

File created: 9-Jan-87 16:47:16 {ERIS}<LISPCORE>LIBRARY>SKETCHCOLOR.;2

changes to: (VARS BLACKSHADE16 DARKGRAY16 MEDIUMGRAY16 LIGHTGRAY16 WHITESHADE16 REDTEXTURE GREENTEXTURE  
BLUETEXTURE SKETCHCOLORCOMS)

previous date: 29-Oct-85 14:44:30 {ERIS}<LISPCORE>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)

(PUTPROPS \FILLCIRCLE.DISPLAY READVICE [NIL (BEFORE NIL (COND ((LISTP TEXTURE)

(COND ((TEXTUREP (CAR TEXTURE))

(SETQ TEXTURE (CAR TEXTURE)))

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

```
(PUTPROPS \POLYSHADE.DISPLAY READVICE [NIL (BEFORE NIL (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 ("Xerox Corporation" 1985 1987))
```

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**ADVICE INDEX**

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**VARIABLE INDEX**

SKETCHINCOLORFLG .....1

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