The `latex-lab-amsmath` code*

LaTeX Project

May 25, 2023

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.

```
\AddToHook{package/amsmath/after}
 {
    \def\intertext@{%
      \def\intertext##1{%
        \ifvmode\else\\\@empty\fi
        \noalign{%
          \penalty\postdisplaypenalty\vskip\belowdisplayskip
          \vbox{
```

Stop tagging when measuring:

```
           \ifmeasuring@\tag_stop:\fi
           \normalbaselines
            \ifdim\linewidth=\columnwidth
            \else \parshape\@ne \@totalleftmargin \linewidth
            \fi
```

End the previous mc:

```
            \tag_mc_end_push:
```

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

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

Restart the MC

```
            \tag_mc_begin_pop:n{}}%
          \penalty\predisplaypenalty\vskip\abovedisplayskip%
        }%
    }}
  }
\ExplSyntaxOff
⟨/kernel⟩
```

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