

File created: 15-Aug-91 20:36:15 {DSK}<python>release>loops>2.0>src>LOOPS.;4

changes to: (VARS LOOPSCOMS)

previous date: 15-Aug-91 20:24:40 {DSK}<python>release>loops>2.0>src>LOOPS.;3

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

#### (RPAQQ LOOPSCOMS

[;; Loading this file will load all of Loops

(FNS \LOOPSDIR)

[INITVARS (LS-CURRENT-SYSTEM

("Loops" [, (\LOOPSDIR (INPUT)

((DANDELION [EVAL (if (OR (NOT (BOUNDP 'DISPLAYFONTDIRECTORIES))  
 (NULL DISPLAYFONTDIRECTORIES))

then

(CL:BREAK "DISPLAYFONTDIRECTORIES is unset~%%Please (SETQ  
 DISPLAYFONTDIRECTORIES  
 '({your}<displayfont>directory)) and say OK to  
 continue")

else

(CL:FORMAT T "Looking for fonts in ~A~%" (CAR  
 DISPLAYFONTDIRECTORIES  
 ]

[EVAL (if (NOT (for ff in '(5 10 12 14 16 18)

always

(FONTSAVAILABLE 'HELVETICA ff NIL NIL 'DISPLAY T)))

then

(CL:FORMAT T "I need to load some fonts~%%")

(LS-LOAD? 'COPYFILES (IF (EQ MAKESYSNAME :LYRIC)

THEN

'|Lyric Library #1| ELSE

'|Medley Library #2|))

(LS-FLOPPY-PROMPT (IF (EQ MAKESYSNAME :LYRIC)

THEN

,

'|Lyric Display Fonts #7 Presentation/Printwheel 1/5/87|

ELSE

'|Lyric Display Fonts #7 Presentation/Prin|)

)

(COPYFILES '(HELVETICA05\* HELVETICA10\* HELVETICA12\* HELVETICA14\*

HELVETICA16\* HELVETICA18\*

(CAR DISPLAYFONTDIRECTORIES)

'(=A)

[EVAL (LS-LOAD? 'GRAPHER (IF (EQ MAKESYSNAME :LYRIC)

THEN

'|Lyric Library #2| ELSE '|Medley Library #2|]

(|Lyric LOOPS System| (LOOPSDIRECTORY BLOCKLOOKUP.DFASL LOADLOOPS.DFASL

LOOPS-FILEPKG.DFASL LOOPS-TTYEDIT.DFASL LOOPS

LOOPSACCESS.DFASL LOOPSACTIVEVALUES.DFASL

LOOPSBROWSE.DFASL LOOPSDATATYPES.DFASL

LOOPSDEBUG.DFASL LOOPSEEDIT.DFASL

LOOPSINSPECT.DFASL LOOPSKERNEL.DFASL

LOOPSMETHODS.DFASL LOOPSPRINT.DFASL LOOPSSITE

LOOPSSITE.DFASL LOOPSSPEEDUP.DFASL

LOOPSSTRUC.DFASL LOOPSSUID.DFASL

LOOPSUSERINTERFACE.DFASL LOOPSUTILITY.DFASL

LOOPSWINDOW.DFASL LOOPS-INSTALL.DFASL

INSPECT-PATCH.DFASL LOOPS-PATCH.DFASL

MEDLEY-PATCH.DFASL))

(|Lyric LOOPS Library| (LOOPSLIBRARYDIRECTORY GAUGEACTIVE.DFASL

GAUGEALARMS.DFASL GAUGEALPHANUMERICS.DFASL

GAUGEBARS.DFASL GAUGEBOUNDEDMIXIN.DFASL

GAUGEDIALS.DFASL GAUGEDIGIMETER.DFASL

GAUGEDIGISCALE.DFASL GAUGEINSTRUMENTS.DFASL

GAUGELoader.DFASL GAUGEMETERS.DFASL

GAUGES.DFASL GAUGESCALES.DFASL

GAUGESELFSCALEMIXIN.DFASL LOOPSMS.DFASL

LOOPSVCOPY.DFASL MASTERSCOPE.DFASL

MSANALYZE.DFASL MSPARSE.DFASL MSCOMMON.DFASL))

(|Lyric LOOPS Users| (LOOPUSERSDIRECTORY LOOPSBACKWARDS.DFASL

LOOPSMIXIN.DFASL CONVERSION-AIDS.DFASL)

