Crossrefware documentation

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1 Introduction

Crossrefware is a collection of Perl scripts used to help to submit the documents to `http://www.crossref.org`.

To use scrips you need a number of standard Perl libraries:

1. `Text::BibTeX` by Greg Ward,

2. `TeX::Encode` by Timothy D Brody

They are included in most standard Perl distributions, or can be installed from `http://www.cpan.org`.

I am grateful to Josko Plazonic from Princeton Math Dept whose (unpublished) Python script was an inspiration for this suite.

2 ltx2crossrefxml.pl

A tool for creation of XML files for submitting to crossref.

SYNOPSIS

ltx2crossrefxml [**-c** *config_file*] [**-o** *output*] *latex_file latex_file ...*

OPTIONS

-c *config_file*

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

-o *output*

> Output file. If this option is not used, the XML is output to stdout.

DESCRIPTION

The script takes a number of latex files and produces an XML file ready for submission to Crossref. Each file must be previously processed by LaTeX with the newest `resphilosophica` package: the package creates the file `.rti` wtih the information about the bibliography.

The processing of reference list is at present rather limited: only so called unstructured references are produced.

CONFIGURATION FILE FORMAT

The configuration file is mostly self-explanatory: it has comments (starting with #) and assginments in the form

```
$field = value ;
```

EXAMPLES

```
ltx2crossrefxml.pl ../paper1/paper1.tex ../paper2/paper2.tex -o result.xml

ltx2crossrefxml.pl -c myconfig.cnf paper.tex -o paper.xml
```

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3 bibdoiadd.pl

Add DOI numbers to papers in a given bib file

SYNOPSIS

bibdoiadd [**-c** *config_file*] [**-o** *output*] *bib_file*

OPTIONS

-c *config_file*

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

-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 now, 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.

There are 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. Anyway if you try to add DOI to a large number of entries, you should register as a paid member.

CONFIGURATION FILE

The configuration file 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 citations.bib > result.bib
bibdoiadd -c bibdoiadd.cfg citations.bib -o result.bib
```

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4 bibzbladd.pl

Add Zbl numbers to papers in a given bib file

SYNOPSIS

bibzbladd [**-o** *output*] *bib_file*

OPTIONS

-o *output*

> Output file. If this option is not used, the name for the output file is formed by adding ⎵zbl to the input file

DESCRIPTION

The script reads a BibTeX file. It checks whether the entries have Zbls. If now, tries to contact internet to get the numbers. The result is a BibTeX file with the fields zblnumber=... added.

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

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