

File created: 11-Dec-87 13:33:22 {DSK}<XAVIER>COMMENTHACKS.;7

changes to: (FNS MYSUPERPRINT/COMMENT2 MYSUPERPRINT/COMMENT EDITDEF.FUNCTIONS FIXDEFUNEDITDATE COMMENT2  
MYEDITDATE? EDITDATE?)  
(VARS COMMENTHACKSCOMS)  
(FUNCTIONS FOOFUNCTIONS)  
(PROPS (COMMENTHACKS MAKEFILE-ENVIRONMENT))

previous date: 10-Dec-87 10:58:48 {DSK}<XAVIER>COMMENTHACKS.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

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#### (RPAQQ COMMENTHACKSCOMS

```
((FNS EDITDEF.FUNCTIONS FIXDEFUNEDITDATE MYEDITDATE? MYSUPERPRINT/COMMENT MYSUPERPRINT/COMMENT2)
(P (MOVD 'MYEDITDATE? 'EDITDATE?)
(MOVD 'MYSUPERPRINT/COMMENT 'SUPERPRINT/COMMENT))
(PROP EDITDEF FUNCTIONS)
(PROP (MAKEFILE-ENVIRONMENT FILETYPE)
COMMENTHACKS)
(EDITHIST COMMENTHACKS)))
```

(DEFINEQ

#### (EDITDEF.FUNCTIONS

```
[LAMBDA (NAME TYPE SOURCE EDITCOMS OPTIONS) ; Edited 10-Dec-87 10:37 by DJVB
(LET [(DEF (GETDEF NAME TYPE SOURCE ' (EDIT NOCOPY)
(SETQ RETRY NIL)
(EDITE DEF EDITCOMS NAME TYPE [FUNCTION (LAMBDA (NAME DEF TYPE EXITFLG)
(MARKASCHANGED NAME TYPE 'CHANGED)
(FIXDEFUNEDITDATE DEF)
(PUTDEF NAME TYPE DEF]
OPTIONS) ; AND SAY WE EDITED IT
T])
```

#### (FIXDEFUNEDITDATE

```
[LAMBDA (EXPR) ; Edited 10-Dec-87 10:42 by DJVB
;; Inserts or replaces previous edit date in a (DEFUN f (args) (DECLARE --)... "doc string" EDITDATE body
(AND INITIALS (LISTP EXPR)
(FMEMB (CAR EXPR)
'(CL:DEFUN DEFMACRO))
(LISTP (CDDR EXPR))
(PROG ((E (CDDDR EXPR)))
RETRY
(COND
((NLISTP E)
(RETURN))
((LISTP (CAR E))
(SELECTQ (CAAR E)
((DECLARE)
(SETQ E (CDR E))
(GO RETRY)))
(BREAK1 (COND
((EQ (CAR (CADAR E))
'PROGN)
(SETQ E (CDR (CADAR E)))
(GO RETRY))))
(ADV-PROG (RETURN))
NIL))
((STRINGP (CAR E)) ; DOC STRING
(SETQ E (CDR E))
(GO RETRY)))
(COND
((AND (LISTP (CDR E))
(EDITDATE? (CAR E)))
(/RPLACA E (EDITDATE (CAR E)
INITIALS)))
(T (/ATTACH (EDITDATE NIL INITIALS)
E)))
(RETURN EXPR])
```

#### (MYEDITDATE?

```
[LAMBDA (COMMENT) ; Edited 10-Dec-87 13:50 by DJVB
(AND *REPLACE-OLD-EDIT-DATES* (LISTP COMMENT)
(SUPERPRINTEQ (CAR COMMENT)
COMMENTFLG)
```

```

(LISTP (CDR COMMENT))
(LISTP (CDDR COMMENT))
(NULL (CDDDR COMMENT))
(STRINGP (CADDR COMMENT))
(LET ((C2 (CADR COMMENT)))
  (AND (NOT (SUPERPRINTEQ C2 COMMENTFLG))
    (OR (EQ C2 INITIALS)
      (COND
        [(LITATOM C2)
         (COND
           [(EQ C2 ';)
            (AND (STRPOS "Edited " (CADDR COMMENT)
              1 NIL T)
              (GREATERP (CL:LENGTH (CADDR COMMENT))
                (CONSTANT (CL:LENGTH "Edited 01-jan-86 00:00 by X")
              (T (NOT (for PC from 1 to (NCHARS C2) always (EQ (NTHCHARCODE C2 PC)
                (CHARCODE ;])
              (T (AND (STRINGP C2)
                (IGREATERP 12 (NCHARS C2))

