NAME

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

SYNOPSIS

bibdoiadd [**−c** *config_file*] [**−C** 1|0] [**−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.

−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 assginments 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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