uspace user manual

v0.04

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1 Introduction

This LTEX package gives useful meaning to various Unicode space characters so that they fulfill their intended function when used in LTEX source. It uses \newunicodechar macro to do it. Its source is hosted on GitHub in wilx/project-uspace repository.

Here is a list of the implemented characters and their implementations:

ZERO WIDTH SPACE (U+200B)	\hspace{0pt}
NARROW NO-BREAK SPACE (U+202F)	\leavevmode
NON-BREAKING SPACE ¹ (U+00A0)	~
SOFT HYPHEN ¹ (U+00AD)	\-
EM QUAD ² (U+2001)	
EM SPACE ² (U+2001)	
en quad³ (U+2000)	\enskip
EN SPACE ³ (U+2000)	\enskip
THREE-PER-EM SPACE (U+2004)	\ hspace {0.33333em}
FOUR-PER-EM SPACE (U+2005)	\hspace{0.25em}
SIX-PER-EM SPACE (U+2006)	\hspace {0.16667em}
FIGURE SPACE (U+2007)	$\label{leavevmode} \$
PUNCTUATION SPACE (U+2008)	\hspace {\fontcharwd \font `}
THIN SPACE (U+2009)	$\label{lem:leavevmode} \$
HAIR SPACE (U+200A)	\hspace{0.08333em}
LINE SEPARATOR (U+2028)	\newline

NEXT LINE (NEL) (U+0085)	\newline
PARAGRAPH SEPARATOR (U+2029)	\csname par\endcsname

2 History

This package would not be what it is without help and comments from people of TEX, MTEX and Friends StackExchange chat room and the TEX.SE site itself.

- **v0.04** Add implementation for LINE SEPARATOR, NEXT LINE (NEL) and PARAGRAPH SEPARATOR.
- v0.03 Change implementation for PUNCTUATION SPACE and THIN SPACE to fix issues with line wrapping when using these characters.
- **v0.02** Round lengths to five digits after decimal point. List also Unicode code point values beside character names.
- **v0.01** First published version of this package.

¹This already defined for pdfFTEX because we use inputenc with utf8 option when compiling with pdfFTEX, therefore this is only defined for LuaFTEX and XHTEX.

²According to Unicode, these two are canonically equivalent. See http://unicode.org/notes/tn5/ for explanation of the term.

³These two are also canonically equivalent. See previous footnote.