

# The latex-lab-mathintent code\*

L<sup>A</sup>T<sub>E</sub>X Project

July 11, 2025

Abstract

## Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>The Implementation</b>	<b>1</b>
2.1	File declaration . . . . .	1
2.2	Invisible ops . . . . .	1
2.3	Wrapper files for testphase key . . . . .	2
	<b>Index</b>	<b>2</b>

## 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 [2025-05-10 v0.1b intent experiments]
```

### 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  }

24  \ExplSyntaxOff

25  </kernel>

```

## 2.3 Wrapper files for testphase key

# Index

The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.

	<b>D</b>		<b>I</b>
\def .....	6, 15	if commands:	
		\underline{\if_cs_exist:N} .....	7, 16
		\underline{\invisibletimes} .....	6
	<b>E</b>		
\ExplSyntaxOff .....	24		<b>L</b>
\ExplSyntaxOn .....	5	\latelua .....	11, 20
		luamml commands:	
		\underline{\luamml_annotate:nn} .....	7, 8, 16, 17
	<b>F</b>		
fi commands:			<b>P</b>
\underline{\fi} .....	13, 22	\protected .....	6, 15
\functionapplication .....	15	\ProvidesFile .....	3