

**NAME**

ptex, uptex, eptex, euptex – Japanese "Publishing TeX"

**SYNOPSIS**

**ptex** [*options*] [**&format**] [*file*|\*commands*]

**DESCRIPTION**

pTeX (**ptex**) is a T<sub>E</sub>X engine with extensions for Japanese typesetting, including features related to line breaking rules, inter-character spacing and vertical writing. It was first developed by ASCII Corporation, in the aim of providing a Japanese T<sub>E</sub>X which can be used for commercial publishing. For pTeX, the character set available is limited to JIS X 0208, namely JIS level-1 and level-2.

upTeX (**uptex**) is a Unicode-enabled pTeX with extensions for better handling of CJK (Chinese, Japanese and Korean) multilingual documents. It has been developed by Takuji Tanaka since 2007.

e-pTeX (**eptex**) is a merge of e-T<sub>E</sub>X and pTeX.

e-upTeX (**euptex**) is a merge of e-T<sub>E</sub>X and upTeX.

In the following sections, we refer to these engines as (e-)(u)pTeX.

(e-)(u)pTeX's handling of its command-line arguments is similar to that of the other T<sub>E</sub>X programs in the *web2c* implementation.

**OPTIONS**

Here we list only additions/deletions of command line options which are specific to (e-)(u)pTeX. For (u)pTeX, other options are similar to T<sub>E</sub>X. For e-(u)pTeX, other options are similar to e-T<sub>E</sub>X.

Additions (supported by ptexenc library):

**-kanji** *string*

Sets the input Japanese *Kanji* code. The *string* can be either *euc* (EUC-JP), *jis* (ISO-2022-JP), *sjis* (Shift\_JIS), and *utf8* (UTF-8). For (e-)upTeX, *uptex* is also allowed.

**-kanji-internal** *string*

Sets the internal *Kanji* code. The string can be either *euc*, and *sjis*. For (e-)upTeX, *uptex* is also allowed.

Deletions:

**-enc** In this version of (e-)(u)pTeX, encT<sub>E</sub>X extensions are *not* available.

**SEE ALSO**

**tex(1)**, **etex(1)**.

Reference manual: <<https://github.com/texjporg/ptex-manual>>

**AUTHORS**

This version of (e-)(u)pTeX is maintained by Japanese T<sub>E</sub>X Development Community <<https://texjp.org>>. For bug reports, open an issue at GitHub repository <<https://github.com/texjporg/tex-jp-build>>, or send an e-mail to <[issue@texjp.org](mailto:issue@texjp.org)>.

This manual page was written by Hironobu Yamashita.