

Package: deeptimedata (via r-universe)

June 6, 2026

Title Geologic Pattern Data from FGDC Used in 'deeptime'

Version 1.0.0

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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

Roxygen list(markdown = TRUE)

Repository <https://r-multiverse-staging.r-universe.dev>

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RemoteUrl <https://github.com/willgearty/deeptimedata>

RemoteRef 7f1d9e301bac0d580f93c168328ef2aaad490aca

RemoteSha 7f1d9e301bac0d580f93c168328ef2aaad490aca

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`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 \(FGDC\)](#). `deptime::geo_grob()` and `deptime::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 `deptime::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>

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