

File created: 10-May-88 00:44:06 {ERINYES}<LISPUSERS>MEDLEY>LOADIRIS.;1

previous date: 4-Feb-87 20:09:38 {ERINYES}<LISPUSERS>LYRIC>LOADIRIS.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

;;
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```
(RPAQQ LOADIRISCOMS
  ((FILES FREEMENU)
   (FNS LI.CIRCLES LI.LOAD LI.MAKEMENU LI.SETUP IRIS.CREATE.ICON IRIS.DOMENU IRIS.TRY LOADIRIS INSTALLIRIS
    LI.TRAVEL)
   (VARS (IRIS.DIRECTORY '{ERIS}<IRIS>NEXT>)
    IRIS.MENU.COMMANDS IRISFILES LI.SETUP.ALL LI.SETUP.CLEAR LI.SETUP.DEBUG LI.SETUP.STANDARD LI.SHADE
    LOCATED.IRISFILES LOCATED.IRISPATCHFILE (LI.MENU))
   (BITMAPS LI.DOIT LI.IRISLOGO IRIS.ICON IRIS.ICON.MASK)
   (P (IRIS.CREATE.ICON)
    (printout T "Boot the IRIS, then choose 'create IRISview Panel' from the IRIS icon menu." T))))
```

(FILESLOAD FREEMENU)

(DEFINEQ

(**LI.CIRCLES**

```
[LAMBDA (X)
  (for F to (OR X 100) do (IRIS.COLOR (RAND 0 7))
    (IRIS.CIRCF (RAND 0 1000)
      (RAND 0 800)
      (RAND 50 200)))
  (IRIS.GFLUSH])
```

(* gbn " 5-Aug-85 15:25")

(**LI.LOAD**

```
[LAMBDA (item window button)
  (printout PROMPTWINDOW T "[Loading Iris Files]")
  (RESETLST
   [RESETSAVE (BITBLT NIL NIL NIL window NIL NIL NIL NIL 'TEXTURE 'INVERT LI.SHADE)
    '(BITBLT NIL NIL NIL ,window NIL NIL NIL NIL TEXTURE INVERT ,LI.SHADE]
    (* (QUOTE LIST) (QUOTE REDISPLAYW) window)
```

; Edited 9-Jan-87 15:28 by gbn

;; This cruft seems to count on the fact that the only the buttons that are selected are in fm.getstate. (so the list looks like (file1 t file2 t), and
;; not (file1 t file2 nil file3 t))

```
[FOR FILENAME IN (FM.GETSTATE WINDOW) WHEN (NEQ FILENAME T)
  DO (SETQ FILENAME (PACKFILENAME 'DIRECTORY IRIS.DIRECTORY 'BODY FILENAME))
    (IF (FILENAMEFIELD FILENAME 'EXTENSION)
      THEN (LOAD FILENAME)
      ELSE (LOAD FILENAME 'PROP]))]
```

(**LI.MAKEMENU**

```
[LAMBDA NIL
  (if (WINDOWP LI.MENU)
    then (CLOSEW LI.MENU))
  (SETQ LI.MENU (FREEMENU `((LABEL Setup%: TYPE DISPLAY FONT (HELVETICA 10 BOLD))
    (LABEL CLEAR TYPE MOMENTARY SELECTEDFN LI.SETUP)
    (LABEL Standard TYPE MOMENTARY SELECTEDFN LI.SETUP)
    (LABEL Debug TYPE MOMENTARY SELECTEDFN LI.SETUP)
    (LABEL ALL TYPE MOMENTARY SELECTEDFN LI.SETUP))
    ,@[LET* ([strLength (ADD1 (APPLY (FUNCTION MAX)
      (MAPCAR IRISFILES (FUNCTION NCHARS]
      (spaces (ALLOCSTRING strLength " ")))
      (MAPCAR IRISFILES (FUNCTION (LAMBDA (FILENAME)
        `((LABEL , (SUBSTRING (CONCAT FILENAME ":"
          spaces)
            1 strLength)
            TYPE DISPLAY FONT (GACHA 8 BOLD))
        (LABEL ,COMPILE.EXT ID
          , (PACKFILENAME 'NAME FILENAME
            'EXTENSION COMPILE.EXT)
            TYPE TOGGLE FONT (GACHA 8 STANDARD)
          )
        (LABEL Source ID ,FILENAME TYPE TOGGLE
          FONT (GACHA 8 STANDARD]
        ((LABEL "Load --" TYPE DISPLAY FONT (HELVETICA 12 BOLD))
        (LABEL ,LI.IRISLOGO TYPE MOMENTARY SELECTEDFN LI.LOAD MESSAGE "Loads the selected
          Iris files"))
        "Iris Loadup Panel"))
    (for setup in LI.SETUP.STANDARD when (CDR setup) do (FM.CHANGESTATE (FM.GETITEM (CAR setup)
      NIL LI.MENU)
      (CDR setup)
      LI.MENU))
```

; Edited 9-Jan-87 15:30 by gbn

