

Package ‘bgmfiles’

July 22, 2025

Title Example BGM Files for the Atlantis Ecosystem Model
Version 0.0.6
Description A collection of box-geometry model (BGM) files for the Atlantis ecosystem model. Atlantis is a deterministic, biogeochemical, whole-of-ecosystem model (see <<http://atlantis.cmar.csiro.au/>> for more information).
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RoxygenNote 5.0.1
Suggests testthat, covr
BugReports <https://github.com/AustralianAntarcticDivision/bgmfiles/issues/>
URL <https://github.com/AustralianAntarcticDivision/bgmfiles/>
NeedsCompilation no
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Description

Raw data files are maintained here: <https://github.com/AustralianAntarcticDivision/box-geometry-models.git>
Return the full paths to all files in the extdata/bgm/ folder of this package.

Usage

```
bgmfiles(pattern = NULL)
```

Arguments

pattern optional pattern string to filter files returned, see [list.files](#) for details

Details

This package contains a simple workflow to update from that source repo and install the raw files into extdata/ of the installed package.

Value

character vector of file paths

Examples

```
## obtain all example files installed
bfiles <- bgmfiles()
print(basename(bfiles))

## filter based on an input pattern
afiles <- bgmfiles(pattern = "^antarc")
print(basename(afiles))

## read all the text from all files and table raw characters
## (for no reason)
lapply(bfiles, function(x) table(unlist(strsplit(paste(readLines(x), collapse = ""), ""))))
```

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