

Package ‘oz’

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Title Plot the Australian coastline and states

Description Functions for plotting Australia’s coastline and state boundaries.

Depends graphics

License GPL-2

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oz

Plot the Australian coastline and states

Description

Plot the Australian coastline and states.

Usage

```
oz(states = TRUE, coast = TRUE, xlim = NULL,
    ylim = NULL, add = FALSE, ar = 1, eps = 0.25,
    sections = NULL, visible = NULL, ...)

ozRegion(states = TRUE, coast = TRUE, xlim = NULL,
          ylim = NULL, eps = 0.25,
          sections = NULL, visible = NULL)
```

Arguments

<code>states</code>	logical flag: include mainland internal state boundaries?
<code>coast</code>	logical flag: include coastline?
<code>xlim</code>	optional limits for the x-axis (longitude).
<code>ylim</code>	optional limits for the y-axis (latitude). (N.B. all latitudes for Australia are south, and hence are NEGATIVE.)
<code>add</code>	logical flag. If TRUE, the plot is superimposed on an existing plot. Otherwise, a new plot is generated.
<code>ar</code>	aspect ratio: longitude to latitude.
<code>eps</code>	If <code>sections</code> (q.v.) is specified explicitly, the plot is enlarged four ways by this amount (degrees).
<code>sections</code>	integer vector specifying which <code>sections</code> of the plot are to be included in the range calculation. The sections are as follows: 1-7, coastlines of WA(1), NT(2), QLD(3), NSW(4), VIC(5), TAS(6) and SA(7) respectively; sections 8-16 are internal mainland state boundaries: SA-WA(8), WA-NT(9), NT-SA(10), NT-QLD(11), QLD-SA(12), QLD-NSW(13), NSW-SA(14), NSW-VIC(15), VIC-SA(16).
<code>visible</code>	integer vector specifying which of the sections are actually to appear on the plot.
<code>...</code>	optional arguments which will be passed through <code>lines</code> .

Graphical parameters (see `par()`) may also be supplied as arguments to this function.

Value

`ozRegion` returns an object of class "`ozRegion`", which is a list with the following elements: `rangex` and `rangey`, giving the range of values to be plotted; and `lines`, a list of lists, where each sub-list describes a line to draw via numeric elements `x` and `y`.

Examples

```
oz() # the lot
oz(states=FALSE) # coastlines only
oz(sections=6) # Tasmania
oz(sections=c(7,8,10,12,14,16)) # South Australia
oz(sections=c(3,11:13), visible=c(3,13)) # plot Queensland, but show just
# coast and border with NSW.
```

`oz-states`*Plot specific Australian states*

Description

Plot the named Australian state along with its coastline.

Usage

```
nsw(...)  
nt(...)  
qld(...)  
sa(...)  
tas(...)  
vic(...)  
wa(...)
```

Arguments

... arguments to be passed on to `oz`.

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