# Package: simpletex (via r-universe)

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**Type** Package

**Title** Mathematical Formulas and Character Recognition

**Version** 1.0.4

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**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://gitlab.com/chuxinyuan/simpletex

**BugReports** https://gitlab.com/chuxinyuan/simpletex/-/issues

**Depends** R (>= 3.6)

**Imports** glue, digest, httr, jsonlite

**RoxygenNote** 7.3.1

**Suggests** testthat (>= 2.1.0), knitr, rmarkdown

**VignetteBuilder** knitr

**Encoding** UTF-8

**LazyData** false

**Repository** https://chuxinyuan.r-universe.dev

**RemoteUrl** https://gitlab.com/chuxinyuan/simpletex

**RemoteRef** HEAD

**RemoteSha** d78fd1baef8861ae3969de683f04d03783284e95

## Contents

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**imgocr**                                    *Mathematical formulas and character recognition*

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### Description

Mathematical formulas and character recognition.

### Usage

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

### Arguments

img             An image file, supporting jpg, png, bmp format.

mode            Set service model. The value can be 'latex_ocr', 'latex_ocr_turbo', or 'simple-
                tex_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)
```

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imgocr,