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

If `sktbugxx.txt` files exist, you may want to implement any changes or patches first.

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.txt`
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.

`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.

`sktbugxx.txt`
There may be a series of such files, where 'xx' is a two-digit number, listing reported bugs and (possibly) fixes or patches.

History

- Revision 1.0 1996/02/13 Charles Wikner wikner@nacdh4.nac.ac.za
- Revision 2.0 1996/11/27 Charles Wikner wikner@nacdh4.nac.ac.za
- Revision 2.2 2002/01/02 Charles Wikner wikner@nac.ac.za
- Revision 2.2.1 2016/09/01 Václav Haisman vhaisman@gmail.com

I, Václav Haisman, am only a maintainer pro tempore. If you are reading this and you have patches to submit and actual interest in and knowledge of Sanskrit and LaTeX, do not hesitate to ask for maintainership of this package. I will gladly pass the baton over to you.