Package: draw (via r-universe)

August 25, 2024

Type Package

Title Wrapper Functions for Producing Graphics

Version 1.0.0

Author Richard Wen <rrwen.dev@gmail.com>

Maintainer Richard Wen <rrwen.dev@gmail.com>

Description A set of user-friendly wrapper functions for creating consistent graphics and diagrams with lines, common shapes, text, and page settings. Compatible with and based on the R 'grid' package.

Imports grDevices, grid, tools

License MIT + file LICENSE

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

URL https://github.com/rrwen/draw

BugReports https://github.com/rrwen/draw/issues

Repository https://rrwen.r-universe.dev

RemoteUrl https://github.com/rrwen/draw

RemoteRef HEAD

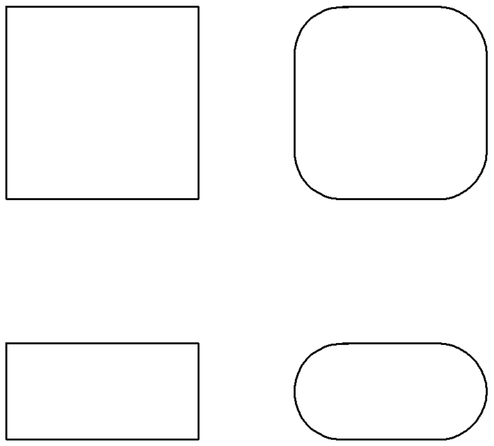
RemoteSha d2202f7bfd9c7721c1ba45bf6ab9f0f3013de250

Contents

`drawBox` *Draw a Box on the Page*

Description

Draws a box on the page given positioning, dimensions and styling.



altalt

Usage

```
drawBox(x, y, width = .pkgenv$boxWidth, height = .pkgenv$boxHeight,
  radius = .pkgenv$boxRadius, fillColor = .pkgenv$boxFillColor,
  opacity = .pkgenv$boxOpacity, lineColor = .pkgenv$boxLineColor,
  lineWidth = .pkgenv$boxLineWidth, lineType = .pkgenv$boxLineType,
  units = .pkgenv$units, ...)
```

Arguments

`x`	Numeric value for the x-axis position of the center.
`y`	Numeric value for the y-axis position of the center.
`width`	Numeric value for the width.
`height`	Numeric value for the height.
`radius`	Numeric value for the radius to create rounded box corners.
`fillColor`	Character value for the fill color.

`opacity`	Numeric value for the transparency with values ranging from 0 (transparent) to 1 (non-transparent).
`lineColor`	Character value for the color of the lines.
`lineWidth`	Numeric value for the width of the lines.
`lineType`	Character value for the line type. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
`units`	Character value for the unit to use when specifying measurements.
`...`	Additional arguments passed to grid.rect.

Value

A grid.rect grob object.

See Also

drawSettings

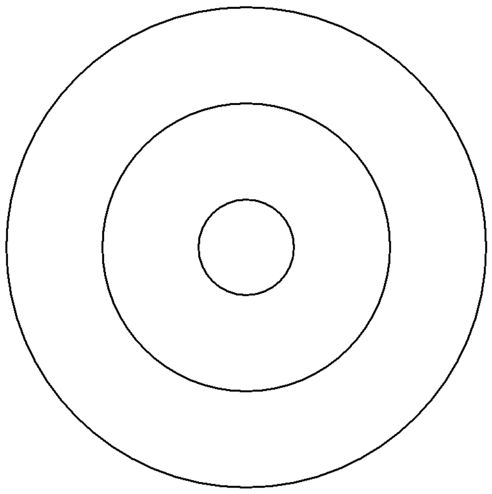
Examples

```
library(draw)

# Set drawing settings
drawSettings(pageWidth = 5, pageHeight = 5, units = "inches")

# Create a new drawing page
drawPage()

# Draw a square
drawBox(x = 1, y = 4, width = 1, height = 1)

# Draw a square with rounded corners
drawBox(x = 4, y = 4, width = 1, height = 1, radius = 0.25)

# Draw a rectangle
drawBox(x = 1, y = 1, width = 1, height = 0.5)

# Draw a rectangle with rounded corners
drawBox(x = 4, y = 1, width = 1, height = 0.5, radius = 0.25)

# Export the drawing page to a PDF
drawExport("drawBox.pdf")
```