```
(printout PROMPTWINDOW T "Please put the LoadIris menu somewhere")
(MOVEW LI.MENU LASTMOUSEX LASTMOUSEY)
(MOVEW LI.MENU)
LI.MENU])
```

(LI.SETUP

```
[LAMBDA (ITEM WINDOW BUTTON) ; Edited 24-Dec-86 14:29 by gbn
  (FOR SETUP IN [EVALV (PACK* 'LI.SETUP. (U-CASE (FM.ITEMPROP ITEM 'LABEL]
    DO ; THIS IS RIDICULOUS...
      (IF (EQ (FM.CHANGESTATE (FM.GETITEM (CAR SETUP)
        NIL WINDOW)
          (CDR SETUP)
          WINDOW)
        (CDR SETUP))
      THEN (FM.CHANGESTATE (FM.GETITEM (CAR SETUP)
        NIL WINDOW)
          (CDR SETUP)
          WINDOW]))
```

(IRIS.CREATE.ICON

```
[LAMBDA (position) ; Edited 2-Feb-87 23:34 by gbn
  (if (NOT position)
    then (printout PROMPTWINDOW T "Please position the Iris icon somewhere"))
  (LET ((window (ICONW IRIS.ICON IRIS.ICON.MASK position)))
    (WINDOWPROP window 'SHRINKFN 'DON'T)
    (WINDOWPROP window 'BUTTONEVENTFN 'IRIS.DOMENU]))
```

(IRIS.DOMENU

```
[LAMBDA (window) (* LeL, " 9-Sep-85 01:36")
  (if (NOT (WINDOWPROP window 'MENU))
    then (WINDOWPROP window 'MENU (create MENU
      ITEMS _ IRIS.MENU.COMMANDS)))
  (MENU (WINDOWPROP window 'MENU]))
```

(IRIS.TRY

```
[LAMBDA NIL (* LeL, " 4-Sep-85 15:42")
  (OPEN.IRISCONN) (* opens a connection and runs two dumb demos)
  (IRIS.GINIT) (* this defaults to the value of IRISNSHOSTNUMBER)
  (for I to 5 do (LI.CIRCLES) (* must be executed before the iris is ready to accept graphic
    (LI.TRAVEL) commands))
```

(LOADIRIS

```
[LAMBDA (options) (* LeL, " 3-Sep-85 11:55")
  (* loads the files necessary to open a connection to the iris and use the graphics library)
  (if (FMEMB %'DCOMS options)
    then (MAPC LOCATED.IRISFILES (FUNCTION (LAMBDA (file)
      (LOAD? (PACK* file %'.DCOM]
    (if (FMEMB %'SOURCES options)
      then (MAPC LOCATED.IRISFILES (FUNCTION (LAMBDA (file)
        (LOAD? file %'PROP]
    (if (FMEMB %'PATCHES options)
      then (LOAD LOCATED.IRISPATCHFILE]))
```

(INSTALLIRIS

```
[LAMBDA (NODCOMS NOSOURCES) (* BDV "19-Jul-85 19:08")
  (* moves the iris files from my working dir to {eris}<iris>current>)
  (COPYFILES IRISFILES %'{ERIS}<IRIS>CURRENT>)
  (COPYFILES (for F in IRISFILES collect (PACK* F ".DCOM"))
    %'{ERIS}<IRIS>CURRENT>)
  (COPYFILES %'IRISIO.DCOM %'{ERIS}<IRIS>CURRENT>))
```

(LI.TRAVEL

