

# Package ‘diffr’

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**Title** Display Differences Between Two Files using Codediff Library

**Version** 0.1

## Description

An R interface to the 'codediff' JavaScript library (a copy of which is included in the package, see <https://github.com/danvk/codediff.js> for information).

Allows for visualization of the difference between 2 files, usually text files or R scripts, in a browser.

**Depends** R (>= 3.0)

**Imports** htmlwidgets

**License** GPL-2

**LazyData** true

**RoxygenNote** 6.0.1

**Suggests** shiny

**BugReports** <https://github.com/muschelli2/diffr/issues>

**NeedsCompilation** no

**Author** John Muschelli [aut, cre]

**Maintainer** John Muschelli <muschelli2@gmail.com>

**Repository** CRAN

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diffr

*Diff 2 files side by side*

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## Description

Takes the diff of 2 files and shows comparisons

## Usage

```
diffr(file1, file2, contextSize = 3, minJumpSize = 10, wordWrap = TRUE,  
      before = file1, after = file2, width = NULL, height = NULL)
```

## Arguments

file1	First file to take diff (usually original file)
file2	First file to take diff (usually updated file)
contextSize	Minimum number of lines of context to show around each diff hunk. (default: 3).
minJumpSize	Minimum number of equal lines to collapse into a “Show N more lines” link. (default: 10)
wordWrap	By default, code will go all the way to the right margin of the diff. If there are 60 characters of space, character 61 will wrap to the next line, even mid-word. To wrap at word boundaries instead, set this option.
before	Text to display on file1
after	Text to display on file2
width	passed to <code>createWidget</code>
height	passed to <code>createWidget</code>

## Examples

```
library(diffr)  
file1 = tempfile()  
writeLines("hello, world!\n", con = file1)  
file2 = tempfile()  
writeLines(paste0(  
  "hello world?\nI don't get it\n",  
  paste0(sample(letters, 65, replace = TRUE), collapse = "")), con = file2)  
diffr(file1, file2, before = "f1", after = "f2")
```

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`diffROutput`*Wrapper functions for using diffR in shiny*

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### Description

Use `diffROutput` to create a UI element, and `renderDiffR` to render the diff.

### Usage

```
diffROutput(outputId, width = "100%", height = "400px")
```

```
renderDiffR(expr, env = parent.frame(), quoted = FALSE)
```

### Arguments

<code>outputId</code>	Output variable to read from
<code>width</code> , <code>height</code>	The width and height of the diff (see <a href="#">shinyWidgetOutput</a> )
<code>expr</code>	An expression that generates a <code>diffR</code> object
<code>env</code>	The environment in which to evaluate <code>expr</code>
<code>quoted</code>	Is <code>expr</code> a quoted expression (with <code>quote()</code> )? This is useful if you want to save an expression in a variable.

Widget output function for use in Shiny

### Examples

```
library(diffR)
library(shiny)
file1 = tempfile()
writeLines("hello, world!\n", con = file1)
file2 = tempfile()
writeLines(paste0(
  "hello world?\nI don't get it\n",
  paste0(sample(letters, 65, replace = TRUE), collapse = "")), con = file2)

ui <- fluidPage(
  h1("A diffR demo"),
  checkboxInput("wordWrap", "Word Wrap",
    value = TRUE),
  diffROutput("exdiff")
)

server <- function(input, output, session) {
  output$exdiff <- renderDiffR({
    diffR(file1, file2, wordWrap = input$wordWrap,
      before = "f1", after = "f2")
  })
}
```

```
shinyApp(ui, server)
```

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