

Package: bibtex (via r-universe)

November 27, 2024

Version 0.5.1

Title Bibtex Parser

Description Utility to parse a bibtex file.

BugReports <https://github.com/ropensci/bibtex/issues>

URL <https://github.com/ropensci/bibtex>,
<https://docs.ropensci.org/bibtex/>

License GPL (>= 2)

Depends R (>= 3.0.2)

Imports backports (>= 1.4.0), utils

Suggests testthat (>= 3.0.0)

LazyLoad yes

Encoding UTF-8

RoxygenNote 7.2.3

Config/testthat/edition 3

Repository <https://ropensci.r-universe.dev>

RemoteUrl <https://github.com/ropensci/bibtex>

RemoteRef main

RemoteSha 12f8befe33e67c7069cab6735ddb4618e5ec568a

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| | |
|-------------|--|
| do_read_bib | <i>convenience wrapper around .External call</i> |
|-------------|--|

Description

This is a convenience function for packages that do need to call the internal functionality of `read.bib` but does different processing. This is a simple wrapper around the `.External` code used by `read.bib`

Usage

```
do_read_bib(file, encoding = "unknown", srcfile)
```

Arguments

| | |
|----------|------------|
| file | file name |
| encoding | encoding |
| srcfile | Deprecated |

Details

The parser is greatly inspired from the ‘bibparse’ library.

See Also

[bibentry](#)

| | |
|----------|----------------------|
| read.bib | <i>bibtex parser</i> |
|----------|----------------------|

Description

Parser for bibliography databases written in the bib format.

Usage

```
read.bib(  
  file = findBibFile(package),  
  package = "bibtex",  
  encoding = "unknown",  
  header,  
  footer  
)
```

Arguments

| | |
|----------|---|
| file | bib file to parse. By default, the file 'REFERENCES.bib' in the root directory of the package given by the package argument is used. |
| package | package from which we want to read the bibliography. Only used if file is unspecified. Core R packages (base, datasets, graphics, grDevices, methods, stats, stats4, tools and utils) are treated specially: this package contains bibtex entries for these packages. |
| encoding | encoding |
| header | DEPRECATED. |
| footer | DEPRECATED |

Value

An object of class "bibentry", similar to those obtained by the [bibentry](#) function.

References

Nelson H. F. Beebe. bibparse 1.04. 1999. <http://www.math.utah.edu/~beebe/>

Examples

```
## this package has a REFERENCES.bib file
bib <- read.bib(package = "bibtex")

## bibtex collects bibtex entries for R base packages
base.bib <- read.bib(package = "base")
```

write.bib

Generate a Bibtex File from Package Citations

Description

Generates a Bibtex file from a list of packages or all the installed packages. It is useful for adding relevant citations in Sweave documents.

Usage

```
write.bib(entry, file = "Rpackages.bib", append = FALSE, verbose = TRUE)
```

Arguments

| | |
|---------|---|
| entry | a bibentry object or a character vector of package names. If NULL, then the list of all installed packages is used. |
| file | output Bibtex file. |
| append | logical. If TRUE content is appended to the file. |
| verbose | a logical to toggle verbosity. |

Value

the list of Bibtex objects – invisibly.

Author(s)

Renaud Gaujoux, based on the function Rpackages.bib from Achim Zeileis (see *References*).

References

[R] *Creating bibtex file of all installed packages?* Achim Zeileis. R-help mailing list.

Examples

```
write.bib(c("bibtex", "utils", "tools"), file = "references")
bibs <- read.bib("references.bib")
write.bib(bibs, "references2.bib")
md5 <- tools::md5sum(c("references.bib", "references2.bib"))
md5[1] == md5[2]
```

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