

File created: 5-Nov-2020 19:32:15 {DSK}<users>arunwelch>skydrive>documents>unix>lisp>lde>notecards>system>NCGESTURES.;4

previous date: 9-Jan-94 20:23:30 {DSK}<users>arunwelch>skydrive>documents>unix>lisp>lde>notecards>system>NCGESTURES.;3

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

::  
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```
(RPAQQ NCGESTURESCOMS [( * * Stuff for closing and moving windows by gesturing.)
  (GLOBALVARS LASTMOUSEBUTTONS)
  (FNS NC.GrabWindow)
  (P (SETQ BACKGROUNDBUTTONEVENTFN (FUNCTION NC.GrabWindow]))
```

(\* \* Stuff for closing and moving windows by gesturing.)

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS LASTMOUSEBUTTONS)
)

(DEFINEQ

(**NC.GrabWindow**

[LAMBDA NIL

(\* edited%: " 3-Jun-88 14:27")

(\* Modified to respect a main window's MOVEFN or CLOSEFN if this happens to be an attached window.
--KEF)

```
(PROG ((InOutList NIL)
  Window WindowRegionLeft WindowRegionBottom WindowRegionWidth WindowRegionHeight INX INY OUTX OUTY)
  (AND (NEQ LASTMOUSEBUTTONS 7)
    (until (MOUSESTATE UP)
      do (RESETLST
        (RESETSAVE (CURSOR BOXCURSOR))
        (until (OR (MOUSESTATE UP)
          (NEQ Window (WHICHW)))
          do (BLOCK)
        (SETQ InOutList (CONS (LIST Window LASTMOUSEX LASTMOUSEY)
          InOutList))
        [SETQ WindowRegionLeft (fetch (REGION LEFT) of (WINDOWPROP Window 'REGION)]
        [SETQ WindowRegionBottom (fetch (REGION BOTTOM) of (WINDOWPROP Window 'REGION)]
        [SETQ WindowRegionWidth (fetch (REGION WIDTH) of (WINDOWPROP Window 'REGION)]
        [SETQ WindowRegionHeight (fetch (REGION HEIGHT) of (WINDOWPROP Window 'REGION)]
        (SETQ OUTX (CADAR InOutList))
        (SETQ OUTY (CADDR InOutList))
        (SETQ INX (CADR (CADR InOutList)))
        (SETQ INY (CADDR (CADR InOutList)))
        (COND
          [[AND Window (NOT (LASTMOUSESTATE UP))
            (AND [OR [AND (ILESSP INX (IPLUS WindowRegionLeft (FTIMES 0.25
              WindowRegionWidth)))
              (ILESSP OUTX (IPLUS WindowRegionLeft (FTIMES 0.25
                WindowRegionWidth)
                WindowRegionWidth]
              (AND (IGREATERP INX (IPLUS WindowRegionLeft (FTIMES 0.75
                WindowRegionWidth)
                WindowRegionWidth)
                )
              (IGREATERP OUTX (IPLUS WindowRegionLeft (FTIMES 0.75
                WindowRegionWidth)
                WindowRegionWidth)
                ]
              (OR [AND (ILESSP INY (IPLUS WindowRegionBottom (FTIMES 0.25
                WindowRegionHeight)
                WindowRegionHeight)
                )
              (ILESSP OUTY (IPLUS WindowRegionBottom (FTIMES 0.25
                WindowRegionHeight)
                WindowRegionHeight)
                ]
              (AND (IGREATERP INY (IPLUS WindowRegionBottom (FTIMES 0.75
                WindowRegionHeight)
                WindowRegionHeight)
                )
              (IGREATERP OUTY (IPLUS WindowRegionBottom (FTIMES 0.75
                WindowRegionHeight)
                WindowRegionHeight)
                ]
            )
          ]
          (COND
            [(FMEMB 'MOVEW (WINDOWPROP Window 'PASSTOMAINCOMS))
              (MOVEW (WINDOWPROP Window 'MAINWINDOW))
              (T (MOVEW Window))
            ]
            [[AND Window (NOT (LASTMOUSESTATE UP))
              (for N from 3 to 3 by 2
                always (AND (EQ Window (CAAR (NTH InOutList N)))
```

```
(NOT (INSIDEP (CREATEREGION (IPLUS WindowRegionLeft 20)
                          (IPLUS WindowRegionBottom 20)
                          (IDIFFERENCE WindowRegionWidth 40)
                          (IDIFFERENCE WindowRegionHeight 40))
      (CADAR (NTH InOutList (SUB1 N))
             (CADDAR (NTH InOutList (SUB1 N]
                    (COND
                      [(FMEMB 'CLOSEW (WINDOWPROP Window 'PASSTOMAINCOMS))
                       (CLOSEW (WINDOWPROP Window 'MAINWINDOW)
                               (T (CLOSEW Window)))
                       (BLOCK))]
                     (SETQ Window (WHICHW))
```

(\* \* Kludge to fix TEDIT image object button event fn bug.)

```
(COND
  ((AND (WINDOWP Window)
        TEDIT.SELPENDING
        (EQ (WINDOWPROP Window 'TEXTOBJ)
            TEDIT.SELPENDING))
   (SETQ Window NIL))))]
```

)

```
(SETQ BACKGROUNDBUTTONEVENTFN (FUNCTION NC.GrabWindow))
```

```
(PUTPROPS NCGESTURES COPYRIGHT ("Xerox Corporation" 1984 1985 1988 1989 1993 1994 2020))
```

**FUNCTION INDEX**

NC.GrabWindow .....1

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