

File created: 26-Jun-90 19:20:18 {DSK}<usr>local>lde>lispcore>internal>library>SKETCHCOLOR.;2

changes to: (VARS SKETCHCOLORCOMS)

previous date: 9-Jan-87 16:47:16 {DSK}<usr>local>lde>lispcore>internal>library>SKETCHCOLOR.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

::
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```
(RPAQQ SKETCHCOLORCOMS ((FNS COLORTEXTURETEST LEVELTEXTURE PRIMARYTEXTURE)
  (VARS (SKETCHINCOLORFLG T))
  (FILES COLOR STYLESHEET)
  (ADVISE \FILLCIRCLE.DISPLAY \POLYSHADE.DISPLAY)))
```

(DEFINEQ

(**COLORTEXTURETEST**

[LAMBDA (W)

(* rrb "22-Aug-85 10:16")

(* puts up a test pattern of primary colors.)

(PROG ((LFT 90))
 (CLEARW W)

(for BLUELEVEL from 94 by 50 to 300

do (printout W "BLUE: " BLUELEVEL " " 'RED)
 (DSPYPOSITION (DIFFERENCE (DSPYPOSITION NIL W)
 50)

W)

(DSPXPOSITION 0 W)

(for GREENLEVEL from 94 by 50 to 300 do

(printout W "Green: " GREENLEVEL)

[for REDLEVEL from 94 by 50 to 300

do (BITBLT NIL 0 0 W (DIFFERENCE REDLEVEL 20)

(DSPYPOSITION NIL W)

45 45 'TEXTURE 'REPLACE

(TEXTUREOFCOLOR (LIST REDLEVEL GREENLEVEL

BLUELEVEL])

(DSPYPOSITION (DIFFERENCE (DSPYPOSITION NIL W)

50)

W)

(DSPXPOSITION 0 W)])

(**LEVELTEXTURE**

[LAMBDA (LEVEL)

(* rrb "20-Aug-85 16:42")

(* returns a 16x16 texture which is merged so that only light bits on both go to light with a primary color pattern to get a level primary pattern.)

(COND

((ILESSP LEVEL 100)

BLACKSHADE16)

((ILESSP LEVEL 150)

DARKGRAY16)

((ILESSP LEVEL 200)

MEDIUMGRAY16)

((ILESSP LEVEL 245)

LIGHTGRAY16)

(T WHITESHADE16])

(**PRIMARYTEXTURE**

[LAMBDA (PRIMARY LEVEL)

(* rrb "20-Aug-85 16:42")

(* returns the 16x16 texture for a primary color level.)

(PROG [(TEXTURE (BITMAPCOPY (SELECTQ PRIMARY

(RED REDTEXTURE)

(BLUE BLUETEXTURE)

(GREEN GREENTEXTURE)

(\ILLEGAL.ARG PRIMARY]

(BITBLT (LEVELTEXTURE LEVEL)

0 0 TEXTURE 0 0 16 16 'INPUT 'ERASE)

(RETURN TEXTURE)])

)

(RPAQQ SKETCHINCOLORFLG T)

(FILESLOAD COLOR STYLESHEET)

[XCL:REINSTALL-ADVICE '\FILLCIRCLE.DISPLAY :BEFORE '(((LAST (COND

((LISTP TEXTURE)

(COND

((TEXTUREP (CAR TEXTURE)))

{MEDLEY}<internal>envos>SKETCHCOLOR.;1 (\FILLCIRCLE.DISPLAY cont.)

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```
(SETQ TEXTURE (CAR TEXTURE))
(T (SETQ TEXTURE (TEXTUREOFCOLOR (CADR TEXTURE
]
```

```
[XCL:REINSTALL-ADVICE '\POLYSHADE.DISPLAY :BEFORE ' (:LAST (COND
((LISTP FILL.SHADE)
(COND
((TEXTUREP (CAR FILL.SHADE))
(SETQ FILL.SHADE (CAR FILL.SHADE)))
(T (SETQ FILL.SHADE (TEXTUREOFCOLOR
(CADR FILL.SHADE]
```

(READWISE \FILLCIRCLE.DISPLAY \POLYSHADE.DISPLAY)

(PUTPROPS **SKETCHCOLOR COPYRIGHT** ("Venue & Xerox Corporation" 1985 1987 1990))

FUNCTION INDEX

COLORTEXTURETEST1 LEVELTEXTURE1 PRIMARYTEXTURE1

ADVICE INDEX

\FILLCIRCLE.DISPLAY1 \POLYSHADE.DISPLAY2

VARIABLE INDEX

SKETCHINCOLORFLG1