(LOOPUSERSRULESDIRECTORY LOOPSRULES-ROOT.DFASL LOOPSRULES.DFASL

LOOPSRULESBACKWARDS.DFASL LOOPSRULESC.DFASL LOOPSRULESD.DFASL

LOOPSRULESP.DFASL LOOPSRULESTTY.DFASL)))

(DOVE (EVAL (if (OR (NOT (BOUNDP 'DISPLAYFONTDIRECTORIES))

(NULL DISPLAYFONTDIRECTORIES))

then

(CL:BREAK "DISPLAYFONTDIRECTORIES is unset~%%Please (SETQ

DISPLAYFONTDIRECTORIES '({your}<displayfont>directory)) and

say OK to continue")))

[EVAL (if (NOT (for ff in '(5 10 12 14 16 18)

```

                                always
                                (FONTSAVAILABLE 'HELVETICA ff NIL NIL 'DISPLAY T))
then
(CL:FORMAT T "I need to load some fonts~%" )
(LS-LOAD? 'COPYFILES (IF (EQ MAKESYSNAME :LYRIC)
                            THEN
                            '|Lyric Library #1| ELSE
                            '|Medley Library #5|))
(LS-FLOPPY-PROMPT (IF (EQ MAKESYSNAME :LYRIC)
                     THEN
                     '|Lyric Display Fonts #1 Presentation 1/4/87|
                     ELSE
                     '|Lyric Display Fonts #1 Presentation 1/4/|))
(COPYFILES '(HELVETICA05* HELVETICA10* HELVETICA12* HELVETICA14*
             HELVETICA16* HELVETICA18*)
            (CAR DISPLAYFONTDIRECTORIES)
            (=A)
[EVAL (LS-LOAD? 'GRAPHER (IF (EQ MAKESYSNAME :LYRIC)
                            THEN
                            '|Lyric Library #3| ELSE '|Medley Library #5|]
(|Lyric LOOPS System #1| (LOOPSDIRECTORY BLOCKLOOKUP.DFASL LOADLOOPS.DFASL
                            LOOPS-FILEPKG.DFASL LOOPS-TTYEDIT.DFASL LOOPS
                            LOOPSACCESS.DFASL LOOPSACTIVEVALUES.DFASL
                            LOOPSBROWSE.DFASL LOOPSDATATYPES.DFASL
                            LOOPSDEBUG.DFASL LOOPSEEDIT.DFASL
                            LOOPS-INSTALL.DFASL))
(|Lyric LOOPS System #2| (LOOPSDIRECTORY LOOPSINSPECT.DFASL LOOPSKERNEL.DFASL
                            LOOPSMETHODS.DFASL LOOPSPRINT.DFASL LOOPSSITE
                            LOOPSSITE.DFASL LOOPSSPEEDUP.DFASL
                            LOOPSSTRUC.DFASL LOOPSUID.DFASL
                            LOOPUSERINTERFACE.DFASL LOOPUTILITY.DFASL
                            LOOPSWINDOW.DFASL SEDIT-PATCH.DFASL
                            INSPECT-PATCH.DFASL LOOPS-PATCH.DFASL
                            MEDLEY-PATCH.DFASL))
(|Lyric LOOPS Library| (LOOPSLIBRARYDIRECTORY GAUGEACTIVE.DFASL
                            GAUGEALARMS.DFASL GAUGEALPHANUMERICS.DFASL
                            GAUGE BARS.DFASL GAUGEBOUNDEDMIXIN.DFASL
                            GAUGEDIALS.DFASL GAUGEDIGIMETER.DFASL
                            GAUGEDIGISCALE.DFASL GAUGEINSTRUMENTS.DFASL
                            GAUGELoader.DFASL GAUGEMETERS.DFASL
                            GAUGES.DFASL GAUGESCALES.DFASL
                            GAUGESELFSCALEMIXIN.DFASL LOOPSMS.DFASL
                            LOOPSVCOPY.DFASL MASTERSCOPE.DFASL
                            MSANALYZE.DFASL MSPARSE.DFASL MSCOMMON.DFASL))
(|Lyric LOOPS Users| (LOOPUSERSDIRECTORY LOOPSBACKWARDS.DFASL
                            LOOPSMIXIN.DFASL CONVERSION-AIDS.DFASL)
                        (LOOPUSERSRULESDIRECTORY LOOPSRULES-ROOT.DFASL LOOPSRULES.DFASL
                            LOOPSRULESBACKWARDS.DFASL LOOPSRULESC.DFASL LOOPSRULESD.DFASL
                            LOOPSRULESP.DFASL LOOPSRULESTTY.DFASL)))
(MAIKO (EVAL (if (OR (NOT (BOUNDP 'DISPLAYFONTDIRECTORIES))
                    (NULL DISPLAYFONTDIRECTORIES))
                then
                (CL:BREAK "DISPLAYFONTDIRECTORIES is unset~%%Please (SETQ
                            DISPLAYFONTDIRECTORIES '({your}<displayfont>directory>))
                            and type OK to continue")))
        (EVAL (while (NOT (for ff in '(5 10 12 14 16 18)
                            always
                            (FONTSAVAILABLE 'HELVETICA ff NIL NIL 'DISPLAY T)))
                do
                (CL:BREAK "Retrieve HELVETICA fonts to
                            DISPLAYFONTDIRECTORIES~%%and type OK to continue")))
        (EVAL (FILESLOAD (SYSLOAD COMPILED)
                    GRAPHER]
(PROGN (CL:FORMAT T "~%%Building LOOPSSITE file...")
        (CNDIR LOOPSDIRECTORY)
        (LOAD 'LOOPSSITE 'PROP)
        (for d in '(LOOPSDIRECTORY LOOPSLIBRARYDIRECTORY LOOPUSERSDIRECTORY
                    LOOPUSERSRULESDIRECTORY)
            do
            (ADDTOTFILE '[,d ', (EVAL d)
                        'INITVARS
                        'LOOPSSITE))
            (MAKEFILE 'LOOPSSITE 'NEW)
            (CL:COMPILE-FILE 'LOOPSSITE)
            (REMPROP 'LOOPSSITE 'FILEDATES)
            (CL:FORMAT T "done.~%" )
            (printout T "From now on, to load loops into a fresh sysout, you may
                        either:" T " do (LOAD 'LOOPS) for menu based loading" T "or" T " do
                        (FILESLOAD LOADLOOPS) and call (LOADLOOPS)" T "Both files are in:" T
                        " " LOOPSDIRECTORY T)))
(("Loops" "Load Loops")
 (FILESLOAD (FROM VALUEOF LOOPSDIRECTORY)
            LOADLOOPS)
 (LOADLOOPS))
(("Loops Masterscope" "Load LOOPSMS and Masterscope extensions")
 (FILESLOAD (FROM VALUEOF LOOPSLIBRARYDIRECTORY)
            LOADLOOPS)
 (LOADLOOPS))

