

# Package ‘chunkhooks’

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**Title** Chunk Hooks for 'R Markdown'

**Version** 0.0.1

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**Description** Set chunk hooks for 'R Markdown' documents <<https://rmarkdown.rstudio.com/>>, and improve user experience.  
For example, change units of figure sizes, benchmark chunks, and number lines on code blocks.

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**URL** <https://chunkhooks.atusy.net>, <https://github.com/atusy/chunkhooks>

**Encoding** UTF-8

**Language** en-US

**LazyData** true

**RoxygenNote** 7.1.1

**Imports** knitr, measurements, prettyunits

**Suggests** spelling, testthat, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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benchmark	<i>Benchmark chunks</i>
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### Description

hook\_benchmark sets a hook to benchmark chunks with the benchmark=TRUE option. The name of the trigger chunk option can be changed via the chunk\_option parameter. The result is printed right after chunk outputs. See examples for the default printing format by format\_benchmark.

### Usage

```
hook_benchmark(
  trigger = "benchmark",
  default = NULL,
  format = format_benchmark,
  .set = TRUE
)

format_benchmark(result, options)

benchmarks
```

### Arguments

trigger	A name of chunk option that triggers benchmark (default: "benchmark"). In order to trigger benchmark, specify TRUE as a value of this option.
default	A default value for the chunk option that triggers the hook (default: NULL).
format	A function to format a benchmark result (default: format_benchmark). It must accept two arguments, where the first is the benchmark result and the second is the list of current chunk options. NULL suppresses printing.
.set	TRUE or FALSE to set the hook.
result	A result of benchmark
options	A list of current chunk options

### Format

An object of class environment of length 0.

### Details

benchmarks records the results of benchmarks from chunks as a list named by chunk labels. If one requires complex formatting of benchmark results, then suppress automatic formatting by hook\_benchmark(format = NULL). Then, retrieve benchmark results from benchmarks[["chunk-label"]]. Furthermore, format can happen conditionally by utilizing current chunk options via the second argument of the formatting function.

**Value**

invisible hook function

**Examples**

```
# Set a hook that triggers benchmarks if the `time` chunk option is not `NULL`.
hook_benchmark("time")

# Example of the default output format
# Input is sec. Output is prettified.
format_benchmark(1234, options = list(label = "example-chunk"))
```

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hook_figure_unit	<i>Change the unit of figure size</i>
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**Description**

By default, figure size of R Markdown is specified with inches. This function changes the default unit.

**Usage**

```
hook_figure_unit(unit = "mm", .set = TRUE)
```

**Arguments**

unit	A string of an unit (default: "mm"). Available units follow. <code>measurements::conv_unit_options\$length</code>
.set	TRUE or FALSE to set the hook.

**Details**

As a side effect, `fig.retina` is set to NULL because of <https://github.com/yihui/knitr/issues/1876>.

**Value**

invisible hook function

**Examples**

```
hook_figure_unit('mm')
```

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hook_numberLines	<i>Number lines on code blocks</i>
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**Description**

Number lines on code blocks created by chunks, i.e. source, output, message, warning, and/or error.

**Usage**

```
hook_numberLines(targets = "source", .set = TRUE)
```

**Arguments**

targets	A character vector specifying what kind of code blocks automatically number lines (default: "source"). Choices are "source", "output", "message", "warning", and/or "error". NULL disables the automation.
.set	TRUE or FALSE to set the hook.

**Value**

invisible hook function

**Examples**

```
hook_numberLines("source")
```

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