

Installing healpy via Anaconda

Installing in the computer:

1. Download the Anaconda installer¹ in: <https://www.continuum.io/downloads>
2. Enter the directory where the installer were saved and install Anaconda using the comand:

```
$ bash name_of_installer.sh
```

(name_of_installer is the name of the Anaconda installer you downloaded)

Note that a directory will be created in your home. For example, in my computer Anaconda is installed in: /home/camila/anaconda3

3. Open the .bashrc file², using for example:

```
$ gedit .bashrc
```

Confirm if something similar to the following lines appear at the end of this file:

```
# added by Anaconda3 4.2.0 installer
export PATH="/home/camila/anaconda3/bin:$PATH"
```

If not, add these lines. Remember to check if the path of the anaconda3 folder is correct.

Then, save the changes and close the .bashrc file.

4. In the terminal write:

```
$ source .bashrc
```

or just close the terminal and open it again. This way the new .bashrc file will be loaded.

5. For some versions of Anaconda, healpy package can be installed using the command:

```
$ conda install -c conda-forge healpy=1.9.1
```

If this is not working, try:

```
$ conda install -c openastronomy healpy=1.9.1
```

¹Chose the installer more appropriate to you operational system.

²You can use the editor you prefer. In the example I am using gedit.

6. Finally, install the spyder editor using Anaconda:

```
$ conda install -c anaconda spyder=3.1.4
```

If you open spyder from the terminal, you should be able to import healpy inside spyder. Test it with the following command in the line command of spyder (on the bottom right):

```
[1] import healpy
```

If no error messages appear, spyder is correctly importing healpy³!

Installing in the server:

You can copy the Anaconda installer to your account in any of the servers and follow the same 6 steps described before.

If you are using **coaa00** server, note that Anaconda is already installed. In this case you can still install it in your home, following the procedures described before.

However, since it is already installed, another possibility is to create the Anaconda environment in your account. For this you just need to logging into the coaa00 server, and use the following commands in the terminal:

```
$ conda create -name conda_env python=3
```

And to activate it:

```
$ source activate conda_env
```

Note that "conda_env" is a generic name, it can be any name you choose.

After that you can install healpy and spyder starting from step [5].

³Installing healpy via Anaconda automatically install also matplotlib, than you do not have to worry about installing it