```
(RPAQQ COURIERDEFSCOMS ((FNS READCOURIERATOM READCOURIERBRUSH READCOURIERFONT WRITECOURIERFONT
                             WRITECOURIERBRUSH READCOURIERNUMBER WRITECOURIERNUMBER READCOURIERPOSITION
                             WRITECOURIERPOSITION READCOURIERTEXTURE WRITECOURIERTEXTURE)
                        (PROP COURIERDEF ATOM BRUSH FONT NUMBER POSITION TEXTURE)
                        (COURIERPROGRAMS INTERLISP)))

(DEFINEQ
```

(**READCOURIERATOM**
```
  [LAMBDA (STREAM PROGRAM TYPE)                              (* cdl "10-Nov-85 17:16")
    (MKATOM (COURIER.READ.STRING STREAM]))
```

(**READCOURIERBRUSH**
```
  [LAMBDA (STREAM PROGRAM TYPE)                              (* cdl "21-Nov-85 19:10")
                                                            (* DECLARATIONS%: (RECORD ITEM
                                                            (TYPENAME VALUE)))

    (with ITEM (COURIER.READ STREAM 'INTERLISP 'LISPBRUSH)
        (SELECTQ TYPENAME
            (NIL NIL)
            ((NUMBERP BRUSH)
                VALUE)
            (SHOULDNT])
```

(**READCOURIERFONT**
```
  [LAMBDA (STREAM PROGRAM TYPE)                              (* cdl " 5-Dec-85 19:01")
    (FONTCREATE (COURIER.READ STREAM 'INTERLISP 'FONTRECORD])
```

(**WRITECOURIERFONT**
```
  [LAMBDA (STREAM FONT PROGRAM TYPE)                         (* cdl " 6-Feb-86 19:01")
    (COURIER.WRITE STREAM (COURIER.CREATE (INTERLISP . FONTRECORD)
                                FAMILY _ (FONTPROP FONT 'FAMILY)
                                SIZE _ (FONTPROP FONT 'SIZE)
                                FACE _ (FONTPROP FONT 'FACE)
                                ROTATION _ (FONTPROP FONT 'ROTATION)
                                DEVICE _ (FONTPROP FONT 'DEVICE))
            'INTERLISP
            'FONTRECORD])
```

(**WRITECOURIERBRUSH**
```
  [LAMBDA (STREAM ITEM PROGRAM TYPE)                         ; Edited  3-Sep-87 09:54 by cdl
    (COURIER.WRITE STREAM (if (NULL ITEM)
                            then '(NIL 0)
                          elseif (NUMBERP ITEM)
                            then (LIST 'NUMBERP ITEM)
                          elseif (LISTP ITEM)
                            then [until [GEQ (LENGTH ITEM)
                                             (CONSTANT (LENGTH (RECORDFIELDNAMES 'BRUSH]
                                    do (SETQ ITEM (APPEND ITEM '(NIL]
                                 (LIST 'BRUSH ITEM)
                          else (SHOULDNT))
            'INTERLISP
            'LISPBRUSH])
```

(**READCOURIERNUMBER**
```
  [LAMBDA (STREAM PROGRAM TYPE)                              (* cdl "13-Oct-85 12:50")
                                                            (* DECLARATIONS%: (RECORD ITEM
                                                            (TYPENAME VALUE)))

    (with ITEM (COURIER.READ STREAM 'INTERLISP 'LISPNUMBER)
        (SELECTQ TYPENAME
            (NIL NIL)
            (NUMBERP VALUE)
            (SHOULDNT])
```

(**WRITECOURIERNUMBER**
```
  [LAMBDA (STREAM ITEM PROGRAM TYPE)                         (* cdl "13-Oct-85 13:31")
```

```
        (COURIER.WRITE STREAM (if (NULL ITEM)
                                   then '(NIL 0)
                                elseif (NUMBERP ITEM)
                                   then (LIST 'NUMBERP ITEM)
                                   else (SHOULDNT))
              'INTERLISP
              'LISPNUMBER])
```

