

File created: 16-May-90 13:33:00 {DSK}<usr>local>lde>lispcore>sources>CMLMISCIO.;2

changes to: (VARS CMLMISCIOCOMS)

previous date: 3-Feb-88 10:31:05 {DSK}<usr>local>lde>lispcore>sources>CMLMISCIO.;1

Read Table: XCL

Package: INTERLISP

Format: XCCS

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```
(RPAQQ CMLMISCIOCOMS ( ;; Random leftover IO functions
                      ;; [JDS 2/3/88: Removed FRESH-LINE from here, since it's also in CMLPRINT. AR #9601]
                      (FUNCTIONS CL:WRITE-STRING WRITE-STRING* CL:Y-OR-N-P CL:YES-OR-NO-P)
                      ;; Arrange to use the proper compiler
                      (PROP FILETYPE CMLMISCIO)))
```

;; Random leftover IO functions

;; [JDS 2/3/88: Removed FRESH-LINE from here, since it's also in CMLPRINT. AR #9601]

```
(CL:DEFUN CL:WRITE-STRING (STRING &OPTIONAL (STREAM *STANDARD-OUTPUT*)
                                             &KEY
                                             (CL::START 0)
                                             (CL::END))
  (WRITE-STRING* STRING STREAM CL::START CL::END)
  STRING)
```

```
(CL:DEFUN WRITE-STRING* (STRING &OPTIONAL (STREAM *STANDARD-OUTPUT*)
                                           (START 0)
                                           END &AUX (STRING-LENGTH (CL:LENGTH STRING)))
  (CL:CHECK-TYPE STRING STRING)
  (CL:WHEN (NULL END)
    (SETQ END STRING-LENGTH))
  (CL:ASSERT (AND (<= 0 START STRING-LENGTH)
                 (<= START END STRING-LENGTH))
    ' (START END)
    "Start (~D) or end (~D) argument out of bounds." START END)
```

;; The following comes mainly from \PRINSTRING...

```
(LET ((CHARS-TO-PRINT (- END START))
      (STRM (\\GETSTREAM STREAM 'OUTPUT))
      (\\THISFILELINELENGTH)
      (DECLARE (SPECVARS \\THISFILELINELENGTH))
      (CL:WHEN (CL:PLUSP CHARS-TO-PRINT)
        (.SPACECHECK. STREAM CHARS-TO-PRINT)
        ;; Essentially (for x instring string do (\outchar strm x)).
        (CL:DO ((FATP (|ffetch| (STRINGP FATSTRINGP) |of| STRING))
              (BASE (|ffetch| (STRINGP BASE) |of| STRING))
              (OFFSET (IPLUS START (|ffetch| (STRINGP OFFST) |of| STRING))
                    (ADD1 OFFSET))
              (END (IPLUS END (|ffetch| (STRINGP OFFST) |of| STRING))))
          (>= OFFSET END)
          (\\OUTCHAR STRM (CL:IF FATP
                                (\\GETBASEFAT BASE OFFSET)
                                (\\GETBASETHIN BASE OFFSET))))))
  STRING)
```

```
(CL:DEFUN CL:Y-OR-N-P (&OPTIONAL FORMAT-STRING &REST ARGUMENTS)
  (COND
    (FORMAT-STRING (CL:FRESH-LINE)
      (CL:APPLY (FUNCTION CL:FORMAT)
        *QUERY-IO* FORMAT-STRING ARGUMENTS)))
  (CL:FLET ((CL::READ-CHAR-NOW NIL (RESETFORM (CONTROL T)
      (CL:READ-CHAR *QUERY-IO*)))
    (CL:DO ((CL::RESPONSE (CL::READ-CHAR-NOW)
      (CL::READ-CHAR-NOW)))
      ((OR (CL:CHAR-EQUAL CL::RESPONSE #\Y)
        (CL:CHAR-EQUAL CL::RESPONSE #\N))
        (CL:FRESH-LINE)
        (CL:CHAR-EQUAL CL::RESPONSE #\Y)
        (CL:FORMAT *QUERY-IO* "~&Please type either Y or N: "))))))
```

```
(CL:DEFUN CL:YES-OR-NO-P (&OPTIONAL CL::FORMAT-STRING &REST CL::ARGUMENTS)
  (CL:WHEN CL::FORMAT-STRING
    (CL:FRESH-LINE *QUERY-IO*)
    (CL:APPLY #'CL:FORMAT *QUERY-IO* CL::FORMAT-STRING CL::ARGUMENTS))
```

```
(CL:DO ((CL::RESPONSE (CL:READ-LINE *QUERY-IO*)
  (CL:READ-LINE *QUERY-IO*)))
  ((OR (STRING-EQUAL CL::RESPONSE "YES")
    (STRING-EQUAL CL::RESPONSE "NO"))
  (STRING-EQUAL CL::RESPONSE "YES"))
  (CL:FORMAT *QUERY-IO* "Please type either YES or NO: "))
```

:: Arrange to use the proper compiler

```
(PUTPROPS CMLMISCIO FILETYPE CL:COMPILE-FILE)
```

```
(PUTPROPS CMLMISCIO COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1988 1990))
```

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**FUNCTION INDEX**

CL:WRITE-STRING .....1    WRITE-STRING\* .....1    CL:Y-OR-N-P .....1    CL:YES-OR-NO-P .....1

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**PROPERTY INDEX**

CMLMISCIO .....2

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