



MATHML

ConTEXT XML

Pragma ADE / Hasselt NL

Description

This module is just a wrapper around the MATHML filters `xtag-*`. It loads support for both content and presentational math as well as the entity definitions needed. For details we refer to the CONTEX T MATHML manual and the official MATHML specification.

Structure

In addition to the official MATHML commands, we provide a simple in–line math element:

```
<m>a+t=h</m>
```

There is no additional structure here and this method should only be used in unambiguous cases, i.e. simple expressions like $a + t = h$. In no way should T_EX commands be embedded, so normally you will only use this method for formulas like the above.

Usage

This module is loaded as any module:

```
\usemodule [mathml]
```

XML example

Compared to their T_EX counterparts, formulas coded in MATHML are rather verbose and take much more tokens.

```
<math>
  <apply> <sin/>
    <apply> <plus/>
      <ci> a </ci>
      <cn> 2 </cn>
    </apply>
  </apply>
</math>
```

This is typeset as:

$$\sin(a + 2)$$

T_EX example

There are no associated T_EX commands since T_EX has its own idiom for math. The previous example can be coded as:

```
\startformula \sin(a+2) \stopformula
```

Configuring

You can influence the layout of formulas by either processing instructions or style directives. These are described in the CON_TE_XT MATHML manual.

Documentation

Details about MATHML coding and the specific processing instructions can be found in the MATHML manual that comes with CON_TE_XT. Examples can be found in the accompanying MATHML example suite.

Colofon

This manual is part of the CON_TE_XT distribution, and is authored and maintained by Hans Hagen. CON_TE_XT is developed at PRAGMA ADE, Hasselt, The Netherlands. This manual is produced on October 26, 2001.