Introduction

The package contains the font files and pre-processor for printing Sanskrit in both devanagari and transliterated roman with diacritics.

Some features of the devanagari are:

- Font available in three weights and two slopes.
- The i-hooks connect to the consonant at the correct position.
- Accents for all Vedas (23 symbols).
- Accent marking in colour or grey shading.
- Choice of basic character forms, and samyoga.
- Dynamic option selection.
- Range of inter- and intra-syllable spacing.
- Vedic anusvaara and jihvaamuuliiya/upadhmaaniiya.
- Crisper characters (to look good at poster size of 150mm/6-inches).

Some features of the transliterated roman:

- Transliterated output in roman script with diacritics, using the same encoding scheme as for producing devanaagarii.
- Technical transliterated output using four 'cases', following the style of S.M.Katre in his translation of the A.s.taadhyaayii.
- Each transliteration mode has four styles: roman/italic x bold/normal.

The font and supporting files are designed for use with LaTeX2e; it is a bitmap font using Metafont.

Installation

Run the metafont program on the eight font source files (the typical command would be `mf "\mode=ljfour; mag=1; input skt8;"` to produce the `.tfm` files. If you are using `dvips`, then the `.pk` files will be produced automatically on demand; if not, then you will need to

1. Convert the .gf files with the command `gftopk skt8.600gf` (the number '600' depends upon your printer resolution and the magnification) to produce `skt8.pk` which must be copied to the appropriate subdirectory.
2. Repeat this process with all eight fonts.
3. For the six `skt*10.mf` files the whole process needs to be repeated with the mag value in the `mf` command set to 1.095, 1.2, 1.44, 1.728, 2.074 and 2.488.

The `mf_inputs` path needs to point to the files with a `.mf` extension; the `tex_fonts` path should point to the `.tfm` files; the `tex_inputs` path should point to the files `skt.sty`, `ot1skt.fd`. The `tex_exe` (or other appropriate) path should point to `skt.exe`.

To test the setup on the documentation file: first run the pre-processor `skt sktdoc` and then `latex sktdoc`. The files `ifthen.sty`, `relsize.sty`, `xcolor.sty` and `multicol.sty` are also required.

The files that you should have are:

`readme.md`
This file.

`skt.sty`
Style file (LaTeX2e) for the skt-series fonts.

`ot1skt.fd`
Font descriptor file for the skt-series fonts.

`skt.c`
Pre-processor source program in ANSI C.

`sktdoc.skt`
Source file of documentation and samples.

`introtoskt.skt`
Source file of introduction, quick start, and samples.

`sktdoc.ps`
Print file of documentation and samples.

`sktdefs.mf`
Common definitions of pens, macros, etc. for skt-series fonts.

`sktchars.mf`
Common character source file for skt-series fonts.

`sktligs.mf`
Ligature codes (in fact access codes for non-printing ASCII code characters) for skt-series fonts.

`skt8.mf`
Metafont source file for skt font at 8pt upright.

`skt9.mf`
Metafont source file for skt font at 9pt upright.

`skt10.mf`
Metafont source file for skt font at 10pt upright.

`sktb10.mf`
Metafont source file for skt font at 10pt upright bold.

`sktf10.mf`
Metafont source file for skt font at 10pt upright feint.

`skts10.mf`
Metafont source file for skt font at 10pt slanted.

`sktbs10.mf`
Metafont source file for skt font at 10pt bold slant.

`sktfs10.mf`
Metafont source file for skt font at 10pt feint slant.

`skt*.tfm`
Eight .tfm font files for above.

History

- Revision 2.2.4-b 2025-11-15 Sumukh Prasad `sumukhprasad [dot] email [at] icloud [dot] com`
- Revision 2.2.4 2022-09-24 Václav Haisman vhaisman@gmail.com
- Revision 2.2.3 2018-02-10 Václav Haisman vhaisman@gmail.com
- Revision 2.2.2 2017/02/22 Václav Haisman vhaisman@gmail.com
- Revision 2.2.1 2016/09/01 Václav Haisman vhaisman@gmail.com
- Revision 2.2 2002/01/02 Charles Wikner wikner@nac.ac.za
- Revision 2.0 1996/11/27 Charles Wikner wikner@nacdh4.nac.ac.za
- Revision 1.0 1996/02/13 Charles Wikner wikner@nacdh4.nac.ac.za