```

```

        LOOPSMS))
    (("Gauges" "Load Loops Active Gauges")
     (FILESLOAD (FROM VALUEOF LOOPSLIBRARYDIRECTORY)
      GAUGELOADER)
     (LOADGAUGES))
    ("VirtualCopy" "Load Loops Virtual Copy system")
    (FILESLOAD (FROM VALUEOF LOOPSLIBRARYDIRECTORY)
     LOOPSSVCOPY))
    ("ConversionAids" "Load the Koto Loops to Lyric/Medley Loops converter")
    (FILESLOAD (FROM VALUEOF LOOPSUSERSDIRECTORY)
     CONVERSION-AIDS))
    ("LoopsRules" "Load Loops Rules system")
    (FILESLOAD (FROM VALUEOF LOOPSUSERSRULESDIRECTORY)
     LOOPSRULES-ROOT)
(DECLARE%: EVAL@LOADWHEN [NOT (MEMQ DFNFLG '(PROP ALLPROP]
  (FILES (NOERROR)
    LOOPSSITE)
  (P (if (BOUNDP 'LOOPSDIRECTORY)
    then
      (FILESLOAD (FROM VALUEOF LOOPSDIRECTORY)
        LOOPS-INSTALL)
    else
      (FILESLOAD LOOPS-INSTALL))
    (LOAD-SYSTEM]))

