

Package: magickx (via r-universe)

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Type Package

Title Extension of the R-Package magick

Version 0.1.0

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Description Image manipulation based on the magick package. It contains functions to select or remove horizontal or vertical stripes from an image. These may be used to cut off undesired areas from an image, e.g. as preparation for optical character recognition (OCR).

License GPL-2

Imports magick (>= 1.8)

Suggests knitr, kwb.furain, rmarkdown

VignetteBuilder knitr

Remotes github::kwb-r/kwb.furain

Encoding UTF-8

LazyData TRUE

RoxygenNote 6.1.1

Repository <https://hsonne.r-universe.dev>

RemoteUrl <https://github.com/hsonne/magickx>

RemoteRef HEAD

RemoteSha 5f895ba219fa161d0378c8a4fe20f2aaebec6fd

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dim.matrix_image	<i>Dimension of a "Matrix Image"</i>
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Description

Dimension of a "Matrix Image"

Usage

```
## S3 method for class 'matrix_image'
dim(x)
```

Arguments

x object of class "matrix_image", as returned by [image_matrix](#)

Value

vector of two integers (number of rows, number of columns)

extract	<i>Extract Horizontal or Vertical Stripes from Image</i>
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Description

Extract Horizontal or Vertical Stripes from Image

Usage

```
extract(image, i = NULL, j = NULL, widths = NULL, heights = NULL)
```

Arguments

image	object of class "matrix_image"
i	row indices
j	column indices
widths	column widths in pixels
heights	row heights in pixels

image_matrix	<i>Arrange Images in a Matrix</i>
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Description

Arrange Images in a Matrix

Usage

```
image_matrix(images, nrow = NULL, ncol = NULL, byrow = FALSE,  
             dimnames = NULL)
```

Arguments

images	object of class "magick" representing one or more images
nrow	number of rows
ncol	number of columns
byrow	logical. Shall images be arranged along rows or along columns?
dimnames	list of vectors of row and column names, respectively

list_to_magick	<i>Convert List of image-magick Objects to image-magick Object</i>
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Description

Convert List of image-magick Objects to image-magick Object

Usage

```
list_to_magick(x)
```

Arguments

x	list of objects of class "image-magick"
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Value

object of class "image-magick"

try_image_read	<i>Try to Read Images with image_read</i>
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Description

Run `image_read` for each element of path. If an error occurs, continue with the next element.

Usage

```
try_image_read(path)
```

Arguments

path passed to `image_read`

Value

object of class "magick-image", containing all images that could be read successfully from the paths given in path

[.matrix_image	<i>Extract Rows and Columns from "Matrix Image"</i>
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Description

Extract Rows and Columns from "Matrix Image"

Usage

```
## S3 method for class 'matrix_image'
x[...]
```

Arguments

x object of class "matrix_image"
 ... arguments passed to `extract`

Value

object of class "image-magick"

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