

Package ‘simpletex’

May 9, 2026

Type Package

Title Mathematical Formulas and Character Recognition

Version 1.0.5

Maintainer Xinyuan Chu <chuxinyuan@outlook.com>

Date 2025-03-22 13:17:39 UTC

Description By calling the 'SimpleTex' <<https://simpletex.cn/>> open API implements text and mathematical formula recognition on the image, and the output formula can be used directly with 'Markdown' and 'LaTeX'.

License MIT + file LICENSE

URL <https://github.com/chuxinyuan/simpletex>

BugReports <https://github.com/chuxinyuan/simpletex/issues>

Depends R (>= 3.6)

Imports glue, digest, httr, jsonlite

RoxygenNote 7.2.3

Suggests testthat (>= 2.1.0), knitr, rmarkdown

VignetteBuilder knitr

Encoding UTF-8

NeedsCompilation no

Author Xinyuan Chu [aut, cre]

Repository CRAN

Date/Publication 2025-03-22 13:30:02 UTC

Contents

imgocr	2
Index	3

`imgocr`*Mathematical formulas and character recognition*

Description

Mathematical formulas and character recognition.

Usage

```
imgocr(img, mode = "latex_ocr")
```

Arguments

<code>img</code>	An image file, supporting jpg, png, bmp format.
<code>mode</code>	Set service model. The value can be 'latex_ocr', 'latex_ocr_turbo', or 'simpletex_ocr'. The default value is 'latex_ocr'. The 'latex_ocr' and 'latex_ocr_turbo' are used for formula identification. 'latex_ocr' is better than 'latex_ocr_turbo', but 'latex_ocr_turbo' is faster. 'simpletex_ocr' is suitable for general image recognition.

Value

Text or mathematical formulas for Markdown and LaTeX.

Examples

```
## Not run:  
imgocr("path/to/test.jpg")  
imgocr("path/to/test.png", mode = "latex_ocr_turbo")  
imgocr("path/to/test.bmp", mode = "simpletex_ocr")  
  
## End(Not run)
```

Index

imgocr, [2](#)