

L^AT_EX News

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Introduction

This document is under construction ...

Other changes to the L^AT_EX kernel

`\symbol` in math mode for large Unicode values

The L^AT_EX 2_ε kernel defines the command `\symbol`, which allows characters to be typeset by entering their ‘slot number’. With the Lua_T_EX and X_YL^AT_EX engines, these slot numbers can extend to very large values to accomodate Unicode characters in the upper Unicode planes (e.g., bold mathematical capital A is slot number "1D400 in hex or 119808 in decimal). The X_YL^AT_EX engine did not allow `\symbol` in math mode for values above 2¹⁶, and this limitation has now been lifted.

(github issue 124)

Spacing issues when using `\linethickness`

In some circumstances the use of `\linethickness` introduced a spurious space that shifted objects in a `picture` environments to the right. This has been corrected.

(github issue 270)

Adjusting `fleqn`

In `amsmath` the `\mathindent` parameter used with the `fleqn` design is a rubber length paramter allowing for setting it to a value such as `1em minus 1em`, i.e., so the the normal indentation can be reduced in case of very wide math displays. This is now also supported by the L^AT_EX standard classes.

In addition a compressable space between formula and equation number in the `equation` environment got added when the `fleqn` option is used so that a very

wide formula doesn’t bump into the equation number.

(github issue 252)

Changes to packages in the tools category

Support stretchable glue in `w`-columns

If stretchable glue, e.g., `\dotfill`, is used in `tabular` columns made with the `array` package, it stretches as it would in normal paragraph text. The one exception were `w`-columns (but not `W`-columns) were it got forced to its nominal width (which in case if `\hfill` or `\dotfill` is 0pt). This has been corrected and now `w`-columns behave like all other column types in this respect.

(github issue 270)

Changes to packages in the `amsmath` category

Placement corrections for two accent commands

The accent commands `\ddddot` and `\dddot` (producing triple and quatruple dot accents) moved the base character vertically in certain situations if it was a single glyph, e.g., `$Q \dddot{Q}$` were not at the same baseline. This has been corrected.

(github issue 126)