

File created: 14-Jun-90 21:20:39 {DSK}<usr>local>Ide>lispcore>internal>library>FILEBANGER.;2

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

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(RPAQQ FILEBANGERCOMS

```
(( (FNS DOFILEBANGER DOMAKEFILEBANGER DOZEROBANGER FILEBANGER FBCOPYBYTES FBMAKETESTFILE MAKEBANGERWINDOW
  MAKEFILEBANGER ZEROBANGER SUSPEND.FILEBANGER WATCHDISKPAGES)
  (FNS BINCOM)
  (FNS CHECKFORZEROS)
  (INITVARS (FBREPEATCOUNT 4)
    (FILEBANGERS))
  (PROP FILETYPE FILEBANGER)))
```

(DEFINEQ

(DOFILEBANGER

```
[LAMBDA (DESTINATION LENGTH NOBREAK) ; Edited 1-Oct-87 18:00 by Daniels
  (push FILEBANGERS (ADD.PROCESS `(FILEBANGER ',LENGTH ',DESTINATION T ',NOBREAK]))
```

(DOMAKEFILEBANGER

```
[LAMBDA (SOURCE) (* bvm%: "14-AUG-83 13:53")
  (push FILEBANGERS (ADD.PROCESS `(MAKEFILEBANGER (QUOTE %, SOURCE]))
```

(DOZEROBANGER

```
[LAMBDA (TESTFILE1 TESTFILE2 TMPFILENAME) (* bvm%: "14-AUG-83 13:54")
  (push FILEBANGERS (ADD.PROCESS `(ZEROBANGER (QUOTE %, TESTFILE1)
    (QUOTE %, TESTFILE2)
    (QUOTE %, TMPFILENAME]))
```

(FILEBANGER

```
[LAMBDA (TESTFILE DESTINATION MAKEWINDOW NOBREAK INPARMS OUTPARMS) ; Edited 1-Oct-87 18:31 by Daniels
```

(DECLARE (SPECVARS ERRCNT LOOPCNT)

(RESETLST

(PROG ((ERRCNT 0)

(LOOPCNT 0)

(OPTION (AND (NOT NOBREAK)

'BREAK))

MYFILE NEWFILE LASTFILE TMPFILENAME OUTPUTSTREAM)

[COND

[(OR (NULL TESTFILE)

(FIXP TESTFILE))

(SETQ TESTFILE (SETQ MYFILE (FBMAKETESTFILE TESTFILE (PACKFILENAME 'EXTENSION 'SOURCE

'BODY

(OR DESTINATION 'FILEBANGER]

[COND

[MAKEWINDOW (SETQ OUTPUTSTREAM (GETSTREAM (MAKEBANGERWINDOW TESTFILE "File Banger")

'OUTPUT]

(T (SETQ OUTPUTSTREAM (GETSTREAM T 'OUTPUT]

[COND

((NOT MYFILE)

[SETQ MYFILE (CL:WITH-OPEN-FILE (TESTFILE TESTFILE :DIRECTION :INPUT)

(COPYFILE TESTFILE (PACKFILENAME 'EXTENSION 'FBTESTER 'VERSION NIL

'BODY TESTFILE]

(BINCOM MYFILE TESTFILE OPTION OUTPUTSTREAM)))

[SETQ TMPFILENAME (OR DESTINATION (PACKFILENAME 'EXTENSION 'FBTEMP 'VERSION NIL 'BODY

(OR MYFILE 'FILEBANGER]

LP (PRIN1 (add LOOPCNT 1)

OUTPUTSTREAM)

(RESETLST

[RESETSAVE (SETQ NEWFILE (OPENFILE TMPFILENAME 'OUTPUT NIL NIL OUTPARMS))

'(PROGN (CLOSEF OLDVALUE]

(CL:WITH-OPEN-FILE (MYFILE MYFILE :DIRECTION :INPUT)

(COPYBYTES MYFILE NEWFILE)))

(AND LASTFILE (DELFILE LASTFILE))

[RPTQ FBREPEATCOUNT (PROGN (BLOCK)

(PRIN1 '%. OUTPUTSTREAM)

(COND

((NEQ (BINCOM MYFILE NEWFILE OPTION OUTPUTSTREAM)

T)

(add ERRCNT 1]

(SETQ LASTFILE NEWFILE)

(BLOCK)

(GO LP)))]

(FBCOPYBYTES

```
[LAMBDA (INSTREAM ECHOSTREAM START) (* bvm%: "24-JUN-83 19:00")
 (SETFILEPTR INSTREAM START)
 (RPTQ 40 (\OUTCHAR ECHOSTREAM (\BIN INSTREAM]))
```

(FBMAKETESTFILE

```
[LAMBDA (LENGTH NAME) ; Edited 1-Oct-87 18:20 by Daniels
 (LET ((PATHNAME)
 [CL:WITH-OPEN-FILE (FILE (OR NAME "FILEBANGER.TMP")
 :DIRECTION :OUTPUT :IF-EXISTS :NEW-VERSION)
 (SETQ PATHNAME (CL:TRUENAME FILE))
 (for I from 1 to (OR LENGTH 1000) do (\OUTCHAR FILE (RAND 32 127)
 PATHNAME]))
```

