

The latex-lab-mathintent code*

L^AT_EX Project

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Abstract

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1 Introduction

This file implements Experiments with the MathML4 `intent` feature. Initially to give readings for invisible times and function application.

2 The Implementation

1 `<@@=math>`

2 `<*kernel>`

2.1 File declaration

3 `\ProvidesFile{latex-lab-mathintent.ltx}`
4 `[2025-08-03 v0.1c MathML intent attributes]`

2.2 Invisible ops

5 `\ExplSyntaxOn`

6 `\protected\def\invisibletimes{`
7 `\if_cs_exist:N\luamml_annotate:en`

*

```

8   \luamml_annotate:en {
9     core = {[0] = 'mo', intent="times", "^^^2062"},
10  }{
11  \latelua{}
12  }
13  \fi:
14  }

15  \protected\def\functionapplication{
16  \if_cs_exist:N\luamml_annotate:en
17    \luamml_annotate:en {
18      core = {[0] = 'mo', intent="applied_to", "^^^2061"},
19    }{
20    \latelua{}
21    }
22  \fi:
23  }

```

2.3 MathML intent and arg

These commands have stub definitions in the Kernel Here we enable their active definition.

```

24  \AtBeginDocument{
25  \if_cs_exist:N \luamml_attribute:een
26  \let\MathMLintent\relax
27  \NewDocumentCommand \MathMLintent {} {
28    \luamml_attribute:een { intent }
29  }

30  \let\MathMLarg\relax
31  \NewDocumentCommand \MathMLarg {} {
32    \luamml_attribute:een { arg }
33  }
34  \fi:
35  }

36  \ExplSyntaxOff

37  </kernel>

```

2.4 Wrapper files for testphase key

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