⟨**READCOURIERPOSITION**
```
  [LAMBDA (STREAM PROGRAM TYPE)                                        (* cdl "21-Nov-85 18:47")
    (create POSITION
            XCOORD _ (COURIER.READ STREAM PROGRAM 'NUMBER)
            YCOORD _ (COURIER.READ STREAM PROGRAM 'NUMBER])
```

⟨**WRITECOURIERPOSITION**
```
  [LAMBDA (STREAM ITEM PROGRAM TYPE)                                   (* cdl "21-Nov-85 18:46")
    (with POSITION ITEM (COURIER.WRITE STREAM XCOORD PROGRAM 'NUMBER)
          (COURIER.WRITE STREAM YCOORD PROGRAM 'NUMBER])
```

⟨**READCOURIERTEXTURE**
```
  [LAMBDA (STREAM PROGRAM TYPE)                                        ; Edited 15-Sep-87 11:18 by cdl
    (LOGOR (LLSH (BIN STREAM)
                 BITSPERBYTE)
           (BIN STREAM])
```

⟨**WRITECOURIERTEXTURE**
```
  [LAMBDA (STREAM SHADE PROGRAM TYPE)                                  ; Edited 15-Sep-87 11:22 by cdl
    (SETQ SHADE (SELECTQ SHADE
                    (T BLACKSHADE)
                    (NIL WHITESHADE)
                    (if (NUMBERP SHADE)
                        then SHADE
                      else BLACKSHADE)))
    (BOUT STREAM (LRSH SHADE BITSPERBYTE))
    (BOUT STREAM (LOGAND SHADE (MASK.1'S 0 BITSPERBYTE]
```

)

```
(PUTPROPS ATOM COURIERDEF (READCOURIERATOM COURIER.WRITE.STRING))

(PUTPROPS BRUSH COURIERDEF (READCOURIERBRUSH WRITECOURIERBRUSH))

(PUTPROPS FONT COURIERDEF (READCOURIERFONT WRITECOURIERFONT))

(PUTPROPS NUMBER COURIERDEF (READCOURIERNUMBER WRITECOURIERNUMBER))

(PUTPROPS POSITION COURIERDEF (READCOURIERPOSITION WRITECOURIERPOSITION))

(PUTPROPS TEXTURE COURIERDEF (READCOURIERTEXTURE WRITECOURIERTEXTURE))

(COURIERPROGRAM INTERLISP (1100 0)
    TYPES
      [(REGION (SEQUENCE INTEGER))
       (FONTRECORD (RECORD (FAMILY ATOM)
                           (SIZE CARDINAL)
                           (FACE FONTFACE)
                           (ROTATION NUMBER)
                           (DEVICE ATOM)))
       [FONTFACE (RECORD (WEIGHT (ENUMERATION (LIGHT 0)
                                              (MEDIUM 1)
                                              (BOLD 2)))
                         (SLOPE (ENUMERATION (REGULAR 0)
                                             (ITALIC 1)))
                         (EXPANSION (ENUMERATION (REGULAR 0)
                                                 (COMPRESSED 1)
                                                 (EXPANDED 2]
       (OPERATION (ENUMERATION (NIL 0)
                               (REPLACE 1)
                               (PAINT 2)
                               (INVERT 3)
                               (ERASE 4)))
       (LISPNUMBER (CHOICE (NIL 0 UNSPECIFIED)
                           (NUMBERP 1 INTEGER)))
       (LISPBRUSH (CHOICE (NIL 0 UNSPECIFIED)
                          (NUMBERP 1 CARDINAL)
                          (BRUSH 2 (RECORD (BRUSHSHAPE ATOM)
                                           (BRUSHSIZE NUMBER)
                                           (BRUSHCOLOR NUMBER]
    PROCEDURES
      NIL
    ERRORS
      NIL)
```

(PUTPROPS **COURIERDEFS COPYRIGHT** ("Xerox Corporation & Stanford University" 1985 1986 1987 1988))

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