XヨムTĘX-ja パッケージ

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1 はじめに

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これは XHATEX で和文組版を行う実験的なパッケージである。

1.1 使い方

本パッケージは XHATEX 上で動作する。

\usepackge で読み込む。

 $\verb|\usepackage[|\langle options \rangle|] \{ \texttt{xelatexja} \}$

オプションは以下の通り。

- tate:文書全体を縦組みにする。
- jascale= $\langle fpexpr \rangle$:和文フォントスケールを指定する。
- jfm= $\langle name \rangle$: JFM を指定する。

本パッケージは $X_{\Xi}T_{E}X$ の「文字間トークン自動挿入機能」を独占的に利用する。これらを利用する他のパッケージとは共存できない。

2 expl3 インターフェイス

2.1 組方向

 $\label{limit} $$ \vec{true code} \ {\langle false code\rangle} \ \vec{true code} \ {\langle false code\rangle} \ \vec{true code} \ \vec{true code$

文書全体が縦組かどうかの条件式。

\xltj_if_tate_text_p: * \xltj_if_tate_text:TF {\langle code \rangle} {\langle false code \rangle} \xltj_if_tate_text: TF * 現在の組方向が縦組かどうかの条件式。

2.2 フォント

\xltj_get_jascale: * \xltj_get_jascale:

和文フォントスケール値を取得する。

\l_xltj_zw_dim 和文文字サイズ。 \zw

2.3 文字クラス

 $\verb|\xltj_class_new_kanji:n \xltj_class_new_kanji:n \aligned \alig$

和文文字クラスを新規に作成する。

 $\verb|\xltj_class_new_alpha:n \xltj_class_new_alpha:n \&\langle class\rangle|$

欧文文字クラスを新規に作成する。

 $\label{lem:linear} $$ \xltj_class_new_kanji:nn {$\langle class \rangle$} {\langle integer \rangle$} $$$

\newXeTeXintercharclass で作成した文字クラスを和文文字クラスとして定義する。

 $\label{lem:linear} $$ \x = \sum_{n \in \mathbb{Z}} {\langle class \rangle} \ {\langle integer \rangle} $$$

\newXeTeXintercharclass で作成した文字クラスを欧文文字クラスとして定義する。

kanji/default alpha/default boundary ignored

定義済み文字クラス。

kanji/default デフォルトの和文文字クラス。

alpha/default デフォルトの欧文文字クラス。

boundary 文字境界。

ignored 無視される文字。

 $\x| t_j_{char_set_class:nn} \x| t_j_{char_set_class:nn} {\langle charcode \rangle} {\langle class \rangle}$

文字コードが〈charcode〉の文字の文字クラスを〈class〉 に設定する。

 $\x| \c char_set_class_range:nnn \c char_set_class_range:nnn { \c charcode_1 \} { \c charcode_2 \} { \c class \}$

文字コードが $\langle charcode_1 \rangle$ から $\langle charcode_2 \rangle$ の文字の文字クラスを $\langle class \rangle$ に設定する。

\xltj_class_update: \xltj_class_update:

文字クラス設定を更新する。

組版パラメーター

和文間空白(kanjiskip)を⟨tl⟩ に設定する。

\xltj_get_kanjiskip: * \xltj_get_kanjiskip:

kanjiskip を取得する。

 $\xline xltj_set_xkanjiskip:n \xltj_set_xkanjiskip:n {\langle tl \rangle}$

和欧文間空白(xkanjiskip)を⟨tl⟩ に設定する。

\xltj_get_xkanjiskip: * \xltj_get_xkanjiskip:

xkanjiskip を取得する。

2.4.1 グルー・カーン

\xltj_jfm_set_kern:nnn

 $\time {class_1} \ {\langle class_2 \rangle} \ {\langle kern \rangle}$

> 和文文字クラス間に挿入するグルー・カーンを設定する。(glue) および(kern) は挿入時に 評価される。グルーとカーンを同時に設定することはできず、後から設定した方で上書き される。

 $\xline \xspace \xline \xline$

和文文字クラス間に挿入するグルー・カーンを削除する。

2.4.2 文字幅調整

```
\xilingtriangleright \x\ltj_jfm_set_precharwd:nn \\\x\ltj_jfm_set_precharwd:nn \(\langle\chi\x)\} \{\langle\chi\xiling\rangleright}
\verb|\xltj_jfm_set_postcharwd:nn \xltj_jfm_set_postcharwd:nn {|\langle class \rangle|} {|\langle width \rangle|}
```

和文文字クラスの文字幅調整を設定する。例えば全角の括弧類・句読点類を半角で組むた めに -0.5\zw を設定する。

```
\xline 
\xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline \xline
```

和文文字クラスの文字幅調整を削除する。

2.4.3 禁則ペナルティ

```
\x|tj_jfm_set_prebreakpenalty:nn \x|tj_jfm_set_prebreakpenalty:nn \eqref{class} \eqref{class} \eqref{class} \eqref{class}
\xiling_{jfm\_set\_postbreakpenalty:nn} \xiling_{jfm\_set\_postbreakpenalty:nn} {\langle class \rangle} {\langle intexpr \rangle}
```

和文文字クラス〈class〉の行頭・行末禁則ペナルティーを〈intexpr〉に設定する。

```
\xilingtriangleright x \x\ltj_jfm_clear_prebreakpenalty:n \x\ltj_jfm_clear_prebreakpenalty:n \{\langle class \rangle\}
\xltj_jfm_clear_postbreakpenalty:n \xltj_jfm_clear_postbreakpenalty:n {\class\}
```

和文文字クラス(class)の行頭・行末禁則ペナルティー削除する。

2.4.4 和欧文間空白挿入設定

 $\xltj_jfm_set_xspmode:nn \xltj_jfm_set_xspmode:nn {\langle class \rangle} {\langle xspmode \rangle}$

文字クラス(class)の前後に和欧文間空白の挿入を許可するかどうかを設定す る。〈xspmode〉 に指定できる値は以下の

inhibit 文字の前後とも和欧文間空白の挿入を許可しない。

preonly 文字の前のみ和欧文間空白の挿入を許可し、後ろには許可しない。

postonly 文字の後ろのみ和欧文間空白の挿入を許可し、前には許可しない。

allow 文字の前後とも和欧文間空白の挿入を許可する。(デフォルト)

2.5 ボックス

```
\verb|\xltj_box_yjabaselineshift:n \xltj_box_yjabaselineshift:n \aligned \{\begin{center} $\langle box\ function \rangle$ \} \end{center}
                     \xltj_box_tjabaselineshift:n
                                                                                                      ボックスを和文ベースライン補正して挿入する。
\verb|\xltj_yoko_in_tate_hbox:n \xltj_yoko_in_tate_hbox:n \aligned \{ contents \aligned \} \\
                     \xltj_yoko_in_tate_hbox_to_wd:nn \xltj_yoko_in_tate_hbox_to_wd:nn {$\langle dimexpr \rangle$} {\langle contents \rangle$}
                     \xltj_yoko_in_tate_hbox_to_zero:n \xltj_yoko_in_tate_hbox_to_zero:n {\langle contents \rangle}
                     \xltj_yoko_in_tate_hbox_set:Nn
                                                                                                                                                   \xltj_yoko_in_tate_hbox_set:Nn \langle box \ \{\contents\}
                     \xltj_yoko_in_tate_hbox_set:cn
                     \xltj_yoko_in_tate_hbox_gset:Nn
                     \xltj_yoko_in_tate_hbox_gset:cn
                     \xltj_yoko_in_tate_hbox_set_to_wd:Nnn
                                                                                                                                                                              \verb|\xltj_yoko_in_tate_hbox_set_to_wd:Nnn| \langle box \rangle | \{\langle dimexpr \rangle\}|
                     \xltj_yoko_in_tate_hbox_set_to_wd:cnn
                                                                                                                                                                               \{\langle contents \rangle\}
                     \xltj_yoko_in_tate_hbox_gset_to_wd:Nnn
                     \xltj_yoko_in_tate_hbox_gset_to_wd:cnn
                     \xspace \xsp
                     \xltj_yoko_in_tate_hbox_overlap_right:n \xltj_yoko_in_tate_hbox_overlap_right:n {\langle contents \rangle}
                     \xltj_yoko_in_tate_hbox_overlap_left:n \xltj_yoko_in_tate_hbox_overlap_left:n {\langle contents \rangle}
\xline 
                     \xltj_yoko_in_tate_vbox_to_ht:nn \xltj_yoko_in_tate_vbox_to_ht:nn {$\langle dimexpr \rangle$} {\langle contents \rangle$}
                     \xspace{0.1cm} $$ \x tj_yoko_in_tate_vbox_to_zero:n \xltj_yoko_in_tate_vbox_to_zero:n \{\langle contents\rangle\} }
                     \xltj_yoko_in_tate_vbox_set:Nn \xltj_yoko_in_tate_vbox_set:Nn \box\ {\langle contents\}
                     \xltj_yoko_in_tate_vbox_set:cn
                     \xltj_yoko_in_tate_vbox_gset:Nn
                     \xltj_yoko_in_tate_vbox_gset:cn
```

```
\xline 
                    \xltj_yoko_in_tate_vbox_set_to_ht:Nnn
                    \xltj_yoko_in_tate_vbox_set_to_ht:cnn
                                                                                                                                                                          \{\langle contents \rangle\}
                    \xltj_yoko_in_tate_vbox_gset_to_ht:Nnn
                    \xltj_yoko_in_tate_vbox_gset_to_ht:cnn
\xltj_tate_in_yoko_hbox:n \xltj_tate_in_yoko_hbox:n {\langle contents \rangle}
                    \xltj_tate_in_yoko_hbox_to_wd:nn \xltj_tate_in_yoko_hbox_to_wd:nn {\dimexpr\} {\langle contents \rangle}
                    \xltj_tate_in_yoko_hbox_to_zero:n \xltj_tate_in_yoko_hbox_to_zero:n {$\langle contents \rangle$}
                                                                                                                                               \time \tim
                    \xltj_tate_in_yoko_hbox_set:Nn
                    \xltj_tate_in_yoko_hbox_set:cn
                    \xltj_tate_in_yoko_hbox_gset:Nn
                    \xltj_tate_in_yoko_hbox_gset:cn
                    \xltj_tate_in_yoko_hbox_set_to_wd:Nnn
                                                                                                                                                                          \xilingty x = in_yoko_hbox_set_to_wd:Nnn \xilingty \{ \xilingty \} 
                    \xltj_tate_in_yoko_hbox_set_to_wd:cnn
                                                                                                                                                                          \{\langle contents \rangle\}
                    \xltj_tate_in_yoko_hbox_gset_to_wd:Nnn
                    \xltj_tate_in_yoko_hbox_gset_to_wd:cnn
                    \verb|\x|tj_tate_in_yoko_hbox_overlap_center:n \x|tj_tate_in_yoko_hbox_overlap_center:n \aligned & \langle contents \rangle \}|
                    \xltj_tate_in_yoko_hbox_overlap_right:n \xltj_tate_in_yoko_hbox_overlap_right:n {\langle contents \rangle}
                    \xilingty \xltj_tate_in_yoko_hbox_overlap_left:n \xltj_tate_in_yoko_hbox_overlap_left:n \{\langle contents \rangle\}
\xil tj_tate_in_yoko_vbox:n \xil tj_tate_in_yoko_vbox:n {$\langle contents \rangle$}
                    \xltj_tate_in_yoko_vbox_to_ht:nn \xltj_tate_in_yoko_vbox_to_ht:nn {$\langle dimexpr \rangle$} {\langle contents \rangle}
                    \verb|\x| tj_tate_in_yoko_vbox_to_zero:n \x| tj_tate_in_yoko_vbox_to_zero:n \&\langle contents \rangle \}|
                                                                                                                                              \verb|\xltj_tate_in_yoko_vbox_set:Nn| \langle box \rangle | \{\langle contents \rangle\}|
                    \xltj_tate_in_yoko_vbox_set:Nn
                    \xltj_tate_in_yoko_vbox_set:cn
                    \xltj_tate_in_yoko_vbox_gset:Nn
                    \xltj_tate_in_yoko_vbox_gset:cn
```

```
\xltj_tate_in_yoko_vbox_set_to_ht:cnn
                                                \{\langle contents \rangle\}
        \xltj_tate_in_yoko_vbox_gset_to_ht:Nnn
        \xltj_tate_in_yoko_vbox_gset_to_ht:cnn
                                  実装
                               1 (*package)
                               2 (@@=xltj)
                               XfTfX が必要。
                               3 \msg_new:nnn { xelatexja } { needs-xetex }
                                  { XeLaTeX-ja~needs~XeTeX. }
                               5 \sys_if_engine_xetex:F
                                     \msg_critical:nn { xelatexja } { needs-xetex }
                               依存パッケージの読込。
                               9 \RequirePackage{13keys2e,xparse}
                                   変数
                             3.1
                            文書全体が縦組かどうかを表す変数。
\g__xltj_tate_document_bool
                               10 \bool_new:N \g__xltj_tate_document_bool
                             (End definition for \g__xltj_tate_document_bool.)
   \l__xltj_tate_text_bool 現在の組方向が縦組かどうかを表す変数。
                               11 \bool_new:N \l__xltj_tate_text_bool
                             (End\ definition\ for\ \l_xltj\_tate\_text\_bool.)
        \g__xltj_jascale_fp 和文フォントスケール値。
                               12 \fp_new:N \g__xltj_jascale_fp
                               ^{13} fp_gset:Nn g_xltj_jascale_fp { 1 }
                             (End\ definition\ for\ \g_xltj_jascale_fp.)
             \1_xltj_zw_dim 和文フォント全角寸法。
                             14 \dim_new:N \l_xltj_zw_dim
                               15 \cs_new_eq:NN \zw \l_xltj_zw_dim
                             (End definition for \l_xltj_zw_dim and \zw. These functions are documented on page 3.)
     \1__xltj_kanjiskip_tl 和文文字間に挿入するグルー。
                               16 \tl_new:N \l__xltj_kanjiskip_tl
                               _{\mbox{\scriptsize 17}} \tl_set:\n \l__x\ltj_kanjiskip_tl { 0.0pt plus 0.4pt minus 0.5pt }
```

(End definition for \l__xltj_kanjiskip_tl.)

