

Bibliography Tools and ConTEXt/LuaTEX

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A bit of history

The ancestor \Leftarrow Tib (Refer).

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Preprocessor: [.some words.]

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```
\Lcitemark name \Citebreak year \Rcitemark
```

A bit of history

The ancestor \Leftarrow Tib (Refer).

Preprocessor: [.some words.]

`\Lcitemark name \Citebreak year \Rcitemark`

bibliography styles' *components*.

BibT_EX

Cross-references.

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Language for *programming* bibliography styles, but they are *monolithic*.

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Robust, suitable for works in English.

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Cross-references.

Language for *programming* bibliography styles, but they are *monolithic*.

Robust, suitable for works in English.

Some problems solved by means of *workarounds*:

AUTHOR =

```
{Maria {\MakeUpperCase{de La}} Cruz}
```

BibT_EX again

Number-only system.

BibT_EX again

Number-only system.

Author-date \Leftarrow natbib

BibT_EX again

Number-only system.

Author-date \Leftarrow natbib

(+ Author-number).

BibT_EX again

Number-only system.

Author-date \Leftarrow natbib

(+ Author-number).

Short-title \Leftarrow jurabib.

BibT_EX again

Number-only system.

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Structure passed to L^AT_EX.

The biblatex package

Formatting references is *deferred* to L^AT_EX.

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BIBT_EX only searches .bib files for entries and sorts references if need be.

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Formatting references is *deferred* to L^AT_EX.

BIB_TE_X only searches .bib files for entries and sorts references if need be.

Bibliography styles assembled by means of *options*.

The biblatex package (con'd)

Notion of *typed* fields, e.g., AUTHOR vs TITLE.

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DATE = {2011-09-19/2011-09-24}

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Notion of *typed* fields, e.g., AUTHOR vs TITLE.

DATE = {2011-09-19/2011-09-24}

Many additional fields.

Present problems

Encodings

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Encodings (UTF8 \iff LuaT_EX).

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Inertia \iff a *huge* number of .bib files exists.

+ L_AT_EX commands for ConT_EXt users.

New information

Enriching .bib files or putting it elsewhere?

New information

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Philippe

New information

Enriching .bib files or putting it elsewhere?

Philippe → Ph.
Christian

New information

Enriching .bib files or putting it elsewhere?

Philippe → Ph.
Christian → Ch. [fr]

New information

Enriching .bib files or putting it elsewhere?

Philippe → Ph.
Christian → Ch. [fr]
→ Chr. [de]

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Enriching .bib files or putting it elsewhere?

Philippe → Ph.

Christian → Ch. [fr]

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Henry Rider Haggard → H. Rider Haggard

Bib_{T_E}X's successors

Bibulus needs BIB_{T_E}X to convert entries to an XML-like format \implies Perl.

Bib_{T_EX}'s successors

Bibulus needs BIB_{T_EX} to convert entries to an XML-like format \implies Perl.

Cross_{T_EX} extends BIB_{T_EX}'s cross-references mechanism.

The biber program

biber generates .bbl files for biblatex

The biber program

biber generates .bbl files for biblatex only!

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biber generates .bbl files for biblatex only!

Type checking \iff powerful but only if need be.

The biber program

biber generates .bbl files for biblatex only!

Type checking \iff powerful but only if need be.

Additional fields ignored silently.

MIBibT_EX

Enriched syntax for multilingual purposes.

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User-friendly syntax for person names.

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Connection to XML.

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Enriched syntax for multilingual purposes.

User-friendly syntax for person names.

Connection to XML.

More powerful sort procedures if you use Scheme functions.

MIBibT_EX's availability

Available for downloading!

`http:
//lifc.univ-fcomte.fr/home/~jmhufflen/
texts/superreport/smlbibtex-1.3.tar.gz`

MI~~B~~ibT~~E~~X's availability

Available for downloading!

http:

//lifc.univ-fcomte.fr/home/~jmhufflen/
texts/superreport/smlbibtex-1.3.tar.gz

Written in Scheme \Leftarrow bigloo.

Installing it

```
./configure --prefix=...  
make NOWARNING=yes  
make install
```

In a near future

Making the license conformant.

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Documentation about installation in English.

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Forum for users: `.../texts/mlbibtex/`

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Point of view

Not objective, but

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MIBIB_TE_X successfully used to process very big .bib files

Point of view

Not objective, but

MIBIB \TeX successfully used to process very big .bib files

after fixing many typing mistakes.

MIBibT_EX and ConT_EXt/LuaT_EX

Switching @PREAMBLE/@CONTEXTTPREAMBLE.

Using XML format.

MIBIBT_EX can send the result to Lua functions.

New development?

More encodings.

New development?

More encodings.

Others?

New development?

More encodings.

Others? OK, but from February to September.

Synthesis

BIB_TE_X's successors have put many incompatible extensions into action.

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BIB_TE_X's successors have put many incompatible extensions into action.

TUG 2011 \implies calling from some convergence.

Ending

12 years ago \iff BIB_T_EX only.

Ending

12 years ago \Leftarrow BIB_T_EX only.

Now \Leftarrow many successors,

Ending

12 years ago \iff BIB_TE_X only.

Now \iff many successors, but many ways to organise .bib files.

Written documents

General synthesis \Leftarrow TUG 2011.

Written documents

General synthesis \Leftarrow TUG 2011.

Complements about ConT_EXt/LuaT_EX \Leftarrow will be submitted to MAPS.