`drawCircle` *Draw a Circle on the Page*

Description

Draws a circle on the page given positioning, dimensions and styling.



altalt

Usage

```
drawCircle(x, y, radius = .pkgenv$circleRadius,
  fillColor = .pkgenv$circleFillColor, opacity = .pkgenv$circleOpacity,
  lineColor = .pkgenv$circleLineColor, lineWidth = .pkgenv$circleLineWidth,
  lineType = .pkgenv$circleLineType, units = .pkgenv$units, ...)
```

Arguments

`x`	Numeric value for the x-axis position of the center.
`y`	Numeric value for the y-axis position of the center.
`radius`	Numeric value for radius of the circle.
`fillColor`	Character value for the fill color.
`opacity`	Numeric value for the transparency with values ranging from 0 (transparent) to 1 (non-transparent).
`lineColor`	Character value for the color of the lines.
`lineWidth`	Numeric value for the width of the lines.

`lineType`	Character value for the line type. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
`units`	Character value for the unit to use when specifying measurements.
`...`	Additional arguments passed to grid.circle

Value

A grid.circle grob object.

See Also

drawSettings

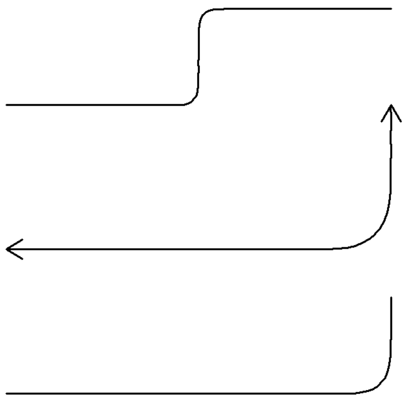
Examples

```
library(draw)

# Set drawing settings
drawSettings(pageWidth = 5, pageHeight = 5, units = "inches")

# Create a new drawing page
drawPage()

# Draw a small circle
drawCircle(x = 2.5, y = 2.5, radius = 0.5)

# Draw a mid sized circle
drawCircle(x = 2.5, y = 2.5, radius = 1)

# Draw a large circle
drawCircle(x = 2.5, y = 2.5, radius = 2)

# Export the drawing page to a PDF
drawExport("drawCircle.pdf")
```

`drawCurve` *Draw a Curve on the Page*

Description

Draws a curve on the page given positioning, dimensions and styling.



altalt

Usage

```
drawCurve(x, y, curvature = .pkgenv$curveCurvature,
  angle = .pkgenv$curveAngle, points = .pkgenv$curvePoints,
  shape = .pkgenv$curveShape, square = .pkgenv$curveSquare,
  squareShape = .pkgenv$curveSquareShape, opacity = .pkgenv$curveOpacity,
  lineColor = .pkgenv$curveLineColor, lineWidth = .pkgenv$curveLineWidth,
  lineType = .pkgenv$curveLineType, inflect = .pkgenv$curveInflect,
  open = .pkgenv$curveOpen, arrowAngle = .pkgenv$arrowAngle,
  arrowLength = .pkgenv$arrowLength, arrowUnits = .pkgenv$arrowUnits,
  arrowEnds = .pkgenv$arrowEnds, arrowType = .pkgenv$arrowType,
  units = .pkgenv$units, ...)
```

Arguments

`x`	Numeric vector of length 2 for x-axis position of starting and ending points.
`y`	Numeric vector of length 2 for y-axis position of starting and ending points.
`curvature`	Numeric value for the curvature of the curve. Values of 0 create a straight line, negative values create left-hand curves, and positive values create right-hand curves.
`angle`	Numeric value of the curve control point skewness ranging from 0 to 180. Values less than 90 skew towards the start point, and values more than 90 skew towards the end point.
`points`	Numeric value for the number of curve control points with higher numbers creating a smoother curve.
`shape`	Numeric value for the shape of the curve ranging from -1 to 1 (See grid.xspline).
`square`	Logical value indicating whether curve control points are created in a city-block or oblique way. It is recommended to set this to TRUE if *points* is 1 and *angle* is 90, and FALSE otherwise (see grid.curve).