\xltj_tate_in_yoko_vbox_set_to_ht:Nnn

\xltj_tate_in_yoko_vbox_set_to_ht:Nnn \langle box \ \{\langle dimexpr\}\

```
\l__xltj_xkanjiskip_tl 和欧文間に挿入するグルー。
                                18 \tl_new:N \l__xltj_xkanjiskip_tl
                                19 \tl_set:Nn \l__xltj_xkanjiskip_tl { 0.25\l_xltj_zw_dim plus 1.0pt minus 1.0pt }
                              (End definition for \l__xltj_xkanjiskip_tl.)
\l__xltj_noautospacing_bool
                                20 \bool_new:N \l__xltj_noautospacing_bool
\l__xltj_noautoxspacing_bool
                                21 \bool_new:N \l__xltj_noautoxspacing_bool
                              (End\ definition\ for\ \verb|\l_x|tj_noautospacing_bool|\ and\ \verb|\l_x|tj_noautoxspacing_bool|)
        \g__xltj_jfm_name_tl
                                22 \tl_new:N \g__xltj_jfm_name_tl
                              (End\ definition\ for\ \g_{\tt \_xltj\_jfm\_name\_tl.})
\l__xltj_yjabaselineshift_tl それぞれ横組み・縦組みでの和文ベースラインの補正値。(u)plfTpX とは異なり欧文では
\l__xltj_tjabaselineshift_tl なく和文に対して補正を行う。正の値が設定されている場合、和文のベースラインを指定
                              値だけ行送り方向に移動する。
                                23 \tl_new:N \l__xltj_yjabaselineshift_tl
                                \verb| 'tl_new:N | l_xltj_tjabaselineshift_tl| \\
                                ^{25} \tl_set:Nn \l__xltj_yjabaselineshift_tl { 0\l_xltj_zw_dim }
                                26 \tl_set:Nn \l__xltj_tjabaselineshift_tl { -0.38\l_xltj_zw_dim }
                              (\mathit{End \ definition \ for \ l\_xltj\_yjabaselineshift\_tl \ \mathit{and \ l\_xltj\_tjabaselineshift\_tl.}})
           \l_xltj_tmpa_dim 一時変数。
                                27 \dim_new:N \l__xltj_tmpa_dim
           \l__xltj_tmpa_int
                                28 \int_new:N \l__xltj_tmpa_int
           \l__xltj_tmpa_seq
                                29 \seq_new:N \l__xltj_tmpa_seq
            \l__xltj_tmpa_tl
                                30 \tl_new:N \l__xltj_tmpa_tl
                                31 \tl_new:N \l__xltj_tmpb_tl
            \l__xltj_tmpb_tl
                              (End\ definition\ for\ \l_xltj\_tmpa\_dim\ and\ others.)
                              3.2 ヘルパー関数
                                32 \cs_new:Npn \__xltj_swap_dim:NN #1#2
                                33
                                      \dim_set_eq:NN \l__xltj_tmpa_dim #1
                                      \dim_set_eq:NN #1 #2
                                35
                                       \dim_set_eq:NN #2 \l__xltj_tmpa_dim
                                    オプション
                              3.3
                                38 \keys_define:nn { xelatexja }
                                39
                                40
                                      tate .bool_gset:N = \g__xltj_tate_document_bool,
                                      jascale .fp_gset:N = \g__xltj_jascale_fp,
                                41
                                      jfm .tl_gset:N = \g__xltj_jfm_name_tl,
                                42
```

```
44 \keys_set:nn { xelatexja } { jfm = standard }
                             45 \ProcessKeysOptions { xelatexja }
                                 組方向
                           3.4
                             46 \bool_set_eq:NN \l__xltj_tate_text_bool \g__xltj_tate_document_bool
                           文書全体が縦組かどうかの条件式。
\xltj_if_tate_document_p:
                             47 \prg_new_conditional:Npnn \xltj_if_tate_document: { p, T, F, TF }
\xltj_if_tate_document: <u>TF</u>
                                 {
                             48
                                   \bool_if:NTF \g__xltj_tate_document_bool
                             49
                                     { \prg_return_true: } { \prg_return_false: }
                             50
                           (End definition for \xltj_if_tate_document:TF. This function is documented on page 3.)
                           現在の組方向が縦組かどうかの条件式。
   \xltj_if_tate_text_p:
                             52 \prg_new_conditional:Npnn \xltj_if_tate_text: { p, T, F, TF }
    \xltj_if_tate_text: TF
                                   \bool_if:NTF \l__xltj_tate_text_bool
                             54
                             55
                                     { \prg_return_true: } { \prg_return_false: }
                                 }
                             56
                           (End definition for \xltj_if_tate_text:TF. This function is documented on page 3.)
                           3.5
                                  フォント
                             57 \dim_new:N \l_xltj_em_dim
                             58 \tl_new:N \l__xltj_yoko_kanji_font_tl
                             59 \tl_new:N \l__xltj_tate_kanji_font_tl
                             60 \tl_new:N \l__xltj_alpha_font_tl
                             61 \cs_new:Npn \xltj_set_yoko_kanji_font:n #1
                                { \tl_set:Nn \l__xltj_yoko_kanji_font_tl {#1} }
                             63 \cs_new:Npn \xltj_set_tate_kanji_font:n #1
                                { \tl_set:Nn \l__xltj_tate_kanji_font_tl {#1} }
                             65 \cs_new:Npn \xltj_set_alpha_font:n #1
                                { \tl_set:Nn \l__xltj_alpha_font_tl {#1} }
                             67 \cs_generate_variant:Nn \xltj_set_yoko_kanji_font:n { x }
                             68 \cs_generate_variant:Nn \xltj_set_tate_kanji_font:n { x }
                             69 \cs_generate_variant:Nn \xltj_set_alpha_font:n { x }
       \xltj_get_jascale: 和文フォントスケール値を取得する。
                             70 \cs_new:Npn \xltj_get_jascale:
                                 { \fp_use:N \g__xltj_jascale_fp }
                           (End definition for \xltj_get_jascale:. This function is documented on page 3.)
                             72 \hook_gput_code:nnn { selectfont } { . }
                             73
                                 {
                             74
                                   \dim_set:Nn \l_xltj_zw_dim
                             75
                                     { \fp_to_dim:n { \g_xltj_jascale_fp * \f@size } }
                                   \dim_set:Nn \l_xltj_em_dim { 1em }
```

```
\xltj_set_yoko_kanji_font:x
78
        {
          \exp_not:N \__xltj_select_yoko_kanji_font:nnnn
79
            { \l__xltj_kanji_family_tl }
80
            { \f@series } { \f@shape } { \f@size }
81
82
      \xltj_set_tate_kanji_font:x
83
          \exp_not:N \__xltj_select_tate_kanji_font:nnnn
            { \l_xltj_kanji_family_tl }
            { \f@series } { \f@shape } { \f@size }
87
88
      \xltj_set_alpha_font:x { \tex_the:D \tex_font:D }
89
90
和文フォントエンコーディング。横組みは JY4、縦組みは JT4。
91 \str_const:Nn \c_xltj_yoko_encoding_str { JY4 }
92 \str_const:Nn \c_xltj_tate_encoding_str { JT4 }
93 \prop_new:N \g__xltj_kanji_family_prop
94 \prop_new:N \g__xltj_kanji_shape_prop
95 \tl_new:N \l__xltj_kanji_family_tl
  \cs_new:Npn \xltj_declare_kanji_family:nn #1#2
97
      \prop_gput:Nnn \g__xltj_kanji_family_prop {#1} {#2}
  \cs_generate_variant:Nn \xltj_declare_kanji_family:nn { xn }
  \cs_new:Npn \xltj_declare_kanji_shape:nnnn #1#2#3#4
101
102
      104
  \cs_generate_variant:Nn \xltj_declare_kanji_shape:nnnn { xxxx }
105
  \cs_new:Npn \xltj_set_kanji_family:n #1
      \tl_set:Nx \l__xltj_kanji_family_tl {#1}
108
109
  \cs_generate_variant:Nn \xltj_set_kanji_family:n { x }
  \cs_new:Npn \__xltj_select_yoko_kanji_font:nnnn #1#2#3#4
      \__xltj_select_kanji_font:nnnnn
        { \c_xltj_yoko_encoding_str } {#1} {#2} {#3} {#4} {}
114
      \xltj_set_yoko_kanji_font:x { \tex_the:D \tex_font:D }
115
    }
116
  \cs_new:Npn \__xltj_select_tate_kanji_font:nnnn #1#2#3#4
118
    {
      \__xltj_select_kanji_font:nnnnnn
119
        { \c_xltj_tate_encoding_str } {#1} {#2} {#3} {#4} { vertical }
120
      \xltj_set_tate_kanji_font:x { \tex_the:D \tex_font:D }
  \cs_new:Npn \__xltj_select_kanji_font:nnnnnn #1#2#3#4#5#6
124
      \exp_args:Nc \__xltj_select_kanji_font:Nnnnnn
125
```

```
{ #1/#2/#3/#4/#5 } {#2} {#3} {#4} {#5} {#6}
126
    }
  \cs_new:Npn \__xltj_select_kanji_font:Nnnnnn #1#2#3#4#5#6
128
129
       \cs_if_exist:NF #1
130
131
           \__xltj_select_kanji_font_new:Nnnnnn
             #1 {#2} {#3} {#4} {#5} {#6}
133
        }
135
      #1
    }
136
  \cs_new:Npn \__xltj_select_kanji_font_new:Nnnnnn #1#2#3#4#5#6
137
138
       \dim_set:Nn \l__xltj_tmpa_dim
139
         { \fp_to_dim:n { #5 * \g_xltj_jascale_fp } }
140
       \seq_clear:N \l__xltj_tmpa_seq
       \seq_put_right: Nn \l__xltj_tmpa_seq { #2/#3/#4 }
       \tl_if_eq:nnF {#4} { n }
143
         144
       \tl_if_eq:nnF {#3} { m }
145
        { \left\{ \sum_{i=1}^{n} 1_{i=1}^{n} 1_{i=1}^{n} \right\} }
146
       \tl_if_eq:nnF {#2} { mc }
147
         { \seq_put_right: Nn \l__xltj_tmpa_seq { mc/m/n } }
148
       \seq_map_inline:Nn \l__xltj_tmpa_seq
149
150
           \__xltj_select_kanji_font_new_try:NnnnT #1
             {##1} { \l__xltj_tmpa_dim } {#6}
               \tl_if_eq:nnF { #2/#3/#4 } {##1}
155
                 {
                   \msg_warning:nnxx { xelatexja } { kanji-shape-instead }
156
                     { #2/#3/#4 } {##1}
158
               \seq_map_break:n { \use_none:n }
159
             }
160
        }
161
           \msg_error:nnx { xelatexja } { kanji-shape-undefined }
             { #2/#3/#4 }
           \cs_gset_eq:NN #1 \nullfont
165
        }
166
    }
167
   \msg_new:nnn { xelatexja } { kanji-shape-instead }
168
    { Kanji~shape~'#1'~undefined.~using '#2'~instead. }
   \msg_new:nnn { xelatexja } { kanji-shape-undefined }
170
    { Kanji~shape~'#1'~undefined. }
  \prg_new_conditional:Npnn \__xltj_select_kanji_font_new_try:Nnnn #1#2#3#4
172
    { T }
174
       \prop_get:NnNTF \g__xltj_kanji_shape_prop {#2}
175
         \l__xltj_tmpa_tl
176
177
           \tl_if_empty:nF {#4}
```

```
{
                     179
                                    \tl_if_in:NnTF \l__xltj_tmpa_tl { : }
                     180
                                      { \tl_put_right: Nn \l__xltj_tmpa_tl { , #4 } }
                     181
                                      { \tl_put_right:Nn \l__xltj_tmpa_tl { : #4 } }
                     182
                                  }
                     183
                                \exp_args:NNV
                     184
                                  \__xltj_new_kanji_font:Nnn #1 \l__xltj_tmpa_tl {#3}
                     185
                                \prg_return_true:
                     186
                     188
                              {
                                \prg_return_false:
                     189
                     190
                     191
                        \cs_new:Npn \__xltj_new_kanji_font:Nnn #1#2#3
                     192
                     193
                            \tex_global:D \tex_font:D #1 = "#2" ~ at ~ #3 \scan_stop:
                     194
                           フォント設定
                    3.5.1
                    明朝(mc)とゴシック(gt)ファミリーを定義する。
                     196 \xltj_declare_kanji_family:nn { mc } {}
                     197 \xltj_declare_kanji_family:nn { gt } {}
                        \xltj_declare_kanji_shape:nnnn { mc } { m } { n }
                          { [HaranoAjiMincho-Regular.otf]:+fwid }
                        \xltj_declare_kanji_shape:nnnn { gt } { m } { n }
                     200
                          { [HaranoAjiGothic-Medium.otf]:+fwid }
                     202 \xltj_declare_kanji_shape:nnnn { mc } { b } { n }
                          { [HaranoAjiGothic-Medium.otf]:+fwid }
                     204 \xltj_declare_kanji_shape:nnnn { gt } { b } { n }
                          { [HaranoAjiGothic-Medium.otf]:+fwid }
                        \xltj_declare_kanji_shape:nnnn { mc } { bx } { n }
                          { [HaranoAjiGothic-Medium.otf]:+fwid }
                        \xltj_declare_kanji_shape:nnnn { gt } { bx } { n }
                          { [HaranoAjiGothic-Medium.otf]:+fwid }
                     210 \xltj_set_kanji_family:n { mc }
                          文字クラス
                    3.6
                    文字間トークン挿入機能の有効化
                     211 \tex_XeTeXinterchartokenstate:D = 1 ~
\g__xltj_class_seq 文字クラス一覧。
                     212 \seq_new:N \g__xltj_class_seq
                    (End\ definition\ for\ \g_xltj_class_seq.)
                     213 \msg_new:nnnn { xelatexja } { class-exists }
                          { Class~'#1'~has~already~been~declared. }
                     215
                            There-already-exists-a-class-declaration-with-this-name. \\
```

```
Please~use~a~different~name~for~your~class.
                         217
                              }
                         218
                            \msg_new:nnnn { xelatexja } { class-not }
                         219
                         220
                                Class~'#2'~is~not~#1~class.
                         221
                         222
                         223
                                The class~'#2'~is~not~#1~class.\\
                         224
                                Please~use~#1~class~insted.
                         225
                         226
                            \msg_new:nnn { xelatexja } { class-unknown }
                         227
                         228
                                Unknown~class~'#1'~used.
                         229
                         230
 \__xltj_class_new:n 新しい文字クラスを定義する。
                         ^{231} \cs_{new:Npn} \__xltj_class_{new:n} #1
                         232
                                \seq_if_in:NnTF \g__xltj_class_seq {#1}
                         234
                                     \msg_error:nnn { xelatexja } { class-exists } {#1}
                         235
                         236
                         237
                                     \exp_args:Nc
                         238
                                       \newXeTeXintercharclass
                         239
                                       { c__xltj_class_#1_int }
                                     \seq_gput_right:Nn \g__xltj_class_seq {#1}
                                  }
                         242
                              }
                         243
                       (End\ definition\ for\ \_xltj\_class\_new:n.)
\__xltj_class_new:nn 文字クラスを定義する。
                         244 \cs_new:Npn \__xltj_class_new:nn #1#2
                         245
                                \seq_if_in:NnTF \g__xltj_class_seq {#1}
                         246
                         247
                                     \msg_error:nnn { xelatexja } { class-exists } {#1}
                         248
                         249
                         250
                                    \int_const:cn
                         251
                                       { c__xltj_class_#1_int }
                                     \seq_gput_right: Nn \g__xltj_class_seq {#1}
                         255
                         256
                       (End definition for \__xltj_class_new:nn.)
 \__xltj_class_use:n
                         257 \cs_new:Npn \__xltj_class_use:n #1
                         258
                                \int_use:c
                         259
                                  { c__xltj_class_#1_int }
                         260
                         261
```

```
(End\ definition\ for\ \_xltj\_class\_use:n.)
\g__xltj_class_kanji_seq
                              262 \seq_new:N \g__xltj_class_kanji_seq
\g__xltj_class_alpha_seq
                              263 \seq_new:N \g__xltj_class_alpha_seq
                             (\mathit{End \ definition \ for \ \ \ \ } \texttt{g\_xltj\_class\_kanji\_seq} \ \ \mathit{and \ \ \ \ } \texttt{g\_xltj\_class\_alpha\_seq.})
                             和文・欧文文字クラスを新規に作成する。
 \xltj_class_new_kanji:n
                              264 \cs_new:Npn \xltj_class_new_kanji:n #1
\xltj_class_new_alpha:n
                              265
                                        _xltj_class_new:n {#1}
                              266
                                      \seq_gput_right: Nn \g__xltj_class_kanji_seq {#1}
                              267
                              268
                                 \cs_new:Npn \xltj_class_new_alpha:n #1
                              269
                              270
                              271
                                      \__xltj_class_new:n {#1}
                                      \seq_gput_right:Nn \g__xltj_class_alpha_seq {#1}
                              273
                             (End definition for \xltj_class_new_kanji:n and \xltj_class_new_alpha:n. These functions are doc-
                             umented on page 3.)
\xltj_class_new_kanji:nn
                                 \cs_new:Npn \xltj_class_new_kanji:nn #1#2
                              274
\xltj_class_new_alpha:nn
                                      \_xltj_class_new:nn {#1} {#2}
                                      \seq_gput_right:Nn \g__xltj_class_kanji_seq {#1}
                              277
                                    }
                              278
                                 \cs_new:Npn \xltj_class_new_alpha:nn #1#2
                              279
                              280
                                      \_xltj_class_new:nn {#1} {#2}
                              281
                                      \seq_gput_right:Nn \g__xltj_class_alpha_seq {#1}
                              282
                              283
                             (End definition for \xltj_class_new_kanji:nn and \xltj_class_new_alpha:nn. These functions are
                             documented on page 3.)
            kanji/default
                              284 \xltj_class_new_kanji:n { kanji/default }
            alpha/default
                              285 \xltj_class_new_alpha:nn { alpha/default } { 0 }
                  boundary
                              286 \__xltj_class_new:nn { boundary } { 4095 }
                   ignored
                              287 % \__xltj_class_new:nn { ignored } { 4096 }
                             (End definition for kanji/default and others. These functions are documented on page 4.)
 \xltj_char_set_class:nn
                              288 \cs_new:Npn \xltj_char_set_class:nn #1#2
    \xltj char set class range:nnn
     \xltj_char_set_class_clist:nn
                                      \seq_if_in:NnTF \g__xltj_class_seq {#2}
                              290
                              291
                                          \tex_XeTeXcharclass:D \int_eval:n {#1} =
                              292
                                             \__xltj_class_use:n {#2} \scan_stop:
                              293
```

```
297
                                 }
                            298
                                \cs_new:Npn \xltj_char_set_class_range:nnn #1#2#3
                            299
                            300
                                    \seq_if_in:NnTF \g__xltj_class_seq {#3}
                            301
                            302
                                         \int_set:Nn \l__xltj_tmpa_int { \__xltj_class_use:n {#3} }
                                        \int_step_inline:nnn {#1} {#2}
                                             \tex_XeTeXcharclass:D ##1 = \l__xltj_tmpa_int \scan_stop:
                            306
                            307
                                      }
                            308
                                      {
                            309
                                         \msg_error:nnn { xelatexja } { class-unknown } {#3}
                            310
                            311
                            312
                                \cs_new:Npn \xltj_char_set_class_clist:nn #1#2
                                    \seq_if_in:NnTF \g__xltj_class_seq {#2}
                            315
                            316
                                        \int_set:Nn \l__xltj_tmpa_int { \__xltj_class_use:n {#2} }
                            317
                                        \clist_map_inline:nn {#1}
                            318
                                           {
                            319
                                             \tex_XeTeXcharclass:D \int_eval:n {##1} =
                            320
                                                \l__xltj_tmpa_int \scan_stop:
                            321
                                           }
                            322
                                      }
                            323
                                         \msg_error:nnn { xelatexja } { class-unknown } {#2}
                            325
                                      }
                            326
                                  }
                            327
                           (End definition for \xltj_char_set_class:nn, \xltj_char_set_class_range:nnn, and \xltj_char_-
                           set_class_clist:nn. These functions are documented on page 4.)
 \xltj gset no kanji interchar:nn
                               \seq_new:N \g__xltj_nointerchar_seq
\xltj gclear no kanji interchar:nn
                                \cs_new:Npn \xltj_gset_no_kanji_interchar:nn #1#2
                                  {
                            330
                                    \seq_if_in:NnTF \g__xltj_class_kanji_seq {#1}
                            331
                            332
                                         \seq_if_in:NnTF \g__xltj_class_kanji_seq {#2}
                            333
                                           {
                            334
                                             \seq_if_in:NnF \g__xltj_nointerchar_seq { #1->#2 }
                            335
                                                 \seq_gput_right: Nn \g__xltj_nointerchar_seq { #1->#2 }
                                               }
                                          }
                            339
                                          {
                            340
                                             \msg_error:nnnn { xelatexja } { class-not } { kanji } {#2}
                            341
                                           }
                            342
                                      }
                            343
```

\msg_error:nnn { xelatexja } { class-unknown } {#2}

{

295

```
{
344
            \msg_error:nnnn { xelatexja } { class-not } { kanji } {#1}
345
346
347
   \cs_new:Npn \xltj_gclear_no_kanji_interchar:nn #1#2
       \seq_if_in:NnTF \g__xltj_class_kanji_seq {#1}
351
           \seq_if_in:NnTF \g__xltj_class_kanji_seq {#2}
352
353
             {
                \seq_gremove_all:Nn \g__xltj_nointerchar_seq { #1->#2 }
354
             }
355
             {
356
                \msg_error:nnnn { xelatexja } { class-not } { kanji } {#2}
357
358
         }
           \msg_error:nnnn { xelatexja } { class-not } { kanji } {#1}
361
         }
362
     }
363
```

(End definition for \xltj_gset_no_kanji_interchar:nn and \xltj_gclear_no_kanji_interchar:nn. These functions are documented on page ??.)

