Package 'gridDebug'

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Depends R (>= 3.0)

Imports methods, grid, graph, gridGraphviz, gridSVG (>= 1.1)

Suggests lattice, ggplot2

SystemRequirements graphviz

Title Debugging 'grid' Graphics

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Description Functions for drawing scene trees representing
scenes that have been drawn using grid graphics.

License GPL (>= 2)

NeedsCompilation no

Repository CRAN

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R topics documented:

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gridTree   *Draw a grid scene graph*

Description

This function draws a node-and-edge graph representing the current **grid** scene.

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Usage

```
gridTree(grobNodeAttrs=list(shape="circle", fillcolor="black",
                            fontcolor="white"),
         vpNodeAttrs=list(shape="box", fillcolor="grey90",
                          fontcolor="black"),
         grob2grobAttrs=list(color="black", lty="solid", lwd=1),
         vp2vpAttrs=list(color="black", lty="solid", lwd=1),
         grob2vpAttrs=list(color="black", lty="dotted", lwd=1),
         vp2grobAttrs=list(color="grey", lty="solid", lwd=2),
         split=TRUE, grid=TRUE,
         grobs=TRUE, viewports=TRUE, draw=TRUE)
```

Arguments

grobNodeAttrs	Named list of attribute settings for nodes representing grobs.
vpNodeAttrs	Named list of attribute settings for nodes representing viewports.
grob2grobAttrs	Named list of attribute settings for edges between two grobs.
vp2vpAttrs	Named list of attribute settings for edges between two viewports.
grob2vpAttrs	Named list of attribute settings for edges from a grob to a viewport.
vp2grobAttrs	Named list of attribute settings for edges from a viewport to a grob.
split	Logical indicating whether to break long node names across multiple lines.
grid	Logical indicating whether to draw the graph using traditional graphics or **grid**.
grobs	Logical indicating whether to include nodes in the graph for grobs in the scene.
viewports	Logical indicating whether to include nodes in the graph for viewports in the scene.
draw	Logical indicating whether to draw the graph.

Details

The attribute names must be valid graphviz attribute names.

Value

Invisibly returns a graph object.

Author(s)

Paul Murrell

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gridTreeTips   *Add tooltips to a grid scene graph.*

Description

Produces an SVG version of a scene graph with tooltips that show node labels when the mouse hovers over a graph node.

Usage

```
gridTreeTips(filename = "Rplots.svg", ..., grid = TRUE)
```

Arguments

filename	The name of the SVG file that is produced.
...	Arguments that will be passed to gridTree().
grid	Logical indicating whether to draw the scene graph using grid; setting this to FALSE will produce an error.

Details

This function first produces a grid scene graph from the current page, then produces an SVG version (with tooltips).

Author(s)

Paul Murrell

See Also

gridTree

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grobBrowser   *Add tooltips to a grid scene.*

Description

Produces an SVG version of a grid scene with tooltips that show grob labels when the mouse hovers over a grob.

Usage

```
grobBrowser(filename = "Rplots.svg")
```

Arguments

    `filename`   The name of the SVG file that is produced.

Author(s)

    Paul Murrell

See Also

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