

File created: 14-Jan-87 17:50:00 {MCS:MCS:STANFORD}<LANE>BMENCODE.;13

previous date: 19-Dec-86 14:46:44 {MCS:MCS:STANFORD}<LANE>BMENCODE.;11

Read Table: OLD-INTERLISP-FILE

Package: INTERLISP

Format: XCCS

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(RPAQQ **BMENCODECOMS**

```
(( * User function)
 (FNS BITMAP.ENCODE)
 (* Internal functions)
 (FNS FILE.TO.BITMAP BITMAP.TO.FILE)
 (ADDVARS (BMC.MAKEFILE.OPTIONS NEW))
 (INITVARS (BMC.EXTENSION 'BMC)
            (BMC.BYTESPERLINE 64))
 (GLOBALVARS BMC.MAKEFILE.OPTIONS BMC.EXTENSION BMC.BYTESPERLINE)))
```

(\* \* User function)

(DEFINEQ

**(BITMAP.ENCODE**

```
[LAMBDA (FILES)
 (LET [FILENAME (FILENAME (bind NAME for FILE inside FILES collect (PROG1 (SETQ NAME (NAMEFIELD FILE T))
 (SETATOMVAL NAME (FILE.TO.BITMAP FILE))))]
 (DECLARE (SPECVARS FILENAME))
 [SETATOMVAL [FILECOMS (NAMEFIELD (SETQ FILENAME (PACKFILENAME 'EXTENSION BMC.EXTENSION 'BODY
 (CAR FILENAMES)
 (BQUOTE ((BITMAPS ,@ FILENAMES)
 (P (for FILE in (QUOTE , FILENAMES) do (PRIN1 "Restoring file ")
 (PRIN1 (BITMAP.TO.FILE (EVALV FILE)
 FILE))
 (TERPRI]
 (RESETVAR FONTCHANGEFLG NIL (MAKEFILE FILENAME BMC.MAKEFILE.OPTIONS))
 )
 )
 (* cdl "19-Dec-86 14:43")
```

(\* \* Internal functions)

(DEFINEQ

**(FILE.TO.BITMAP**

```
[LAMBDA (FILE)
 (DECLARE (SPECVARS FILE))
 (LET (STREAM)
 (DECLARE (SPECVARS STREAM))
 (RESETLST
 [RESETSAVE NIL (BQUOTE (CLOSEF? , (SETQ STREAM (OPENSTREAM FILE 'INPUT)
 (LET (BITMAP (LENGTH (GETFILEINFO STREAM 'LENGTH))
 (BYTESPERLINE (QUOTIENT BMC.BYTESPERLINE 2)))
 (with BITMAP (SETQ BITMAP (BITMAPCREATE (TIMES BYTESPERLINE BITSPERBYTE)
 (QUOTIENT (PLUS (TIMES 2 BYTESPERWORD)
 BYTESPERLINE LENGTH)
 BYTESPERLINE)))
 (\PUTBASE BITMAPBASE 0 LENGTH)
 (\PUTBASE BITMAPBASE 1 (RSH LENGTH BITSPERWORD))
 (\BINS STREAM BITMAPBASE (TIMES 2 BYTESPERWORD)
 LENGTH))
 BITMAP))])
 (* cdl "19-Dec-86 13:37")
```

**(BITMAP.TO.FILE**

```
[LAMBDA (BITMAP FILE)
 (DECLARE (SPECVARS BITMAP FILE))
 (LET (STREAM)
 (DECLARE (SPECVARS STREAM))
 (RESETLST
 [RESETSAVE NIL (BQUOTE (CLOSEF? , (SETQ STREAM (OPENSTREAM FILE 'OUTPUT)
 [with BITMAP (\DTEST BITMAP 'BITMAP)
 (\BOUITS STREAM BITMAPBASE (TIMES 2 BYTESPERWORD)
 (PLUS (\GETBASE BITMAPBASE 0)
 (LSH (\GETBASE BITMAPBASE 1)
 BITSPERWORD]
 (FULLNAME STREAM))])
 (* cdl "19-Dec-86 13:40")
```

(ADDTOVAR **BMC.MAKEFILE.OPTIONS** NEW)

(RPAQ? **BMC.EXTENSION** 'BMC)

```
{MEDLEY}<lispusers>BMENCODE.;1
```

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```
(RPAQ? BMC.BYTESPERLINE 64)
```

```
(DECLARE: DOEVAL@COMPILE DONTCOPY
```

```
(GLOBALVARS BMC.MAKEFILE.OPTIONS BMC.EXTENSION BMC.BYTESPERLINE)  
)
```

```
(PUTPROPS BMENCODE COPYRIGHT ("Stanford University" 1986 1987))
```

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**FUNCTION INDEX**

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**VARIABLE INDEX**

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