\xltj_class_update: 文字クラス設定を更新する。

```
\cs_new:Npn \xltj_class_update:
       \seq_map_inline:Nn \g__xltj_class_kanji_seq
367
           \seq_map_inline: Nn \g__xltj_class_kanji_seq
368
369
               \seq_if_in:NnTF \g__xltj_nointerchar_seq { ##1->####1 }
370
371
                     _xltj_interchar_gset:nnn {##1} {####1} {}
372
373
374
                    \__xltj_interchar_gset:nnn {##1} {###1}
                      { \__xltj_interchar_kanji_to_kanji:nn {##1} {####1} }
             }
           \seq_map_inline:Nn \g__xltj_class_alpha_seq
             {
380
               \__xltj_interchar_gset:nnn {##1} {####1}
381
                 { \_xltj_interchar_kanji_to_alpha:nn {##1} {####1} }
382
               \__xltj_interchar_gset:nnn {####1} {##1}
383
                 { \__xltj_interchar_alpha_to_kanji:nn {####1} {##1} }
384
           \__xltj_interchar_gset:nnn {##1} { boundary }
             { \__xltj_interchar_kanji_to_boundary:n {##1} }
           \__xltj_interchar_gset:nnn { boundary } {##1}
388
             { \__xltj_interchar_boundary_to_kanji:n {##1} }
389
390
       \seq_map_inline:Nn \g__xltj_class_alpha_seq
391
         {
392
```

```
\__xltj_interchar_gset:nnn {##1} { boundary }
                               303
                                            { \__xltj_interchar_alpha_to_boundary:n {##1} }
                               394
                                          \__xltj_interchar_gset:nnn { boundary } {##1}
                               395
                                            { \__xltj_interchar_boundary_to_alpha:n {##1} }
                               396
                               397
                                    }
                               398
                             (End definition for \xltj_class_update:. This function is documented on page 4.)
                             文字クラス間挿入トークンを設定する。
\__xltj_interchar_gset:nnn
                                 \cs_new:Npn \__xltj_interchar_gset:nnn #1#2#3
                               399
                               400
                               401
                                      \tex_global:D \tex_XeTeXinterchartoks:D
                                        \_xltj_class_use:n {#1} ~ \_xltj_class_use:n {#2} = {#3}
                             (End\ definition\ for\ \verb|\__xltj_interchar_gset:nnn.|)
                             和文→和文に挿入するトークン。
  \ xltj interchar kanji to kanji:nn
                                 \cs_new:Npn \__xltj_interchar_kanji_to_kanji:nn #1#2
                               406
                                      \__xltj_jfm_use_postcharwd:n {#1}
                                      \__xltj_jabaselineshift_end:
                               407
                                      \_xltj_jfm_use_postbreakpenalty:n {#1}
                               408
                                      \verb|\__xltj_jfm_use_prebreakpenalty:n {#2}|
                               409
                                      \__xltj_jfm_use_glue_kern_or:nnn {#1} {#2}
                               410
                               411
                                          \bool_if:NF \l__xltj_noautospacing_bool
                               412
                                            { \__xltj_glue:n { \l__xltj_kanjiskip_tl } }
                               413
                                      \__xltj_jabaselineshift_begin:
                                      \__xltj_jfm_use_precharwd:n {#2}
                                      % \iow_term:n { K2K:~#1->#2 }
                               417
                                      \scan_stop:
                               418
                               419
                             (End definition for \__xltj_interchar_kanji_to_kanji:nn.)
                             和文→欧文に挿入するトークン。
  \_xltj_interchar_alpha_to_kanji:nn
                               420 \cs_new:Npn \__xltj_interchar_kanji_to_alpha:nn #1#2
                               421
                                      \__xltj_jfm_use_postcharwd:n {#1}
                               422
                                      \__xltj_jabaselineshift_end:
                               423
                                      \__xltj_jfm_use_postbreakpenalty:n {#1}
                               424
                                      \__xltj_jfm_use_glue_kern_or:nnn {#1} { kanji/default }
                               425
                                          \bool_if:NF \l__xltj_noautoxspacing_bool
                               428
                                               \__xltj_jfm_if_xspmode_inhibit:nnF {#1} {#2}
                               429
                                                 { \__xltj_glue:n { \l__xltj_xkanjiskip_tl } }
                               430
                               431
                                        }
                               432
                                        _xltj_swich_alpha_font:
                               433
                                      % \iow_term:n { K2A:~#1->#2 }
                               434
```

```
435
                                      \scan_stop:
                              436
                             (End definition for \__xltj_interchar_alpha_to_kanji:nn.)
                             欧文→和文に挿入するトークン。
 \ xltj interchar kanji to alpha:nn
                                 \cs_new:Npn \__xltj_interchar_alpha_to_kanji:nn #1#2
                              437
                              438
                                      \__xltj_swich_kanji_font:
                              439
                                      \__xltj_jfm_use_prebreakpenalty:n {#2}
                              440
                                      \__xltj_jfm_use_glue_kern_or:nnn { kanji/default } {#2}
                              441
                              442
                                          \bool_if:NF \l__xltj_noautoxspacing_bool
                              443
                                               \__xltj_jfm_if_xspmode_inhibit:nnF {#1} {#2}
                              445
                              446
                                                 { \__xltj_glue:n { \l__xltj_xkanjiskip_tl } }
                                            }
                              447
                                        }
                              448
                                      \__xltj_jabaselineshift_begin:
                              449
                                      \__xltj_jfm_use_precharwd:n {#2}
                              450
                                      % \iow_term:n { A2K:~#1->#2 }
                              451
                                      \scan_stop:
                              452
                             (End definition for \__xltj_interchar_kanji_to_alpha:nn.)
                             和文→境界に挿入するトークン。
\ xltj interchar kanji to boundary:n
                                 \cs_new:Npn \__xltj_interchar_kanji_to_boundary:n #1
                              455
                                      \__xltj_jfm_use_postcharwd:n {#1}
                              457
                                      \__xltj_jabaselineshift_end:
                                      \__xltj_jfm_use_postbreakpenalty:n {#1}
                              458
                                      \__xltj_swich_alpha_font:
                              459
                                     % \iow_term:n { K2B:~#1->boundary }
                              460
                                      \scan_stop:
                              461
                                      \peek_catcode_ignore_spaces:NTF \c_math_toggle_token
                              462
                              463
                                          \__xltj_jfm_use_glue_kern_or:nnn {#1} { kanji/default }
                              464
                              465
                                              \bool_if:NF \l__xltj_noautoxspacing_bool
                                                   \__xltj_jfm_if_xspmode_inhibit:nnF {#1} { kanji/default }
                                                     { \__xltj_glue:n { \l__xltj_xkanjiskip_tl } }
                              469
                              470
                                            }
                              471
                                        }
                              472
                                        {
                              473
                                           \_xltj_lastnode_kanji:n {#1}
                              474
                              475
                              476
                             (End\ definition\ for\ \_\_xltj\_interchar\_kanji\_to\_boundary:n.)
```

```
\_xltj_interchar_boundary_to_kanji:n 境界→和文に挿入するトークン。
                              477 \cs_new:Npn \__xltj_interchar_boundary_to_kanji:n #1
                              478
                                      \__xltj_lastnode_check:
                              479
                                      \__xltj_swich_kanji_font:
                              480
                                      \__xltj_jfm_use_prebreakpenalty:n {#1}
                              481
                                      \__xltj_lastnode_switch:nnn
                              482
                              483
                                          \__xltj_jfm_use_glue_kern_or:nnn { kanji/default } {#1}
                              484
                              485
                                              \bool_if:NF \l__xltj_noautoxspacing_bool
                                                   \__xltj_jfm_if_xspmode_inhibit:nnF { kanji/default } {#1}
                                                     { \__xltj_glue:n { \l__xltj_xkanjiskip_tl } }
                              490
                                            }
                              491
                                        }
                              492
                              493
                                          \__xltj_jfm_use_glue_kern_or:nnn
                              494
                                            { \g__xltj_lastnode_class_tl } {#1}
                              495
                                               \bool_if:NF \l__xltj_noautospacing_bool
                                                 { \__xltj_glue:n { \l__xltj_kanjiskip_tl } }
                              499
                                       }
                              500
                              501
                                          \__xltj_jfm_use_glue_kern_or:nnn
                              502
                                            { kanji/default } {#1}
                              503
                              504
                                              \bool_if:NF \l__xltj_noautoxspacing_bool
                              505
                              506
                                                   \__xltj_jfm_if_xspmode_inhibit:nnF
                                                     { \g_xltj_lastnode_class_tl } {#1}
                                                     { \__xltj_glue:n { \l__xltj_xkanjiskip_tl } }
                              509
                                                }
                              510
                                            }
                              511
                                       }
                              512
                                      \__xltj_jabaselineshift_begin:
                              513
                                      \__xltj_jfm_use_precharwd:n {#1}
                              514
                                      \__xltj_lastnode_clear:
                              515
                                     % \iow_term:n { B2K:~boundary->#1 }
                              516
                                      \scan_stop:
                              517
                                   }
                             (\mathit{End \ definition \ for \ } \verb|\__xltj_interchar_boundary_to_kanji:n.)
                            欧文→境界に挿入するトークン。
\_xltj_interchar_alpha_to_boundary:n
                              519 \cs_new:Npn \__xltj_interchar_alpha_to_boundary:n #1
                                      \__xltj_lastnode_alpha:n {#1}
                              521
                                     % \iow_term:n { A2B:~#1->boundary }
                              522
                                      \scan_stop:
                              523
```

}

```
\ xltj interchar boundary to alpha:n
                            境界→欧文に挿入するトークン。
                                 \cs_new:Npn \__xltj_interchar_boundary_to_alpha:n #1
                              527
                                     \__xltj_lastnode_check:
                                     \__xltj_lastnode_switch:nnn
                              529
                                       {}
                              530
                                          \__xltj_jfm_use_glue_kern_or:nnn
                              531
                                           { \g_xltj_lastnode_class_tl } { kanji/default }
                              532
                              533
                                              \bool_if:NF \l__xltj_noautoxspacing_bool
                              534
                              535
                                                  \__xltj_jfm_if_xspmode_inhibit:nnF
                                                    { \g__xltj_lastnode_class_tl } {#1}
                                                    { \__xltj_glue:n { \l__xltj_xkanjiskip_tl } }
                              539
                                           }
                              540
                                       }
                              541
                                       {}
                              542
                                     \__xltj_lastnode_clear:
                              543
                                     % \iow_term:n { B2A:~boundary->#1 }
                              544
                                     \scan_stop:
                              545
                              546
                             (End\ definition\ for\ \verb|\__xltj_interchar_boundary_to_alpha:n.|)
                                 \cs_new:Npn \__xltj_swich_kanji_font:
                              548
                                     \xltj_if_tate_text:TF
                              549
                                       { \l_xltj_tate_kanji_font_tl }
                              550
                                       { \l_xltj_yoko_kanji_font_tl }
                              552
                                   }
                              553
                                 \cs_new:Npn \__xltj_swich_alpha_font:
                              554
                                   {
                                     \l__xltj_alpha_font_tl
                              555
                              556
                              557 \bool_new:N \l__xltj_lastnode_math_bool
                              558 \bool_new:N \g__xltj_lastnode_kanji_bool
                              559 \bool_new:N \g__xltj_lastnode_alpha_bool
                              560 \tl_new:N \g__xltj_lastnode_class_tl
 \__xltj_lastnode_kanji:n
                              561 \cs_new:Npn \__xltj_lastnode_kanji:n #1
 \__xltj_lastnode_alpha:n
                              562
 \__xltj_lastnode_clear:
                                     \bool_gset_true:N \g__xltj_lastnode_kanji_bool
                                     \bool_gset_false:N \g__xltj_lastnode_alpha_bool
                                     \tl_gset:Nn \g__xltj_lastnode_class_tl {#1}
                                   }
                              566
                                 \cs_new:Npn \__xltj_lastnode_alpha:n #1
                              567
                              568
                                     \bool_gset_false:N \g__xltj_lastnode_kanji_bool
                              569
```

 $(End\ definition\ for\ __xltj_interchar_alpha_to_boundary:n.)$

\bool_gset_true:N \g__xltj_lastnode_alpha_bool

```
\tl_gset:Nn \g__xltj_lastnode_class_tl {#1}
                             571
                                  }
                             572
                                \cs_new:Npn \__xltj_lastnode_clear:
                             573
                             574
                                    \bool_gset_false:N \g__xltj_lastnode_kanji_bool
                             575
                                    \bool_gset_false:N \g__xltj_lastnode_alpha_bool
                             576
                             577
                            578 \hook_gput_code:nnn { para/begin } { . }
                                  { \__xltj_lastnode_clear: }
                                \hook_gput_code:nnn { para/end } { . }
                                  { \__xltj_lastnode_clear: }
   \__xltj_lastnode_check:
                             582 \bool_new:N \l__xltj_lastpenalty_bool
\_xltj_lastnode_switch:nnn
                             583 \int_new:N \l__xltj_lastpenalty_int
                             584 \cs_new:Npn \__xltj_lastnode_check:
                             585
                            直前の node が penalty node の時は一旦取り除いてから判定する。
                                    \bool_set_false:N \l__xltj_lastpenalty_bool
                             587
                                    \int_zero:N \l__xltj_lastpenalty_int
                                    \int_while_do:nNnn { \tex_lastnodetype:D } = { 13 }
                             588
                             589
                                      {
                                        \bool_set_true:N \l__xltj_lastpenalty_bool
                             590
                                        \int_add: Nn \l__xltj_lastpenalty_int { \tex_lastpenalty:D }
                             591
                                        \tex_unpenalty:D
                             592
                             593
                             594
                                    \bool_set_false: N \l__xltj_lastnode_math_bool
                                    \int_case:nnF { \tex_lastnodetype:D }
                                      {
                                        {
                                          0 } {}% char node
                                        { 9 } {}% whatsit node
                             598
                                        { 10 }% math node
                             599
                             600
                                          \__xltj_lastnode_clear:
                             601
                                          \bool_set_true:N \l__xltj_lastnode_math_bool
                             602
                                        }
                             603
                                        { 12 }% kern
                             604
                                        {
                                          \dim_compare:nNnF { \tex_lastkern:D } = { \c_zero_dim }
                             608
                                              \__xltj_lastnode_clear:
                             609
                                        }
                             610
                                      }
                             611
                             612
                                        \__xltj_lastnode_clear:
                             613
```

```
\bool_if:NT \l__xltj_lastpenalty_bool
                                           { \tex_penalty:D \l__xltj_lastpenalty_int \scan_stop: }
                                  616
                                       }
                                  617
                                     \cs_new:Npn \__xltj_lastnode_switch:nnn
                                  618
                                  619
                                         \bool_case_true:nF
                                  620
                                  621
                                           {
                                             { \l__xltj_lastnode_math_bool } { \use_i:nnn }
                                              { \g_xltj_lastnode_kanji_bool } { \use_ii:nnn }
                                              { \g_xltj_lastnode_alpha_bool } { \use_iii:nnn }
                                  625
                                           { \use_none:nnn }
                                  626
                                       }
                                  627
                                 (End\ definition\ for\ \_xltj\_lastnode\_check:\ and\ \__xltj\_lastnode\_switch:nnn.)
        \_xltj_jabaselineshift_begin:
                                  628 \bool_new:N \l__xltj_jabaselineshift_bool
\_xltj_jabaselineshift_end:
                                  629 \box_new:N \l__xltj_jabaselineshift_box
                                     \dim_new:N \l__xltj_jabaselineshift_dim
                                     \cs_new:Npn \__xltj_jabaselineshift_begin:
                                  632
                                         \dim_set:Nn \l__xltj_jabaselineshift_dim
                                  633
                                              \xltj_if_tate_text:TF
                                  636
                                                { \l_xltj_tjabaselineshift_tl }
                                                { \l__xltj_yjabaselineshift_tl }
                                  637
                                  638
                                         \bool_set_false:N \l__xltj_jabaselineshift_bool
                                  639
                                         \xltj_if_tate_text:T
                                  640
                                           { \bool_set_true: N \l__xltj_jabaselineshift_bool }
                                  641
                                         \dim_compare:nNnF { \l__xltj_jabaselineshift_dim } = { \c_zero_dim }
                                  642
                                            { \bool_set_true: N \l__xltj_jabaselineshift_bool }
                                  643
                                         \bool_if:NT \l__xltj_jabaselineshift_bool
                                              \tex_hbox:D \c_group_begin_token
                                  647
                                       }
                                  648
                                     \cs_new:Npn \__xltj_jabaselineshift_end:
                                  649
                                  650
                                         \bool_if:NT \l__xltj_jabaselineshift_bool
                                  651
                                  652
                                              \c_group_end_token
                                  653
                                             \box_set_to_last:N \l__xltj_jabaselineshift_box
                                  654
                                             \box_set_ht:Nn \l__xltj_jabaselineshift_box { 0.5\l_xltj_zw_dim }
                                              \box_set_dp:Nn \l__xltj_jabaselineshift_box { 0.5\l_xltj_zw_dim }
                                             \box_move_down:nn { \l__xltj_jabaselineshift_dim }
                                  657
                                                { \box_use_drop:N \l__xltj_jabaselineshift_box }
                                  658
                                              \__xltj_kern:n { \c_zero_dim }
                                  659
                                  660
                                       }
                                  661
                                 (End\ definition\ for\ \verb|\_xltj_jabaselineshift_begin:\ and\ \verb|\__xltj_jabaselineshift_end:|)
```