`squareShape`	Numeric value controlling curve behaviours relative to control points. Applies if *square* is TRUE.
`opacity`	Numeric value for the transparency with values ranging from 0 (transparent) to 1 (non-transparent).
`lineColor`	Character value for the color of the lines.
`lineWidth`	Numeric value for the width of the lines.
`lineType`	Character value for the line type. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
`inflect`	Logical value indicating if the curve should be cut in half and inverted (TRUE) or not (FALSE).
`open`	Logical value indicating whether to open the curve (TRUE) or close the curve (FALSE).
`arrowAngle`	Numeric value of the angle for arrows. Smaller numbers create narrower arrows, and larger numbers produce wider arrows.
`arrowLength`	Numeric value of the length for arrows.
`arrowUnits`	Character value of the measurement unit for arrows.
`arrowEnds`	Character value indicating which end to draw arrows on lines. Must be one of "last", "first" or "both".
`arrowType`	Character value indicating if the arrow heads should be closed or open. Must be one of "open" or "closed".
`units`	Character value for the unit to use when specifying measurements.
`...`	Additional arguments passed to grid.curve.

Value

A grid.curve grob object.

See Also

drawSettings

Examples

```
library(draw)

# Set drawing settings
drawSettings(pageWidth = 5, pageHeight = 5, units = "inches")

# Create a new drawing page
drawPage()

# Draw a curved angle
drawCurve(x = c(1, 4),
          y = c(1, 2),
          angle = 90)
```

```
# Draw a curved angle with arrows
drawCurve(x = c(1, 4),
          y = c(2, 3.75),
          angle = 90, arrowLength = 0.1, arrowEnd = "both")

# Draw an inflected curve
drawCurve(x = c(1, 4),
          y = c(3, 4),
          angle = 90, inflect = TRUE)

# Export the drawing page to a PDF
drawExport("drawCurve.pdf")
```

`drawExport` *Export Current Drawing Page to a File*

Description

Export Current Drawing Page to a File

Usage

```
drawExport(f, width = .pkgenv$pageWidth, height = .pkgenv$pageHeight,
  ppi = .pkgenv$exportPPI, format = tools::file_ext(f),
  textSize = .pkgenv$textSize, units = .pkgenv$exportUnits, ...)
```

Arguments

`f`	Character value of the file path to save to. Must include file name and extension.
`width`	Numeric value of the image width.
`height`	Numeric value of the image height.
`ppi`	Numeric value of the image resolution quality in Pixels Per Inch (PPI).
`format`	Character value of the extension for file without a period ".".
`textSize`	Size of text (pt) in image.
`units`	Character value for the unit to use when specifying measurements. Can be one of the following: • "px", "pixels", "pixel", "pix" • "in", "inches", "inch" • "cm", "centimeters", "centimeter", "centimetre", "centimetres" • "mm", "millimeters", "millimeter", "millimetre", "millimetres"
`...`	Additional arguments passed to dev.copy.

Value

The name and number of the device, according to dev.copy, which has been copied to.

See Also

drawSettings

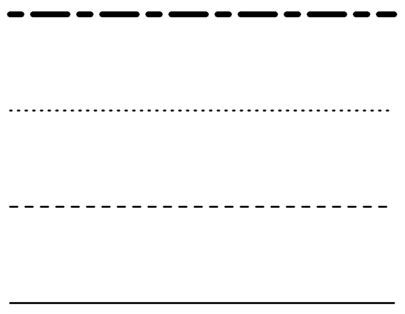
Examples

```
library(draw)

# Set drawing settings
drawSettings(pageWidth = 5, pageHeight = 5, units = "inches")

# Create a new drawing page
drawPage()

# Draw a square
drawBox(x = 1, y = 4, width = 2, height = 2)

# Export the drawing page to a PDF
drawExport("export.pdf")

# Export the drawing page to a PNG
drawExport("export.png", ppi=300)
```

