

File created: 30-Aug-2020 20:52:22 {DSK}<Users>kaplan>Local>medley3.5>lispcore>lispusers>LISPNERD.;2

changes to: (VARS LISPNERDCOMS LISPNERDDEPENDENCIES)  
(PROPS (LISPNERD DEPENDENCIES))

previous date: 3-Aug-88 16:16:39 {DSK}<Users>kaplan>Local>medley3.5>lispcore>lispusers>LISPNERD.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

#### (RPAQQ LISPNERDCOMS

```
((COMS * LISPNERDDEPENDENCIES)
 (* must come before any FILES)
 (FILES ANALYZER DINFO HELPSYS DICTCLIENT)
 (FNS LISPNERD.INIT IRMNERD.PRINTSEARCH)
 (INITVARS IRMDICT IRMNERD.LASTSEARCH IRMNERD.LASTREQUEST (IRMNERD.MAXWORDS 50))
 (GLOBALVARS IRMDICT IRMNERD.LASTSEARCH IRMNERD.LASTREQUEST IRMNERD.MAXWORDS)
 (FNS IRMDICT.PRINTENTRY)
 (P (LISPNERD.INIT)))
```

#### (RPAQQ LISPNERDDEPENDENCIES

```
[( * * code to make sure that the right versions of everything are loaded. The P must be executed before
 any FILES commands.)
```

```
[E (PUTPROP 'LISPNERD 'DEPENDENCIES (for FILE in (FILECOMSLST 'LISPNERD 'FILES)
 collect
 (CONS FILE (CAAR (GETPROP FILE 'FILEDATES]
```

```
(PROP DEPENDENCIES LISPNERD)
```

```
(P (for FILE FILEDATE in (GETPROP 'LISPNERD 'DEPENDENCIES)
```

```
 do
 [SETQ FILEDATE (CAAR (GETPROP (CAR FILE)
 'FILEDATES]
```

```
(COND ([AND FILEDATE (CDR FILE)
 (ILESSP (IDATE FILEDATE)
 (IDATE (CDR FILE)
```

```
(* clear FILEDATES to force FILESLOAD to reload the file.)
```

```
(PUTPROP (CAR FILE)
 'FILEDATES NIL])
```

```
(* * code to make sure that the right versions of everything are loaded.
 The P must be executed before any FILES commands.)
```

```
(PUTPROPS LISPNERD DEPENDENCIES ((ANALYZER . " 9-Mar-89 15:24:58")
 (DINFO . " 1-Oct-87 10:11:04")
 (HELPSYS . " 1-Oct-87 13:40:16")
 (DICTCLIENT)))
```

```
[for FILE FILEDATE in (GETPROP 'LISPNERD 'DEPENDENCIES) do [SETQ FILEDATE (CAAR (GETPROP (CAR FILE)
 'FILEDATES]
```

```
(COND
```

```
 ([AND FILEDATE (CDR FILE)
 (ILESSP (IDATE FILEDATE)
 (IDATE (CDR FILE)
```

```
(* clear FILEDATES to force FILESLOAD to reload the file.)
```

```
(PUTPROP (CAR FILE)
 'FILEDATES NIL])
```

```
(* * must come before any FILES)
```

```
(FILESLOAD ANALYZER DINFO HELPSYS DICTCLIENT)
```

```
(DEFINEQ
```

#### (LISPNERD.INIT

```
[LAMBDA NIL
```

```
(COND
```

```
((NULL IRMDICT)
```

```
[Dict.Establish (SETQ IRMDICT (create Dict
```

```
 dictName _ 'IRMDict
```

```
 printEntryFn _ (FUNCTION IRMDICT.PRINTENTRY]
```

```
(PUTASSOC 'Search% IRM ' (IRMNERD.PRINTSEARCH)
```

```
 "Searches the Interlisp Reference Manual for entries given a list of
 keywords.")
```

```
 BackgroundMenuCommands)
```

```
(SETQ BackgroundMenu NIL])
```

```
(* jtm%: "18-Nov-87 14:36")
```