```
[LAMBDA (COLOR) (* gbn " 5-Aug-85 21:33")
  (IRIS.DOUBLEBUFFER) (* dumb demo to try double buffering)
  (IRIS.GCONFIG)
  (if (NOT COLOR)
    then (SETQ COLOR (RAND 0 6)))
  (for I from 5 to 1000 by 10 do (IRIS.COLOR 8)
    (IRIS.CLEAR)
    (IRIS.COLOR COLOR)
    (IRIS.CIRCF I (IQUOTIENT I 2)
      (IQUOTIENT I 5))
    (IRIS.SWAPBUFFERS))
```

```
(IRIS.GFLUSH)
(IRIS.SINGLEBUFFER)
(IRIS.GCONFIG])

)

(RPAQQ IRIS.DIRECTORY {ERIS}<IRIS>NEXT>)

(RPAQQ IRIS.MENU.COMMANDS
  (("Clear IRIS" (CLEARIRIS))
   ("Open IRIS stream" (if (MOUSECONFIRM "New stream? (lose fonts, etc.) Left to confirm")
                           then
                             (SETQ IRISCONN)
                             (OPENIRISSTREAM)))
   ("Create IRISview panel" (IV.INIT))
   ("Enable bootserver" (if (GETD 'IRISBOOTSERVER)
                           then
                             (IRISBOOTSERVER T)
                           else
                             (PROMPTPRINT "IRISNET must be loaded to use the boot server")))
   "Allows the Lisp Machine to boot the IRIS"
   ("Disable bootserver" (if (GETD 'IRISBOOTSERVER)
                           then
                             (IRISBOOTSERVER NIL)
                           else
                             (PROMPTPRINT "IRISNET must be loaded to use the boot server")))
   "Prevents the Lisp Machine from booting the IRIS")))

(RPAQQ IRISFILES (IRISSTREAM IRISNET IRISVIEW))

(RPAQQ LI.SETUP.ALL ((IRISSTREAM . T)
                    (IRISSTREAM.LCOM . T)
                    (IRISNET . T)
                    (IRISNET.LCOM . T)
                    (IRISVIEW.LCOM T)
                    (IRISVIEW T)))

(RPAQQ LI.SETUP.CLEAR ((IRISSTREAM)
                      (IRISSTREAM.LCOM)
                      (IRISNET)
                      (IRISNET.LCOM)
                      (IRISVIEW)
                      (IRISVIEW.LCOM)))

(RPAQQ LI.SETUP.DEBUG ((IRISSTREAM . T)
                      (IRISSTREAM.LCOM . T)
                      (IRISVIEW . T)
                      (IRISVIEW.LCOM . T)
                      (IRISNET.LCOM . T)))

(RPAQQ LI.SETUP.STANDARD ((IRISSTREAM.LCOM . T)
                        (IRISNET.LCOM . T)
                        (IRISVIEW.LCOM . T)))

(RPAQQ LI.SHADE 18432)

(RPAQQ LOCATED.IRISFILES ({QV}<PSYCH>IRIS>GL2>IRISLIB {ERIS}<IRIS>IRISSTREAM {ERIS}<IRIS>IRISNET
                        {QV}<PSYCH>IRIS>GL2>IRISIO {ERIS}<IRIS>IRISDIGDEMO))

(RPAQQ LOCATED.IRISPATCHFILE {QV}<PSYCH>IRIS>GL2>IRISPATCH)

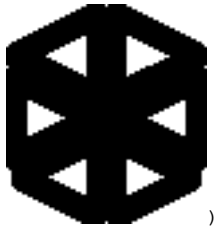
(RPAQQ LI.MENU NIL)

(RPAQQ LI.DOIT )

(RPAQQ LI.IRISLOGO )

(RPAQQ IRIS.ICON )

(RPAQQ IRIS.ICON.MASK
```



```
(IRIS.CREATE.ICON)
```

```
(printout T "Boot the IRIS, then choose 'create IRISview Panel' from the IRIS icon menu." T)
```

```
(PUTPROPS LOADIRIS COPYRIGHT ("Xerox Corporation" 1985 1986 1987 1988))
```

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