

Package ‘utc’

May 8, 2026

Type Package

Title Coordinated Universal Time Transformations

Version 0.1.5

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Description Three functions are provided: first function changes time from local to UTC, other changes from UTC to local and third returns difference between local and UTC. %h+% operator is also provided it adds hours to a time.

License GPL-2

Encoding UTF-8

LazyData FALSE

Suggests testthat

RoxygenNote 6.0.1

NeedsCompilation no

Repository CRAN

Date/Publication 2019-01-04 10:50:03 UTC

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fromUTC	<i>fromUTC</i>
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Description

Returns local time from UTC time

Usage

```
fromUTC(utctime, timeformat = "%Y-%m-%d %H:%M:%S")
```

Arguments

utctime	POSIXct UTC time
timeformat	string format of local time, by default it will be "%Y-%m-%d %H:%M:%S"

Value

localtime POSIXct local time

Examples

```
fromUTC( as.POSIXct("1991-06-29 05:27:25", tz = "UTC") )
```

hoursUTC	<i>hoursUTC</i>
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Description

This function returns time difference between UTC and Local

Usage

```
hoursUTC(to_test_time = Sys.time(), timeformat = "%Y-%m-%d %H:%M:%S")
```

Arguments

to_test_time	only for testing UTC Sys.time()
timeformat	string format of local time, by default it will be "%Y-%m-%d %H:%M:%S"

Value

number of hours

toUTC	<i>toUTC</i>
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Description

Returns UTC time from local time

Usage

```
toUTC(localtime, timeformat = "%Y-%m-%d %H:%M:%S")
```

Arguments

localtime	POSIXct local time
timeformat	string format of local time, by default it will be "%Y-%m-%d %H:%M:%S"

Value

utctime POSIXct UTC time

%h+%	<i>add hours</i>
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Description

This function adds h hours to a POSIXct

Usage

```
h %h+% datetime
```

Arguments

h	number of hours
datetime	POSIXct

Value

POSIXct and h added

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