Package: earthcircle (via r-universe)

August 21, 2024

Title Create Those Geographic Circles

Version 0.0.1

Description Create geographic circles, note this is not the Tissot Inidicatrix see hypertidy/tissot for that.

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Encoding UTF-8

Language es

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.3

Imports grDevices, reproj

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

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

RemoteRef HEAD

RemoteSha 273c3bb98eede04caf2be2b395e308cfd796fa66

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`earthcircle` *Generate coordinates of an "earth" circle.*

Description

A circle on the ground for every input longitude,latitude.

Usage

```
earthcircle(
  x,
  y = NULL,
  scale = 3 * 1852 * 60,
  ...,
  n = 36,
  from = 0,
  to = 2 * pi
)
```

Arguments

x	longitude of central location for circle, or lon,lat together in matrix, data frame, or list
y	latitude of location (ignored if 'x' includes y)
scale	the scale of the circle, large enough default to see on world maps
...	ignored currently
n	the number of coordinates to provide each circle
from	the minimum radial angle (default 0)
to	the maximum radial angle

Value

matrix of circle coordinates (separated by NA rows)

Examples

```
x <- earthcircle(cbind(c(0, -50), c(0, -90)), scale = 1e6, from = 0, to = pi)
plot(earthcircle:::.prj(x, "+proj=laea +lat_0=-90"), asp = 1, type = "l")
```

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