

Package ‘piechart’

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Description Plot a 2-D pie chart

Title Plot Pie Chart

Author Sijing Li <sijingli@stat.wisc.edu>

Maintainer Sijing Li <sijingli@stat.wisc.edu>

VignetteBuilder knitr

Suggests knitr, rmarkdown, devtools, roxygen2

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piechart	<i>Draw a 2-dimensional pie chart</i>
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Description

Draw a 2-dimensional pie chart

Usage

```
piechart(x, labels = names(x), edges = 200, radius = 0.8,  
         clockwise = FALSE, init.angle = if (clockwise) 90 else 0,  
         density = NULL, angle = 45, col = NULL, border = NULL, lty = NULL,  
         main = NULL, ...)
```

Arguments

<code>x</code>	A vector of non-negative numerical quantities. The values in <code>x</code> are displayed as the areas of pie slices.
<code>labels</code>	One or more expressions or character strings giving names for the slices.
<code>edges</code>	The circular outline of the pie is approximated by a polygon with this many edges.
<code>radius</code>	The pie is drawn centered in a square box whose sides range from -1 to 1.
<code>clockwise</code>	Logical indicating if slices are drawn clockwise or counter clockwise, the latter is default.
<code>init.angle</code>	Number specifying the starting angle (in degrees) for the slices.
<code>density</code>	The density of shading lines, in lines per inch. The default value of NULL means that no shading lines are drawn.
<code>angle</code>	The slope of shading lines, given as an angle in degrees (counter-clockwise).
<code>col</code>	A vector of colors to be used in filling or shading the slices.
<code>border, lty</code>	(Possibly vectors) arguments passed to <code>polygon</code> which draws each slice.
<code>main</code>	An overall title for the plot.
<code>...</code>	Graphical parameters can be given as arguments to <code>pie</code> . They will affect the main title and labels only.

Value

A colored 2-dim pie chart

Author(s)

Sijing Li

Examples

```
piechart(rep(1, 24), col = rainbow(24), radius = 0.9)

pie.sales <- c(0.12, 0.3, 0.26, 0.16, 0.04, 0.12)
names(pie.sales) <- c("Blueberry", "Cherry", "Apple",
  "Boston Cream", "Other", "Vanilla Cream")
piechart(pie.sales) # default colours
piechart(pie.sales, col = c("purple", "violetred1", "green3",
  "cornsilk", "cyan", "white"))
```

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