

# Package: naptime (via r-universe)

September 5, 2024

**Type** Package

**Title** A Flexible and Robust Sys.sleep() Replacement

**Version** 1.3.0

**Date** 2017-02-22

**Description** Provides a near drop-in replacement for base::Sys.sleep() that allows more types of input to produce delays in the execution of code and can silence/prevent typical sources of error.

**License** GPL-2

**Imports** methods, lubridate

**Suggests** testthat, covr, knitr, rmarkdown

**RoxygenNote** 6.0.1

**VignetteBuilder** knitr

**URL** <https://github.com/russellpierce/naptime>

**BugReports** <https://github.com/russellpierce/naptime/issues>

**Repository** <https://russellpierce.r-universe.dev>

**RemoteUrl** <https://github.com/russellpierce/naptime>

**RemoteRef** HEAD

**RemoteSha** f8fb02a31f217e0bcdda4ead733eb3984fae4bc4

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naptime	<i>Safe sleep function</i>
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## Description

Acceptable inputs:

- numeric: time in seconds to nap
- POSIXct: time at which the nap should stop (timezone is respected)
- character: Date or date time at which nap should stop formatted as yyyy-mm-dd hh:mm:ss, time zone is assumed to be Sys.timezone() and hh:mm:ss is optional as three formats may be missing, cf. lubridate::ymd\_hms().
- Period: time from now at which the nap should stop
- difftime: difference in time to nap
- logical: If TRUE, nap for default duration, otherwise don't nap.
- NULL: don't nap
- generic: error or nap for default duration depending on the option naptime.permissive

## Usage

```
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature 'numeric'
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature 'Period'
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature 'POSIXct'
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature 'difftime'
naptime(time,
  permissive = getOption("naptime.permissive", permissive_default))

## S4 method for signature 'logical'
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature '`NULL`'
naptime(time, permissive = getOption("naptime.permissive",
```

```
    permissive_default))  
  
## S4 method for signature 'character'  
naptime(time,  
        permissive = getOption("naptime.permissive", permissive_default))
```

### Arguments

time	Time to sleep, polymorphic type inputs, leaning towards units as 'seconds'
permissive	An optional argument to override the naptime.permissive option for this call of the naptime function

### Details

The default duration is set with a numeric for the option naptime.default\_delay in seconds (default: 0.1) Whether a generic input is accepted is determined by the option naptime.permissive (default: FALSE)

### Value

NULL; A side effect of a pause in program execution

### Examples

```
## Not run:  
naptime(1)  
naptime(difftime("2016-01-01 00:00:01", "2016-01-01 00:00:00"))  
  
## End(Not run)
```

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