取り除いた penalry node を戻す。

3.6.1 JFM パラメータ

```
\xltj_set_kanjiskip:n
                           662 \cs_new:Npn \xltj_set_kanjiskip:n #1
                                   \tl_set:Nx \l__xltj_kanjiskip_tl { \skip_eval:n {#1} }
                           666 \cs_new:Npn \xltj_set_kanjiskip_lazy:n #1
                                  \tl_set:Nn \l__xltj_kanjiskip_tl {#1}
                          (End definition for \xltj_set_kanjiskip:n. This function is documented on page 4.)
 \xltj_get_kanjiskip:
                           670 \cs_new:Npn \xltj_get_kanjiskip:
                                   \skip_eval:n { \l__xltj_kanjiskip_tl }
                          (End definition for \xltj_get_kanjiskip:. This function is documented on page 4.)
\xltj_set_xkanjiskip:n
                           674 \cs_new:Npn \xltj_set_xkanjiskip:n #1
                                   \tl_set:Nx \l__xltj_xkanjiskip_tl { \skip_eval:n {#1} }
                           678 \cs_new:Npn \xltj_set_xkanjiskip_lazy:n #1
                                   \tl_set:Nn \l__xltj_xkanjiskip_tl {#1}
                          (End definition for \xltj_set_xkanjiskip:n. This function is documented on page 4.)
\xltj_get_xkanjiskip:
                           682 \cs_new:Npn \xltj_get_xkanjiskip:
                                   \skip_eval:n { \l__xltj_xkanjiskip_tl }
                          (End definition for \xltj_get_xkanjiskip:. This function is documented on page 4.)
 \_xltj_jfm_exp_args_param:Nnn
                           686 \cs_new:Npn \__xltj_jfm_exp_args_param:Nnn #1#2#3
 \_xltj_jfm_exp_args_param:Nnnn
                                  \exp_args:Nc #1 { l__xltj_jfm_#2_#3_tl }
                           688
                           689
                           690 \cs_new:Npn \__xltj_jfm_exp_args_param:Nnnn #1#2#3#4
                           691
                                   \exp_args:Nc #1 { l__xltj_jfm_#2_#3->#4_tl }
                          (End definition for \_xltj_jfm_exp_args_param:Nnn and \_xltj_jfm_exp_args_param:Nnnn.)
```

```
\__xltj_jfm_set_param:nnn
                                   694 \cs_new:Npn \__xltj_jfm_set_param:nnn #1#2#3
 \__xltj_jfm_set_param:nnnn
                                   695
                                           \__xltj_jfm_exp_args_param:Nnn
                                   696
                                             \_xltj_jfm_set_param:Nn {#1} {#2}
                                   697
                                   698
                                        }
                                   699
                                      \cs_new:Npn \__xltj_jfm_set_param:nnnn #1#2#3#4
                                   700
                                   701
                                   702
                                           \__xltj_jfm_exp_args_param:Nnnn
                                   703
                                             \__xltj_jfm_set_param:Nn {#1} {#2} {#3}
                                               {#4}
                                        }
                                   705
                                      \cs_new:Npn \__xltj_jfm_set_param:Nn #1#2
                                   706
                                   707
                                           \tl_if_exist:NF #1 { \tl_new:N #1 }
                                   708
                                           \tl_set:Nn #1 {#2}
                                   709
                                   710
                                 (End\ definition\ for\ \verb|\__xltj_jfm_set_param:nnn|\ and\ \verb|\__xltj_jfm_set_param:nnnn|)
 \__xltj_jfm_clear_param:nn
\__xltj_jfm_clear_param:nnn
                                      \cs_new:Npn \__xltj_jfm_clear_param:nn #1#2
                                   711
                                           \__xltj_jfm_exp_args_param:Nnn
                                             \_xltj_jfm_clear_param:N {#1} {#2}
                                   714
                                   715
                                   716 \cs_new:Npn \__xltj_jfm_clear_param:nnn #1#2#3
                                           \__xltj_jfm_exp_args_param:Nnnn
                                   718
                                             \__xltj_jfm_clear_param:N {#1} {#2} {#3}
                                   719
                                   720
                                      \cs_new:Npn \__xltj_jfm_clear_param:N #1
                                   721
                                          \tl_if_exist:NF #1 { \tl_clear:N #1 }
                                   723
                                        }
                                   724
                                 (\mathit{End \ definition \ for \ } \_\mathtt{xltj\_jfm\_clear\_param:nn} \ \mathit{and \ } \_\mathtt{xltj\_jfm\_clear\_param:nnn.})
    \_xltj_jfm_if_exist_use_param:nnTF
                                   725 \cs_new:Npn \__xltj_jfm_if_exist_use_param:nnTF #1#2#3#4
   \ xltj jfm if exist use param:nnnTF
                                   726
                                           \__xltj_jfm_exp_args_param:Nnn
                                             \__xltj_jfm_if_exist_use_param:NTF {#1} {#2}
                                   728
                                               {#3} {#4}
                                   729
                                   730
                                      \cs_new:Npn \__xltj_jfm_if_exist_use_param:nnnTF #1#2#3#4#5
                                           \__xltj_jfm_exp_args_param:Nnnn
                                             \label{lem:linear_state} $$\sum_{x=1}^{\infty} f_{x} = \frac{1}{42} {43}
                                   734
                                               {#4} {#5}
                                   735
                                        }
                                   736
                                   737 \cs_new:Npn \__xltj_jfm_if_exist_use_param:NTF #1#2#3
                                        {
                                   738
```

```
\tl_if_exist:NTF #1
                           739
                                     { \tl_if_empty:NTF #1 {#3} { #1 #2 } }
                           740
                                     {#3}
                           741
                                }
                           742
                          (End\ definition\ for\ \ \_xltj\_jfm\_if\_exist\_use\_param:nnTF\ and\ \ \ \_xltj\_jfm\_if\_exist\_use\_param:nnnTF.)
        \__xltj_glue:n
                           743 \cs_new_eq:NN \__xltj_glue:n \skip_horizontal:n
                          (End definition for \__xltj_glue:n.)
        \__xltj_kern:n
                           744 \cs_new:Npn \__xltj_kern:n #1
                                { \tex_kern:D \dim_eval:n {#1} }
                          (End definition for \__xltj_kern:n.)
                         ゼロ幅(不可視)垂直罫線の挿入。
   \__xltj_vrule_zero:
                           746 \cs_new:Npn \__xltj_vrule_zero:
                                { \tex_vrule:D width \c_zero_dim \scan_stop: }
                          (End\ definition\ for\ \verb|\__xltj_vrule_zero:.|)
                           748 \cs_new:Npn \__xltj_vrule:nnn #1#2#3
                           749
                                   \tex_vrule:D
                           750
                                    width \dim_eval:n {#1}
                           751
                                    height \dim_eval:n {#2}
                           752
                                    depth \dim_eval:n {#3}
                           753
                                   \scan_stop:
                           754
                           755
     \__xltj_penalty:n ペナルティの挿入。
                           756 \cs_new:Npn \__xltj_penalty:n #1
                                { \tex_penalty:D \int_eval:n {#1} \exp_stop_f: }
                          (End\ definition\ for\ \verb|\__xltj_penalty:n.|)
                          3.6.2 グルー・カーン
\xltj_jfm_set_glue:nnn
                           758 \cs_new:Npn \xltj_jfm_set_glue:nnn #1#2#3
\xltj_jfm_set_kern:nnn
                           759
                                   \__xltj_jfm_set_param:nnnn { glue_kern } {#1} {#2}
                           760
                                     { \_xltj_glue:n {#3} }
                           761
                           762
                              \cs_new:Npn \xltj_jfm_set_kern:nnn #1#2#3
                           763
                                   \__xltj_jfm_set_param:nnnn {    glue_kern } {#1} {#2}
                           766
                                     { \_xltj_kern:n {#3} }
                           767
                          (End definition for \xltj_jfm_set_glue:nnn and \xltj_jfm_set_kern:nnn. These functions are docu-
                          mented on page 4.)
```

```
\xltj_jfm_clear_glue_kern:nn
                                768 \cs_new:Npn \xltj_jfm_clear_glue_kern:nn #1#2
                                        \__xltj_jfm_clear_param:nnn { glue_kern } {#1} {#2}
                                770
                               (End definition for \xltj_jfm_clear_glue_kern:nn. This function is documented on page 5.)
       \_xltj_jfm_use_glue_kern_or:nnn
                                772 \cs_new:Npn \__xltj_jfm_use_glue_kern_or:nnn #1#2#3
                                773
                                        \bool_if:NF \l__xltj_inhibitglue_bool
                                774
                                775
                                            776
                                777
                                778
                                        \bool_set_false:N \l__xltj_inhibitglue_bool
                               (End\ definition\ for\ \verb|\__xltj_jfm_use_glue_kern_or:nnn.|)
          \xltj_inhibitglue:
                                780 \bool_new:N \l__xltj_inhibitglue_bool
                                781 \cs_new:Npn \xltj_inhibitglue:
                                     { \bool_set_true:N \l__xltj_inhibitglue_bool }
                               (End definition for \xltj_inhibitglue:. This function is documented on page ??.)
                               3.6.3 文字幅調整
                              文字幅調整処理。
     \_xltj_jfm_precharwd:n
                                783 \cs_new:Npn \__xltj_jfm_precharwd:n #1
    \__xltj_jfm_postcharwd:n
                                     { \__xltj_vrule_zero: \__xltj_kern:n {#1} }
                                785 \cs_new:Npn \__xltj_jfm_postcharwd:n #1
                                     { \_xltj_kern:n {#1} \_xltj_vrule_zero: \_xltj_kern:n { \c_zero_dim } }
                               (End\ definition\ for\ \verb|\__xltj_jfm_precharwd:n \ and\ \verb|\__xltj_jfm_postcharwd:n.|)
                              文字幅調整を設定する。
  \xltj_jfm_set_precharwd:nn
                                   \cs_new:Npn \xltj_jfm_set_precharwd:nn #1#2
 \xltj_jfm_set_postcharwd:nn
                                        \__xltj_jfm_set_param:nnn { precharwd } {#1}
                                789
                                          { \ \ } { \__xltj_jfm_precharwd:n {#2} }
                                790
                                791
                                   \cs_new:Npn \xltj_jfm_set_postcharwd:nn #1#2
                                792
                                793
                                          _xltj_jfm_set_param:nnn { postcharwd } {#1}
                                794
                                          { \__xltj_jfm_postcharwd:n {#2} }
                                795
                                796
                               (End definition for \xltj_jfm_set_precharwd:nn and \xltj_jfm_set_postcharwd:nn. These functions
                               are documented on page 5.)
```

```
\xltj_jfm_clear_precharwd:n 文字幅調整の設定をクリアする。
\xltj_jfm_clear_postcharwd:n
                                                                           797 \cs_new:Npn \xltj_jfm_clear_precharwd:n #1
                                                                           798
                                                                                           \__xltj_jfm_clear_param:nn { precharwd } {#1}
                                                                           799
                                                                                      }
                                                                           800
                                                                           801 \cs_new:Npn \xltj_jfm_clear_postcharwd:n #1
                                                                           802
                                                                                           \__xltj_jfm_clear_param:nn { postcharwd } {#1}
                                                                           803
                                                                           804
                                                                        (End\ definition\ for\ \xltj_jfm\_clear\_precharwd:n\ and\ \xltj_jfm\_clear\_postcharwd:n\ These\ functions for\ \xltj_jfm\_c
                                                                        tions are documented on page 5.)
                                                                       文字幅調整が設定されていたら挿入する。
  \__xltj_jfm_use_precharwd:n
                                                                           805 \cs_new:Npn \__xltj_jfm_use_precharwd:n #1
\__xltj_jfm_use_postcharwd:n
                                                                                      { \ \ \ }  { \__xltj_jfm_if_exist_use_param:nnTF { precharwd } {#1} {} }}
                                                                          807 \cs_new:Npn \__xltj_jfm_use_postcharwd:n #1
                                                                                      { \__xltj_jfm_if_exist_use_param:nnTF { postcharwd } {#1} {} {} }
                                                                        (End definition for \__xltj_jfm_use_precharwd:n and \__xltj_jfm_use_postcharwd:n.)
                                                                        3.6.4 禁則ペナルティ
                                                                      禁則ペナルティを設定する。
               \xltj jfm set prebreakpenalty:nn
                                                                                 \cs_new:Npn \xltj_jfm_set_prebreakpenalty:nn #1#2
                                                                           809
              \xltj jfm set postbreakpenalty:nn
                                                                           810
                                                                                           \__xltj_jfm_set_param:nnn { prebreakpenalty } {#1}
                                                                           811
                                                                                                { \_xltj_penalty:n {#2} }
                                                                           812
                                                                           813
                                                                                  \cs_new:Npn \xltj_jfm_set_postbreakpenalty:nn #1#2
                                                                           814
                                                                           815
                                                                                            \__xltj_jfm_set_param:nnn {    postbreakpenalty } {#1}
                                                                           816
                                                                           817
                                                                                                { \__xltj_penalty:n {#2} }
                                                                        (End\ definition\ for\ \verb|\xltj_jfm_set_prebreakpenalty:nn|\ and\ \verb|\xltj_jfm_set_postbreakpenalty:nn|\ These
                                                                        functions are documented on page 5.)
                                                                        禁則をクリアする。
             \xltj ifm clear prebreakpenalty:n
                                                                          819 \cs_new:Npn \xltj_jfm_clear_prebreakpenalty:n #1
            \xltj_jfm_clear_postbreakpenalty:n
                                                                          820
                                                                                            \__xltj_jfm_clear_param:nn { prebreakpenalty } {#1}
                                                                           821
                                                                           822
                                                                                 \cs_new:Npn \xltj_jfm_clear_postbreakpenalty:n #1
                                                                                            \__xltj_jfm_clear_param:nn {    postbreakpenalty } {#1}
                                                                           825
                                                                           826
```

These functions are documented on page 5.)