```

:: Loading this file will load all of Loops

(DEFINEQ

(\LOOPSDIR

```

  [LAMBDA (STREAM)
    (LET ((FN (FULLNAME STREAM))
      DIR)
      (SETQ DIR (PACKFILENAME.STRING 'NAME NIL 'EXTENSION NIL 'VERSION NIL 'BODY FN))
      [SETQ DIR (SUBSTRING DIR 1 (ADD1 (CL:POSITION #\> DIR :FROM-END T :END (SUB1 (NCHARS DIR)
        '(LOOPSDIRECTORY , (CONCAT DIR ">system>"))
        (LOOPSLIBRARYDIRECTORY , (CONCAT DIR ">Library>"))
        (LOOPSUSERSDIRECTORY , (CONCAT DIR ">Users>"))
        (LOOPSUSERSRULESDIRECTORY , (CONCAT DIR ">Users>Rules>"))
      )
)

```

(RPAQ? LS-CURRENT-SYSTEM

```

  \["Loops" [, (\LOOPSDIR (INPUT)
    ((DANDELION [EVAL (if (OR (NOT (BOUNDP 'DISPLAYFONTDIRECTORIES))
      (NULL DISPLAYFONTDIRECTORIES))
    then
      (CL:BREAK "DISPLAYFONTDIRECTORIES is unset~%%Please (SETQ
        DISPLAYFONTDIRECTORIES '({your}<displayfont>directory>)) and say OK
        to continue")
    else
      (CL:FORMAT T "Looking for fonts in ~A~%%" (CAR DISPLAYFONTDIRECTORIES)
[EVAL (if (NOT (for ff in '(5 10 12 14 16 18)
      always
        (FONTSAVAILABLE 'HELVETICA ff NIL NIL 'DISPLAY T)))
    then
      (CL:FORMAT T "I need to load some fonts~%%")
      (LS-LOAD? 'COPYFILES (IF (EQ MAKESYSNAME :LYRIC)
        THEN
          '|Lyric Library #1| ELSE '|Medley Library #2|))
      (LS-FLOPPY-PROMPT (IF (EQ MAKESYSNAME :LYRIC)
        THEN
          '|Lyric Display Fonts #7 Presentation/Printwheel 1/5/87|
          ELSE '|Lyric Display Fonts #7 Presentation/Prin|))
      (COPYFILES '(HELVETICA05* HELVETICA10* HELVETICA12* HELVETICA14* HELVETICA16*
        HELVETICA18*)
        (CAR DISPLAYFONTDIRECTORIES)
        '(=A)
[EVAL (LS-LOAD? 'GRAPHER (IF (EQ MAKESYSNAME :LYRIC)
      THEN
        '|Lyric Library #2| ELSE '|Medley Library #2|]
(|Lyric LOOPS System| (LOOPSDIRECTORY BLOCKLOOKUP.DFASL LOADLOOPS.DFASL
  LOOPS-FILEPKG.DFASL LOOPS-TTYEDIT.DFASL LOOPS
  LOOPSACCESS.DFASL LOOPSACTIVEVALUES.DFASL LOOPSBROWSE.DFASL
  LOOPSDATATYPES.DFASL LOOPSDEBUG.DFASL LOOPSEDIT.DFASL
  LOOPSINSPECT.DFASL LOOPSKERNEL.DFASL LOOPSMETHODS.DFASL
  LOOPSPRINT.DFASL LOOPSSITE LOOPSSITE.DFASL
  LOOPSSPEEDUP.DFASL LOOPSSTRUC.DFASL LOOPSSUID.DFASL
  LOOPSUSERINTERFACE.DFASL LOOPSUTILITY.DFASL
  LOOPSWINDOW.DFASL LOOPS-INSTALL.DFASL INSPECT-PATCH.DFASL
  LOOPS-PATCH.DFASL MEDLEY-PATCH.DFASL)
(|Lyric LOOPS Library| (LOOPSLIBRARYDIRECTORY GAUGEACTIVE.DFASL GAUGEALARMS.DFASL
  GAUGEALPHANUMERICS.DFASL GAUGEALPHANUMERICS.DFASL GAUGEALPHANUMERICS.DFASL
  GAUGEBOUNDEDMIXIN.DFASL GAUGEDIALS.DFASL
  GAUGEDIGIMETER.DFASL GAUGEDIGISCALE.DFASL
  GAUGEINSTRUMENTS.DFASL GAUGELOADER.DFASL GAUGEMETERS.DFASL

