

How to : Install VTK CAMera for mm

3 June 2016

Requisite:

- $2.7 \geq \text{Python} \geq 3.0$
- $\text{VTK} \geq 6.0$
- Python VTK wrapper
- f2py

Contents

1	(Optional) Desinstall older version of vtkam	1
2	Check Python Path	1
3	Add vtkam package to Python Path	1
4	Install vtkam	2
5	Use vtkam	2

1 (Optional) Desinstall older version of vtkam

If you have install former vtkam version, the package has been installed by default to a similar path :
/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/site-packages/
If so, remove former vtkam package and its associate .egg from the last directory

2 Check Python Path

The Python path will allow python to find the vtkam package installation directory.
Before installing vtkam, your PYTHONPATH should look something like :

```
echo $ PYTHONPATH
:/VTK/Wrapping/Python:/VTK/lib/:
```

3 Add vtkam package to Python Path

Now, your PYTHONPATH should look something like :

```
echo $ PYTHONPATH
:/VTK/Wrapping/Python:/VTK/lib/:
/VTK/bin:/Users/Laurent/Documents/MicroMegas/SVN/src/oultis/vtkam/install/lib/python
```

... if the installation directory was called 'install'. It should be followed by '/lib/python'

4 Install vtkam

Go into the src directory of vtkam, usually `/src/ouutils/vtkam/` then,

```
python setup.py install --home=/Your/Installation/Directory (here: ./install)
```

Note : the shell script 'install.sh' in `/src/ouutils/vtkam/` install vtkam in the `src/ouutils/vtkam/install` directory and add the path to the **PYTHONPATH**

5 Use vtkam

You can use vtkam from any 1st subfolder of your mm directory (bin, in, out, Project,...) by doing :

`import vtkam.vtkam` in your python environment.

or use `python vtkam_start.py` in the bin folder