

**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](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
```

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