```

```

GAUGES.DFASL GAUGESCALES.DFASL GAUGESELFSCALEMIXIN.DFASL
LOOPSMS.DFASL LOOPSVCOPY.DFASL MASTERSCOPE.DFASL
MSANALYZE.DFASL MSPARSE.DFASL MSCOMMON.DFASL))
(|Lyric LOOPS Users| (LOOPSUSERSDIRECTORY LOOPSBACKWARDS.DFASL LOOPSMIXIN.DFASL
CONVERSION-AIDS.DFASL)
(LOOPSUSERSRULESDIRECTORY LOOPSRULES-ROOT.DFASL LOOPSRULES.DFASL
LOOPSRULESBACKWARDS.DFASL LOOPSRULESC.DFASL LOOPSRULESD.DFASL
LOOPSRULESP.DFASL LOOPSRULESTTY.DFASL)))
(DOVE (EVAL (if (OR (NOT (BOUNDP 'DISPLAYFONTDIRECTORIES))
(NULL DISPLAYFONTDIRECTORIES))
then
(CL:BREAK "DISPLAYFONTDIRECTORIES is unset~%%Please (SETQ
DISPLAYFONTDIRECTORIES '({your}<displayfont>directory)) and say OK to
continue")))
[EVAL (if (NOT (for ff in '(5 10 12 14 16 18)
always
(FONTSAVAILABLE 'HELVETICA ff NIL NIL 'DISPLAY T)))
then
(CL:FORMAT T "I need to load some fonts~%%")
(LS-LOAD? 'COPYFILES (IF (EQ MAKESYSNAME :LYRIC)
THEN
'|Lyric Library #1| ELSE '|Medley Library #5|))
(LS-FLOPPY-PROMPT (IF (EQ MAKESYSNAME :LYRIC)
THEN
'|Lyric Display Fonts #1 Presentation 1/4/87| ELSE
'|Lyric Display Fonts #1 Presentation 1/4/|))
(COPYFILES '(HELVETICA05* HELVETICA10* HELVETICA12* HELVETICA14* HELVETICA16*
HELVETICA18*)
(CAR DISPLAYFONTDIRECTORIES)
' (=A]
[EVAL (LS-LOAD? 'GRAPHER (IF (EQ MAKESYSNAME :LYRIC)
THEN
'|Lyric Library #3| ELSE '|Medley Library #5|]
(|Lyric LOOPS System #1| (LOOPSDIRECTORY BLOCKLOOKUP.DFASL LOADLOOPS.DFASL
LOOPS-FILEPKG.DFASL LOOPS-TTYEDIT.DFASL LOOPS
LOOPSACCESS.DFASL LOOPSACTIVEVALUES.DFASL
LOOPSBROWSE.DFASL LOOPSDATATYPES.DFASL LOOPSDEBUG.DFASL
LOOPSEEDIT.DFASL LOOPS-INSTALL.DFASL))
(|Lyric LOOPS System #2| (LOOPSDIRECTORY LOOPSINSPECT.DFASL LOOPSKERNEL.DFASL
LOOPSMETHODS.DFASL LOOPSPRINT.DFASL LOOPSSITE
LOOPSSITE.DFASL LOOPSSPEEDUP.DFASL LOOPSSSTRUC.DFASL
LOOPSUID.DFASL LOOPSUSERINTERFACE.DFASL
LOOPSUTILITY.DFASL LOOPSWINDOW.DFASL SEDIT-PATCH.DFASL
INSPECT-PATCH.DFASL LOOPS-PATCH.DFASL MEDLEY-PATCH.DFASL)
)
(|Lyric LOOPS Library| (LOOPLIBRARYDIRECTORY GAUGEACTIVE.DFASL GAUGEALARMS.DFASL
GAUGEALPHANUMERICS.DFASL GAUGE BARS.DFASL
GAUGEBOUNDEDMIXIN.DFASL GAUGEDIALS.DFASL
GAUGEDIGIMETER.DFASL GAUGEDIGISCALE.DFASL
GAUGEINSTRUMENTS.DFASL GAUGELoader.DFASL GAUGEMETERS.DFASL
GAUGES.DFASL GAUGESCALES.DFASL GAUGESELFSCALEMIXIN.DFASL
LOOPSMS.DFASL LOOPSVCOPY.DFASL MASTERSCOPE.DFASL
MSANALYZE.DFASL MSPARSE.DFASL MSCOMMON.DFASL))
(|Lyric LOOPS Users| (LOOPSUSERSDIRECTORY LOOPSBACKWARDS.DFASL LOOPSMIXIN.DFASL
CONVERSION-AIDS.DFASL)
(LOOPSUSERSRULESDIRECTORY LOOPSRULES-ROOT.DFASL LOOPSRULES.DFASL
LOOPSRULESBACKWARDS.DFASL LOOPSRULESC.DFASL LOOPSRULESD.DFASL
LOOPSRULESP.DFASL LOOPSRULESTTY.DFASL)))
(MAIKO (EVAL (if (OR (NOT (BOUNDP 'DISPLAYFONTDIRECTORIES))
(NULL DISPLAYFONTDIRECTORIES))
then
(CL:BREAK "DISPLAYFONTDIRECTORIES is unset~%%Please (SETQ
DISPLAYFONTDIRECTORIES '({your}<displayfont>directory)) and type OK to
continue")))
(EVAL (while (NOT (for ff in '(5 10 12 14 16 18)
always
(FONTSAVAILABLE 'HELVETICA ff NIL NIL 'DISPLAY T)))
do
(CL:BREAK "Retrieve HELVETICA fonts to DISPLAYFONTDIRECTORIES~%%and type OK
to continue")))
(EVAL (FILESLOAD (SYSLOAD COMPILED)
GRAPHER]
(PROGN (CL:FORMAT T "~%%Building LOOPSSITE file...")
(CNDIR LOOPSDIRECTORY)
(LOAD 'LOOPSSITE 'PROP)
(for d in '(LOOPSDIRECTORY LOOPLIBRARYDIRECTORY LOOPSUSERSDIRECTORY
LOOPSUSERSRULESDIRECTORY)
do
(ADDTOFILE `[,d ', (EVAL d]
' INITVARS
' LOOPSSITE))
(MAKEFILE 'LOOPSSITE 'NEW)
(CL:COMPILE-FILE 'LOOPSSITE)
(REMPROP 'LOOPSSITE 'FILEDATES)
(CL:FORMAT T "done.~%%")
(printout T "From now on, to load loops into a fresh sysout, you may either:" T " do
(LOAD 'LOOPS) for menu based loading" T "or" T " do (FILESLOAD LOADLOOPS) and

