

Ω/CHISE System

*A Typesetting Framework based on
the Character Information Service*

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What's Ω /CHISE System?

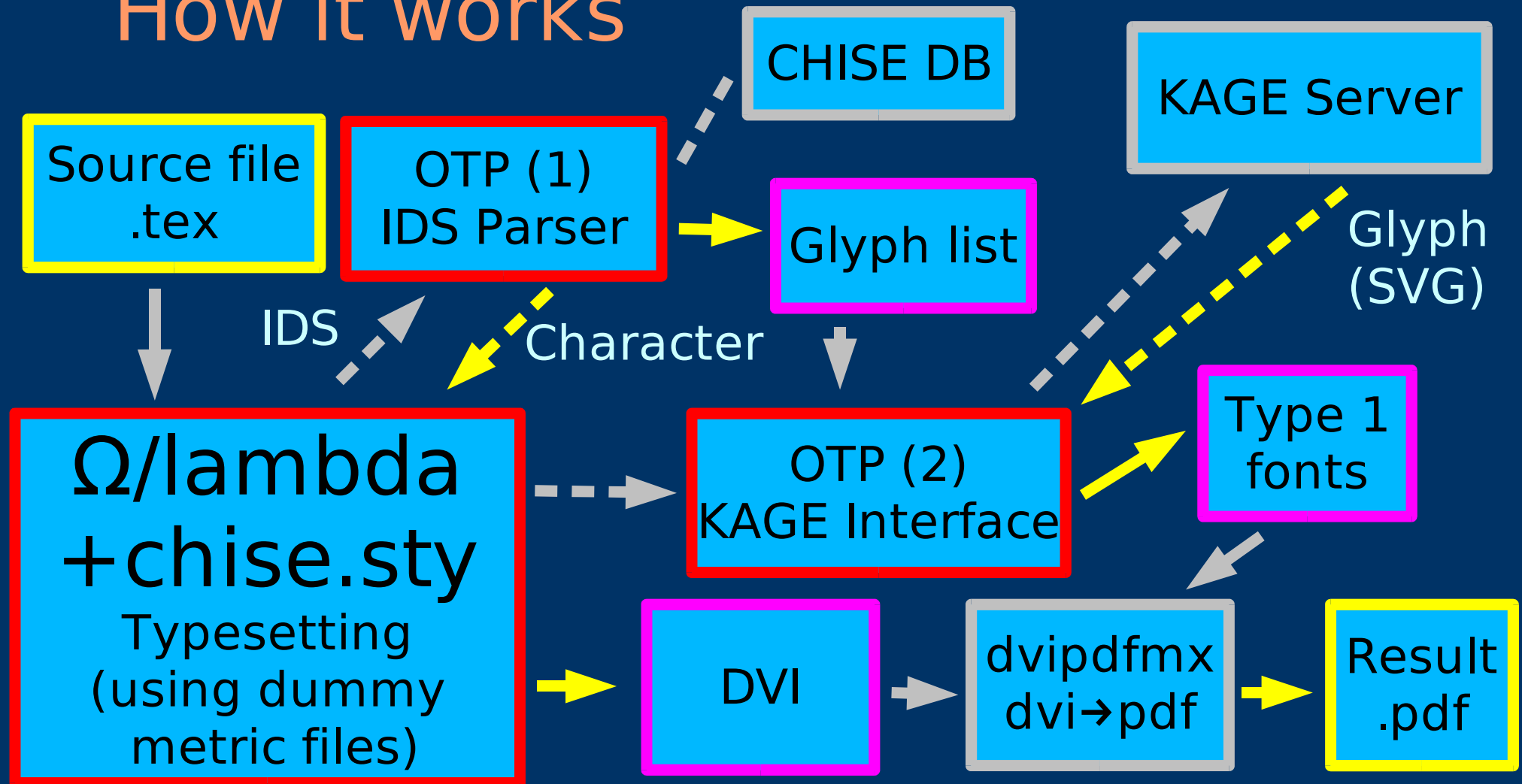
- An environment for typesetting documents with open-set characters
 - Uses Ω as its typesetting engine
 - Collaborates with CHISE database and KAGE server



Features

- Parses IDS (ideographic description sequence) and
 - replaces it with the corresponding character, if found in CHISE database
 - typesets the character using existing glyph, if found in the target font, or
 - sends query to KAGE server for on-the-fly glyph generation
 - sends IDS to KAGE server as query string for glyph generation
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How it works



Usage

Package options: file coding system,
global font environment, KAGE use

Script options: font priority, unification, protrude

```
\documentclass{article}
\usepackage[utf8mcs,gbfont,kage]{chise}
\begin{document}
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\begin{JISfont}
知 知 矢口 ...
\end{JISfont}
\end{document}
```

Usage – Package options

- **file coding system** (required): specify input file's coding system
 - `utf8mcs`, `utf8cns`, `utf8gb`, `utf8ks`
 - **global font environment**: specify default CJK font environment
 - `gbfont`, `cnsfont`, `jisfont`, `ksfont`
 - **KAGE use**: specify whether to use KAGE Server
 - `kage`
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Usage – Script options

- **font priority**: order of existing fonts to be used
 - ex. `$opt_order{ 'UniMulti' }=jGcgkHC;`
 - **unification**: whether to use unified characters
 - ex. `$opt_allow_unify=1;`
 - **protrude**: allow protrusion at the end of lines (ぶらさげ禁則)
 - ex. `$opt_protrude=1;`
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Macro commands and environments

- `\jisfont{}`, `\gbfont{}`, `\cnsfont{}`,
`\ksfont{}`, `\multifont{}`
 - `\begin{JISfont}... \end{JISfont}`, etc.
 - `\ER{}` (entity reference)
 - ex. `\ER{U-4e00}`, `\ER{U-2ff0}`,
`\ER{J90-3021}`, ...
 - IDC printing commands:
 - `\idcltr`, `\idcatb`, `\idcltmr`, ...
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DEMO



Problems

- Passing parameters to external OTP?
 - Where to put external OTPs?
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Availability

Ω /CHISE can be obtained from CVS at

<http://cvs.m17n.org/cgi-bin/viewcvs/omega/?cvsroot=chise>



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