

Package ‘deeptimedata’

July 22, 2025

Title Geologic Pattern Data from FGDC Used in 'deeptime'

Version 1.0.0

Maintainer William Gearty <willgearty@gmail.com>

Description Geologic pattern data from <https://ngmdb.usgs.gov/fgdc_gds/geolsymstd.php>. Access functions are provided in the accompanying package 'deeptime'.

URL <http://williamgearty.com/deeptimedata/>,
<https://github.com/willgearty/deeptimedata>

BugReports <https://github.com/willgearty/deeptimedata/issues>

Depends R (>= 2.10)

License GPL (>= 3)

Encoding UTF-8

RoxygenNote 7.3.2

LazyData true

Suggests grImport2, rsvg, usethis

NeedsCompilation no

Author William Gearty [aut, cre, cph] (ORCID:
<<https://orcid.org/0000-0003-0076-3262>>)

Repository CRAN

Date/Publication 2024-10-25 09:30:02 UTC

Contents

geo_grobs	2
Index	3

 geo_grobs

FGDC Geologic Pattern Data

Description

Geologic map and lithology patterns as defined in the [FGDC Digital Cartographic Standard for Geologic Map Symbolization](#) by the U.S. Geological Survey and the [Geologic Data Subcommittee \(GDS\)](#) of the [Federal Geographic Data Committee \(FGDC\)](#). `deeptime::geo_grob()` and `deeptime::geo_pattern()` should be used to retrieve and modify an individual pattern as a `grob` object or `GridPattern` object, respectively.

Usage

```
geo_grobs
```

Format

A list, where each item corresponds to a geologic pattern stored as a `gTree` object as returned by `grImport2::pictureGrob()`. The names of the list correspond to the pattern codes.

Details

For specific pattern codes, see the "pattern numbers" in the [full pattern chart](#). Daven Quinn has also assembled more accessible documentation of the [map patterns/codes](#) and [lithology patterns/codes](#). `rmacrostrat::def_lithologies()` can also be used to look up pattern codes for various lithologies (see the "fill" column). Note that patterns associated with color variants (e.g., "101-M") are not included but can be created using `deeptime::geo_grob()`.

These patterns were originally processed and optimized by Daven Quinn and are hosted on [GitHub](#).

Source

https://ngmdb.usgs.gov/fgdc_gds/geolsymstd.php via <https://github.com/davenquinn/geologic-patterns>

Index

* **datasets**

geo_grobs, [2](#)

deeptime::geo_grob(), [2](#)

deeptime::geo_pattern(), [2](#)

geo_grobs, [2](#)

GridPattern, [2](#)

grImport2::pictureGrob(), [2](#)

grob, [2](#)

gTree, [2](#)

rmacrostrat::def_lithologies(), [2](#)