

# The latex-lab-amsmath code\*

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

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Abstract

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## 1 Introduction

This file implements adaptations to the `amsmath` package needed for the tagging project.

## 2 The Implementation

```
1 <@@=math>
2 <{*kernel>
```

### 2.1 File declaration

```
3 \ProvidesFile{latex-lab-amsmath.ltx}
4 [2023-01-05 v0.1a amsmath adaptions]
```

### 2.2 Tagpdf support

To make the code independent from tagging being loaded and active we load the `tagpdf-base` package:

```
5 \RequirePackage{tagpdf-base}
6 \ExplSyntaxOn
```

---

\*

## 2.3 `\intertext`

The `\intertext` command errors with active tagging as it is processed twice which leads to duplicated structures.

```

7 \AddToHook{package/amsmath/after}
8 {
9   \def\intertext@{%
10    \def\intertext##1{%
11      \ifvmode\else\\@empty\fi
12      \noalign{%
13        \penalty\postdisplaypenalty\vskip\belowdisplayskip
14        \vbox{

```

Stop tagging when measuring:

```

15      \ifmeasuring@\tag_stop:\fi
16      \normalbaselines
17      \ifdim\linewidth=\columnwidth
18      \else \parshape\@ne \@totalleftmargin \linewidth
19      \fi

```

End the previous mc:

```

20      \tag_mc_end_push:

```

We are already in a par so we change now to Span:

```

21      \tagpdfsetup{paratag=Span}%
22      \noindent\ignorespaces##1\par

```

Restart the MC

```

23      \tag_mc_begin_pop:n{}}%
24      \penalty\predisplaypenalty\vskip\abovedisplayskip%
25      }%
26    }}
27  }

```

```

28 \ExplSyntaxOff

```

```

29 </kernel>

```

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