pyqg Documentation

Release 0.1

PyQG team

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CONTENTS

The PyQG team aims to build a "git generation" community quasi-geostrophic model in Python. Ideally, PyQG will be a tool that is easy-to-use, high-level and unit-tested.

Please note the following about this project:

- PyQG is in its birth, and its a side-project of its core developers.
- ...

CHAPTER

ONE

REQUIREMENTS

PyQG assumes you have python installed on your computer. The only strict requirement is *numpy*, but it is convenient to install *matplotlib*, *scipy* and *mkl*. We strongly encourage you to get python from pre-cooked distributions such as anaconda and canopy

To speed-up calculations, you can install

- pyfftw
- ...

These are easily installed in anaconda or canopy. For example

```
$ conda install pyfftw
```

CHAPTER

TWO

INSTALLATION

You can download PyQG form its repository. If you use git, you can simply clone it

```
$ git clone https://github.com/rabernat/pyqg.git
```

You should install PyQG on your system:

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

If you want to make changes in the code, set up the development mode:

```
$ python setup.py develop
```