Package: IsoplotRgui (via r-universe)

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Title Web Interface to 'IsoplotR'

Version 7.2

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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 (>= 7.2), shinylight (>= 1.3)

License GPL-3

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

Encoding UTF-8

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NeedsCompilation no

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

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daemon *Start the* IsoplotR *GUI without exiting*

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 *Start the* IsoplotR *GUI*

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()
```

---

stopIsoplotR *Stop an* IsoplotR *GUI*

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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