(End definition for \xltj_jfm_clear_prebreakpenalty:n and \xltj_jfm_clear_postbreakpenalty:n.

```
\_xltj_jfm_use_prebreakpenalty:n 禁則が設定されていたら禁則ペナルティを挿入する。
                                                                            \mbox{\ensuremath{\texttt{827}}}\ \mbox{\ensuremath{\texttt{cs_new}}:Npn \ensuremath{\texttt{Npn\_xltj\_jfm\_use\_prebreakpenalty}:n}\ \mbox{\ensuremath{\texttt{\#1}}}
     \_xltj_jfm_use_postbreakpenalty:n
                                                                                         { \ \ \ }  { \__xltj_jfm_if_exist_use_param:nnTF { prebreakpenalty } {#1} {} } }
                                                                            \mbox{\ensuremath{\texttt{829}}} \ \mbox{\ensuremath{\texttt{cs_new}}:Npn} \ \mbox{\ensuremath{\texttt{Npn\_xltj\_jfm\_use\_postbreakpenalty}:n} \ \mbox{\ensuremath{\texttt{\#1}}} \ \mbox{\ensuremath{\texttt{829}}} \ \mbox{\ensuremath{\texttt{Npn\_veltij\_jfm\_use\_postbreakpenalty}:n} \ \mbox{\ensuremath{\texttt{\#1}}} \ \mbox{\ensuremath{\texttt{829}}} \ \mbox{\ensuremath{\texttt{Npn-veltij\_jfm\_use\_postbreakpenalty}:n} \ \mbox{\ensuremath{\texttt{41}}} \ \mbox{\ensuremath{\texttt{829}}} \ \mbox{\ensuremath{\texttt{Npn-veltij\_jfm\_use\_postbreakpenalty}:n} \ \mbox{\ensuremath{\texttt{41}}} \ \mbox{\ensuremath{\texttt{829}}} \ \mbox{\ensuremath{\texttt{Npn-veltij\_jfm\_use\_postbreakpenalty}:n} \ \mbox{\ensuremath{\texttt{829}}} \ \m
                                                                                        { \ \ \ }  { \__xltj_jfm_if_exist_use_param:nnTF { postbreakpenalty } {#1} {} } }
                                                                         (End definition for \__xltj_jfm_use_prebreakpenalty:n and \__xltj_jfm_use_postbreakpenalty:n.)
                                                                                          和欧文間空白挿入設定
                                                                         3.6.5
  \xltj_jfm_set_xspmode:nn
                                                                            831 \cs_new:Npn \xltj_jfm_set_xspmode:nn #1#2
                                                                            832
                                                                                         {
                                                                                               \str_case:nnF {#2}
                                                                            833
                                                                                                    {
                                                                            834
                                                                                                         { inhibit }
                                                                            835
                                                                                                         { \__xltj_jfm_set_param:nnn { xspmode } {#1} { 0 } }
                                                                            836
                                                                                                         { preonly }
                                                                            837
                                                                                                         { \_xltj_jfm_set_param:nnn { xspmode } {#1} { 1 } }
                                                                            838
                                                                            839
                                                                                                         { postonly }
                                                                                                         { \ \ \ }  { \__xltj_jfm_set_param:nnn { xspmode } {#1} { 2 } }
                                                                                                         { allow }
                                                                            841
                                                                                                         { \_xltj_jfm_set_param:nnn { xspmode } {#1} { 3 } }
                                                                            842
                                                                            843
                                                                                                    { \msg_error:nnn { xelatexja } { unknown-xspmode } {#2} }
                                                                            844
                                                                                         }
                                                                            845
                                                                         (End definition for \xltj_jfm_set_xspmode:nn. This function is documented on page 5.)
                                                                                   \msg_new:nnnn { xelatexja } { unknown-xspmode }
                                                                                         { Unknown~xspmode~'#1'.~Perhaps~a~misspelling?. }
                                                                            847
                                                                            848
                                                                                              The~xspmode~used~not~known.~
                                                                            849
                                                                                              Allowed~values~are~'inhibit',~'preonly',~'postonly'~or~'allow'.
                                                                            850
                                                                            851
\__xltj_jfm_use_xspmode:n
                                                                            852 \cs_new:Npn \__xltj_jfm_use_xspmode:n #1
                                                                                         { \__xltj_jfm_if_exist_use_param:nnTF { xspmode } {#1} {} { 3 } }
                                                                         (End\ definition\ for\ \_xltj_jfm_use\_xspmode:n.)
     \ xltj jfm if xspmode inhibit:nnF
                                                                                   \cs_new:Npn \__xltj_jfm_if_xspmode_preinhibit_p:n #1
                                                                            855
                                                                                               \int_case:nnF { \__xltj_jfm_use_xspmode:n {#1} }
                                                                            856
                                                                                                         { 0 } { \c_true_bool }
                                                                                                         { 2 } { \c_true_bool }
                                                                                                    }
                                                                            860
                                                                                                    { \c_false_bool }
                                                                            861
                                                                                         }
                                                                            862
```

863 \cs_new:Npn __xltj_jfm_if_xspmode_postinhibit_p:n #1

{

```
\int_case:nnF { \__xltj_jfm_use_xspmode:n {#1} }
                        865
                        866
                                 {
                                   { 0 } { \c_true_bool }
                        867
                                   { 1 } { \c_true_bool }
                        868
                        869
                                 { \c_false_bool }
                        870
                             }
                        871
                           \cs_new:Npn \__xltj_jfm_if_xspmode_inhibit:nnF #1#2#3
                        872
                        873
                               \bool_lazy_or:nnF
                        874
                                 { \__xltj_jfm_if_xspmode_postinhibit_p:n {#1} }
                        875
                                 { \__xltj_jfm_if_xspmode_preinhibit_p:n {#2} }
                        876
                                 {#3}
                        877
                             }
                        878
                       (End\ definition\ for\ \_xltj_jfm_if_xspmode_inhibit:nnF.)
                              ボックス
                       3.7
                       3.7.1 ボックス回転
                        879 \cs_set_eq:NN \__xltj_special:n \tex_special:D
                        880 \cs_new:Npn \__xltj_graphics_save:
                             { \__xltj_special:n { x:gsave } }
                        882 \cs_new:Npn \__xltj_graphics_restore:
                             { \__xltj_special:n { x:grestore } }
                        884 \cs_new:Npn \__xltj_graphics_rotate:n #1
                             { \__xltj_special:n { x:rotate~ #1 } }
                        886 \box_new:N \l__xltj_rotate_box
                        887 \dim_new:N \l__xltj_rotate_box_ht_dim
                        888 \dim_new:N \l__xltj_rotate_box_dp_dim
                        889 \dim_new:N \l__xltj_rotate_box_wd_dim
\_xltj_rotate_box_tate_in_yoko:N ボックスを時計回りに90度回転する。回転後のボックス下端がベースラインになる。
                        890 \cs_new:Npn \__xltj_rotate_box_tate_in_yoko:N #1
                             {
                        891
                       元のボックスの寸法を取得する。
                               \dim_set:Nn \l__xltj_rotate_box_ht_dim { \box_ht:N #1 }
                               \dim_set:Nn \l__xltj_rotate_box_dp_dim { \box_dp:N #1 }
                               \dim_set:Nn \l__xltj_rotate_box_wd_dim { \box_wd:N #1 }
                       元のボックスの右端が回転後にベースラインに来るように位置調整する。
                               \hbox_set:Nn \l__xltj_rotate_box
                        895
                                   \tex_kern:D -\l__xltj_rotate_box_wd_dim
                                   \box_use_drop:N #1
                        899
                       ボックスを時計回りに 90 度回転する。
                               \hbox_set:Nn \l__xltj_rotate_box
                        900
```

__xltj_graphics_save:

_xltj_graphics_rotate:n { -90 }

```
906
                       元のボックスの下端が左端になるように位置調整する。
                              \hbox_set:Nn \l__xltj_rotate_box
                        907
                        908
                                  \tex_kern:D \l__xltj_rotate_box_dp_dim
                        gng
                                  \box_use:N \l__xltj_rotate_box
                        910
                        911
                       ボックス寸法を調整する。
                              \box_set_ht:Nn \l__xltj_rotate_box
                        912
                                { \l_xltj_rotate_box_wd_dim }
                        913
                              \box_set_dp:Nn \l__xltj_rotate_box { Opt }
                        914
                              \box_set_wd:Nn \l__xltj_rotate_box
                        915
                                { \l_xltj_rotate_box_ht_dim + \l_xltj_rotate_box_dp_dim }
                        916
                               \box_set_eq_drop:NN #1 \l__xltj_rotate_box
                        917
                       (End\ definition\ for\ \_xltj\_rotate\_box\_tate\_in\_yoko:N.)
                      ボックスを反時計回りに90度回転する。回転後のボックス中央がベースラインになる。
\_xltj_rotate_box_yoko_in_tate:N
                        919 \cs_new:Npn \__xltj_rotate_box_yoko_in_tate:N #1
                       元のボックスの寸法を取得する。
                              \dim_set:Nn \l__xltj_rotate_box_ht_dim { \box_ht:N #1 }
                        921
                              \dim_set:Nn \l__xltj_rotate_box_dp_dim { \box_dp:N #1 }
                        922
                              \dim_set:Nn \l__xltj_rotate_box_wd_dim { \box_wd:N #1 }
                       元のボックスの中央が回転後にベースラインに来るように位置調整する。
                              \hbox_set:Nn \l__xltj_rotate_box
                        924
                                {
                        925
                                  \tex_kern:D -0.5\l__xltj_rotate_box_wd_dim
                        926
                        927
                                  \box_use_drop:N #1
                        928
                       ボックスを反時計回りに90度回転する。
                              \hbox_set:Nn \l__xltj_rotate_box
                        929
                        930
                                  \__xltj_graphics_save:
                        931
                                  \__xltj_graphics_rotate:n { 90 }
                        932
                                  \box_use:N \l__xltj_rotate_box
                        933
                                  \__xltj_graphics_restore:
                        934
                        935
                       元のボックスの上端が左端になるように位置調整する。
                              \hbox_set:Nn \l__xltj_rotate_box
                        936
                        937
                                {
                        938
                                  \tex_kern:D \l__xltj_rotate_box_ht_dim
                        939
                                  \box_use:N \l__xltj_rotate_box
```

\box_use:N \l__xltj_rotate_box

__xltj_graphics_restore:

904

```
ボックス寸法を調整する。
```

(End definition for __xltj_rotate_box_yoko_in_tate:N.)

3.7.2 ボックスのベースライン補正

```
\xltj_box_yjabaselineshift:n
\xltj_box_tjabaselineshift:n
```

ボックスを和文ベースライン補正を適用して挿入する。水平モードでのみ利用できる。

```
949 \cs_new:Npn \xltj_box_yjabaselineshift:n #1
950 { \box_move_down:nn { \l__xltj_yjabaselineshift_tl } {#1} }
951 \cs_new:Npn \xltj_box_tjabaselineshift:n #1
952 { \box_move_down:nn { \l__xltj_tjabaselineshift_tl } {#1} }
```

(End definition for $\xiltj_box_yjabaselineshift:n$ and $\xiltj_box_tjabaselineshift:n$. These functions are documented on page 6.)

3.7.3 縦組中の横組ボックス

縦組中に横組ボックスを配置する場合はボックスを反時計回りに90度回転する。

\xltj_yoko_in_tate_hbox:n

```
963 \cs_new:Npn \xltj_yoko_in_tate_hbox:n #1
964 {
965 \__xltj_yoko_in_tate_box:nnnn
966 { \hbox:n } { \hbox_set:Nn } {} #1}
967
```

(End definition for \xltj_yoko_in_tate_hbox:n. This function is documented on page 6.)

\xltj_yoko_in_tate_hbox_to_wd:nn
\xltj yoko in tate hbox to zero:n

```
968 \cs_new:Npn \xltj_yoko_in_tate_hbox_to_wd:nn #1#2
969 {
970 \__xltj_yoko_in_tate_box:nnnn
971 { \hbox:n } { \hbox_set_to_wd:Nnn } { {#1}} {#2}
972 }
```

```
973 \cs_new:Npn \xltj_yoko_in_tate_hbox_to_zero:n #1
974 {
975 \__xltj_yoko_in_tate_box:nnnn
976 { \hbox:n } { \hbox_set_to_zero:Nn } {} {#1}
977 }
```

(End definition for \xltj_yoko_in_tate_hbox_to_wd:nn and \xltj_yoko_in_tate_hbox_to_zero:n. These functions are documented on page 6.)

\xltj_yoko_in_tate_hbox_set:Nn

\xltj_yoko_in_tate_hbox_set:cn
\xltj yoko in tate hbox gset:Nn

\xltj_yoko_in_tate_hbox_gset:cn

```
978
  \cs_new:Npn \xltj_yoko_in_tate_hbox_set:Nn #1#2
979
         _xltj_yoko_in_tate_box:nnnn
980
         { \hbox_set:Nn #1 } { \hbox_set:Nn } {} {#2}
981
982
   \cs_new:Npn \xltj_yoko_in_tate_hbox_gset:Nn #1#2
983
984
       \__xltj_yoko_in_tate_box:nnnn
985
         { \hbox_gset:Nn #1 } { \hbox_set:Nn } {} {#2}
    }
988 \cs_generate_variant:Nn \xltj_yoko_in_tate_hbox_set:Nn { c }
989 \cs_generate_variant:Nn \xltj_yoko_in_tate_hbox_gset:Nn { c }
```

(End definition for \xilingty) yoko_in_tate_hbox_set:Nn and \xilingty) and \xilingty) in_tate_hbox_gset:Nn. These functions are documented on page \xilingty .

\xltj yoko in tate hbox set to wd:Nnn

\xltj_yoko_in_tate_hbox_set_to_wd:cnn
\xltj_yoko in tate hbox gset to wd:Nnn

\xltj yoko in tate hbox gset to wd:cnn

```
\cs_new:Npn \xltj_yoko_in_tate_hbox_set_to_wd:Nnn #1#2#3
990
991
        \__xltj_yoko_in_tate_box:nnnn
         { \hbox_set:Nn #1 } { \hbox_set_to_wd:Nnn } {{#2}} {#3}
993
994
   \cs_new:Npn \xltj_yoko_in_tate_hbox_gset_to_wd:Nnn #1#2#3
995
996
          _xltj_yoko_in_tate_box:nnnn
997
         { \hbox_gset:Nn #1 } { \hbox_set_to_wd:Nnn } {{#2}} {#3}
998
999
1000
   \cs_generate_variant:Nn \xltj_yoko_in_tate_hbox_set_to_wd:Nn { c }
   \cs_generate_variant:Nn \xltj_yoko_in_tate_hbox_gset_to_wd:Nn { c }
```

(End definition for \xltj_yoko_in_tate_hbox_set_to_wd:Nnn and \xltj_yoko_in_tate_hbox_gset_to_wd:Nnn. These functions are documented on page 6.)

\xltj_yoko_in_tate_hbox_overlap_center:n \xltj_yoko_in_tate_hbox_overlap_right:n \xltj_yoko_in_tate_hbox_overlap_left:n

(End definition for \xltj_yoko_in_tate_hbox_overlap_center:n, \xltj_yoko_in_tate_hbox_overlap_right:n, and \xltj_yoko_in_tate_hbox_overlap_left:n. These functions are documented on page 6.)

```
\xltj_yoko_in_tate_vbox:n
                                     \cs_new:Npn \xltj_yoko_in_tate_vbox:n #1
                                 1009
                                            _xltj_yoko_in_tate_box:nnnn
                                 1010
                                            { \hbox:n } { \vbox_set:Nn } {} {#1}
                                 1011
                                 1012
                                (End definition for \xltj_yoko_in_tate_vbox:n. This function is documented on page 6.)
    \xltj_yoko_in_tate_vbox_to_ht:nn
                                    \cs_new:Npn \xltj_yoko_in_tate_vbox_to_ht:nn #1#2
    \xltj yoko in tate vbox to zero:n
                                 1013
                                 1014
                                            _xltj_yoko_in_tate_box:nnnn
                                 1015
                                            { \hbox:n } { \vbox_set_to_ht:Nnn } {{#1}} {#2}
                                 1016
                                 1017
                                 1018
                                     \cs_new:Npn \xltj_yoko_in_tate_vbox_to_zero:n #1
                                 1020
                                           __xltj_yoko_in_tate_box:nnnn
                                            { \hbox:n } { \vbox_set_to_zero: Nn } {} {#1}
                                 1021
                                 1022
                                (End\ definition\ for\ \xltj\_yoko\_in\_tate\_vbox\_to\_ht:nn\ and\ \xltj\_yoko\_in\_tate\_vbox\_to\_zero:n.\ These
                                functions are documented on page 6.)
      \xltj_yoko_in_tate_vbox_set:Nn
                                     \cs_new:Npn \xltj_yoko_in_tate_vbox_set:Nn #1#2
      \xltj yoko in tate vbox set:cn
     \xltj_yoko_in_tate_vbox_gset:Nn
                                            _xltj_yoko_in_tate_box:nnnn
     \xltj_yoko_in_tate_vbox_gset:cn
                                 1026
                                            { \hbox_set:Nn #1 } { \vbox_set:Nn } {} {#2}
                                 1027
                                     \cs_new:Npn \xltj_yoko_in_tate_vbox_gset:Nn #1#2
                                 1028
                                 1029
                                            _xltj_yoko_in_tate_box:nnnn
                                 1030
                                            { \hbox_gset:Nn #1 } { \vbox_set:Nn } {} {#2}
                                 1031
                                 1032
                                     \cs_generate_variant:Nn \xltj_yoko_in_tate_vbox_set:Nn { c }
                                 1033
                                     \cs_generate_variant:Nn \xltj_yoko_in_tate_vbox_gset:Nn { c }
                                (End\ definition\ for\ \verb|\xltj_yoko_in_tate_vbox_set:Nn\ and\ \verb|\xltj_yoko_in_tate_vbox_gset:Nn.\ These
                                functions are documented on page 6.)
\xltj_yoko_in_tate_vbox_set_to_ht:Nnn
                                     \cs_new:Npn \xltj_yoko_in_tate_vbox_set_to_ht:Nnn #1#2#3
\xltj_yoko_in_tate_vbox_set_to_ht:cnn
                                 1035
                                 1036
\xltj yoko in tate vbox gset to ht:Nnn
                                          \__xltj_yoko_in_tate_box:nnnn
                                 1037
\xltj yoko in tate vbox gset to ht:cnn
                                            { \hbox_set:Nn #1 } { \vbox_set_to_ht:Nnn } {{#2}} {#3}
                                 1038
                                 1039
                                     \cs_new:Npn \xltj_yoko_in_tate_vbox_gset_to_ht:Nnn #1#2#3
                                 1042
                                            _xltj_yoko_in_tate_box:nnnn
                                            { \hbox_gset:Nn #1 } { \vbox_set_to_ht:Nnn } {{#2}} {#3}
                                 1043
                                 1044
```

\cs_generate_variant:Nn \xltj_yoko_in_tate_vbox_set_to_ht:Nnn { c }

\cs_generate_variant:Nn \xltj_yoko_in_tate_vbox_gset_to_ht:Nnn { c }

(End definition for \xltj_yoko_in_tate_vbox_set_to_ht:Nnn and \xltj_yoko_in_tate_vbox_gset_to_ht:Nnn. These functions are documented on page 7.)