`drawLine` *Draw a Line on the Page*

Description

Draws a line on the page given positioning, dimensions and styling.



altalt

Usage

```
drawLine(x, y, opacity = .pkgenv$lineOpacity, lineColor = .pkgenv$lineColor,
  lineWidth = .pkgenv$lineWidth, lineType = .pkgenv$lineType,
  arrowAngle = .pkgenv$arrowAngle, arrowLength = .pkgenv$arrowLength,
  arrowUnits = .pkgenv$arrowUnits, arrowEnds = .pkgenv$arrowEnds,
  arrowType = .pkgenv$arrowType, units = .pkgenv$units, ...)
```

Arguments

`x`	Numeric vector for the x-axis positions of the control points.
`y`	Numeric vector for the y-axis positions of the control points.
`opacity`	Numeric value for the transparency with values ranging from 0 (transparent) to 1 (non-transparent).
`lineColor`	Character value for the color of the lines.
`lineWidth`	Numeric value for the width of the lines.
`lineType`	Character value for the line type. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
`arrowAngle`	Numeric value of the angle for arrows. Smaller numbers create narrower arrows, and larger numbers produce wider arrows.
`arrowLength`	Numeric value of the length for arrows.
`arrowUnits`	Character value of the measurement unit for arrows.
`arrowEnds`	Character value indicating which end to draw arrows on lines. Must be one of "last", "first" or "both".
`arrowType`	Character value indicating if the arrow heads should be closed or open. Must be one of "open" or "closed".
`units`	Character value for the unit to use when specifying measurements.
`...`	Additional arguments passed to grid.lines.

Value

A grid.lines grob object.

See Also

drawSettings

Examples

```
library(draw)

# Set drawing settings
drawSettings(pageWidth = 5, pageHeight = 5, units = "inches")

# Create a new drawing page
drawPage()
```

```
# Draw a solid line
drawLine(x = c(1, 4),
         y = c(1 ,1))

# Draw a dashed line
drawLine(x = c(1, 4),
         y = c(2 ,2),
         lineType = "dashed")

# Draw a dotted line with ending arrow
drawLine(x = c(1, 4),
         y = c(3 ,3),
         lineType = "dotted", arrowEnds = "last")

# Draw thick two dash line with starting arrow
drawLine(x = c(1, 4),
         y = c(4, 4),
         lineWidth = 3, lineType = "twodash", arrowEnds = "first")

# Export the drawing page to a PDF
drawExport("drawLine.pdf")
```

drawPage *Create a New Drawing Page*

Description

Create a New Drawing Page

Usage

```
drawPage(width = .pkgenv$pageWidth, height = .pkgenv$pageHeight,
  units = .pkgenv$units, ...)
```

Arguments

`width`	Numeric value for the page width.
`height`	Numeric value for the page height.
`units`	Character value for the unit to use when specifying measurements.
`...`	Additional arguments to viewport.

Value

A viewport object.

See Also

drawSettings

Examples

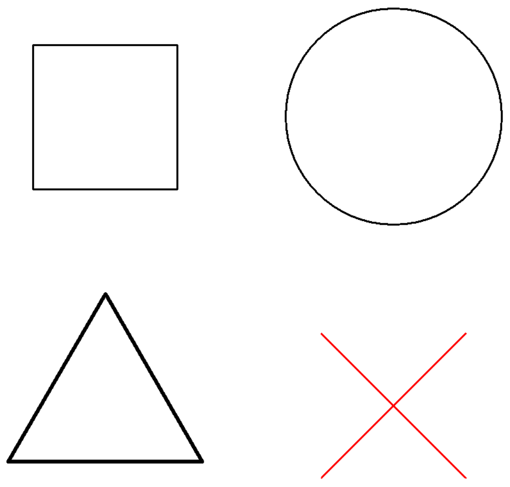
```
library(draw)

# Set drawing settings
drawSettings(pageWidth = 5, pageHeight = 5, units = "inches")

# Create a new drawing page
drawPage()
```

---

drawPoint *Draw a Point on the Page*

Description

Draws a point on the page given positioning, dimensions and styling.



