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# Ytopt Documentation

*Release alpha v0.0.1*

**ArgonneMCS**

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## 1.1 Installation

### 1.1.1 Local

### 1.1.2 Contribute to documentation

#### Installation

```
source activate ENV_NAME
pip install -U Sphinx
pip install sphinx_bootstrap_theme
```

## Build

To build the documentation you just need to be in the `deephyper/doc` folder and run `make html` assuming you have MakeFile installed on your computer. Then you can see the build documentation inside the `doc/_build` folder just by opening the `index.html` file with your web browser.

## Useful informations

The documentation is made with Sphinx and the following extensions are used :

| Extensions  |                                                               |
|-------------|---------------------------------------------------------------|
| Name        | Description                                                   |
| autodoc     | automatically insert docstrings from modules                  |
| napoleon    | inline code documentation                                     |
| doctest     | automatically test code snippets in doctest blocks            |
| intersphinx | link between Sphinx documentation of different projects       |
| todo        | write “todo” entries that can be shown or hidden on build     |
| coverage    | checks for documentation coverage                             |
| mathjax     | include math, rendered in the browser by MathJax              |
| ifconfig    | conditional inclusion of content based on config values       |
| viewcode    | include links to the source code of documented Python objects |
| githubpages | create .nojekyll file to publish the document on GitHub pages |

Sphinx uses reStructuredText files, click on this [link](#) if you want to have an overview of the corresponding syntax and mechanism.

<aside class=“notice”> Our documentation try to take part of the inline documentation in the code to auto-generate documentation from it. For that reason we highly recommend you to follow specific rules when writing inline documentation : [https://sphinxcontrib-napoleon.readthedocs.io/en/latest/example\\_google.html](https://sphinxcontrib-napoleon.readthedocs.io/en/latest/example_google.html). </aside>

## 1.2 Running locally

## 1.3 Search

## 1.4 Tests

For automatic tests in deephyper we choosed to use the pytest framework: [pytest official website](#).

### 1.4.1 Install Pytest

```
pip install -U pytest
```

### 1.4.2 Run Tests

```
cd deephyper/tests/  
pytest
```

## 1.5 Indices and tables

- [genindex](#)
- [modindex](#)
- [search](#)

## 1.6 Doc todo list



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