

Package ‘equatags’

October 13, 2022

Type Package

Title Equations to 'XML'

Version 0.2.0

Description Provides function to transform latex math expressions into format 'HTML' or 'Office Open XML Math'. The 'XML' result can then be included in 'HTML', 'Microsoft Word' documents or 'Microsoft PowerPoint' presentations by using a 'Markdown' document or the R package 'officer'.

BugReports <https://github.com/ardata-fr/equatags/issues>

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Encoding UTF-8

RoxygenNote 7.2.0

Depends R (>= 4.0.0)

Imports xml2, xslt, tools, katex

NeedsCompilation no

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Repository CRAN

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mathjax_available	<i>Is 'mathjax-node' available</i>
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Description

Checks if 'mathjax-node' is available.

'mathjax-node' should be removed with command [mathjax_uninstall\(\)](#) because it is not used anymore thanks to package 'katex'.

Usage

```
mathjax_available()
```

Value

a single logical value.

See Also

Other tools for 'mathjax-node': [mathjax_uninstall\(\)](#)

Examples

```
mathjax_available()
```

mathjax_uninstall	<i>Uninstall 'mathjax-node'</i>
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Description

Removes 'mathjax-node'.

'mathjax-node' should be removed with command [mathjax_uninstall\(\)](#) because it is not used anymore thanks to package 'katex'.

Usage

```
mathjax_uninstall()
```

Value

a single logical value, FALSE if the operation failed, TRUE otherwise.

See Also

Other tools for 'mathjax-node': [mathjax_available\(\)](#)

Other tools for 'mathjax-node': [mathjax_available\(\)](#)

Examples

```
if(mathjax_available()) {  
  mathjax_uninstall()  
}
```

transform_mathjax *'MathJax' equation as 'HTML' or 'MathML'.*

Description

Get 'HTML' or 'MathML' XML codes corresponding to the rendering of 'MathJax' equations.

Usage

```
transform_mathjax(x, to = "html")
```

Arguments

x	MathJax equations
to	output format, one of 'html' or 'mml'

Value

a character vector that contains 'html' or 'mml' codes corresponding to the equations.

Examples

```
x <- c("(ax^2 + bx + c = 0)",  
      "x = {-b \pm \sqrt{b^2-4ac} \over 2a}.")  
z <- transform_mathjax(x = x, to = "html")  
cat(z, sep = "\n\n")  
z <- transform_mathjax(x = x, to = "mml")  
cat(z, sep = "\n\n")
```

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