

Package ‘go2bigq’

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Type Package

Title Convert Large Numbers to Bigq Format

Version 2.0.1

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Description This function converts mfpr, numeric, or character strings representing numbers to bigq format without loss of precision.

License LGPL-3

Imports Rmpfr, gmp, methods

NeedsCompilation no

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go2bigq-package	<i>Convert Large Numbers to Bigq Format</i>
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Description

This function converts mfpr, numeric, or character strings representing numbers to bigq format without loss of precision.

Details

Package: go2bigq
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Author(s)

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go2bigq

Function to convert various numerics to bigq with full precision.

Description

Convert a numeric, a character string representing a numeric, or various mpfr classes to a bigq fraction. The output has the same precision as the input.

Usage

```
go2bigq(x, ...)
```

Arguments

<code>x</code>	A value of class numeric, mpfr, mpfr1, or character. A list containing any one of these classes is allowed. See Details for various limitations
<code>...</code>	Parameters which could be used to modify the default behavior of formatMpfr. See Details for more information.

Details

The input `x`, if a list, must contain only one of the allowed classes. Character strings which represent numbers must be of the form `[+,-]X[.]Y[e,E[+,-]Z]`, where `X`, `Y`, and `Z` are strictly limited to the numerals `[0:9]`. None of the other character options listed are required (except of course `"[+,-]Z"` is disallowed unless `"[e,E]"` exists.) The function `formatMpfr` accepts several arguments to adjust the output character string (number of digits precision, e.g.). `go2bigq` passes the `...` objects to `formatMpfr`.

Value

A bigq object containing a vector of bigq fractions .

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See Also

[.bigq2mpfr](#), [.bigz2mpfr](#), [as.bigq](#)

Examples

```
library(Rmpfr)
(go2bigq(0.17 + 1:5))
(go2bigq(as.character(0.17 + 1:5)))
(go2bigq(mpfr(0.17 + 1:5, 100)))
as.numeric(go2bigq('017.3200e-10')[1] - go2bigq(0017.3200e-10)[1])
```

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