altalt

Usage

```
drawPoint(x, y, pch = .pkgenv$pointPCH, size = .pkgenv$pointSize,
  fillColor = .pkgenv$pointFillColor, opacity = .pkgenv$pointOpacity,
  lineColor = .pkgenv$pointLineColor, lineWidth = .pkgenv$pointLineWidth,
  lineType = .pkgenv$pointLineType, units = .pkgenv$units, ...)
```

Arguments

`x`	Numeric value for the x-axis position of the center.
`y`	Numeric value for the y-axis position of the center.
`pch`	Numeric value indicating which plotting symbol to use (see points). Some examples include 0 for square, 1 for circle, 2 for triangle, and 4 for X.
`size`	Numeric value for the size of the point.
`fillColor`	Character value for the fill color.
`opacity`	Numeric value for the transparency with values ranging from 0 (transparent) to 1 (non-transparent).
`lineColor`	Character value for the color of the lines.
`lineWidth`	Numeric value for the width of the lines.
`lineType`	Character value for the line type. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
`units`	Character value for the unit to use when specifying measurements.
`...`	Additional arguments passed to grid.points.

Value

A grid.points grob object.

See Also

drawSettings

Examples

```
library(draw)

# Set drawing settings
drawSettings(pageWidth = 5, pageHeight = 5, units = "inches")

# Create a new drawing page
drawPage()

# Draw a square point
drawPoint(x = 1, y = 4, pch = 0)

# Draw a larger circle point
drawPoint(x = 4, y = 4, pch = 1, size = 1.5)

# Draw a triangle point
drawPoint(x = 1, y = 1, pch = 2, lineWidth = 2)

# Draw a red X point
drawPoint(x = 4, y = 1, pch = 4, lineColor = "red")

# Export the drawing page to a PDF
drawExport("drawPoint.pdf")
```

`drawSettings` *Modify Default Drawing Settings*

Description

Modify Default Drawing Settings

Usage

```
drawSettings(...)
```

Arguments

`...`	Default settings to modify draw package settings stored in an environment.

Details

The following parameters are available to change:

*

- **units** [default = "inches"]: Character value of default measurement unit for applicable draw function parameters (such as width, height, radius, x, y, etc).

arrow

- **arrowAngle** [default = 30]: Numeric value of the angle for arrows. Smaller numbers create narrower arrows, and larger numbers produce wider arrows.
- **arrowLength** [default = 0]: Numeric value of the length for arrows.
- **arrowUnits** [default = *units*]: Character value of the measurement unit for arrows. Default is the same as *units* parameter under *.
- **arrowEnds** [default = "last"]: Character value indicating which end to draw arrows on lines. Must be one of "last", "first" or "both".
- **arrowType** [default = "open"]: Character value indicating if the arrow heads should be closed or open. Must be one of "open" or "closed".

drawBox

- **boxWidth** [default = 1]: Numeric value of the width for boxes.
- **boxHeight** [default = 1]: Numeric value of the height for boxes.
- **boxRadius** [default = 0]: Numeric value of the radius for boxes to create rounded corners.
- **boxFillColor** [default = "transparent"]: Character value of the color to fill boxes with.
- **boxOpacity** [default = 1]: Numeric value of transparency for boxes ranging from 0 (transparent) to 1 (non-transparent).
- **boxLineWidth** [default = 1]: Numeric value of the width for the box lines.

- **boxLineType** [default = "solid"]: Character value of the type of line for the boxes. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
- **boxLineColor** [default = "black"]: Character value of the color for the box lines.

drawCircle

- **circleRadius** [default = 0.5]: Numeric value of the radius for circles.
- **circleFillColor** [default = "transparent"]: Character value of the color to fill circles with.
- **circleOpacity** [default = 1]: Numeric value of the transparency for circles ranging from 0 (transparent) to 1 (non-transparent).
- **circleLineWidth** [default = 1]: Numeric value of the width for the circle lines.
- **circleLineType** [default = "solid"]: Character value of the type of line for the circles. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
- **circleLineColor** [default = "black"]: Character value of the color for the circle lines.

