

Package: granulated (via r-universe)

October 5, 2026

Version 0.0.0.9001

Title Define Rectangular Regions with Granularity

Description A granule is a rectangular extent with an implied discretization. The default granularity is 1x1, the range is a whole divisor of itself. This is the general concept of a raster, a rectangular window with discretization. The common extent or bounding box concept can be thought of as the degenerate case (1x1).

License MIT + file LICENSE

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.2

Language es

Repository <https://hypertidy.r-universe.dev>

Date/Publication 2021-10-13 11:02:39 UTC

RemoteUrl <https://github.com/hypertidy/granulated>

RemoteRef HEAD

RemoteSha db272ceeabadcac7ebb557b5867024ac9d3c2250

Contents

col_from_cell	2
coords	2
extent	3
ncol.grain	3
nrow.grain	3
plot.grain	4
row_from_cell	4
x_centre	4
x_corner	5

2

coords

x_from_cell

x_from_col

y_centre

y_corner

y_from_cell

y_from_row

y_res

Index

5

5

6

6

6

7

7

8

col_from_cell	<i>Title</i>
---------------	--------------

Description

Title

Usage

col_from_cell(x, cell)

Arguments

cell

coords	<i>Title</i>
--------	--------------

Description

Title

Usage

coords(x)

Arguments

x

extent	<i>Extent is a workhorse, from this is derived xlim,ylim,xmin,xmax,ymin,ymax and from those x_res,y_res,x,y_centre,corner, etc.</i>
--------	---

Description

Extent is a workhorse, from this is derived xlim,ylim,xmin,xmax,ymin,ymax and from those x_res,y_res,x,y_centre,corner, etc.

Usage

extent(x)

ncol.grain	<i>Title</i>
------------	--------------

Description

Title

Usage

ncol.grain(x)

Arguments

x

nrow.grain	<i>Title</i>
------------	--------------

Description

Title

Usage

nrow.grain(x)

Arguments

x

plot.grain	<i>Title</i>
------------	--------------

Description

Title

Usage

```
## S3 method for class 'grain'  
plot(x, show = c("centre", "corner"))
```

Arguments

show

row_from_cell	<i>Title</i>
---------------	--------------

Description

Title

Usage

```
row_from_cell(x, cell)
```

Arguments

cell

x_centre	<i>Title</i>
----------	--------------

Description

Title

Usage

```
x_centre(x)
```

Arguments

x

x_corner	<i>Title</i>
----------	--------------

Description

Title

Usage

x_corner(x)

Arguments

x

x_from_cell	<i>Title</i>
-------------	--------------

Description

Title

Usage

x_from_cell(x, cell)

Arguments

cell

x_from_col	<i>Title</i>
------------	--------------

Description

Title

Usage

x_from_col(x, y)

Arguments

y

y_centre	<i>Title</i>
Description	
Title	
Usage	
y_centre(x)	
Arguments	
x	
y_corner	<i>Title</i>
Description	
Title	
Usage	
y_corner(x)	
Arguments	
x	
y_from_cell	<i>Title</i>
Description	
Title	
Usage	
y_from_cell(x, cell)	
Arguments	
cell	

y_from_row	<i>Title</i>
------------	--------------

Description

Title

Usage

y_from_row(x, y)

Arguments

y

y_res	<i>Title</i>
-------	--------------

Description

Title

Usage

y_res(x)

Arguments

x

Index

`col_from_cell`, [2](#)
`coords`, [2](#)

`extent`, [3](#)

`ncol.grain`, [3](#)
`nrow.grain`, [3](#)

`plot.grain`, [4](#)

`row_from_cell`, [4](#)

`x_centre`, [4](#)
`x_corner`, [5](#)
`x_from_cell`, [5](#)
`x_from_col`, [5](#)

`y_centre`, [6](#)
`y_corner`, [6](#)
`y_from_cell`, [6](#)
`y_from_row`, [7](#)
`y_res`, [7](#)