

# Package ‘naptime’

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**Type** Package

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

**Version** 1.3.1

**Date** 2025-04-07

**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

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

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

**RoxygenNote** 7.3.2

**Encoding** UTF-8

**NeedsCompilation** no

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**Repository** CRAN

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## Contents

naptime .....	2
<b>Index</b>	<b>4</b>

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 naptime

*Safe sleep function*


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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**

<code>time</code>	Time to sleep, polymorphic type inputs, leaning towards units as 'seconds'
<code>permissive</code>	An optional argument to override the <code>naptime.permissive</code> option for this call of the <code>naptime</code> 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)
```

# Index

[naptime](#), [2](#)  
[naptime,character-method \(naptime\)](#), [2](#)  
[naptime,difftime-method \(naptime\)](#), [2](#)  
[naptime,logical-method \(naptime\)](#), [2](#)  
[naptime,NULL-method \(naptime\)](#), [2](#)  
[naptime,numeric-method \(naptime\)](#), [2](#)  
[naptime,Period-method \(naptime\)](#), [2](#)  
[naptime,POSIXct-method \(naptime\)](#), [2](#)