

Package ‘hashFunction’

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Type Package

Title A collection of non-cryptographic hash functions

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Description This package provides common non-cryptographic hash functions for R. For example, SpookyHash, Murmur3Hash, Google CityHash.

Copyright Under the allowance of MIT license, smhash (<https://code.google.com/p/smhasher/>) codes have been adopted.

License GPL

Suggests R.utils, bitops

Collate 'hashFunction.R'

NeedsCompilation yes

Repository CRAN

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R topics documented:

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cityhash.64	<i>Calculate hash value of input x using CityHash https://code.google.com/p/cityhash/</i>
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Description

Calculate hash value of input x using CityHash <https://code.google.com/p/cityhash/>

Usage

cityhash.64(x)

Arguments

x a number or a character

Value

an integer hash value

murmur3.32	<i>Calculate hash value of input x using Murmur3 https://code.google.com/p/cityhash/</i>
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Description

Calculate hash value of input x using Murmur3 <https://code.google.com/p/cityhash/>

Usage

murmur3.32(x)

Arguments

x a number or a character

Value

an integer hash value

`spooky . 32`

*Calculate hash value of input x using SpookyHash
http://en.wikipedia.org/wiki/Jenkins_hash_function*

Description

Calculate hash value of input x using SpookyHash http://en.wikipedia.org/wiki/Jenkins_hash_function

Usage

```
spooky . 32(x)
```

Arguments

x a number or a character

Value

an integer hash value

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