```
26-Oct-2021 10:52:24 {DSK}<home>larry>medley>sources>MAIKOBITBLT.;2
 File created:
  changes to:
                (FNS \\MAIKO.BITBLTSUB \\MAIKO.BLTCHAR \\MAIKO.PUNTBLTCHAR \\MAIKO.BITBLT.BITMAP
                     \\MAIKO.BLTSHADE.BITMAP)
previous date:
               24-Oct-2021 10:31:31 {DSK}<home>larry>medley>sources>MAIKOBITBLT.;1
 Read Table:
               XCT.
    Package:
               INTERLISP
      Format:
                XCCS
; Copyright (c) 1988-1990, 1994 by Venue & Xerox Corporation.
(RPAQQ MAIKOBITBLTCOMS
        (;; this file has some optimizations for BITBLT on MAIKO; while PILOTBITBLT opcode still works, these functions directly implement some
         ;; higher level operations
         (FNS \\MAIKO.BITBLTSUB \\MAIKO.BLTCHAR \\MAIKO.PUNTBLTCHAR \\MAIKO.BITBLT.BITMAP \\MAIKO.BLTSHADE.BITMAP
        ;; Save the old \BITBLT.BITMAP, because it handles the OPERATION - MERGE case, where the C code doesn't.
         (P (MOVD '\BITBLT.BITMAP '\MAIKO.OLDBITBLT.BITMAP))
         (ADDVARS (\\MAIKO.MOVDS (\\MAIKO.BLTCHAR \\MEDW.BLTCHAR)
                           (\\MAIKO.BITBLTSUB \\BITBLTSUB)
                           (\\MAIKO.BITBLT.BITMAP \\BITBLT.BITMAP)
                           (\\MAIKO.BLTSHADE.BITMAP \\BLTSHADE.BITMAP)))))
;; this file has some optimizations for BITBLT on MAIKO; while PILOTBITBLT opcode still works, these functions directly implement some higher level
;; operations
(DEFINEQ
(\\MAIKO.BITBLTSUB
  Edited 29-Jun-88 16:24 by
    ;; replaces \BITBLTSUB on Maiko
    (SUBRCALL BITBLTSUB PILOTBBT | SourceBitMap | SLX STY | DestinationBitMap | DLX DTY HEIGHT | SourceType | | Operation | | Texture | | WindowXOffset | | WindowYOffset | )))
(\\MAIKO.BLTCHAR
  (LAMBDA (CHARCODE DISPLAYSTREAM DISPLAYDATA)
                                                                        ; Edited 26-Oct-2021 10:22 by larry
                                                                        Edited 6-Jul-90 10:14 by mátsuda
    (SUBRCALL NEW-BLTCHAR CHARCODE DISPLAYSTREAM DISPLAYDATA)))
(\\MAIKO.PUNTBLTCHAR
                                                                        ; Edited 26-Oct-2021 10:21 by larry
  (LAMBDA (CHARCODE DISPLAYSTREAM DISPLAYDATA)
                                                                        ; Edited 1-Nov-89 15:26 by tákeshi
    ;; puts a character on a display stream. This function will be called when \maiko.bltchar failed. Punt from subr call
    (DECLARE (LOCALVARS . T))
    (PROG (LOCAL1 RIGHT LEFT CURX CHAR8CODE)
           (SETQ CHAR8CODE (\\CHAR8CODE CHARCODE))
      CRLP
           (COND
              ((NOT (EQ (|ffetch| (\\DISPLAYDATA DDCHARSET) |of| DISPLAYDATA)
                          (\\CHARSET CHARCODE)))
                (\\CHANGECHARSET.DISPLAY DISPLAYDATA (\\CHARSET CHARCODE))))
           (COND
              ((|ffetch| (\\DISPLAYDATA |DDSlowPrintingCase|) |of| DISPLAYDATA)
                (RETURN (COND
                            ((|type?| STREAM DISPLAYSTREAM)
                                SLOWBLTCHAR CHARCODE DISPLAYSTREAM))
                            ((|type?| WINDOW DISPLAYSTREAM)
                             (\\SLOWBLTCHAR CHARCODE (FETCH DSP OF DISPLAYSTREAM)))
                            (T (ERROR "Not Stream or Window" DISPLAYSTREAM))))))
           (SETQ CURX (|ffetch| (\\DISPLAYDATA DDXPOSITION) |of| DISPLAYDATA))
           (SETQ RIGHT (IPLUS CURX (\\DSPGETCHARIMAGEWIDTH CHAR8CODE DISPLAYDATA)))
           (COND
              ((IGREATERP RIGHT (| ffetch | (\\DISPLAYDATA | DDRightMargin | ) | of | DISPLAYDATA))
                                                                        ; would go past right margin, force a cr
                   ((IGREATERP CURX (|ffetch| (\\DISPLAYDATA |DDLeftMargin|) |of| DISPLAYDATA))
                                                                        ; don't bother CR if position is at left margin anyway. This also
                                                                        serves to break the loop.
                    (\\DSPPRINTCR/LF (CHARCODE EOL)
                                                                        reuse the code in the test of this conditional rather than repeat it
                           DISPLAYSTREAM)
                                                                        here
                    (GO CRLP)))))
                                                                        update the display stream x position.
           (|freplace| (\\displaydata ddxposition) |of| displaydata |with| (iplus curx (\\dspgetcharwidth char8code
                                                                                                 DISPLAYDATA)))
                                                                        ; transforms an x coordinate into the destination coordinate.
```

(ADDTOVAR \\MAIKO.MOVDS (\\MAIKO.BLTCHAR \\MEDW.BLTCHAR)

(\\MAIKO.BITBLTSUB \\BITBLTSUB)

(\\MAIKO.BITBLT.BITMAP \\BITBLT.BITMAP) (\\MAIKO.BLTSHADE.BITMAP \\BLTSHADE.BITMAP))

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{MEDLEY}<sources>MAIKOBITBLT.;1 28-Jun-2024 18:34:03 -- Listed on 30-Jun-2024 13:16:07 --

FUNCTION INDEX		
	\\MAIKO.BLTCHAR	\\MAIKO.PUNTBLTCHAR1
VARIABLE INDEX		
\\MAIKO.MOVDS2		