

Package ‘IsoplotRgui’

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Title Web Interface to 'IsoplotR'

Version 6.8

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Description Provides a graphical user interface to the 'IsoplotR' package for radiometric geochronology. The GUI runs in an internet browser and can either be used offline, or hosted on a server to provide online access to the 'IsoplotR' toolbox.

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Imports IsoplotR (>= 6.8), shinylight (>= 1.2)

License GPL-3

URL <https://github.com/pvermees/IsoplotRgui/>,
<https://isoplotr.es.ucl.ac.uk/>

RoxygenNote 7.3.3

Encoding UTF-8

NeedsCompilation no

Repository CRAN

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|--------|---|
| daemon | <i>Start the IsoplotR GUI without exiting</i> |
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Description

Opens a web-browser with a Graphical User Interface (GUI) for the IsoplotR package. This function is intended to be used from Rscript so that Rscript does not terminate and the server stays up.

Usage

```
daemon(port = NULL, host = "127.0.0.1", timeout = 30)
```

Arguments

| | |
|---------|--|
| port | Internet port of the virtual server. If not defined, a random free port will be chosen and the browser will be opened to show the GUI. |
| host | IP address of the virtual server |
| timeout | How long (in elapsed time) an operation may take before returning with a timeout error. Default: 30 seconds. |

Value

This function does not return.

Examples

```
# this function runs indefinitely unless interrupted by the user.  
## Not run: daemon(3839)
```

| | |
|----------|-------------------------------|
| IsoplotR | <i>Start the IsoplotR GUI</i> |
|----------|-------------------------------|

Description

Opens a web-browser with a Graphical User Interface (GUI) for the IsoplotR package. An online version of the same interface is provided at <https://isoplotr.es.ucl.ac.uk/>

Usage

```
IsoplotR(  
  host = if (daemonize) "0.0.0.0" else "127.0.0.1",  
  port = NULL,  
  timeout = Inf,  
  daemonize = !is.null(port)  
)
```

Arguments

| | |
|-----------|--|
| host | IP address of the virtual server, default is 0.0.0.0 |
| port | Internet port of the virtual server. If not defined, a random free port will be chosen and the browser will be opened to show the GUI. |
| timeout | How long (in wall-clock time) an operation may take before returning with a timeout error. Default: no limit. |
| daemonize | logical. If TRUE, runs as daemon. |

Value

server object

Examples

```
IsoplotR()
```

| | |
|---------------------------|-----------------------------|
| <code>stopIsoplotR</code> | <i>Stop an IsoplotR GUI</i> |
|---------------------------|-----------------------------|

Description

Stop an IsoplotR GUI

Usage

```
stopIsoplotR(server = NULL)
```

Arguments

server The server (returned by `IsoplotRgui::IsoplotR()`) to stop. If not supplied all servers will be stopped.

Examples

```
s <- IsoplotR()
stopIsoplotR(s)
```

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