(MAKEBANGERWINDOW

```
[LAMBDA (FILE TYPE) (* bvm%: "12-AUG-83 13:06")
 (PROG (W)
 [RESETSAVE (TTYDISPLAYSTREAM (SETQ W (CREATEW NIL (CONCAT TYPE " for " FILE)
 (DSPFONT ' (GACHA 8)
 W)
 [WINDOWPROP W 'CLOSEFN (FUNCTION (LAMBDA (W P)
 (AND [PROCESSP (SETQ P (WINDOWPROP W 'PROCESS])
 (PROCESS.EVAL P ' (ERROR!])
 (WINDOWPROP W 'PAGEFULLFN (FUNCTION NIL))
 (RETURN W)])
```

(MAKEFILEBANGER

```
[LAMBDA (TESTFILE) (* bvm%: "14-AUG-83 13:56")
 (DECLARE (SPECVARS ERRCNT LOOPCNT))
 (RESETLST
 (PROG ((LOOPCNT 0)
 NEWFILE LASTFILE)
 [SETQ TESTFILE (LOADFROM (OR TESTFILE (RETURN "No TESTFILE supplied")
 (MAKEBANGERWINDOW TESTFILE "MAKEFILE Banger")
 (SETQ TESTFILE (NAMEFIELD TESTFILE T))
 LP (SETQ NEWFILE (MAKEFILE TESTFILE))
 (AND (CHECKFORZEROS NEWFILE)
 (HELP "Zeros found"))
 [COND
 (LASTFILE (DELFILE LASTFILE)
 (REMPROP LASTFILE 'PAGES])
 (SETQ LASTFILE NEWFILE)
 (GO LP))))])
```

(ZEROBANGER

```
[LAMBDA (TESTFILE1 TESTFILE2 TMPFILENAME N NOBREAK OUTPUTSTREAM) (* bvm%: "12-AUG-83 13:07")
 (DECLARE (SPECVARS ERRCNT LOOPCNT))
 (RESETLST
 (PROG ((ERRCNT 0)
 (LOOPCNT 0)
 (OPTION (AND (NOT NOBREAK)
 'BREAK))
 THISFILE NEWFILE LASTFILE)
 [SETQ THISFILE (CLOSEF (SETQ TESTFILE1 (OPENFILE (OR TESTFILE1 (RETURN "No TESTFILE supplied")
 'INPUT])
 (RESETSAVE NIL (LIST 'CLOSEF? TESTFILE1))
 [CLOSEF (SETQ TESTFILE2 (OPENFILE (OR TESTFILE2 (RETURN "No TESTFILE supplied")
 'INPUT])
 (RESETSAVE NIL (LIST 'CLOSEF? TESTFILE2))
 [CLOSEF (SETQ TMPFILENAME (OPENFILE (OR TMPFILENAME 'ZEROBANGER.TMP)
 'OUTPUT])
 (RESETSAVE NIL (LIST 'CLOSEF? TMPFILENAME))
 (SETQ OUTPUTSTREAM (GETSTREAM (OR OUTPUTSTREAM (MAKEBANGERWINDOW THISFILE "Zero Banger"))
 'OUTPUT))
 LP (COND
 ((AND N (ILESSP (add N -1)
 0))
 (RETURN ERRCNT)))
 (printout OUTPUTSTREAM (add LOOPCNT 1)
 %,)
 (OPENFILE TMPFILENAME 'BOTH 'OLD)
 (OPENFILE THISFILE 'INPUT)
 (COPYBYTES THISFILE TMPFILENAME 0 -1)
 (CLOSEF THISFILE)
 (SETFILEINFO TMPFILENAME 'LENGTH (GETFILEPTR TMPFILENAME))
 (CLOSEF TMPFILENAME) (* (AND LASTFILE (DELFILE LASTFILE)))
 (COND
 ((NEQ (BINCOM THISFILE TMPFILENAME OPTION OUTPUTSTREAM)
 T)
 (add ERRCNT 1))) (* (SETQ LASTFILE NEWFILE))
```



```

      ((EQ OPTION 'BREAK)
       (HELP STRM1 STRM2)))
      (LIST (GETEOFPTR STRM1)
            (GETEOFPTR STRM2]))

```

)

(DEFINEQ

(CHECKFORZEROS

; Edited 14-Jun-90 21:18 by jds

```

[LAMBDA (FILE MINZEROS)
  (RESETLST
   (PROG ((STREAM (OPENSTREAM FILE 'INPUT))
          (%#FAILURES 0)
          N)
         (RESETSAVE NIL (LIST 'CLOSEF STREAM))
         (OR MINZEROS (SETQ MINZEROS 20))
         (replace (STREAM ENDOFSTREAMOP) of STREAM with (FUNCTION NIL))
         (printout T (FULLNAME STREAM)
                    " : " T)
         (do (SELECTQ (BIN STREAM)
                     (NIL (RETURN))
                     (0 (SETQ N 1)
                        (while (ZEROP (BIN STREAM)) do (add N 1))
                        (COND
                         ((IGREATERP N MINZEROS)
                          (printout T .P2 N " zeros starting at byte " .P2 (SUB1 (IDIFFERENCE (GETFILEPTR
                                                                                               STREAM)
                                                                                               N))
                                                                                               T)
                          (add %#FAILURES 1))))
         NIL))
   (RETURN (AND (NOT (ZEROP %#FAILURES))
                (%#FAILURES))))))

```

)

(RPAQ? **FBREPEATCOUNT** 4)

(RPAQ? **FILEBANGERS**)

(PUTPROPS **FILEBANGER FILETYPE** :COMPILE-FILE)

(PUTPROPS **FILEBANGER COPYRIGHT** ("Venue & Xerox Corporation" 1983 1987 1990))

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