#### (IRMNERD.PRINTSEARCH

```
[LAMBDA (SYNONYMCLASSES)
 (PROG (VENNDIAGRAM SELECTION MENUITEMS (MINWORD 0)
 (MAXWORD IRMNERD.MAXWORDS))
```

```
[COND
```

```
((NULL SYNONYMCLASSES)
```

```
(CLRSPROMPT)
```

```
(* jtm%: "7-Apr-87 12:33")
```

```

(PROMPTPRINT (CHARACTER (CHARCODE CR)))
(SETQ SYNONYMCLASSES (PROMPTFORWARD "keywords to search on:" IRMNERD.LASTREQUEST NIL PROMPTWINDOW
                                     NIL NIL (CHARCODE EOL ESCAPE LF)))
(COND
  ((NULL SYNONYMCLASSES)
   (PROMPTPRINT "Aborted")
   (RETURN))
  (T (CLRSPROMPT)))
(COND
  ((NOT (STREQUAL SYNONYMCLASSES IRMNERD.LASTREQUEST))
   (SETQ IRMNERD.LASTREQUEST SYNONYMCLASSES)
   (SETQ IRMNERD.LASTSEARCH NIL)
  [do [SETQ VENNDIAGRAM (COND
                        ((AND IRMNERD.LASTSEARCH (EQ MINWORD 0))
                         IRMNERD.LASTSEARCH)
                        (T (PROMPTPRINT "
                             Searching . . . ")
                           (DICTCLIENT.SEARCHFORWARD SYNONYMCLASSES 2 MINWORD MAXWORD 'IRMNerd]
   (COND
     ((EQ MINWORD 0)
      (SETQ IRMNERD.LASTSEARCH VENNDIAGRAM)))
     (* cache the results in case the use calls again.)
  [COND
    ((NULL VENNDIAGRAM)
     (PROMPTPRINT "Sorry, no results.")
     (FLASHWINDOW PROMPTWINDOW)
     (RETURN))
    ((NULL (CDR VENNDIAGRAM))
     (SETQ MENUITEMS (CADAR VENNDIAGRAM)))
    (T (SETQ MENUITEMS (for SET in VENNDIAGRAM
                       collect (LIST [CONCATLIST (for ELEMENT on (CAR SET)
                                                collect (COND
                                                          ((CDR ELEMENT)
                                                           (CONCAT (CAR ELEMENT)
                                                                " ")))
                                                          (T (CAR ELEMENT)
                                                           (LIST 'QUOTE (CAR SET))
                                                           NIL
                                                           (CONS 'SUBITEMS (CADR SET)
                                                           (CLRSPROMPT)
(SETQ SELECTION (MENU (create MENU
                           TITLE _ "IRM Entries"
                           ITEMS _ MENUITEMS
                           CENTERFLG _ T)))
(COND
  ((NULL SELECTION)
   (PROMPTPRINT "
    No selection made.")
   (RETURN))
  ((LISTP SELECTION)
   [for TAIL CLASSNAME on SELECTION do (COND
                                         ((EQ (NTHCHARCODE (CAR TAIL)
                                                -1)
                                          (CHARCODE +))
                                          (SETQ CLASSNAME (SUBSTRING (CAR TAIL)
                                                                    1 -2))
                                          (RPLACA TAIL (for CLASS in SYNONYMCLASSES
                                                            thereis (STREQUAL (CAR CLASS)
                                                                    CLASSNAME]
                                         (SETQ SYNONYMCLASSES SELECTION)
                                         (PROMPTPRINT "Seaching for: " SYNONYMCLASSES)
                                         (SETQ MINWORD 0)
                                         (SETQ MAXWORD IRMNERD.MAXWORDS))
                                         ((AND (EQ 1 (STRPOS ". . .+" SELECTION))
                                          (STRPOS "more" SELECTION))
                                          (* the user asked for the next chunk.)
                                         (SETQ MINWORD (ADD1 MAXWORD))
                                         (SETQ MAXWORD (IPLUS MAXWORD IRMNERD.MAXWORDS)))
                                         ((EQ 1 (STRPOS "No more" SELECTION))
                                          (RETURN))
                                         (T (PROMPTPRINT "
                                             Fetching definition . . . ")
                                              (IRMDICT.PRINTENTRY NIL SELECTION)
                                              (CLRSPROMPT)
                                              (RETURN]
                                         (RETURN T])
)
(RPAQ? IRMDICT NIL)
(RPAQ? IRMNERD.LASTSEARCH NIL)
(RPAQ? IRMNERD.LASTREQUEST NIL)
(RPAQ? IRMNERD.MAXWORDS 50)
(DECLARE%: DOEVAL@COMPILE DONTCOPY

```

```
{MEDLEY}<obsolete>lispusers>LISPNERD.;1
```

```
(GLOBALVARS IRMDICT IRMNERD.LASTSEARCH IRMNERD.LASTREQUEST IRMNERD.MAXWORDS)  
)
```

```
(DEFINEQ
```

```
(IRMDICT.PRINTENTRY
```

```
; Edited 25-Jan-88 11:10 by jtm:
```

```
[LAMBDA (DICT LEMMA)  
  (LET (FIRSTCHAR SECTION# GRAPH NODE)  
    (SETQ FIRSTCHAR (NTHCHAR LEMMA 1))  
    [COND  
      ((NUMBERP FIRSTCHAR)  
       [SETQ SECTION# (SUBSTRING LEMMA 1 (SUB1 (OR (STRPOS " " LEMMA)  
                                                    0])  
       [COND  
         ((EQ (NTHCHARCODE SECTION# -1)  
              (CHARCODE %.)  
              (* sometimes there is a trailing period.)  
          (SETQ SECTION# (SUBSTRING SECTION# 1 -2])  
          [for I from 1 to (NCHARS SECTION#) do (COND  
            ((EQ (NTHCHARCODE SECTION# I)  
                 (CHARCODE %.)  
                 (* DINFO uses dashes instead of periods)  
            (RPLCHARCODE SECTION# I (CHARCODE -])  
          (SETQ SECTION# (MKATOM SECTION#))  
          (SETQ GRAPH (GETWINDOWUSERPROP DINFO 'CURRENT.GRAPH))  
          [COND  
            ((NULL GRAPH)  
             (DINFO.INIT)  
             (SETQ GRAPH (GETWINDOWUSERPROP DINFO 'CURRENT.GRAPH])  
            (SETQ NODE (FASSOC SECTION# (fetch (DINFOGRAPH NODELST) of GRAPH)))  
            (AND NODE (DINFO.UPDATE NODE)))  
          (T (IRM.SMART.LOOKUP (SUBSTRING LEMMA (COND  
                                ((EQ FIRSTCHAR '%()  
                                   2)  
                                (T 1))  
                                (SUB1 (OR (STRPOS " " LEMMA)  
                                        0])  
                                0])  
          T])  
    )  
(LISPNERD.INIT)
```

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**FUNCTION INDEX**

IRMDICT.PRINTENTRY .....3    IRMNERD.PRINTSEARCH .....1    LISPNERD.INIT .....1

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**VARIABLE INDEX**

IRMDICT .....2    IRMNERD.LASTSEARCH .....2    LISPNERDDEPENDENCIES .....1  
IRMNERD.LASTREQUEST .....2    IRMNERD.MAXWORDS .....2

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**PROPERTY INDEX**

LISPNERD .....1

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