

NAME

`bibdoiadd.pl` – add DOI numbers to papers in a given bib file

SYNOPSIS

`bibdoiadd [-c config_file] [-C 1|0] [-d] [-e 1|0] [-f] [-o output] bib_file`

OPTIONS

-c *config_file*

Configuration file. If this file is absent, some defaults are used. See below for its format.

-C 1|0

Whether to canonicalize names in the output (1) or not (0). By default, 1.

B[-d]

Debug mode on.

-e If 1 (default), add empty doi if a doi cannot be found. This prevents repeated searches for the same entries if you add new entries to the file. Calling **-e 0** suppresses this behavior.

-f Force checking doi number even if one is present

-o *output*

Output file. If this option is not used, the name for the output file is formed by adding `_doi` to the input file

DESCRIPTION

The script reads a BibTeX file. It checks whether the entries have DOIs. If not, it tries to contact <http://www.crossref.org> to get the corresponding DOI. The result is a BibTeX file with the fields `doi=...` added.

The name of the output file is either set by the **-o** option or is derived by adding the suffix `_doi` to the output file.

Every BibTeX record in the input is parsed, using `BibTeX::Parser`, but only the ones that do not have the `doi` field (or `mrnumber` or `zblnumber` for the sibling scripts) are processed. These entries without the requested field are written back, as described in `BibTeX::Parser::Entry`.

The bib records that are not processed (because they already have the requested field) are written back as-is, without any reformatting.

There are (were?) two options for making queries with Crossref: free account and paid membership. In the first case you still must register with Crossref and are limited to a small number of queries, see the agreement at http://www.crossref.org/01company/free_services_agreement.html. In the second case you have a username and password, and can use them for automatic queries. I am not sure whether the use of this script is allowed for the free account holders. At any rate, if you want to add DOIs to a large number of entries, you should register as a paid member.

CONFIGURATION FILE

The configuration file relates to the Crossref queries, and is mostly self-explanatory: it has comments (starting with `#`) and assignments in the form

```
$field = value ;
```

The important parameters are `$mode` ('free' or 'paid'), `$email` (for free users) and `$username` & `$password` for paid members.

EXAMPLES

```
bibdoiadd -c bibdoiadd.cfg -o - citations.bib > result.bib  
bibdoiadd -c bibdoiadd.cfg -o result.bib citations.bib
```

AUTHOR

Boris Veytsman

COPYRIGHT AND LICENSE

Copyright (C) 2014–2026 Boris Veytsman

This is free software. You may redistribute copies of it under the terms of the GNU General Public License <<http://www.gnu.org/licenses/gpl.html>>. There is NO WARRANTY, to the extent permitted by law.