

Package: latexsvg (via r-universe)

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Type Package

Title What the Package Does (Title Case)

Version 0.1.0

Author Who wrote it

Maintainer The package maintainer <yourself@somewhere.net>

Description More about what it does (maybe more than one line) Use
four spaces when indenting paragraphs within the Description.

License What license is it under?

Encoding UTF-8

LazyData true

Depends shinyEvents, stringtools

RoxygenNote 5.0.0

Config/pak/sysreqs cmake make libicu-dev libuv1-dev zlib1g-dev

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

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RemoteUrl <https://github.com/skranz/latexsvg>

RemoteRef master

RemoteSha f8cc87b41a84fc5a7ca42b2978afdb69368ec785

Contents

latexsvg	2
pdf2svg	2
Index	4

latexsvg	<i>Takes the code of an svg file that has <code><text></code> blocks with latex math E.g. <code><text>\(x^2)\</text></code> Renders the latex via MathJax and inlines it into the svg. The function briefly starts a shinyapp since the transformation needs MathJax to be run in the browser. Will work in the RStudio viewer and in Firefox. Does not seem to work in Chrome.</i>
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Description

The javascript code that does the actually work is a minimally adapted version of the code by Jason Sachs. See the following references:

Usage

```
latexsvg(svg = paste0(readLines(file), collapse = "\n"), file = NULL,
  outfile = if (!is.null(file)) paste0(tools::file_path_sans_ext(file),
    "_latex.svg"))
```

Arguments

svg	the code of svg as text
file	a file name of the svg if no code is given
outfile	if not null the created svg will be written to this file

Details

<https://www.embeddedrelated.com/showarticle/599.php> https://bitbucket.org/jason_s/svg_mathjax

Value

The code of the generated svg file

pdf2svg	<i>A function that converts a graphic in PDF format to an svg file and saves the svg file in the same directory as the pdf file Needs inkscape and the path to it binary</i>
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Description

A function that converts a graphic in PDF format to an svg file and saves the svg file in the same directory as the pdf file Needs inkscape and the path to it binary

Usage

```
pdf2svg(file, inkscape.bin, svg.file = paste0(tools::file_path_sans_ext(file),
  ".svg"))
```

Arguments

<code>file</code>	the pdf file
<code>inkscape.bin</code>	path and file name of the inkscape binary
<code>svg.file</code>	the output svg file; by default the same name as the pdf file but with extension .svg.

Index

latexsvg, [2](#)

pdf2svg, [2](#)