```

(MYSUPERPRINT/COMMENT

; Edited 11-Dec-87 13:32 by DJVB

```

[LAMBDA (L FILE)
  (COND
    ((AND **COMMENT**FLG (NOT FILEFLG)
      (NOT MAKEMAP))
     (AND (GREATERP (PLUS (DSPXPOSITION NIL FILE)
       (STRINGWIDTH **COMMENT**FLG FILE))
       (DSPRIGHTMARGIN NIL FILE))
      (PRINENDLINE 0 FILE))
     (PRINIS **COMMENT**FLG NIL FILE))
    (T (LET (COMMENT-LMARGIN COMMENT-RMARGIN RIGHTFLG FLUSH-LEFTP SEMIP BODY)
      (DECLARE (SPECVARS RIGHTFLG))
      [SETQ RIGHTFLG (NOT (if (SUPERPRINTEQ (CADR L)
        COMMENTFLG)
          elseif (SETQ SEMIP (SEMI-COLON-COMMENT-P L))
            then (NEQ SEMIP 1)
          else (GREATERP (LENGTH L)
            10))
        (RIGHTFLG (SETQ COMMENT-LMARGIN (OR COMMENTCOL (SUPERPRINT/COMMENT1 L RMARGIN FILE)))
          (SETQ COMMENT-RMARGIN RMARGIN))
        ((AND (EQ SEMIP 3)
          (NOT MAKEMAP))
         (SETQ COMMENT-LMARGIN 0)
         (SETQ COMMENT-RMARGIN RMARGIN))
        (T (SETQ COMMENT-LMARGIN (FIXR (TIMES RMARGIN 0.1)))
          (SETQ COMMENT-RMARGIN (DIFFERENCE RMARGIN COMMENT-LMARGIN))
          (CL:IF (EQ COMMENT-LMARGIN (DSPXPOSITION NIL FILE))
            (SETQ RIGHTFLG T)
            (CL:IF (GREATERP (DSPXPOSITION NIL FILE)
              COMMENT-LMARGIN)
              (PRINENDLINE COMMENT-LMARGIN FILE)
              (DSPXPOSITION COMMENT-LMARGIN FILE))
            (OR RIGHTFLG (PRINENDLINE COMMENT-LMARGIN FILE))
            (SETFONT (PROG1 (SETFONT COMMENTFONT FILE)
              (CL:IF (AND SEMIP (NOT MAKEMAP)
                [STRINGP (SETQ BODY (CAR (LISTP (CDR (LISTP (CDR L)
                  (NULL (CDDDR L)
                  (OR (IMAGESTREAMP FILE)
                    *PRINT-SEMICOLON-COMMENTS*))
                (PRIN2-LONG-STRING BODY FILE NIL NIL COMMENT-LMARGIN COMMENT-RMARGIN T SEMIP)
                (MYSUPERPRINT/COMMENT2 L COMMENT-LMARGIN (IQUOTIENT (PLUS COMMENT-LMARGIN
                  COMMENT-RMARGIN)
                    2))
                  COMMENT-RMARGIN FILE)))
              FILE)
            (CL:IF (OR (AND SEMIP (NOT MAKEMAP))
              (NOT RIGHTFLG))
              (PRINENDLINE 0 FILE))
            L])

```

(MYSUPERPRINT/COMMENT2

```

[LAMBDA (CMT COMMENT-LMARGIN COMMENT-MIDPOINT COMMENT-RMARGIN FILE SEMIN)
  ; Edited 11-Dec-87 13:31 by DJVB
  ; SEMIN USED IN RECURSIVE CALLS TO PASS DOWN SEMI
  ; LEVEL
  (if (EQ *PRINT-SEMICOLON-COMMENTS* 'ALL)
    then ;; Print comment between given margins. Use 2 semis if (* * --) or (* --) over 10 long, otherwise use one semi.
      (LET* ((SEMI (OR SEMIN (if (OR (AND (SUPERPRINTEQ (CADR CMT)
        COMMENTFLG)
        (SETQ CMT (CDR CMT)))
        (GREATERP (LENGTH CMT)
          10))
        then 2

