

Managing Name Conflicts and Aliasing in MIBibT_EX

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One year ago

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BachoT_EX 2013

Waiting for Scheme's new standard, because it will be fully Unicode-compliant.■

New directives, at the beginning of a .bib file:■

```
%encoding = latin-2  
%prefix   = bachotex  
...
```

Scheme

R7RS:■

- small language: already finalised (autumn 2013),■
- large language: coming soon.

Citation key conflicts

Key repeated \implies BIB_TE_X (or biber) crashes.■

Only solution \implies rename some citation keys.■

Many .bib files are downloaded from the Web \iff rules for naming keys are not systematic.

Example

new-0.bib	-	king2000 king2014
new-1.bib	stephen-king	king1999b king2000

Tools

MIBIB T_EX 's source files.■

Package prefixcite.

Rules

A key is not ambiguous \implies no problem.■

Ambiguous key \implies put the prefix, possibly the empty string, but explicitly.■

```
\cite{king2014} \cite{king1999b}
```

```
■ \cite{king2000} Wrong!
```

```
■ \cite{{}king2000} \cite{{stephen-king}king2000}
```


Prefix surrounded by braces

Before each reference:

```
\cite{{}king2000,king2014,{stephen-king}king2000}
```

Globally:

```
\cite{{stephen-king}:_king1999b,king2000}
```

Default namespace

Not set by default.■

```
\setdefaultprefixcite{}
```

```
\cite{king2000}  $\implies$  ""'s.■
```

```
\setdefaultprefixcite{stephen-king}
```

```
\cite{king2000}  $\implies$  "stephen-king"'s.
```

Default namespace (con'd)

Anywhere you want. ■ But pay attention: it works like an assignment statement in a 'classical' programming language, even if such commands are put into different files.

Other operations: aliasing

Implemented in the prefixcite package.■

```
\setcitealias{k}{k_0}
```

k is the same resource than k_0 ; error if k was already defined.■

(An equivalent directive was planned for BIBT_EX 1.0.)

Other operations: merge

`\mergebibitems{k}{k_0}`

Fields of k_0 = fields defined for k_0 \cup
fields of k not redefined for k_0

Example: k is a Web page, k_0 is the same page, but at a more recent date.■

(Analogous operation for BIBT_EX 1.0.)

Experimentation

Name conflicts \Leftarrow not really frequent, but not really rare.■

Aliasing \implies if several texts are merged.■

Merge \implies updating.■

Experimentation needed.

Avoiding conflicts

```
\cite[...]{...}
```

New syntax for prefixes.■

Standard behaviour is there is no conflict.

Syntactic questions

I prefer to wait for the real usability of alias and merge operations before extending .bib files' syntax.■

⇐ Definitions in the prefixcite package.

Conclusion

Before summer \implies CTAN.■

My personal repository:

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