3.7.4 横組中の縦組ボックス

横組中に縦組ボックスを配置する場合はボックスを時計回りに90度回転する。

```
\cs_new:Npn \__xltj_tate_in_yoko_box:nnnn #1#2#3#4
     {
1048
       #1
1049
1050
            #2 \l__xltj_rotate_box #3
1051
              { \bool_set_false:N \l__xltj_tate_text_bool #4 }
1052
            \__xltj_rotate_box_tate_in_yoko:N \l__xltj_rotate_box
1053
            \box_use_drop:N \l__xltj_rotate_box
1054
1055
     }
1056
```

\xltj_tate_in_yoko_hbox:n

```
1057 \cs_new:Npn \xltj_tate_in_yoko_hbox:n #1
1058 {
1059 \__xltj_tate_in_yoko_box:nnnn
1060 { \hbox:n } { \hbox_set:Nn } {} #1}
1061 }
```

(End definition for \xltj_tate_in_yoko_hbox:n. This function is documented on page 7.)

\xltj_tate_in_yoko_hbox_to_wd:nn \xltj_tate_in_yoko_hbox_to_zero:n

```
\cs_new:Npn \xltj_tate_in_yoko_hbox_to_wd:nn #1#2
1062
1063
        \__xltj_tate_in_yoko_box:nnnn
1064
1065
          { \hbox:n } { \hbox_set_to_wd:Nnn } {{#1}} {#2}
     }
   \cs_new:Npn \xltj_tate_in_yoko_hbox_to_zero:n #1
1067
1068
          _xltj_tate_in_yoko_box:nnnn
1069
          { \hbox:n } { \hbox_set_to_zero:Nn } {} {#1}
1070
1071
```

 $(End\ definition\ for\ \ \ ltj_tate_in_yoko_hbox_to_wd:nn\ and\ \ \ ltj_tate_in_yoko_hbox_to_zero:n.\ These\ functions\ are\ documented\ on\ page\ \ref{eq:constraint}.)$

\xltj_tate_in_yoko_hbox_set:Nn

```
\xltj_tate_in_yoko_hbox_set:cn
\xltj_tate_in_yoko_hbox_gset:Nn
```

\xltj_tate_in_yoko_hbox_gset:cn

```
\cs_new:Npn \xltj_tate_in_yoko_hbox_set:Nn #1#2
1072
1073
        \__xltj_tate_in_yoko_box:nnnn
1074
          { \hbox_set:Nn #1 } { \hbox_set:Nn } {} {#2}
1075
     }
1076
   \cs_new:Npn \xltj_tate_in_yoko_hbox_gset:Nn #1#2
1077
          _xltj_tate_in_yoko_box:nnnn
1079
          { \hbox_gset:Nn #1 } { \hbox_set:Nn } {} {#2}
1080
1081
   \cs_generate_variant:Nn \xltj_tate_in_yoko_hbox_set:Nn { c }
1082
   \cs_generate_variant:Nn \xltj_tate_in_yoko_hbox_gset:Nn { c }
```

 $(End\ definition\ for\ \xltj_tate_in_yoko_hbox_set: \n\ and\ \xltj_tate_in_yoko_hbox_gset: \n.\ These\ functions\ are\ documented\ on\ page\ \ref{eq:normalize}.)$

```
\xltj_tate_in_yoko_hbox_set_to_wd:Nnn
                                     \cs_new:Npn \xltj_tate_in_yoko_hbox_set_to_wd:Nnn #1#2#3
  \xltj tate in yoko hbox set to wd:cnn
                                 1084
                                 1085
 \xltj tate in yoko hbox gset to wd:Nnn
                                            _xltj_tate_in_yoko_box:nnnn
                                 1086
 \xltj_tate_in_yoko_hbox_gset_to_wd:cnn
                                            { \hbox_set:Nn #1 } { \hbox_set_to_wd:Nnn } {{#2}} {#3}
                                 1087
                                 1088
                                     \cs_new:Npn \xltj_tate_in_yoko_hbox_gset_to_wd:Nnn #1#2#3
                                 1089
                                 1091
                                           __xltj_tate_in_yoko_box:nnnn
                                            { \hbox_gset:Nn #1 } { \hbox_set_to_wd:Nnn } {{#2}} {#3}
                                 1092
                                 1093
                                     \cs_generate_variant:Nn \xltj_tate_in_yoko_hbox_set_to_wd:Nn { c }
                                     \cs_generate_variant:Nn \xltj_tate_in_yoko_hbox_gset_to_wd:Nn { c }
                                 (End definition for \xltj_tate_in_yoko_hbox_set_to_wd:Nnn and \xltj_tate_in_yoko_hbox_gset_to_-
                                 wd:Nnn. These functions are documented on page 7.)
\xltj tate in yoko hbox overlap center:n
                                 1096 \cs_new:Npn \xltj_tate_in_yoko_hbox_overlap_center:n #1
\xltj tate in yoko hbox overlap right:n
                                       { \xltj_tate_in_yoko_hbox_to_zero:n { \tex_hss:D #1 \tex_hss:D } }
 \verb|\xltj_tate_in_yoko_hbox_overlap_left:n| \\
                                     \cs_new:Npn \xltj_tate_in_yoko_hbox_overlap_right:n #1
                                       { \xltj_tate_in_yoko_hbox_to_zero:n { \tex_hss:D #1 } }
                                 1100 \cs_new:Npn \xltj_tate_in_yoko_hbox_overlap_left:n #1
                                       { \xltj_tate_in_yoko_hbox_to_zero:n { #1 \tex_hss:D } }
                                 (End definition for \xltj_tate_in_yoko_hbox_overlap_center:n, \xltj_tate_in_yoko_hbox_overlap_-
                                right:n, and \xltj_tate_in_yoko_hbox_overlap_left:n. These functions are documented on page 7.)
 \xltj_tate_in_yoko_vbox:n
                                     \cs_new:Npn \xltj_tate_in_yoko_vbox:n #1
                                          \__xltj_tate_in_yoko_box:nnnn
                                 1104
                                            { \hbox:n } { \vbox_set:Nn } {} {#1}
                                 1105
                                 1106
                                 (End definition for \xltj_tate_in_yoko_vbox:n. This function is documented on page 7.)
     \xltj_tate_in_yoko_vbox_to_ht:nn
                                     \cs_new:Npn \xltj_tate_in_yoko_vbox_to_ht:nn #1#2
     \xltj tate in yoko vbox to zero:n
                                 1107
                                 1108
                                            _xltj_tate_in_yoko_box:nnnn
                                 1109
                                            { \hbox:n } { \vbox_set_to_ht:Nnn } {{#1}} {#2}
                                 1110
                                     \cs_new:Npn \xltj_tate_in_yoko_vbox_to_zero:n #1
                                 1112
                                 1113
                                          \__xltj_tate_in_yoko_box:nnnn
                                 1114
                                            { \hbox:n } { \vbox_set_to_zero: Nn } {} {#1}
                                 1115
                                 1116
                                 (End\ definition\ for\ \ \ in\_yoko\_in\_yoko\_vbox\_to\_ht:nn\ and\ \ \ in\_yoko\_vbox\_to\_zero:n.\ These
```

functions are documented on page 7.)

\xltj tate in yoko vbox set:Nn

\xltj_tate_in_yoko_vbox_set:cn \xltj tate in yoko vbox gset:Nn

\xltj_tate_in_yoko_vbox_gset:cn

```
\cs_new:Npn \xltj_tate_in_yoko_vbox_set:Nn #1#2
1118
          _xltj_tate_in_yoko_box:nnnn
1119
         { \hbox_set:Nn #1 } { \vbox_set:Nn } {} {#2}
1120
1121
   \cs_new:Npn \xltj_tate_in_yoko_vbox_gset:Nn #1#2
1122
1124
        \__xltj_tate_in_yoko_box:nnnn
1125
         { \hbox_gset:Nn #1 } { \vbox_set:Nn } {} {#2}
   \cs_generate_variant:Nn \xltj_tate_in_yoko_vbox_set:Nn { c }
   \cs_generate_variant:Nn \xltj_tate_in_yoko_vbox_gset:Nn { c }
```

(End definition for \xltj_tate_in_yoko_vbox_set:Nn and \xltj_tate_in_yoko_vbox_gset:Nn. These functions are documented on page 7.)

\xltj tate in yoko vbox set to ht:Nnn \xltj tate in yoko vbox set to ht:cnn

\xltj tate in yoko vbox gset to ht:Nnn

```
\xltj tate in yoko vbox gset to ht:cnn
```

```
\cs_new:Npn \xltj_tate_in_yoko_vbox_set_to_ht:Nnn #1#2#3
1129
1130
        \__xltj_tate_in_yoko_box:nnnn
         { \hbox_set:Nn #1 } { \vbox_set_to_ht:Nnn } {{#2}} {#3}
   \cs_new:Npn \xltj_tate_in_yoko_vbox_gset_to_ht:Nnn #1#2#3
1134
1135
        \__xltj_tate_in_yoko_box:nnnn
1136
         { \hbox_gset:Nn #1 } { \vbox_set_to_ht:Nnn } {{#2}} {#3}
1137
1138
   \cs_generate_variant:Nn \xltj_tate_in_yoko_vbox_set_to_ht:Nnn { c }
1139
   \cs_generate_variant:\n \xltj_tate_in_yoko_vbox_gset_to_ht:\nn { c }
```

(End definition for \xltj_tate_in_yoko_vbox_set_to_ht:Nnn and \xltj_tate_in_yoko_vbox_gset_to_ht:Nnn. These functions are documented on page 8.)

ページ出力 3.8

3.8.1 縦組み時のページ回転処理

縦組みにするためページの回転処理を行う。

IATFX では出力ルーチンで本文領域が \Coutputbox に構築された後 \Coutputpage が 実行されるので、\@outputpage のまえに \@outputbox を 90 度回転する処理を入れる。

```
hook_gput_code:nnn { cmd/@outputpage/before } { ./rotate-page }
     { \__xltj_output_page_before: }
   \hook_gput_code:nnn { cmd/@outputpage/after } { ./rotate-page }
     { \__xltj_output_page_after: }
   \cs_set:Npn \__xltj_output_page_before:
1145
1146
       \bool_if:NT \g__xltj_tate_document_bool
1147
1148
```

\@outputbox を時計回りに 90 度回転する。

__xltj_rotate_box_tate_in_yoko:N \@outputbox

```
\textwidth と \textheight を入れ替える。
           \__xltj_swap_dim:NN \textwidth \textheight
横組み状態で元の \@outputpage を実行する。
           \bool_set_false:N \l__xltj_tate_text_bool
1152
1153
   \cs_set:Npn \__xltj_output_page_after:
1154
       \bool_if:NT \g__xltj_tate_document_bool
1156
縦組みに戻す。
           \bool_set_true:N \l__xltj_tate_text_bool
\textwidth と \textheight をもとに戻す。
           \__xltj_swap_dim:NN \textwidth \textheight
\textwidth と \textheight を入れ替えた状態で \@colht が設定されているので、戻っ
た後もう一度設定しなおす。
           \dim_gset_eq:NN \@colht \textheight
1160
1161
     }
1162
       トンボ
3.8.2
{\tt 1163} \verb|\bool_new:N \g_xltj_tombow_bool|
1165 \tl_new:N \g__xltj_tombow_banner_tl
1167 \dim_new:N \g__xltj_tombow_thickness_dim
1168 \dim_new:N \g__xltj_tombow_length_dim
1169 \dim_new:N \g__xltj_tombow_bleed_dim
1170 \dim_new:N \g__xltj_tombow_hoffset_dim
   \dim_new:N \g__xltj_tombow_voffset_dim
   \keys_define:nn { xelatexja / tombow }
     {
1173
                   .bool_gset:N = \g__xltj_tombow_bool,
       tombow
1174
       color
                   .tl_gset:N
                               = \g__xltj_tombow_color_tl,
1175
                               = \g__xltj_tombow_banner_tl,
       banner
                   .tl_gset:N
1176
       banner-font .tl_gset:N
                               = \g__xltj_tombow_banner_font_tl,
1177
                   .dim_gset:N = \g__xltj_tombow_thickness_dim,
       thickness
1178
                   . \label{eq:dim_gset:N} = \g_{\tt xltj\_tombow\_length\_dim},
1179
       length
                   .dim_gset:N = \g_xltj_tombow_bleed_dim,
1180
       bleed
                   .dim_gset:N = \g__xltj_tombow_hoffset_dim,
       hoffset
1181
                   . \verb|dim_gset:N| = \g_xltj_tombow_voffset_dim|,
       voffset.
1182
1183
   \keys_set:nn { xelatexja / tombow }
1184
1185
       tombow
                   = false,
1187
       color
                   = \normalcolor,
```

1188

banner

= {},

```
banner-font = \usefont{TU}{\lmtt}{m}{n}\fontsize{9}{9}\selectfont,
 1189
                                          = 0.1pt,
 1190
                 thickness
                                           = 10mm
 1191
                 length
                 bleed
                                           = 3mm,
 1192
                 hoffset
                                             = 1in,
                 voffset
                                             = 1in.
 1194
 1195
        \NewDocumentCommand \xltjTombowSetup { m }
 1196
            { \keys_set:nn { xelatexja / tombow } {#1} }
     トンボの出力
        \cs_new:Npn \__xltj_output_tombow:
 1198
 1199
                 \group_begin:
 1200
                 \g__xltj_tombow_color_tl
 1201
線幅をセット
                 \linethickness{\g_xltj_tombow_thickness_dim}
 1202
左上
                 \put(0,\g__xltj_tombow_bleed_dim)
 1203
                     {\line(-1,0){\g_xltj_tombow_length_dim+\g_xltj_tombow_bleed_dim}}
 1204
                 \put(0,\g__xltj_tombow_bleed_dim)
 1205
                     {\line(0,1){\g_xltj_tombow_length_dim}}
 1206
                 \put(-\g__xltj_tombow_bleed_dim,0)
 1207
                     {\line(-1,0){\g_xltj_tombow_length_dim}}
                 \put(-\g__xltj_tombow_bleed_dim,0)
 1209
                     {\line(0,1){\g_xltj_tombow_length_dim+\g_xltj_tombow_bleed_dim}}
上
                 \put(0.5\paperwidth,\g_xltj_tombow_bleed_dim)
 1211
 1212
                     {\line(-1,0){\g_xltj_tombow_length_dim}}
                 \put(0.5\paperwidth,\g__xltj_tombow_bleed_dim)
                     {\line(0,1){\g__xltj_tombow_length_dim}}
 1214
                 \put(0.5\paperwidth,\g__xltj_tombow_bleed_dim)
 1215
                     {\line(1,0){\g__xltj_tombow_length_dim}}
 1216
右上
                 \put(\paperwidth,\g__xltj_tombow_bleed_dim)
 1218
                     {\line(1,0){\g_xltj_tombow_length_dim+\g_xltj_tombow_bleed_dim}}
                 \put(\paperwidth,\g__xltj_tombow_bleed_dim)
 1219
                     1220
                 \put(\paperwidth+\g__xltj_tombow_bleed_dim,0)
                     {\langle (1,0), (g_x) = (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,0), (1,
                 \put(\paperwidth+\g__xltj_tombow_bleed_dim,0)
                     {\line(0,1){\g_xltj_tombow_length_dim+\g_xltj_tombow_bleed_dim}}
 1224
左
                 \put(-\g__xltj_tombow_bleed_dim,-0.5\paperheight)
 1225
                     {\line(0,-1){\g_xltj_tombow_length_dim}}
 1226
                 \put(-\g__xltj_tombow_bleed_dim,-0.5\paperheight)
                     {\line(-1,0){\g__xltj_tombow_length_dim}}
 1228
                 \put(-\g_xltj_tombow_bleed_dim,-0.5\paperheight)
 1229
                     {\line(0,1){\g_xltj_tombow_length_dim}}
 1230
```

```
右
                 \put(\paperwidth+\g__xltj_tombow_bleed_dim,-0.5\paperheight)
                     {\line(0,-1){\g_xltj_tombow_length_dim}}
                 \put(\paperwidth+\g__xltj_tombow_bleed_dim,-0.5\paperheight)
 1233
                     {\line(1,0){\g_xltj_tombow_length_dim}}
 1234
                 \put(\paperwidth+\g__xltj_tombow_bleed_dim,-0.5\paperheight)
 1235
                     {\line(0,1){\g_xltj_tombow_length_dim}}
 1236
左下
                 \put(0,-\paperheight-\g__xltj_tombow_bleed_dim)
                     {\line(-1,0){\g_xltj_tombow_length_dim+\g_xltj_tombow_bleed_dim}}
 1238
                 \put(0,-\paperheight-\g__xltj_tombow_bleed_dim)
 1239
 1240
                     {\line(0,-1){\g_xltj_tombow_length_dim}}
                 \put(-\g__xltj_tombow_bleed_dim,-\paperheight)
 1241
                     {\line(-1,0){\g_xltj_tombow_length_dim}}
 1242
                 \put(-\g__xltj_tombow_bleed_dim,-\paperheight)
 1243
                     {\line(0,-1){\g_xltj_tombow_length_dim+\g_xltj_tombow_bleed_dim}}
 1244
 下
                 \put(0.5\paperwidth,-\paperheight-\g_xltj_tombow_bleed_dim)
                     {\left(-1,0\right)}\left(-1,t\right)
                 \put(0.5\paperwidth,-\paperheight-\g_xltj_tombow_bleed_dim)
                     {\line(0,-1){\g_xltj_tombow_length_dim}}
 1248
                 \put(0.5\paperwidth,-\paperheight-\g__xltj_tombow_bleed_dim)
 1249
 1250
                     {\line(1,0){\g_xltj_tombow_length_dim}}
右下
                 \put(\paperwidth, -\paperheight-\g__xltj_tombow_bleed_dim)
 1251
                     {\line(1,0){\g_xltj_tombow_length_dim+\g_xltj_tombow_bleed_dim}}
 1252
                 \put(\paperwidth, -\paperheight-\g__xltj_tombow_bleed_dim)
 1253
                     {\langle (0,-1) \{ (g_x) \} \}}
 1254
                 \put(\paperwidth+\g__xltj_tombow_bleed_dim,-\paperheight)
 1255
                     {\line(1,0){\g_xltj_tombow_length_dim}}
 1256
                 \put(\paperwidth+\g__xltj_tombow_bleed_dim,-\paperheight)
 1257
                     {\cline{0,-1)}\{\cline{0,-1)}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}\{\cline{0,-1}\}
 1258
バナ
                 \put(5mm,\g__xltj_tombow_bleed_dim+4pt)
 1259
                     { \g_xltj_tombow_banner_font_tl \g_xltj_tombow_banner_tl }
 1260
                 \group_end:
 1261
            }
    shipout/background フックでトンボを描画する。
        \hook_gput_code:nnn { shipout/background } { ./tombow }
 1263
                 \bool_if:NT \g__xltj_tombow_bool
                     { \__xltj_output_tombow: }
 1266
        \hook_gput_code:nnn { begindocument } { ./tombow }
 1268
 1269
                 \bool_if:NT \g__xltj_tombow_bool
                         \dim_gadd:Nn \tex_hoffset:D { \g__xltj_tombow_hoffset_dim }
                         \dim_gadd:Nn \tex_voffset:D { \g__xltj_tombow_voffset_dim }
```