```

```

      call (LOADLOOPS) " T "Both files are in:" T " " LOOPSDIRECTORY T))
((("Loops" "Load Loops")
 (FILESLOAD (FROM VALUEOF LOOPSDIRECTORY)
  LOADLOOPS)
 (LOADLOOPS))
(("Loops Masterscope" "Load LOOPSMS and Masterscope extensions")
 (FILESLOAD (FROM VALUEOF LOOPSLIBRARYDIRECTORY)
  LOOPSMS))
(("Gauges" "Load Loops Active Gauges")
 (FILESLOAD (FROM VALUEOF LOOPSLIBRARYDIRECTORY)
  GAUGELoader)
 (LOADGAUGES))
(("VirtualCopy" "Load Loops Virtual Copy system")
 (FILESLOAD (FROM VALUEOF LOOPSLIBRARYDIRECTORY)
  LOOPSVCOPY))
(("ConversionAids" "Load the Koto Loops to Lyric/Medley Loops converter")
 (FILESLOAD (FROM VALUEOF LOOPUSERSDIRECTORY)
  CONVERSION-AIDS))
(("LoopsRules" "Load Loops Rules system")
 (FILESLOAD (FROM VALUEOF LOOPUSERSRULESDIRECTORY)
  LOOPSRULES-ROOT])

(DECLARE%: EVAL@LOADWHEN

[NOT (MEMQ DFNFLG ' (PROP ALLPROP]

(FILESLOAD (NOERROR)
  LOOPSSITE)

(if (BOUNDP ' LOOPSDIRECTORY)
  then (FILESLOAD (FROM VALUEOF LOOPSDIRECTORY)
    LOOPS-INSTALL)
  else (FILESLOAD LOOPS-INSTALL))

(LOAD-SYSTEM)
)
```

---

**FUNCTION INDEX**

\LOOPSDIR .....3

---

**VARIABLE INDEX**

LS-CURRENT-SYSTEM .....3

---