Package 'bibtex'

January 26, 2023

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

NeedsCompilation no

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R **topics documented:**

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do_read_bib   *convenience wrapper around .External call*

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

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read.bib   *bibtex parser*

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")
```

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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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