

**NAME**

pbibtex, upbibtex – make a (Japanese) bibliography for (La)TeX

**SYNOPSIS**

**pbibtex** [*options*] *auxname*[.aux]

**DESCRIPTION**

pBIB<sub>TEX</sub> (**pbibtex**) is a modified version of BIB<sub>TEX</sub> for Japanese handling. It sorts entries according to code points in EUC-JP. Also, a new built-in function **is.kanji.str\$** which determines whether an entry is outside ASCII is introduced.

upBIB<sub>TEX</sub> (**upbibtex**) is a modified version of pBIB<sub>TEX</sub>, which sorts entries according to code points in Unicode.

**Extensions to Bibliography Style Functions**

A new built-in function is available, and some other functions are modified to simplify Japanese handling.

**is.kanji.str\$**

[New feature] Pops the top (string) literal to see if it contains any non-ASCII characters. Pushes 1 if it contains at least one, 0 if not.

**substring\$**

Modified to avoid dividing a character string in the middle of a multibyte character.

**text.prefix\$**

Similar modification to **substring\$** described above.

**add.period\$**

Modified to prevent appending "." after Japanese punctuations corresponding to "!", "?", and "." (e.g. U+FF01, U+FF1F, U+3002 and U+FF0E).

**format.name\$**

Modified to accept Japanese *zenkaku* ideographic space (U+3000) for names displayed in Japanese. Also modified to recognize Japanese commas (U+3001 and U+FF0C) similar to "and" between names.

**SEE ALSO**

**bibtex(1)**, **ptex(1)**.

**AUTHORS**

Japanese version of BIB<sub>TEX</sub> was originally developed by Shouichi Matsui as JBIB<sub>TEX</sub> until 1991. It was developed to behave consistently with NTT JT<sub>EX</sub> in handling legacy Japanese encodings. The old documentations *jbibtex.pdf*, *jbtxdoc.tex*, *jbtxhak.tex* (all available in T<sub>EX</sub> Live) describe Japanese handling capability and some additional notes of JBIB<sub>TEX</sub>.

Current (u)pBIB<sub>TEX</sub> is a forked version of JBIB<sub>TEX</sub>, and has replaced the encoding conversion routine with one that is compatible with (u)pT<sub>EX</sub> community edition using the *ptexenc* library. Note that descriptions of encodings in the old documentations *j\*.pdf* (especially Section 3.3 of *jbibtex.pdf*, such as **BIBTERMCODE** and **BIBFILECODE**) are incorrect anymore.

This manual page was written by Hironobu Yamashita.