```

```

      else 1)))
    (SEMIS (if (EQ SEMI 2)
              then ";;"
              else ";"))
    (OR SEMIN (SETQ CMT (CDR CMT))) ; IF TOP LEVEL, SKIP *
    (SETQ FILE (\GETSTREAM FILE 'OUTPUT))
    (AND (EQ (DSPXPOSITION NIL FILE)
             COMMENT-LMARGIN)
         (PRINOPEN TAIL SEMIS FILE)) ; does PRIN3, but only do if still at left
    (for TAIL on CMT bind LASTITEM THISITEM finally (if TAIL
                                                         then (PRINDOTP TAIL FILE))
      do (SETQ THISITEM (CAR TAIL))
        [if (OR (EQ LASTITEM '-')
                (AND (GEQ (DSPXPOSITION NIL FILE)
                          COMMENT-MIDPOINT)
                     (NOT (LISTP THISITEM))
                     (LITATOM LASTITEM)
                     (SELCHARQ (NTHCHARCODE LASTITEM -1)
                                ( ; %. -)
                                T)
                     NIL))
            then (PRINENDLINE COMMENT-LMARGIN FILE)
              (PRINOPEN TAIL SEMIS FILE)
            else (if [AND (NEQ CMT TAIL)
                          (OR (LISTP LASTITEM)
                              (NOT (MEMB THISITEM '(% . % , ; %:]))
                          then (SUPERPRINT/SPACE FILE))
                (OR (LISTP THISITEM)
                    (STRINGP THISITEM)
                    (if (GEQ (PLUS (DSPXPOSITION NIL FILE)
                                   (STRINGWIDTH THISITEM (OR FILE *STANDARD-OUTPUT*)
                                                             T)
                                   (STRINGWIDTH (if (CDR TAIL)
                                                    then ""
                                                    else ")))
                            (OR FILE *STANDARD-OUTPUT*))
                        COMMENT-RMARGIN)
                    then (PRINENDLINE COMMENT-LMARGIN FILE)
                      (PRINOPEN TAIL SEMIS FILE]
              (SETQ LASTITEM THISITEM)
              (if (LISTP LASTITEM)
                  then (MYSUPERPRINT/COMMENT2 LASTITEM COMMENT-LMARGIN COMMENT-MIDPOINT
                                               COMMENT-RMARGIN FILE SEMI)
                  elseif (STRINGP LASTITEM)
                  then (PRIN2-LONG-STRING LASTITEM FILE NIL TAIL COMMENT-LMARGIN COMMENT-RMARGIN T
                                               SEMI)
                  else (PRIN2S LASTITEM TAIL FILE))) ; IN CASE MAKING MAP
              (PRINSHUT TAIL NIL FILE) ; AND FORCE NEWLINE IN MYSUPERPRINT/COMMENT
    (SETQ RIGHTFLG NIL) ; Do it the old way as (* --)
  else (SUPERPRINT/COMMENT2 CMT COMMENT-LMARGIN COMMENT-MIDPOINT COMMENT-RMARGIN FILE])
)
(MOVD 'MYEDITDATE? 'EDITDATE?)
(MOVD 'MYSUPERPRINT/COMMENT 'SUPERPRINT/COMMENT)
(PUTPROPS FUNCTIONS EDITDEF EDITDEF.FUNCTIONS)
(PUTPROPS COMMENTHACKS MAKEFILE-ENVIRONMENT (:READTABLE "INTERLISP" :PACKAGE "INTERLISP"))
(PUTPROPS COMMENTHACKS FILETYPE :TCOMPL)
(DECLARE%: DONTCOPY)
(ADDTOVAR EDITHISTALIST
  (COMMENTHACKS ("10-Dec-87 10:59:27" DJVB {DSK}<XAVIER>COMMENTHACKS.;1 (COMMENT2 EDITDATE? MYEDITDATE?
                                                                    MYSUPERPRINT/COMMENT
                                                                    EDITDEF.FUNCTIONS
                                                                    FIXDEFUNEDITDATE))
    ("10-Dec-87 17:09:35" DJVB {DSK}<XAVIER>COMMENTHACKS.;3 (MYSUPERPRINT/COMMENT COMMENT2
                                                                    MYSUPERPRINT/COMMENT2
                                                                    MYEDITDATE?)
    (STUFF TO GET EDITDATE INTO FUNCTIONS AND PRINT SEMICOLON COMMENTS FOR EVERYTHING))
    ("11-Dec-87 12:49:30" DJVB {DSK}<XAVIER>COMMENTHACKS.;4 (MYSUPERPRINT/COMMENT2))
    ("11-Dec-87 12:52:55" DJVB {DSK}<XAVIER>COMMENTHACKS.;6 (EDITDEF.FUNCTIONS FIXDEFUNEDITDATE)
    (FIXED DETAILS))
    ("11-Dec-87 13:33:43" DJVB {DSK}<XAVIER>COMMENTHACKS.;7 (MYSUPERPRINT/COMMENT2
                                                                    MYSUPERPRINT/COMMENT)
    (FIXING DETAILS))))
)
(PUTPROPS COMMENTHACKS COPYRIGHT ("Unisys Corp." 1987))

```

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