The `latex-lab-amsmath` code*

LaTeX Project

March 9, 2023

Abstract

Contents

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`

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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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