

Demonstration of the `mlbibcontext` program

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Bibliography processing for ConT_EXt

`bib` module in ConT_EXt Mk II, integrated into ConT_EXt Mk IV.■

Looking at `.bbl` files: comparable to files suitable for `biblatex` \implies *structures*.■

Formatting ‘References’ section is deferred to ConT_EXt commands.■

End-users get used to put L^AT_EX commands inside fields’ values.

Two methods

Building an XML-like version of a .bib file \implies
ConT_EXt Mk IV.■

(Sort operations should be performed by means of Lua
functions.)■

Using a program comparable with biber or mlbiblatex.

The mlbibcontext program

Now like mlbiblatex:

```
mlbibcontext job-name sort-keys language-code
```

```
sort-keys (n | y | m | t)*
```

```
language-code (DE | EN | FR | PO)
```

ConT_EXt vs L^AT_EX

@CONTEXTPREAMBLE directive.■

L^AT_EX commands handled:

`\emph`

`\textnormal \textrm`

`\textbf \textit \textsl \textsl \textsc \texttt`

Doing better

ConT_EXt is a kind of black box where the whole process is performed automatically.■

Users should be able to choose their bibliography processor: BIBT_EX or another...mlbibcontext?■

in which case accurate information should be passed to this program: key for sorting, base language.■

How?■by the command line■or a file written in Scheme■or an XML file.

A rough interface for a prototype

If you do not make precise your order, your bibliography will be left unsorted.■

`nymt` or other combinations.■

Only ascending orders are reachable.■ Default values for optional information.

Extending the interface

Proposal:

$y!nm! [0] t$

$ym! [0]$

Remember that

all the sorts performed by MIBIBT_EX are *stable*

MIBIBT_EX often uses a LASTSORTKEY field:■

LASTSORTKEY = 100 LASTSORTKEY = {-273}

■ LASTSORTKEY = {-Inf} LASTSORTKEY = {+Inf}

ymn_±

Going further

Defining a command like `\DeclareSortingScheme` for biblatex.■

(Practically, it would be useful if other fields are used to sort.)■

Save entries as a .scm or XML file.■

Get rid of .aux files.

Extending bib module

It handles co-authors but not *collaborators*.

Using language information

Planned.

Conclusion

From a technical point of view, developing the `mlbibcontext` program was a worthwhile exercise.■

I did not change MLBIBT_EX 's kernel!■

Rich library to build ConT_EXt expressions.■

Not yet optimised, forthcoming.

Schedule

October Definitive version of some papers, first optimised version of `mlbibcontext`, installation manual.■

November Paper for the ConT_EXt group.

December Many lectures.■

January Enlarged interface. . .