

File created: 16-May-90 14:47:55 {DSK}<usr>local>lde>lispcore>sources>CMLSMBOL.;2

changes to: (VARS CMLSMBOLCOMS)

previous date: 23-Mar-87 16:05:27 {DSK}<usr>local>lde>lispcore>sources>CMLSMBOL.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

::
:: Copyright (c) 1986, 1987, 1990 by Venue & Xerox Corporation. All rights reserved.

```
(RPAQQ CMLSMBOLCOMS ( ;; Latter part of the symbol functions. The rest are in LLSYMBOL
                        (OPTIMIZERS GET CL:GETF CL:SYMBOL-PLIST)
                        (SETFS GET CL:SYMBOL-PLIST CL:SYMBOL-VALUE CL:SYMBOL-FUNCTION)
                        (FUNCTIONS %%SET-GET)
                        (PROP FILETYPE CMLSMBOL)))
```

:: Latter part of the symbol functions. The rest are in LLSYMBOL

```
(DEFOPTIMIZER GET (CL:SYMBOL INDICATOR &REST TAIL)
                  `(CL:GETF (CL:SYMBOL-PLIST ,CL:SYMBOL)
                           ,INDICATOR
                           ,@TAIL))
```

```
(DEFOPTIMIZER CL:GETF (PLACE INDICATOR &OPTIONAL DEFAULT)
                    [COND
                     (DEFAULT 'IGNOREMACRO)
                     (T `(LISTGET ,PLACE ,INDICATOR])
```

```
(DEFOPTIMIZER CL:SYMBOL-PLIST (CL:SYMBOL)
              `(GETPROPLIST ,CL:SYMBOL))
```

```
(CL:DEFSETF GET %%SET-GET)
```

```
(CL:DEFSETF CL:SYMBOL-PLIST SETPROPLIST)
```

```
(CL:DEFSETF CL:SYMBOL-VALUE SET)
```

```
(CL:DEFSETF CL:SYMBOL-FUNCTION SETF-SYMBOL-FUNCTION)
```

```
(DEFMACRO %%SET-GET (SYMBOL INDICATOR NEWVALUE &OPTIONAL EXTRAVALUE)
```

;; SETF-INVERSE for GET. This would be simply PUTPROP if GET had exactly two args. However, if the GET form had optional 3rd arg, it shows
;; up in the NEWVALUE position and the actual new value is EXTRAVALUE

```
`(PUTPROP ,SYMBOL ,INDICATOR , (CL:IF EXTRAVALUE
                                     `(PROGN ,NEWVALUE ,EXTRAVALUE)
                                     NEWVALUE)))
```

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

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

SETF INDEX

GET1 CL:SYMBOL-FUNCTION1 CL:SYMBOL-PLIST1 CL:SYMBOL-VALUE1

OPTIMIZER INDEX

GET1 CL:GETF1 CL:SYMBOL-PLIST1

PROPERTY INDEX

CMLSYPBOL1

MACRO INDEX

%SET-GET1
