

Package ‘rebib’

July 23, 2025

Type Package

Title Convert and Aggregate Bibliographies

Version 0.5.0

Description Authors working with 'LaTeX' articles use the built-in bibliography options and 'BibTeX' files. While this might work with 'LaTeX', it does not function well with Web articles. As a way out, 'rebib' offers tools to convert and combine bibliographies from both sources.

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URL <https://github.com/Abhi-1U/rebib>

BugReports <https://github.com/Abhi-1U/rebib/issues>

Encoding UTF-8

Imports tools, stringr, logger, xfun, cli, whisker

Suggests knitr, rmarkdown, spelling, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

RoxygenNote 7.3.2

Language en-US

NeedsCompilation no

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Date/Publication 2024-10-15 09:00:02 UTC

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aggregate_bibliography
<i>aggregate bibliography</i>

Description

aggregate bibliograhay to fill in the missing references

Usage

aggregate_bibliography(article_dir, log_rebib = FALSE)

Arguments

- article_dir path to the directory which contains tex article
- log_rebib option to enable log files for rebib

Value

aggregated bib file

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <- system.file("aggr_example", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"aggr_example",sep="/")
rebib::aggregate_bibliography(your_article_path)
readLines(paste(your_article_path,"example.bib",sep="/"))
unlink(your_article_folder,recursive = TRUE)
```

bibliography_exists	<i>bibliography exists</i>
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Description

check if embedded bibliography exists in the latex file or not

Usage

```
bibliography_exists(article_dir)
```

Arguments

article_dir	path to the directory which contains tex article
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Value

TRUE/FALSE

Examples

```
wd <- system.file("article", package = "rebib")  
# Only reads the article file  
rebib::bibliography_exists(wd)
```

biblio_converter	<i>bibliography converter</i>
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Description

a quick converter for bbl/tex to bib

Usage

```
biblio_converter(file_path = "", log_rebib = FALSE)
```

Arguments

file_path	provide a file_path with file name to point tex/bbl file
log_rebib	option to enable log files for rebib

Value

bib file

Examples

```
test_file <- system.file("standalone/test.bbl", package = "rebib")
dir.create(your_article_folder <- file.path(tempdir(), "testdir"))
file.copy(test_file, your_article_folder)
your_article_path <- xfun::normalize_path(paste(your_article_folder, "test.bbl", sep="/"))
rebib::biblio_converter(file_path = your_article_path)
head(readLines(xfun::with_ext(your_article_path, "bib")))
unlink(your_article_folder, recursive = TRUE)
```

citation_reader	<i>citation reader</i>
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Description

counts/reads Cite inline elements embedded within the latex file

Usage

```
citation_reader(file_path)
```

Arguments

file_path path to the LaTeX file

Value

count of the inline element

Examples

```
file_path <- system.file("article/example.tex",
  package = "rebib")
# Only Reads the example.tex for possible citations
cite <- rebib::citation_reader(file_path)
cite
```

get_reference_name	<i>get reference name</i>
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Description

get reference name

Usage

```
get_reference_name(bib_reference)
```

Arguments

`bib_reference` first line containing the cite reference

Value

reference name (str)

Examples

```
ref_first_line <- "@book{ihaka:1996,"  
ref_name <- rebib::get_reference_name(ref_first_line)  
ref_name
```

<code>get_reference_type</code>	<i>get reference type</i>
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Description

get reference type

Usage

```
get_reference_type(bib_reference)
```

Arguments

`bib_reference` first line containing the cite reference

Value

reference type (str)

Examples

```
ref_first_line <- "@book{ihaka:1996,"  
ref_type <- rebib::get_reference_type(ref_first_line)  
ref_type
```

handle_bibliography	<i>function to solve bibliography problems</i>
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Description

if bibliography exists in bibtex format then (filename.bib) bibtex file will be preferred. else this function will generate a minimal bibliography

Usage

```
handle_bibliography(article_dir, override_mode = FALSE, log_rebib = FALSE)
```

Arguments

article_dir	path to the directory which contains tex article
override_mode	force use parser and ignore BibTeX bibliography.
log_rebib	option to enable log files for rebib

Value

bibliography links the bibtex file with latex source code or generates a minimal bibtex file from embedded bibliography and links that file to the latex file

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <- system.file("article", package = "rebib")
x <- file.copy(from = example_files, to=your_article_folder, recursive = TRUE)
your_article_path <- paste(your_article_folder, "article", sep="/")
rebib::handle_bibliography(your_article_path)
unlink(your_article_folder, recursive = TRUE)
```

log_setup	<i>rebib log setup</i>
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Description

a wrapper function for logger package to set up log file for logging

Usage

```
log_setup(article_dir, file_name, idx)
```

Arguments

article_dir	path to the directory which contains tex article
file_name	name of the log file
idx	index of log level

Value

null

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <- system.file("article", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"article",sep="/")
rebib::log_setup(your_article_path, "log-file.log", 2)
unlink(your_article_folder,recursive = TRUE)
```

rebib_log	<i>log messages for various categories</i>
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Description

a wrapper function for logging different types of log entries

Usage

```
rebib_log(message, category, idx)
```

Arguments

message	message to be sent
category	category of the log message
idx	index of log level

Value

null

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <- system.file("article", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"article",sep="/")
rebib::log_setup(your_article_path, "log-file.log", 2)
rebib::rebib_log("Hello", "INFO", 2)
cat(readLines(paste(your_article_path,"/log-file.log",sep="")),sep="\n")
unlink(your_article_folder,recursive = TRUE)
```

`split_bibtex_references`*split BibTex references*

Description

split BibTex references

Usage

```
split_bibtex_references(bib_path)
```

Arguments

`bib_path` path to the bibtex file to be read

Value

list of references separated as types and names based on indices

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <- system.file("article", package = "rebib")
x <- file.copy(from = example_files, to=your_article_folder, recursive = TRUE)
your_article_path <- paste(your_article_folder, "article", sep="/")
bib_path <- paste0(your_article_path, "/example.bib")
rebib::handle_bibliography(your_article_path)
references <- rebib::split_bibtex_references(bib_path)
references
unlink(your_article_folder, recursive = TRUE)
```


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