

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/muschellij2/diffr/issues>

NeedsCompilation no

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diffr

Diff 2 files side by side

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")
```

diffROutput *Wrapper functions for using diffR in shiny*

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, height</code> | The width and height of the diff (see shinyWidgetOutput) |
| <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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