drawCurve

- **curveCurvature** [default = 1]: Numeric value of the curvature for the curves. Values of 0 create a straight line, negative values create left-hand curves, and positive values create right-hand curves.
- **curveAngle** [default = 90]: Numeric value of the curve control point skewness ranging from 0 to 180. Values less than 90 skew towards the start point, and values more than 90 skew towards the end point.
- **curvePoints** [default = 1]: Numeric value of the number of control points for the curves, where higher values create smoother curves.
- **curveShape** [default = 0.5]: Numeric value of the shape for the curves ranging from -1 to 1 (See grid.xspline).
- **curveSquare** [default = TRUE]: Logical value indicating whether curve control points are created in a city-block or oblique way. It is recommended to set this to TRUE if *curvePoints* is 1 and *curveAngle* is 90, and FALSE otherwise (see grid.curve).
- **curveSquareShape** [default = 1]: Numeric value controlling curve behaviours relative to control points. Applies if *curveSquare* is TRUE.
- **curveOpacity** [default = 1]: Numeric value of the transparency for the curves ranging from 0 (transparent) to 1 (non-transparent).
- **curveLineColor** [default = "black"]: Character value of the color for the curve lines.
- **curveLineWidth** [default = 1]: Character value of the width for the curve lines.
- **curveLineType** [default = "solid"]: Character value of the type of line for the curves. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
- **curveInflect** [default = FALSE]: Logical value indicating if curve should be cut in half and inverted (TRUE) or not (FALSE).
- **curveOpen** [default = TRUE]: Logical value indicating whether to open the curves (TRUE) or close the curves (FALSE).

drawExport

- **exportUnits** [default = *units*]: Character value of measurement unit for exporting. Default is the same as *units* parameter under *.
- **exportPPI** [default = 150]: Numeric value of the image quality measured in Pixels Per Inch (PPI).

drawLine

- **lineOpacity** [default = 1]: Numeric value of the transparency of the lines ranging from 0 (transparent) to 1 (non-transparent).
- **lineWidth** [default = 1]: Numeric value of the width of the lines.
- **lineType** [default = "solid"]: Character value of the type for the lines. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
- **lineColor** [default = "black"]: Character value of the color of the lines.

drawPage

- **pageWidth** [default = 8.5]: Numeric value of the width of the drawing page.
- **pageHeight** [default = 11]: Numeric value of the height of the drawing page.

drawPoint

- **pointPCH** [default = 20]: Numeric value indicating which plotting symbol to use (see points). Some examples include 0 for square, 1 for circle, 2 for triangle, and 4 for X.
- **pointSize** [default = 1]: Numeric value of the point size.
- **pointFillColor** [default = "transparent"]: Character value of the color to fill each point.
- **pointOpacity** [default = 1]: Numeric value of the transparency for the points ranging from 0 (transparent) to 1 (non-transparent).
- **pointLineColor** [default = "black"]: Character value of the color of the points.
- **pointLineType** [default = "solid"]: Character value of the type for the lines. One of "blank", "solid", "dashed", "dotted", "dotdash", "longdash", or "twodash" (see "lty" in par).
- **pointLineWidth** [default = 1]: Numeric value of the width of the point lines.

drawText

- **text** [default = "text"]: Character value of the text to display at the defined position.
- **textJust** [default = "centre"]: Character value of the text justification. One of "left", "right", "centre", "center", "bottom", or "top".
- **textHjust** [default = NULL]: Numeric value of the horizontal justification.
- **textVjust** [default = NULL]: Numeric value of the vertical justification.
- **textAngle** [default = 0]: Numeric value of the angle to rotate text.
- **textOverlap** [default = FALSE]: Logical value indicating if overlapping text should be removed (TRUE) or not (FALSE).
- **textOpacity** [default = 1]: Numeric value of the transparency for text ranging from 0 (transparent) to 1 (non-transparent).
- **textColor** [default = "black"]: Character value of the color for text.

- **textSize** [default = 12]: Numeric value of the text font size in pt.
- **textFace** [default = "plain"]: Character value of the text font face. One of "plain", "bold", "italic", "oblique", and "bold.italic" (see *fontface* in gpar).
- **textFamily** [default = "sans"]: Character value of text font family to use (see *family* in par). Common values are "serif", "sans" and "mono".
- **textLineHeight** [default = 1.2]: Numeric value of text line height as a multiple of the size of the text.

