

Package ‘bmp’

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Title Read Windows Bitmap (BMP) Images

Description Reads Windows BMP format images. Currently limited to 8 bit greyscale images and 24,32 bit (A)RGB images. Pure R implementation without external dependencies.

Version 0.3.1

Suggests pixmap, testthat

Collate 'read-bmp.R'

RoxygenNote 7.3.2

Encoding UTF-8

URL <https://github.com/jefferis/bmp>

BugReports <https://github.com/jefferis/bmp/issues>

NeedsCompilation no

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Repository CRAN

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| | |
|------------------|---|
| ConvertIntToUInt | <i>Fix a 32 bit unsigned integer that has been read as signed</i> |
|------------------|---|

Description

This is really just to fix a limitation of readBin/R's 32 bit signed ints

Usage

```
ConvertIntToUInt(x, adjustment = 2^32)
```

Arguments

| | |
|------------|---|
| x | Number to be fixed |
| adjustment | number to be added to convert to uint32 (2^32 by default) |

Value

numeric value of uint32

Author(s)

jefferis

See Also

[readBin](#)

| | |
|--------|--|
| is.bmp | <i>Returns TRUE if file is a Windows BMP image</i> |
|--------|--|

Description

NB this just checks the magic 'BM' in the first two bytes of the file

Usage

```
is.bmp(source)
```

Arguments

| | |
|--------|--------------------|
| source | file or connection |
|--------|--------------------|

Value

TRUE or FALSE

Author(s)

jefferis

`read.bmp`*Open windows BMP format image files*

Description

Limited to 8 bit greyscale images and 24 bit RGB images.

Usage

```
read.bmp(f, Verbose = FALSE)
```

Arguments

| | |
|----------------------|---------------------------------------|
| <code>f</code> | File to open |
| <code>Verbose</code> | Give verbose warnings (default FALSE) |

Value

array of dims height x width x channels

Author(s)

jefferis

Examples

```
## Not run:  
library(pixmap)  
r=read.bmp('myrgbimage.bmp')  
pr=pixmapRGB(r)  
r=read.bmp('mygreyimage.bmp')  
pr=pixmapGrey(r)  
plot(pr)  
  
## End(Not run)
```

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