRING I))
      (EOL (TERPRI WINDOW))
      (NIL (RETURN))
      (IF (EQ C (CONSTANT (CHARCODE.DECODE FONTEscapeCHAR)))
          THEN (DSPFONT (ELT FONTARRAY (NTHCHARCODE STRING (ADD I 1)))
                        WINDOW)
              ELSE (PRINTCCODE C WINDOW)]
```

; Edited 18-Mar-2023 13:04 by rmk

(BKSYSOBJ.FINDEXEC

```
[LAMBDA NIL
```

; Edited 18-Mar-2023 13:45 by rmk

;; Finds the first exec with an Interlisp read table.

```
(find W P in (OPENWINDOWS) suchthat (SETQ P (WINDOWPROP W 'PROCESS))
                                     (AND (STRPOS "EXEC" (PROCESSPROP P 'NAME)
                                             1 NIL T)
                                           (STREQUAL "INTERLISP" (READTABLEPROP (LISTGET (PROCESSPROP P
                                                                                       'PROFILE)
                                                                                       '*READTABLE*)
                                                                                       'NAME)]
```

(BKSYSOBJ.IMAGEBOXFN

```
[LAMBDA (OBJ IMAGESTREAM CURRENTX RIGHTMARGIN)
```

; Edited 18-Mar-2023 13:04 by rmk

;; Calculate the height of each line, and the width of the widest line.

;; Probably ought to compute the max height per line, at every font change, add it at each EOL.

```
(SETQ IMAGESTREAM (GETSTREAM IMAGESTREAM 'OUTPUT))
```

```

(FOR I C (STRING _ (IMAGEOBJPROP OBJ 'OBJECTDATUM))
  (FONT _ (FONTCREATE DEFAULTFONT NIL NIL NIL IMAGESTREAM))
  (HEIGHT _ 0)
  (LINELENGTH _ 0)
  (MAXLINELENGTH _ 0)
  (FONTARRAY _ (FONTMAPARRAY)) FROM 1
DO (SELCHARQ (SETQ C (NTHCHARCODE STRING I))
  (EOL (ADD HEIGHT (FONTPROP FONT 'HEIGHT))
    (CL:WHEN (IGREATERP LINELENGTH MAXLINELENGTH)
      (SETQ MAXLINELENGTH LINELENGTH))
    (SETQ LINELENGTH 0))
  (NIL ; end of string
    (CL:WHEN (IGREATERP LINELENGTH MAXLINELENGTH)
      (SETQ MAXLINELENGTH LINELENGTH))
    (RETURN (CREATE IMAGEBOX
      XSIZE _ MAXLINELENGTH
      YSIZE _ HEIGHT
      YDESC _ (DIFFERENCE HEIGHT (FONTPROP FONT 'HEIGHT))
      XKERN _ 0)))
  (IF (EQ C (CONSTANT (CHARCODE.DECODE FONTESCAPECHAR)))
    THEN (SETQ FONT (FONTCREATE (ELT FONTARRAY (NTHCHARCODE STRING (ADD I 1)))
      NIL NIL NIL IMAGESTREAM))
    ELSE (ADD LINELENGTH (CHARWIDTH C FONT]))
)

(RPAQ? BKSYSOBJFNS (IMAGEFNCREATE 'BKSYSOBJ.DISPLAYFN 'BKSYSOBJ.IMAGEBOXFN NIL NIL NIL
  'BKSYSOBJ.BUTTONEVENTINFN 'BKSYSOBJ.COPYBUTTONEVENTINFN))

(DEFINEQ
(MEDLEY-CONTRIB
  [LAMBDA (REPO) ; Edited 15-Mar-2023 08:05 by Imm
    (OPEN-URL (CONCAT "https://github.com/Interlisp/" REPO "/graphs/contributors"]])

(OPEN-URL
  [LAMBDA (URL) ; Edited 24-Mar-2023 06:31 by Imm
    (ShellBrowse URL)]
)

```

FUNCTION INDEX

BKSYSOBJ	1	BKSYSOBJ.DISPLAYFN	1	MEDLEY-CONTRIB	2
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BKSYSOBJ.COPYBUTTONEVENTINFN	1	BKSYSOBJ.IMAGEBOXFN	1		

VARIABLE INDEX

AUTOBACKTRACEFLG	1	BKSYSOBJCOMS	1	BKSYSOBJFNS	2	HELPTIME	1
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