## Package 'ROI.models.globalOptTests'

January 7, 2025

Type Package
Title 'ROI' Optimization Problems Based on 'globalOptTests'
Version 1.1-2
Description A collection of non-linear optimization problems with box bounds transformed into 'ROI' optimization problems.  This package provides a wrapper around the 'globalOptTests' which provides a collection of global optimization problems.  More information can be found in the 'README' file.
<b>Imports</b> ROI (>= 0.3-0), globalOptTests
Suggests Rglpk (>= 0.6-2)
License GPL-3
RoxygenNote 7.2.3
NeedsCompilation no
Author Florian Schwendinger [aut, cre]
Maintainer Florian Schwendinger <florian schwendinger@gmx.at=""></florian>
Repository CRAN
<b>Date/Publication</b> 2025-01-07 10:40:02 UTC
Contents
globopt
Index
globopt Access globalOptTests
Description

problems.

Get one or more optimization problems, meta information or a listing of the available globalOptTests

2 globopt

### Usage

### **Arguments**

Х

a character giving the names of the optimization problems to be returned, if x is "all" all available problems are returned, if x is the name of a single problem the given problem is returned. If x is missing a listing of all available problems is returned. If x is "metainfo" the meta information about the problems is returned.

#### **Examples**

```
## list all available MIPLIB-2010 problems
globopt()
## get all miplib problems
globopt("all")
## get a single problem
globopt("MieleCantrell")
## get the meta information
globopt("metainfo")
```

# **Index**

 ${\tt globopt}, {\color{red} 1}$