
heat1d Documentation

Release 0.1.4

Paul O. Hayne

Jul 19, 2019

Contents

1	heat1d	3
1.1	Features	3
1.2	Installation	3
1.3	Credits	3
2	Installation	5
2.1	Stable release	5
2.2	From sources	5
3	Usage	7
4	Credits	9
4.1	Original Development	9
4.2	Package Maintainer	9
5	History	11
5.1	0.1.0 (2019-05-21)	11
6	Indices and tables	13

Contents:

Thermal model for planetary science applications (Python version)

- Free software: MIT license
- Documentation: <https://heat1d.readthedocs.io>.

See the [notebook](#) for an example.

1.1 Features

- Modeling 1D heat transfer in planetary surfaces
- Provides library of required planetary surface parameters
- Plotting helpers (see [notebook](#))

1.2 Installation

```
pip install heat1d
```

1.3 Credits

Author: P. Hayne

Package maintainer: K.-Michael Aye

This package was created with [Cookiecutter](#) and the forked [michaelaye/cookiecutter-pypackage-conda](#) project template.

2.1 Stable release

To install `heatld`, run this command in your terminal:

```
$ pip install heatld
```

This is the preferred method to install `heatld`, as it will always install the most recent stable release.

If you don't have `pip` installed, this [Python installation guide](#) can guide you through the process.

2.2 From sources

The sources for `heatld` can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/phayne/heatld
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/phayne/heatld/tarball/master
```

Once you have a copy of the source, you can install it with:

```
$ python setup.py install
```


CHAPTER 3

Usage

To use `heat1d` in a project:

```
import heat1d
```


4.1 Original Development

- Paul O. Hayne <paul.hayne@lasp.colorado.edu>, 2017

4.2 Package Maintainer

- K.-Michael Aye <kmichael.aye@gmail.com>, 2019

5.1 0.1.0 (2019-05-21)

- First release on PyPI.

CHAPTER 6

Indices and tables

- `genindex`
- `modindex`
- `search`