

File created: 27-Jul-90 07:56:00 {DSK}<usr>local>lde>loops>src>SYSTEM>LOOPS-TTYEDIT.;2

changes to: (VARS LOOPS-TTYEDITCOMS)

previous date: 18-Jun-87 15:30:08 {DSK}<usr>local>lde>loops>src>SYSTEM>LOOPS-TTYEDIT.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

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(RPAQQ **LOOPS-TTYEDITCOMS**

```
(( * * Define some TTY editor macros for dealing with Loops)
( * * Make the editor GETD understand LAMB DATRANS forms)
(FNS \Edit-GETDEF \Edit-Convert-LambdaTrans)
(P (CHANGENAME 'EDITGETD 'GETDEF '\Edit-GETDEF))
( * * Editor macros)
(FNS \Edit-Method \Edit-Get-Method \Edit-Get-Class-For-Selector \Edit-Get-Selector-From-Form)
(USERMACROS EDITM GETM INSPECT))
```

(* * Define some TTY editor macros for dealing with Loops)

(* * Make the editor GETD understand LAMB DATRANS forms)

(DEFINEQ

(\Edit-GETDEF

[LAMBDA (name type source options)

; Edited 17-Jun-87 16:32 by smL

::: Just like GETDEF

(GETDEF name type source options])

(\Edit-Convert-LambdaTrans

[LAMBDA (lambdaForm)

(* smL "18-Aug-86 18:23")

(* * Convert a fn def to a standard LAMBDA expression)

(**DECLARE** (GLOBALVARS LAMB DATRANFNS))

(LET ((lambdaTransFns (ASSOC (CAR lambdaForm)
LAMB DATRANFNS)))

(if lambdaTransFns
then (\Edit-Convert-LambdaTrans (APPLY* (CADR lambdaTransFns)
lambdaForm))
else lambdaForm])

)

(CHANGENAME 'EDITGETD 'GETDEF '\Edit-GETDEF)

(* * Editor macros)

(DEFINEQ

(\Edit-Method

[LAMBDA (form className)

(* smL "20-Aug-86 13:22")

(* * Edit the method given in the form)

(LET ((class (if (NULL className)
then (\Edit-Get-Class-For-Selector form)
elseif (NULL (GetClassRec className))
then NIL
else className)))

(if class
then (_ (GetClassRec class)
EditMethod
(\Edit-Get-Selector-From-Form form)
NIL])

(\Edit-Get-Method

[LAMBDA (msgBody className)

(* smL "20-Aug-86 13:27")

(* * Get an implementation of the msg form)

(LET ((selector (\Edit-Get-Selector-From-Form msgBody))
(class (if (NULL className)
then (\Edit-Get-Class-For-Selector msgBody)

```

      elseif (NULL (GetClassRec className))
        then NIL
      else className)))
  (if class
    then `,(FetchMethod ($! class)
              selector)
          ,(CADR msgBody)
          ,@(CDDDR msgBody])

```

(\Edit-Get-Class-For-Selector

[LAMBDA (form)

(* smL "18-Aug-86 12:57")

(** Prompt the user for the class to use when processing the given form -
form is either a selector or a message send form -
Return the class name, or NIL if no class is picked.)

```

(LET* [(selector (\Edit-Get-Selector-From-Form form))
      (classes (if selector
                  then (RESETFORM (CURSOR WAITINGCURSOR)
                                   (SORT (for class in (_ ($ Class)
                                                         AllInstances!)
                                           when (_ class ListAttribute 'Method selector)
                                               collect (_ class ClassName)
                  )
            (if classes
              then (MENU (create MENU
                           ITEMS _ classes
                           TITLE _ (CONCAT "Class for method " selector)
                           CENTERFLG _ T])

```

(\Edit-Get-Selector-From-Form

[LAMBDA (form)

(* smL "18-Aug-86 12:40")

(** Get the selector from the form -
form is either a LITATOM {in which case it is the selector} or a message send form.)

```

(if (ATOM form)
  then form
  elseif (MEMB (CAR form)
              '(_ _Super
                _SuperFringe
                _Proto
                _New
                _Process))
  then (CADDR form)
  else (printout PROMPTWINDOW T "Not a message form!" T))
)

```

(ADDTOVAR USERMACROS

```

  (GETM (className)
    (BIND (E (SETQ %#1 (%##))
            T)
          (E (SETQ %#2 (if (LISTP %#1)
                          then
                            (\Edit-Get-Method %#1 'className)
                          else NIL))
            T)
          (IF %#2 ((I %: %#2)))
          GETD))
  [EDITM (className)
    (E (\Edit-Method (%##)
                    'className)
      (GETM NIL (BIND (E (SETQ %#1 (%##))
                        T)
                      (E (SETQ %#2 (if (LISTP %#1)
                                        then
                                          (\Edit-Get-Method %#1 NIL)
                                        else NIL))
                        T)
                    (IF %#2 ((I %: %#2)))
                    GETD))
      (EDITM NIL (E (\Edit-Method (%##)
                                NIL)))
      [INSPECT NIL (E (INSPECT (%##))

```

(ADDTOVAR EDITCOMSA GETM EDITM INSPECT)

(ADDTOVAR EDITCOMSL EDITM GETM)

(PUTPROPS LOOPS-TTYEDIT COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1990))

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