Package 'imageviewer'

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Title Simple 'htmlwidgets' Image Viewer with WebGL Brightness/Contrast

Version 0.1.0

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URL https://github.com/yapus/imageviewer

BugReports https://github.com/yapus/imageviewer/issues

Description Display a 2D-matrix data as a interactive zoomable gray-scale image viewer, providing tools for manual data inspection. The viewer window shows cursor guiding lines and a corresponding data slices for both axes at the current cursor position. A tool-bar allows adjusting image display brightness/contrast through WebGL filters and performing basic high-pass/low-pass filtering.

Depends R (>= 3.4), htmlwidgets

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Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

NeedsCompilation no

Repository CRAN

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`imageviewer` *imageviewer*

Description

Simple htmlwidgets matrix viewer with WebGL brightness/contrast

Usage

```
imageviewer(data, width = NULL, height = NULL, elementId = NULL,
  options = list())
```

Arguments

`data`	A matrix
`width, height`	matrix dimensions
`elementId`	HTML element Id
`options`	list of other options (passed through to JS code)

Value

Plot matrix in html widget

Examples

```
# Create matrix
m <- matrix(rnorm(512 * 512, mean = 100, sd = 10), 512, 512)

# Plot
imageviewer(m)
```

`imageviewer-shiny` *Shiny bindings for imageviewer*

Description

Output and render functions for using imageviewer within Shiny applications and interactive Rmd documents.

Usage

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

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

Arguments

outputId	output variable to read from
width, height	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number, which will be coerced to a string and have 'px' appended.
expr	An expression that generates a imageviewer
env	The environment in which to evaluate expr.
quoted	Is expr a quoted expression (with quote())? This is useful if you want to save an expression in a variable.

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