Package: xisoband (via r-universe)

September 6, 2024

Title Light Wrapper of 'isoband' to do it the Hypertidy Way

Version 0.0.0.9000

Description Provide use of isoband package using matrix and extent
like 'rasterImage', rather than degenerate rectilinear
coordinates (like old R image/matlab/netcdf).

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Encoding UTF-8

Language es

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.1

Imports isoband

URL <https://github.com/hypertidy/xisoband>

BugReports <https://github.com/hypertidy/xisoband/issues>

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

RemoteUrl https://github.com/hypertidy/xisoband

RemoteRef HEAD

RemoteSha b2b1ead981ea7c062a55e5f9ceeedbff7582c8f3

Contents

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plot.iso	*Title*

Description

Title

Usage

```
## S3 method for class 'iso'
plot(x, ..., asp = "", add = FALSE)
```

Arguments

x	isobands iso object (from isoband::isobands)
...	pass arguments to graphics::lines()
asp	aspect ratio
add	add to plot or create new one

Value

nothing, used for side effect (a plot)

Examples

```
plot(xisobands(volcano))
```

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xisobands	*Isobands via matix and extent*

Description

This is purely a re-orientation of isoband it self, rather than having to construct a degenerate recti-
linear data set, we just provide a matrix and optionally an extent. The extent scaling can be done
independently if wanted.

Usage

```
xisobands(x, extent = NULL, lo = NULL, hi = NULL, nlevs = 12L)
```

Arguments

x	matrix of numeric
extent	xmin,xmax,ymin,ymax georeference of the x matrix
lo	low levels
hi	high levels
nlevs	number of levels in the case that neither hi nor lo provided

Details

Matrix orientation is 'raster', i.e. like rasterImage() and not like image() which is isoband is expecting.

Values for lor and/or hi may be provided or left out. If both are left out can use nlevs to get a quantile set of levels from the data.

Value

and isobands, iso object

Examples

```
xisobands(diag(10))
```

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