

Unicode \Leftrightarrow L^AT_EX conversion test

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Abstract

Conversion between Unicode characters and L^AT_EX commands. Should work to the best extent with the support provided by MathJax, and correspond to the characters produced in the pdf file.

1 Presentation

We start with a configuration file giving the relations between Unicode characters and L^AT_EX commands.

The generation program provides a package `unicodeintex.sty` such that using `\usepackage{unicodeintex}` allows to use the Unicode characters in the `.tex` file instead of the commands.

The scripts `uni2tex` and `tex2uni` are tools to do the substitution for people not supporting Unicode, or not having the package `unicodeintex`...

2 Conflicts

\leq for `\leqslant` and \leq for `\leq`

We do not have the same `\cdot`

\perp not clear: U22A5 (downtack) or U27C2 (perpendicular) ? \parallel not clear: U2225 (parallel to) or U2016 (double vertical line)

Σ \sum for `\Sigma` or `\sum` (same for product and pi)

3 Test cases

« guillemets » français.

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σ_1 and σn
 test and $\langle \rangle \|\dot{\alpha}\bar{\rho}c\bar{\rho}\|$
 $a \dots b_{\kappa}^{\frac{2}{\kappa}}$ pouet (??)
 blabla ?? and [?] *oula* et *oula*
 ouet

4 Known bugs

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Reverse translation from L^AT_EX to unicode will fail if a command is inside a `\verb?...?` environment.

\mapsto is a bug when viewing the dvi from evince