Package: RFPNG (via r-universe)

November 5, 2024

Title Very Fast PNG Image Reader/Writer for 24/32bpp Images

Version 0.0.0.9000

Description Wraps 'fpng', a very fast C++ .PNG image reader/writer for 24/32bpp images

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.3

LinkingTo Rcpp

Imports Rcpp

Suggests png

Repository https://schochastics.r-universe.dev

RemoteUrl https://github.com/schochastics/RFPNG

RemoteRef HEAD

RemoteSha 85b62cc00f082cbb57b723747cedf57316521374

Contents

fpng_init	*Initialize fpng run one time on startup*

Description

Initialize fpng run one time on startup

Usage

```
fpng_init()
```

png2fpng	*convert png to be compatible with fpng*

Description

convert png to be compatible with fpng

Usage

```
png2fpng(png_path, fpng_path)
```

Arguments

png_path	path to png file to be converted
fpng_path	path to output png file

readFPNG	*Decode from file Reads an image from a PNG file into a raster array.*

Description

Decode from file Reads an image from a PNG file into a raster array.

Usage

```
readFPNG(file_path)
```

Arguments

file_path	character. file to write to

Value

array representing the FPNG image

| reshape_to_fpng | *Reshape png array Reshape a png array that was read with [png::readPNG](#) to comply with fpng* |

Description

Reshape png array Reshape a png array that was read with [png::readPNG](#) to comply with fpng

Usage

```
reshape_to_fpng(x)
```

Arguments

x   array representing a png image

| writeFPNG | *Encode to file Create a FPNG image from an array or matrix.* |

Description

Encode to file Create a FPNG image from an array or matrix.

Usage

```
writeFPNG(x, file_path)
```

Arguments

x   image represented by an integer matrix with values between 0 and 255. Either
                three (RGB) or four (RGB+alpha) planes.

file_path   character. file to write to

Value

bool

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