

# Package ‘equatags’

June 14, 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()
```

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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()  
}
```

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transform\_mathjax      *'MathJax' equation as 'HTML' or 'MathML'.*

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**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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