

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 LAMBDATRANS 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 LAMBDATRANS 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 LAMBDATRANFNS))

(LET ((lambdaTransFns (ASSOC (CAR lambdaForm)  
LAMBDATRANFNS)))

```
(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)
    , (CADDR msgBody)
    , @ (CADDR 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 &amp; Xerox Corporation" 1986 1987 1990))

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