Package: pnglitchr (via r-universe)

June 2, 2026

Title PNG Glitching in R

Version 0.0.3

Description Offers a thin wrapper around <https://github.com/chikoski/png-glitch>, a library to glitch PNG images.

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Suggests fastpng, testthat (>= 3.0.0)

Config/roxygen2/version 8.0.0

Config/testthat/edition 3

Encoding UTF-8

Roxygen list(markdown = TRUE)

SystemRequirements Cargo (Rust's package manager), rustc

Config/pak/sysreqs libclang-dev

Repository https://paithiov909.r-universe.dev

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RemoteUrl https://github.com/paithiov909/pnglitchr

RemoteRef HEAD

RemoteSha ced9fed7969dc2e07ff6e82d1e8180112c1bc5e3

Contents

pnglitch *Create a glitched PNG image*

Description

Creates glitched PNG image data.

Usage

```
count_scanlines(x)

glitch_replace(x, times, seed = sample.int(1e+09, 1))

glitch_remove(x, from, lines)

glitch_transpose(x, src, dst, lines)

glitch_apply(
  x,
  from,
  lines,
  filter_type = c("none", "sub", "up", "average", "paeth")
)
```

Arguments

x	A character string specifying the path to a PNG file or a raw vector containing PNG image data.
times	An integer specifying the number of times to copy.
seed	An integer specifying the seed for the random number generator.
from, src, dst	Scan line index.
lines	Number of scan lines to be updated.
filter_type	Filter type. One of "none", "sub", "up", "average", "paeth".

Details

The following functions are available:

- `count_scanlines()`: Returns the total number of scan lines in the PNG image.
- `glitch_replace()`: Replaces the scan lines randomly.
- `glitch_remove()`: Removes filter from the scan lines.
- `glitch_transpose()`: Transposes some scan lines from `src` to `dst`.
- `glitch_apply()`: Applies a specified filter to the scan lines.

Value

A raw vector containing glitched PNG image data.

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