

Package ‘equatags’

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Type Package

Title Equations to 'XML'

Version 0.2.2

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 7.3.2

Depends R (>= 4.0.0)

Imports xml2, xslt, katex

NeedsCompilation no

Author David Gohel [aut, cre],
ArData [cph]

Maintainer David Gohel <david.gohel@ardata.fr>

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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", display = FALSE, strict = "ignore")
```

Arguments

x	MathJax equations
to	output format, one of 'html' or 'mml'
display	should the equation be in display (TRUE) or inline mode (FALSE, by default)
strict	KaTeX option. If "ignore" (default), allow features that make writing LaTeX convenient. Other options are "warn" or "error". This happens E;G;, when you use accented characters in your equations.

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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