The `latex-lab-mathintent` code*

LaTeX 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         [2026-01-16 v0.1c MathML intent attributes]
```

*

2.2 Invisible ops

```
\ExplSyntaxOn

\protected\def\invisibletimes{
\if_cs_exist:N\luamml_annotate:en
  \luamml_annotate:en {
   core = {[0] = 'mo', intent="times","^^^^2062"},
}{
 \latelua{}
}
\fi:
}

\protected\def\functionapplication{
\if_cs_exist:N\luamml_annotate:en
  \luamml_annotate:en {
   core = {[0] = 'mo', intent="applied_to","^^^^2061"},
}{
 \latelua{}
}
\fi:
}
```

2.3 MathML intent and arg

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

```
\AtBeginDocument{
\if_cs_exist:N \luamml_attribute:een
\let\MathMLintent\relax
\NewDocumentCommand \MathMLintent {} {
  \luamml_attribute:een { intent }
}

\let\MathMLarg\relax
\NewDocumentCommand \MathMLarg {} {
  \luamml_attribute:een { arg }
}
\fi:
}

\ExplSyntaxOff

⟨/kernel⟩
```

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