

File created: 16-May-90 12:03:44 {DSK}<usr>local>lde>lispcore>sources>ARGLIST.;

changes to: (VARS ARGLISTCOMS)

previous date: 3-Dec-86 22:19:56 {DSK}<usr>local>lde>lispcore>sources>ARGLIST.;

Read Table: XCL

Package: INTERLISP

Format: XCCS

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(RPAQQ ARGLISTCOMS ((FNS PRINT-ARGLIST)))

(DEFINEQ

PRINT-ARGLIST

(LAMBDA (ARGS ACTUALS FILE LEFT)
(PROG (TYPE REMARGS)
(OR LEFT (SETQ LEFT 0))

; Edited 25-Nov-86 16:16 by Imm

;; Prints args to fn, matching up with ACTUALS, if supplied. Do this in a way that lets us keep track of where we are

```
(|if| (AND ARGS (NLISTP ARGS))  
      |then| (SETQ ARGS (LIST '&NREST ARGS)))  
(COND  
  (ACTUALS (COND  
    ((CDR ACTUALS)  
     (TAB 0 0 FILE)  
     (T (PRIN1 " " FILE)))  
    (|bind| MODE |while| ACTUALS  
     |do| (COND  
       ((NULL ARGS)  
        (TAB 0 0 FILE)  
        (PRIN1 "...+" FILE))  
       ((NLISTP ARGS)  
        (TAB 0 0 FILE)  
        (PRIN1 " . " FILE)  
        (PRIN2 ARGS FILE)  
        (SETQ ARGS))  
       (T (SELECTQ (CAR ARGS)  
                  ((&REST &BODY)  
                   (TAB 0 0 FILE)  
                   (PRIN2 (|pop| ARGS)  
                           FILE)  
                   (PRIN1 " " FILE)  
                   (PRIN2 (|pop| ARGS)  
                           FILE)  
                   (PROGN (TAB 15 1 FILE)  
                           (PRIN1 "= " FILE))  
                   (PRIN2 ACTUALS FILE)  
                   (SETQ ACTUALS)  
                   (TERPRI FILE)  
                   (RETURN))  
                  (&REST (TAB 0 0 FILE)  
                           (PRIN1 ". " FILE)  
                           (PRIN2 (|pop| ARGS)  
                                   FILE)  
                           (PROGN (TAB 15 1 FILE)  
                                   (PRIN1 "= " FILE))  
                           (PRIN2 ACTUALS FILE)  
                           (SETQ ACTUALS)  
                           (TERPRI FILE)  
                           (RETURN))  
                  (&ALLOW-OTHER-KEYS  
                   (SPACES 1 FILE)  
                   (PRIN2 (|pop| ARGS)  
                           FILE)  
                   (TERPRI FILE)  
                   (GO $$ITERATE))  
                  (&OPTIONAL (PRIN2 (SETQ MODE (|pop| ARGS))  
                                   FILE)  
                               (PRIN1 " " FILE)  
                               (PRIN2 (|pop| ARGS)  
                                       FILE))  
                  (&KEY (|while| ARGS |do| (PRIN1 " " FILE)  
                          (PRIN2 (|pop| ARGS)  
                                  FILE))  
                   (|while| ACTUALS |do| (PROGN (TAB 15 1 FILE)  
                                                (PRIN1 "= " FILE))  
                                           (PRIN2 (|pop| ACTUALS)  
                                                   FILE)  
                                           (PRIN1 " " FILE)  
                                           (PRIN2 (|pop| ACTUALS)  
                                                   FILE)  
                                           (TERPRI FILE))  
                   (RETURN))
```

```
          (PRIN2 (|pop| ARGS)
              FILE)))
    (PROGN (TAB 15 1 FILE)
          (PRIN1 "= " FILE))
    (PRIN2 (CAR ACTUALS)
          FILE)
    (SETQ ACTUALS (CDR ACTUALS))
    (TERPRI FILE)))
  (|while| ARGS |do| (PRIN2 (|pop| ARGS)
                          FILE)
                    (AND ARGS (PRIN1 " " FILE))))))
```

```
)
(PUTPROPS ARGLIST COPYRIGHT ("Venue & Xerox Corporation" 1986 1990))
```

FUNCTION INDEX

PRINT-ARGLIST1
