

Package ‘cropcircles’

November 3, 2022

Type Package

Title Crops an Image to a Circle

Version 0.1.1

URL <https://github.com/doehm/cropcircles>

BugReports <https://github.com/doehm/cropcircles/issues>

Description Images are cropped to a circle with a transparent background. The function takes a vector of images, either local or from a link, and circle crops the image. Paths to the cropped image are returned for plotting with 'ggplot2'.

Depends R (>= 3.5.0)

Imports glue, magick, purrr

License CC0

Encoding UTF-8

RoxygenNote 7.2.0

NeedsCompilation no

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Repository CRAN

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`circle_crop`*Circle crop*

Description

Reads in an image and circle crops it with a transparent background. If a new path is given it will save the cropped images to the new location. If no path is given it will save to a temporary location which will be cleared when the session is closed

Usage

```
circle_crop(images, to = NULL)
```

Arguments

<code>images</code>	Vector of image paths, either local or urls. If urls the images will be downloaded first.
<code>to</code>	Path to new location

Value

Path to cropped images

Examples

```
library(magick)

x <- c(1, 3, 9, 8)
path <- "https://openpsychometrics.org/tests/characters/test-resources/pics/BB/"
img_paths <- paste0(path, x, ".jpg")

img_paths_cropped <- circle_crop(img_paths)

imgs <- image_read(img_paths_cropped)
image_montage(imgs)
```

`heart_crop`*Heart crop*

Description

Reads in an image and crops to a heart shape If a new path is given it will save the cropped images to the new location. If no path is given it will save to a temporary location which will be cleared when the session is closed

Usage

```
heart_crop(images, to = NULL)
```

Arguments

images	Vector of image paths, either local or urls. If urls the images will be downloaded first.
to	Path to new location

Value

Path to cropped images

Examples

```
library(magick)

x <- c(1, 3, 9, 8)
path <- "https://openpsychometrics.org/tests/characters/test-resources/pics/BB/"
img_paths <- paste0(path, x, ".jpg")

img_paths_cropped <- heart_crop(img_paths)

imgs <- image_read(img_paths_cropped)
image_montage(imgs)
```

hex_crop	<i>Hex crop</i>
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Description

Reads in an image and crops to a hexagon. If a new path is given it will save the cropped images to the new location. If no path is given it will save to a temporary location which will be cleared when the session is closed

Usage

```
hex_crop(images, to = NULL)
```

Arguments

images	Vector of image paths, either local or urls. If urls the images will be downloaded first.
to	Path to new location

Value

Path to cropped images

Examples

```
library(magick)

x <- c(1, 3, 9, 8)
path <- "https://openpsychometrics.org/tests/characters/test-resources/pics/BB/"
img_paths <- paste0(path, x, ".jpg")

img_paths_cropped <- hex_crop(img_paths)

imgs <- image_read(img_paths_cropped)
image_montage(imgs)
```

square_crop

Square crop

Description

Reads in an image and square crops. If a new path is given it will save the cropped images to the new location. If no path is given it will save to a temporary location which will be cleared when the session is closed

Usage

```
square_crop(images, to = NULL)
```

Arguments

images	Vector of image paths, either local or urls. If urls the images will be downloaded first.
to	Path to new location

Value

Path to cropped images

Examples

```
library(magick)

x <- c(1, 3, 9, 8)
path <- "https://openpsychometrics.org/tests/characters/test-resources/pics/BB/"
img_paths <- paste0(path, x, ".jpg")

img_paths_cropped <- square_crop(img_paths)

imgs <- image_read(img_paths_cropped)
image_montage(imgs)
```

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