1275

3.9 ユーティリティ関数

\xltj_int_to_kansuji:n

```
\cs_new:Npn \xltj_int_to_kansuji:n #1
       \int_compare:nNnF {#1} < { 0 }
1278
           \exp_args:Nf
1280
           \tl_map_function:nN
1281
              { \int_eval:n {#1} }
1282
              \__xltj_int_to_kansuji_digit:n
1283
1284
     }
1285
   \cs_new:Npn \__xltj_int_to_kansuji_digit:n #1
1286
       \int_case:nn {#1}
         {
           {0}{0}
1290
           {1}{-}
1291
           { 2 } { \vec{\square} }
1292
           {3}{三}
1293
           {4}{四}
1294
           {5}{五}
1295
           { 6 } { 六 }
1296
           { 7
               }{七}
1297
           {8}{八}
           {9}{九}
         }
1300
     }
1301
```

(End definition for \xltj_int_to_kansuji:n. This function is documented on page ??.)

3.10 pIFT_EX 2ε 互換インターフェイス

```
\prg_new_conditional:Npnn \platex_if_direction_yoko: { p, T, F, TF }
1303
       \bool_if:NTF \l__xltj_tate_text_bool
1304
         { \prg_return_false: }
1305
         { \prg_return_true: }
1306
   \prg_new_conditional:Npnn \platex_if_direction_tate: { p, T, F, TF }
1309
       \bool_if:NTF \l__xltj_tate_text_bool
         { \prg_return_true: }
1311
         { \prg_return_false: }
1312
   \cs_new_eq:NN \IfDirectionYokoT
                                     \platex_if_direction_yoko:T
   \cs_new_eq:NN \IfDirectionYokoF
                                     \platex_if_direction_yoko:F
   \cs_new_eq:NN \IfDirectionYokoTF \platex_if_direction_yoko:TF
1317 \cs_new_eq:NN \IfDirectionTateT
                                     \platex_if_direction_tate:T
1318 \cs_new_eq:NN \IfDirectionTateF
                                     \platex_if_direction_tate:F
```

```
\cs_new_eq:NN \xltjsetkanjiskip \xltj_set_kanjiskip:n
           \cs_new_eq:NN \xltjgetkanjiskip \xltj_get_kanjiskip:
       1322 \cs_new_eq:NN \xltjsetxkanjiskip \xltj_set_xkanjiskip:n
           \cs_new_eq:NN \xltjgetxkanjiskip \xltj_get_xkanjiskip:
           \cs_new_eq:NN \setkanjiskip \xltj_set_kanjiskip:n
           \cs_new_eq:NN \getkanjiskip \xltj_get_kanjiskip:
           \cs_new_eq:NN \setxkanjiskip \xltj_set_xkanjiskip:n
           \cs_new_eq:NN \getxkanjiskip \xltj_get_xkanjiskip:
           \cs_new_protected:Npn \autospacing
             { \bool_set_false:N \l__xltj_noautospacing_bool }
           \cs_new_protected:Npn \autoxspacing
             { \bool_set_false:N \l__xltj_noautoxspacing_bool }
           \cs_new_protected:Npn \noautospacing
             { \bool_set_true: N \l__xltj_noautospacing_bool }
           \cs_new_protected:Npn \noautoxspacing
       1334
             { \bool_set_true:N \l__xltj_noautoxspacing_bool }
       1335
           \cs_new_protected:Npn \inhibitglue
             { \bool_set_true: N \l__xltj_inhibitglue_bool }
           \hook_gput_code:nnn { normalfont } { . }
       1338
             { \xltj_set_kanji_family:x { \kanjifamilydefault } }
           \cs_new:Npn \mcdefault { mc }
           \cs_new:Npn \gtdefault { gt }
           \cs_new:Npn \kanjifamilydefault { \mcdefault }
           \NewDocumentCommand \mcfamily {}
             { \xltj_set_kanji_family:x { \mcdefault } \selectfont }
           \NewDocumentCommand \gtfamily {}
             { \xltj_set_kanji_family:x { \gtdefault } \selectfont }
           \DeclareTextFontCommand{\textmc}{\mcfamily}
           \DeclareTextFontCommand{\textgt}{\gtfamily}
           \cs_new_eq:NN \tokansuji \xltj_int_to_kansuji:n
               JFM ファイルの読み込み
       3.11
       1350 \input{xltjfm-\g_xltj_jfm_name_tl.def}
       1351 (/package)
              xltjext パッケージ
       3.12
       1352 (*xltjext)
\pbox
           \bool_new:N \l__xltj_make_pbox_tate_bool
           \bool_new:N \l__xltj_make_pbox_rotate_bool
           \NewDocumentCommand \pbox { d<> o O{c} m }
       1357
               \scan_stop:
               \mode_if_vertical:T { \mode_leave_vertical: }
       1358
               \bool_set_eq:NN \l__xltj_make_pbox_tate_bool \l__xltj_tate_text_bool
       1359
               \bool_set_false:N \l__xltj_make_pbox_rotate_bool
       1360
               \IfValueT {#1}
       1361
```

1319 \cs_new_eq:NN \IfDirectionTateTF \platex_if_direction_tate:TF

```
\str_case:nn {#1}
           1363
                          {
           1364
                            { y }
           1365
                              {
           1366
                                \bool_set_false:N \l__xltj_make_pbox_tate_bool
           1367
                                \xltj_if_tate_text:T
           1368
                                   { \bool_set_true: N \l__xltj_make_pbox_rotate_bool }
           1369
                              }
                            { t }
                              {
                                \bool_set_true:N \l__xltj_make_pbox_tate_bool
           1373
                                \xltj_if_tate_text:F
           1374
                                   { \bool_set_true: N \l__xltj_make_pbox_rotate_bool }
                              }
           1376
                            { z
           1377
           1378
                                 \bool_set_false:N \l__xltj_make_pbox_tate_bool
           1379
                          }
                     }
                   \hbox_set:Nn \l__xltj_rotate_box
           1383
           1384
                        \bool_set_eq:NN \l__xltj_tate_text_bool \l__xltj_make_pbox_tate_bool
           1385
                        \IfValueTF {#2} { \makebox[#2][#3]{#4} } { \makebox{#4} }
           1386
                     }
           1387
                   \bool_if:NTF \l__xltj_make_pbox_rotate_bool
           1388
           1389
                     {
                        \xltj_if_tate_text:TF
           1390
                            \__xltj_rotate_box_yoko_in_tate:N \l__xltj_rotate_box
                            \xltj_box_tjabaselineshift:n { \box_use_drop:N \l__xltj_rotate_box }
                          }
           1394
                          {
           1395
                               _xltj_rotate_box_tate_in_yoko:N \l__xltj_rotate_box
           1396
                            \xltj_box_yjabaselineshift:n { \box_use_drop:N \l__xltj_rotate_box }
           1397
           1398
                     }
           1399
                     {
           1400
                        \box_use_drop:N \l__xltj_rotate_box
                     }
                 }
           (End definition for \pbox. This function is documented on page ??.)
\rensuji
               \newskip\rensujiskip
               rensujiskip=0.25\1_xltj_zw_dim plus.25\1_xltj_zw_dim minus.25\1_xltj_zw_diw
               \NewDocumentCommand \rensuji { s O{c} m }
           1407
                 {
                   \scan_stop:
           1408
                   \mode_if_vertical:T { \mode_leave_vertical: }
           1409
                   \xltj_if_tate_text:TF
           1410
                     {
           1411
```

1362

```
\skip_horizontal:n { \rensujiskip }
1412
             \IfBooleanF {#1}
1413
               {
1414
                  \xltj_yoko_in_tate_hbox_set:Nn \l_tmpa_box {#3}
1415
                  \dim_set:Nn \l_tmpa_dim
1416
                    { \box_ht:N \l_tmpa_box + \box_dp:N \l_tmpa_box }
1417
                  \hbox_set:Nn \l_tmpa_box
1418
                    {
1419
                      \str_case:nn {#2}
                        {
1421
                           { c }
                           {
1423
                             \__xltj_vrule:nnn
1424
                               { \c_zero_dim }
1425
                               { 0.5\l_tmpa_dim }
1426
                               { 0.5\l_tmpa_dim }
1427
                           }
1428
                           { r }
1429
                             \__xltj_vrule:nnn
                               { \c_zero_dim }
                               { 0.5\l_xltj_zw_dim }
1433
                               { \label{locality} $ \{ \sum_{x=0.5}l_xltj_zw_dim } 
1434
                           }
1435
                           { 1 }
1436
                           {
1437
                             \__xltj_vrule:nnn
1438
                               { \c_zero_dim }
1439
                               { \l_tmpa_dim - 0.5\l_xltj_zw_dim }
1440
                               { 0.5\l_xltj_zw_dim }
                           }
1442
                        }
1443
                    }
1444
                 \verb|\xltj_box_tjabaselineshift:n| \\
1445
                    { \box_use_drop:N \l_tmpa_box }
1446
1447
             \xltj_box_tjabaselineshift:n
1448
1449
               {
                 \xltj_yoko_in_tate_hbox_to_wd:nn { 1\l_xltj_zw_dim }
1450
                    {
                      \str_case:nn {#2}
                        {
                           { c } { \tex_hss:D #3 \tex_hss:D }
1454
                           { r } { \tex_hss:D #3 }
1455
                           { 1 } { #3 \tex_hss:D }
1456
1457
                    }
1458
               }
1459
             \skip_horizontal:n { \rensujiskip }
1460
1461
          {
1463
             \hbox:n {#3}
          }
1464
      }
1465
```

```
1466 \let\Rensuji\rensuji
         1467 \let\prensuji\rensuji
        (End definition for \rensuji. This function is documented on page ??.)
\Kanji
            \NewExpandableDocumentCommand \Kanji { m }
                 \xltj_int_to_kansuji:n { \use:c { c@#1 } }
        (End definition for \Kanji. This function is documented on page ??.)
\kanji
            \NewExpandableDocumentCommand \kanji { m }
         1473
                 \xltj_if_tate_text:TF
         1474
                   { \xltj_int_to_kansuji:n {#1} }
         1475
         1476
        (End definition for \kanji. This function is documented on page ??.)
         1478 \langle /xltjext \rangle
                JFM ファイル
        3.13
         1479 (*jfm)
         1480 (*standard)
         1481 \xltj_set_kanjiskip_lazy:n { Opt plus .25\l_xltj_zw_dim minus Opt }
         1482 \xltj_set_xkanjiskip_lazy:n { .25\l_xltj_zw_dim plus .25\l_xltj_zw_dim minus .125\l_xltj_zw_
          文字クラス
         1483 \xltj_class_new_kanji:n { kanji/open }
         1484 \xltj_class_new_kanji:n { kanji/close }
         1485 \xltj_class_new_kanji:n { kanji/middle }
         1486 \xltj_class_new_kanji:n { kanji/fullstop }
         1487 \xltj_class_new_kanji:n { kanji/nodiv }
         1488 \xltj_class_new_kanji:n { kanji/noprebreak }
         1489 \xltj_class_new_kanji:n { kanji/nopostbreak }
         1490 \xltj_class_new_kanji:n { kanji/smallkana }
         1491 \xltj_class_new_kanji:n { kanji/combining }
         1492 \xltj_class_new_alpha:n { alpha/left }
         1493 \xltj_class_new_alpha:n { alpha/right }
         1494 \xltj_class_new_alpha:n { alpha/middle }
         1495 \xltj_gset_no_kanji_interchar:nn { kanji/default } { kanji/combining }
         1496 \xltj_gset_no_kanji_interchar:nn { kanji/smallkana } { kanji/combining }
         1497 \xltj_class_update:
        3.13.1 和文文字の設定
        和文文字の設定は LuaT<sub>F</sub>X-ja をベースにする。
         1498 \xltj_char_set_class_range:nnn { "00 } { "FFFF } { alpha/default }
         1499 \xltj_char_set_class_range:nnn { "10000 } { "1FFFF } { alpha/default }
```

ギリシャ文字とキリル文字

記号類

```
1502 \xltj_char_set_class_range:nnn { "2000 } { "20CF } { kanji/default }
1503 \xltj_char_set_class_range:nnn { "2100 } { "243F } { kanji/default }
1504 \xltj_char_set_class_range:nnn { "2500 } { "27BF } { kanji/default }
1505 \xltj_char_set_class_range:nnn { "2900 } { "29FF } { kanji/default }
1506 \xltj_char_set_class_range:nnn { "2800 } { "28FF } { kanji/default }
```

CJK 文字

```
1507 \xltj_char_set_class_range:nnn { "2460 } { "24FF } { kanji/default }
1508 \xltj_char_set_class_range:nnn { "2E80 } { "2EFF } { kanji/default }
1509 \xltj_char_set_class_range:nnn { "3000 } { "30FF } { kanji/default }
1510 \xltj_char_set_class_range:nnn { "3190 } { "319F } { kanji/default }
1511 \xltj_char_set_class_range:nnn { "31F0 } { "4DBF } { kanji/default }
1512 \xltj_char_set_class_range:nnn { "4E00 } { "9FFF } { kanji/default }
1513 \xltj_char_set_class_range:nnn { "F900 } { "FAFF } { kanji/default }
1514 \xltj_char_set_class_range:nnn { "FE10 } { "FE1F } { kanji/default }
1515 \xltj_char_set_class_range:nnn { "FE30 } { "FF6F } { kanji/default }
1516 \xltj_char_set_class_range:nnn { "FF00 } { "FFFF } { kanji/default }
1517 \xltj_char_set_class_range:nnn { "1AFF0 } { "1B16F } { kanji/default }
1518 \xltj_char_set_class_range:nnn { "1F100 } { "1F2FF } { kanji/default }
1519 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1519 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1510 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1511 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1512 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1513 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1514 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1515 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1516 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1517 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1518 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1519 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1519 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1510 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1510 \xltj_char_set_class_range:nnn { "20000 } { "3FFFF } { kanji/default }
1510 \xlt
```