Value

A list of the current draw settings with changes.

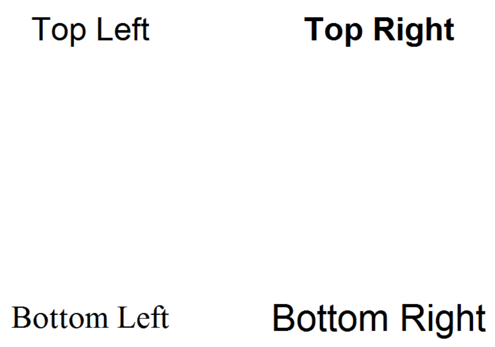
Examples

```
library(draw)

# Set page dimensions and units to inches
drawSettings(pageWidth = 5, pageHeight = 5, units = "inches")

# Set export resolution in Pixels Per Inch (PPI)
drawSettings(exportPPI = 300)

# Set default width and height for all boxes in inches
drawSettings(boxWidth = 1, boxHeight = 1)

# Create a new drawing page
drawPage()

# Draw default 1 by 1 inch boxes near the center
drawBox(x = 2, y = 2.5)
drawBox(x = 3, y = 2.5)

# Draw a non-default 2 by 2 inch box in the center
drawBox(x = 2.5, y = 2.5, width = 2, height = 2)

# Export the current drawing page
drawExport("drawSettingsExample.pdf")
```

`drawText` *Draw Text on the Page*

Description

Draws text on the page given positioning, dimensions and styling.



altalt

Usage

```
drawText(x, y, text = .pkgenv$text, just = .pkgenv$textJust,
  hjust = .pkgenv$textHjust, vjust = .pkgenv$textVjust,
  angle = .pkgenv$textAngle, overlap = .pkgenv$textOverlap,
  opacity = .pkgenv$textOpacity, color = .pkgenv$textColor,
  size = .pkgenv$textSize, face = .pkgenv$textFace,
  family = .pkgenv$textFamily, lineHeight = .pkgenv$textLineHeight,
  units = .pkgenv$units, ...)
```

Arguments

`x`	Numeric value for the x-axis position of the center.
`y`	Numeric value for the y-axis position of the center.
`text`	Character value of the text to display at *xy* position.
`just`	Character value of the text justification. One of "left", "right", "centre", "center", "bottom", or "top".
`hjust`	Numeric value of the horizontal justification.
`vjust`	Numeric value of the vertical justification.
`angle`	Numeric value of the angle to rotate text.
`overlap`	Logical value indicating if overlapping text should be removed (TRUE) or not (FALSE).
`opacity`	Numeric value of the transparency for text ranging from 0 (transparent) to 1 (non-transparent).
`color`	Character value of the color for text.
`size`	Numeric value of the text font size in pt.

`face`	Character value of the text font face. One of "plain", "bold", "italic", "oblique", and "bold.italic" (see *fontface* in gpar).
`family`	Character value of text font family to use (see *family* in par). Common values are "serif", "sans" and "mono".
`lineHeight`	Numeric value of text line height as a multiple of the size of the text.
`units`	Character value for the unit to use when specifying measurements.
`...`	Additional arguments passed to grid.text.

Value

A grid.text grob object.

See Also

drawSettings

Examples

```
library(draw)

# Set drawing settings
drawSettings(pageWidth = 5, pageHeight = 5, units = "inches")

# Create a new drawing page
drawPage()

# Draw text on top left corner
drawText(x = 1, y = 4, text = "Top Left")

# Draw bold text on top right corner
drawText(x = 4, y = 4, text = "Top Right", face = "bold")

# Draw serif text on bottom left corner
drawText(x = 1, y = 1, text = "Bottom Left", family = "serif")

# Draw larger text on bottom right corner
drawText(x = 4, y = 1, text = "Bottom Right", size = 14)

# Export the drawing page to a PDF
drawExport("drawText.pdf")
```

Index