visHexGrid

February 12, 2015

`visHexGrid` *Function to visualise a supra-hexagonal grid*

Description

`visHexGrid` is supposed to visualise a supra-hexagonal grid

Usage

```
visHexGrid(hbin, area.size = 1, border.color = NULL, fill.color = NULL,
lty = 1, lwd = 1, lineend = "round", linejoin = "round")
```

Arguments

`hbin`	an object of class "hexbin"
`area.size`	an inteter or a vector specifying the area size of each hexagon
`border.color`	the border color for each hexagon
`fill.color`	the filled color for each hexagon
`lty`	the line type for each hexagon. 0 for 'blank', 1 for 'solid', 2 for 'dashed', 3 for 'dotted', 4 for 'dotdash', 5 for 'longdash', 6 for 'twodash'
`lwd`	the line width for each hexagon
`lineend`	the line end style for each hexagon. It can be one of 'round', 'butt' and 'square'
`linejoin`	the line join style for each hexagon. It can be one of 'round', 'mitre' and 'bevel'

Value

invisible

Note

none

See Also

`visHexComp`

Examples

```
# 1) generate an iid normal random matrix of 100x10
data <- matrix( rnorm(100*10,mean=0,sd=1), nrow=100, ncol=10)
colnames(data) <- paste(rep(S,10), seq(1:10), sep="")

# 2) sMap resulted from using by default setup
sMap <- sPipeline(data=data)

# 3) create an object of "hexbin" class from sMap
dat <- data.frame(sMap$coord)
xdim <- sMap$xdim
ydim <- sMap$ydim
hbin <- hexbin::hexbin(dat$x, dat$y, xbins=xdim-1,
shape=sqrt(0.75)*ydim/xdim)

# 4) visualise hbin object
vp <- hexbin::hexViewport(hbin)
visHexGrid(hbin)
```