CJK 文字

```
1520 \xltj_char_set_class_range:nnn { "1100 } { "11FF } { kanji/default }
1521 \xltj_char_set_class_range:nnn { "2F00 } { "2FFF } { kanji/default }
1522 \xltj_char_set_class_range:nnn { "3100 } { "318F } { kanji/default }
1523 \xltj_char_set_class_range:nnn { "31A0 } { "31EF } { kanji/default }
1524 \xltj_char_set_class_range:nnn { "A000 } { "A4CF } { kanji/default }
1525 \xltj_char_set_class_range:nnn { "A960 } { "A97F } { kanji/default }
1526 \xltj_char_set_class_range:nnn { "AC00 } { "D7FF } { kanji/default }
```

CJK 文字

```
1527 \xltj_char_set_class_clist:nn
1528 { "A7, "A8, "B0, "B1, "B4, "B6, "D7, "F7 } { kanji/default }
```

結合文字 結合文字は文字クラス ignored (4096) にしたいのだが、 X_{T} IAT $_{E}$ X-ja が(主に縦組みで)完全に壊れてしまうため設定できない。

ダイアクリティカルマーク

```
1529 % \xltj_char_set_class_range:nnn { "0300 } { "036F } { ignored }
1530 % \xltj_char_set_class_range:nnn { "1AB0 } { "1AFF } { ignored }
1531 % \xltj_char_set_class_range:nnn { "1DC0 } { "1DFF } { ignored }
1532 % \xltj_char_set_class_range:nnn { "20D0 } { "20FF } { ignored }
1533 % \xltj_char_set_class_range:nnn { "FE20 } { "FE2F } { ignored }
```

異体字セレクタ

```
1535 \xltj_char_set_class_range:nnn { "E0100 } { "E01EF } { kanji/combining }
  結合可能濁点・半濁点
1536 \xltj_char_set_class:nn { "3099 } { kanji/combining }
1537 \xltj_char_set_class:nn { "309A } { kanji/combining }
 開き括弧類
1538 \xltj_char_set_class_clist:nn
       "2018 , "201C , "2329 , "3008 , "300A , "300C , "300E , "3010 , \,
       "3014 , "3016 , "3018 , "301A , "301D , "FF08 , "FF3B , "FF5B ,
1541
1542
1543
     { kanji/open }
1544
 閉じ括弧類
1545 \xltj_char_set_class_clist:nn
1546
       "2019 , "201D , "232\texttt{A} , "3001 , "3009 , "300B , "300D , "300F ,
1547
       "3011 , "3015 , "3017 , "3019 , "301B , "301E , "301F , "FF09 ,
1548
       "FFOC , "FF3D , "FF5D , "FF60
1549
     { kanji/close }
 中点類
1552 \xltj_char_set_class_clist:nn
       "00B7 , "30FB , "FF1A , "FF1B
     { kanji/middle }
 句点類
1557 \xltj_char_set_class_clist:nn
       "3002 , "FF0E
1560
     { kanji/fullstop }
 分割禁止文字
1562 \xltj_char_set_class_clist:nn
       "2014 , "2015 , "2025 , "2026
1564
1565
     { kanji/nodiv }
1566
 行頭禁則文字
1567 \xltj_char_set_class_clist:nn
       "00AA , "00B2 , "00B3 , "00B4 , "00B9 , "00BA , "02D0 , "2122 ,
1569
       "3005 , "3033 , "3034 , "3035 , "303B , "309B , "309C , "309D ,
       "309E , "30FC , "30FD , "30FE , "FF01 , "FF1F , "FF61 , "FF63 ,
1571
       "FF64 , "FF9E , "FF9F
1572
```

```
{ kanji/noprebreak }
1574
 行末禁則文字
   \xltj_char_set_class_clist:nn
       "00A1 , "00BF , "20AC , "FF40 , "FF62
1578
     { kanji/nopostbreak }
 小書き仮名
   \xltj_char_set_class_clist:nn
1580
1581
       "3041 , "3043 , "3045 , "3047 , "3049 , "3063 , "3083 , "3085 ,
1582
       "3087 , "308E , "30A1 , "30A3 , "30A5 , "30A7 , "30A9 , "30C3 ,
1583
       "30E3 , "30E5 , "30E7 , "30EE , "30F5 , "30F6 , "3095 , "3096 ,
1584
       "31F0 , "31F1 , "31F2 , "31F3 , "31F4 , "31F5 , "31F6 , "31F7 ,
1585
       "31F8 , "31F9 , "31FA , "31FB , "31FC , "31FD , "31FE , "31FF
1586
1587
     { kanji/smallkana }
1588
   \xltj_char_set_class_clist:nn
1590
       "0028 , "005B , "0060
1591
1592
     { alpha/left }
1593
   \xltj_char_set_class_clist:nn
1594
1595
        "0027 , "0029 , "002C , "002E , "003A , "003B , "005D
1596
1597
     { alpha/right }
1598
   \xltj_char_set_class_clist:nn
1599
1600
       "0021 , "0022 , "0023 , "0024 , "0025 , "0026 , "002A , "002B ,
1601
       "002D , "002F , "003C , "003D , "003E , "003F , "0040 , "005C ,
1602
       "005E , "005F , "007B , "007C , "007D , "007E ,
1603
     { alpha/middle }
 和文文字クラス間のグルー・カーン設定
   \xltj_jfm_set_glue:nnn { kanji/default } { kanji/open }
     { 0.5\l_xltj_zw_dim\ minus\ 0.5\l_xltj_zw_dim\ }
   \xltj_jfm_set_glue:nnn { kanji/default } { kanji/middle }
     { 0.25\l_xltj_zw_dim minus 0.25\l_xltj_zw_dim }
1609
   \xltj_jfm_set_glue:nnn { kanji/open } { kanji/middle }
1610
     { 0.25\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
1611
   \xltj_jfm_set_glue:nnn { kanji/close } { kanji/default }
     { 0.5\l_xltj_zw_dim minus 0.5\l_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn { kanji/close } { kanji/open }
     { 0.5\l_xltj_zw_dim\ minus\ 0.5\l_xltj_zw_dim\ }
1616 \xltj_jfm_set_glue:nnn { kanji/close } { kanji/middle }
    { 0.25\1_xltj_zw_dim minus 0.25\1_xltj_zw_dim }
1618 \xltj_jfm_set_glue:nnn { kanji/close } { kanji/nodiv }
```

```
{ 0.5\l_xltj_zw_dim minus 0.5\l_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn { kanji/close } { kanji/noprebreak }
     { 0.5\l_xltj_zw_dim minus 0.5\l_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn {    kanji/close } {    kanji/nopostbreak }
     { 0.5\l_x ltj_z w_dim minus 0.5\l_x ltj_z w_dim }
1623
   \xltj_jfm_set_glue:nnn { kanji/close } { kanji/smallkana }
     { 0.5\l_xltj_zw_dim minus 0.5\l_xltj_zw_dim }
1625
   \xltj_jfm_set_glue:nnn { kanji/close } { kanji/combining }
     { 0.5\l_xltj_zw_dim\ minus\ 0.5\l_xltj_zw_dim\ }
   \xltj_jfm_set_glue:nnn { kanji/middle } { kanji/default }
1628
     { 0.25\l_xltj_zw_dim minus 0.25\l_xltj_zw_dim }
1629
   \xltj_jfm_set_glue:nnn {    kanji/middle } {    kanji/open }
     { 0.25\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
   \xltj_jfm_set_glue:nnn {    kanji/middle } {    kanji/close }
     { 0.25\1_x1tj_zw_dim minus 0.25\1_x1tj_zw_dim }
   \xltj_jfm_set_glue:nnn {    kanji/middle } {    kanji/middle }
1634
     { 0.5\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
   \xltj_jfm_set_glue:nnn { kanji/middle } { kanji/fullstop }
1636
     { 0.25\ln x1tj_zw_dim\ minus\ 0.25\ln x1tj_zw_dim\ }
1637
   \xltj_jfm_set_glue:nnn { kanji/middle } { kanji/nodiv }
1638
     { 0.25\1_x1tj_zw_dim minus 0.25\1_x1tj_zw_dim }
1639
   \xltj_jfm_set_glue:nnn { kanji/middle } { kanji/noprebreak }
     { 0.25\l_xltj_zw_dim minus 0.25\l_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn { kanji/middle } { kanji/nopostbreak }
     { 0.25\l_xltj_zw_dim minus 0.25\l_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn {    kanji/middle } {    kanji/smallkana }
     { 0.25\l_xltj_zw_dim minus 0.25\l_xltj_zw_dim }
1645
   \xltj_jfm_set_glue:nnn { kanji/middle } { kanji/combining }
1646
     { 0.25\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
1647
   \xltj_jfm_set_glue:nnn {    kanji/fullstop } {    kanji/default }
     { 0.5\1_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn {    kanji/fullstop } {    kanji/open }
1650
     { 0.5\1_x1tj_zw_dim }
1651
   \xltj_jfm_set_glue:nnn { kanji/fullstop } { kanji/middle }
1652
     { 0.75\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
1653
   \xltj_jfm_set_glue:nnn {    kanji/fullstop } {    kanji/nodiv }
1654
     { 0.5\1_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn {    kanji/fullstop } {    kanji/noprebreak }
     \{ 0.5 \mid 1_x \mid tj_z w_dim \}
   \xltj_jfm_set_glue:nnn { kanji/fullstop } { kanji/nopostbreak }
     { 0.5\l_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn { kanji/fullstop } { kanji/smallkana }
1660
     { 0.5\ln xltj_zw_dim }
1661
   \xltj_jfm_set_glue:nnn {    kanji/fullstop } {    kanji/combining }
1662
     \{ 0.5 \mid 1 \text{ xltj zw dim } \}
1663
   \xltj_jfm_set_glue:nnn {    kanji/nodiv } {    kanji/open }
     { 0.5\l_xltj_zw_dim minus 0.5\l_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn { kanji/nodiv } { kanji/middle }
1666
     { 0.25\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
1667
   \xltj_jfm_set_kern:nnn { kanji/nodiv } { kanji/nodiv }
1668
     { \c_zero_dim }
   \xltj_jfm_set_glue:nnn { kanji/noprebreak } { kanji/open }
     { 0.5\l_xltj_zw_dim minus 0.5\l_xltj_zw_dim }
```

```
1672 \xltj_jfm_set_glue:nnn { kanji/noprebreak } { kanji/middle }
     { 0.25\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
   \xltj jfm set glue:nnn { kanji/nopostbreak } { kanji/open }
     { 0.5\l_xltj_zw_dim minus 0.5\l_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn { kanji/nopostbreak } { kanji/middle }
     { 0.25\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
   \xltj_jfm_set_glue:nnn { kanji/smallkana } { kanji/open }
     { 0.5\l_xltj_zw_dim minus 0.5\l_xltj_zw_dim }
   \xltj_jfm_set_glue:nnn { kanji/smallkana } { kanji/middle }
     { 0.25\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
1682 \xltj_jfm_set_glue:nnn { kanji/combining } { kanji/open }
     { 0.5\l_xltj_zw_dim\ minus\ 0.5\l_xltj_zw_dim\ }
1684 \xltj_jfm_set_glue:nnn { kanji/combining } { kanji/middle }
     { 0.25\l_xltj_zw_dim\ minus\ 0.25\l_xltj_zw_dim\ }
 和文文字の文字幅調整設定
1686 \xltj_jfm_set_precharwd:nn { kanji/open } { -0.5\l_xltj_zw_dim }
1687 \xltj_jfm_set_postcharwd:nn { kanji/close } { -0.5\l_xltj_zw_dim }
1688 \xltj_jfm_set_precharwd:nn { kanji/middle } { -0.25\l_xltj_zw_dim }
1689 \xltj jfm set postcharwd:nn { kanji/middle } { -0.25\l xltj zw dim }
1690 \xltj_jfm_set_postcharwd:nn { kanji/fullstop } { -0.5\l_xltj_zw_dim }
 和文文字の禁則設定
\xltj_jfm_set_postbreakpenalty:nn { kanji/open } { 10000 }
1692 \xltj_jfm_set_prebreakpenalty:nn { kanji/close } { 10000 }
\xltj_jfm_set_prebreakpenalty:nn { kanji/fullstop } { 10000 }
\xltj_jfm_set_prebreakpenalty:nn { kanji/middle } { 10000 }
1695 \xltj_jfm_set_prebreakpenalty:nn { kanji/nodiv } { 250 }
1696 \xltj_jfm_set_postbreakpenalty:nn { kanji/nopostbreak } { 10000 }
1697 \xltj_jfm_set_prebreakpenalty:nn { kanji/noprebreak } { 10000 }
1698 \xltj_jfm_set_prebreakpenalty:nn { kanji/smallkana } { 150 }
 和欧文間空白の挿入設定
1699 \xltj_jfm_set_xspmode:nn { kanji/open } { preonly }
1700 \xltj_jfm_set_xspmode:nn { kanji/close } { postonly }
1701 \xltj_jfm_set_xspmode:nn { kanji/fullstop } { postonly }
1702 \xltj_jfm_set_xspmode:nn { kanji/middle } { inhibit }
1703 \xltj_jfm_set_xspmode:nn { kanji/nodiv } { inhibit }
1704 \xltj_jfm_set_xspmode:nn { kanji/nopostbreak } { preonly }
1705 \xltj_jfm_set_xspmode:nn { kanji/noprebreak } { postonly }
1706 \xltj_jfm_set_xspmode:nn { alpha/left } { preonly }
1707 \xltj_jfm_set_xspmode:nn { alpha/right } { postonly }
1708 \xltj_jfm_set_xspmode:nn { alpha/middle } { inhibit }
1709 (/standard)
1710 (/jfm)
```

BXJS ドキュメントクラス用和文ドライバファイル

1711 (*bxjsja)

minimal 和文ドライバを読み込む。

```
1712 \input{bxjsja-minimal.def}
 \zw が二重定義になるので削除する。
1713 \cs_if_exist:NT \zw
    { \cs_undefine:N \zw }
 X元ATrX-ja を読み込む。
1715 \RequirePackage[jascale={\jsZw/\f@size pt}]{xelatexja}
 単位等を定義する。
1716 \dim_const:Nn \jQ { 0.25mm }
1717 \cs_new_eq:NN \jH \jQ
1718 \dim_const:Nn \trueQ { 0.25truemm }
1719 \cs_new_eq:NN \trueH \trueQ
1720 \dim_const:Nn \ascQ { \fp_to_dim:n { 1\trueQ / \xltj_get_jascale: } }
   \dim_const:Nn \ascpt
     { \fp_to_dim:n { \dim_eval:n { 1truept } / \xltj_get_jascale: } }
 和文フォント命令を定義する。
1723 \DeclareJaTextFontCommand{\textmc}{\mcfamily}
   \DeclareJaTextFontCommand{\textgt}{\gtfamily}
 欧文フォントファミリと和文フォントファミリを連動させる。
   \hook_gput_code:nnn { rmfamily } { . }
     { \mcfamily }
1726
   \hook_gput_code:nnn { sffamily } { . }
1727
     { \gtfamily }
   \hook_gput_code:nnn { ttfamily } { . }
     { \gtfamily }
 和文間空白
   \def\bxjs@kanjiskip{0pt}
   \renewcommand*\setkanjiskip[1]{%
     \edef\bxjs@kanjiskip{#1}%
     \bxjs@reset@kanjiskip}
   \renewcommand*\getkanjiskip{%
     \bxjs@kanjiskip}
   \bxjs@robust@def\bxjs@reset@kanjiskip{%
     \setlength{\Otempskipa}{\bxjsOkanjiskip}%
     \bxjs@apply@kanjiskip}
 和文欧文間空白
1740 \def\bxjs@xkanjiskip{0pt}
   \renewcommand*\setxkanjiskip[1]{%
1741
     \edef\bxjs@xkanjiskip{#1}%
1742
     \bxjs@reset@xkanjiskip}
1743
   \renewcommand*\getxkanjiskip{%
1744
     \bxjs@xkanjiskip}
1745
   \bxjs@robust@def\bxjs@reset@xkanjiskip{%
     \setlength{\@tempskipa}{\bxjs@xkanjiskip}%
     \bxjs@apply@xkanjiskip}
 フォントサイズ変更時に (x)kanjiskip を連動
   \g@addto@macro\jsResetDimen{%
     \bxjs@reset@kanjiskip
     \bxjs@reset@xkanjiskip}
1752 \let\bxjs@apply@kanjiskip\relax
```

```
1753 \let\bxjs@apply@xkanjiskip\relax
1754 \def\bxjs@apply@kanjiskip{%
1755 \xltjsetkanjiskip{\@tempskipa}}
1756 \def\bxjs@apply@xkanjiskip{%
1757 \xltjsetxkanjiskip{\@tempskipa}}

(x)kanjiskip の初期値を設定する。
1758 \setkanjiskip{Opt plus.1\zw minus.01\zw}
1759 \ifx\jsDocClass\jsSlide
1760 \setxkanjiskip{0.1em}
1761 \else
1762 \setxkanjiskip{0.25em plus 0.15em minus 0.06em}
1763 \fi
1764 ⟨/bxjsja⟩
```

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7, <u>1062</u> , 1062	\xltj_yoko_in_tate_vbox_to
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ht:Nnn 8, <u>1129</u> , 1134, 1140	1659, 1661, 1663, 1665, 1667, 1671,
\xltj_tate_in_yoko_vbox_set:Nn	1673, 1675, 1677, 1679, 1681, 1683,
7, <u>1117</u> , 1117, 1127	1685, 1686, 1687, 1688, 1689, 1690
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