

# sHexPolygon

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sHexPolygon	<i>Function to extract polygon location per hexagon within a supra-hexagonal grid</i>
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## Description

sHexPolygon is supposed to extract polygon location per hexagon within a supra-hexagonal grid

## Usage

```
sHexPolygon(sObj, area.size = 1)
```

## Arguments

sObj	an object of class "sMap" or "sInit" or "sTopol" or "sHex"
area.size	an integer or a vector specifying the area size of each hexagon

## Value

a data frame of five columns ('x','y','index','stepCentroid','angleCentroid') storing polygon location per hexagon.

## Note

None

## See Also

[sHexGridVariant](#), [sPipeline](#)

## Examples

```
sObj <- sTopology(xdim=4, ydim=4, lattice="hexa", shape="suprahex")
df_polygon <- sHexPolygon(sObj, area.size=1)
```