

Systems Note 38

Mayavi Package on Linux

Hardware - Mac mini (2018)

OS - macOS Catalina 10.15.5

Emulation - VirtualBox 6.1.12 r139181 (Qt5.6.3) at install time

Emulated OS - Ubuntu 20

In ubuntu `uname -a` shows Linux 5.4.0-42-generic #46-Ubuntu SMP Fri Jul 10 2020 x86_64 x3 GNU/Linux

In terminal to enter the pyenv version created in Note27

```
cd ~/jn_production
```

To enter the environment created in Note28

```
pipenv shell
```

```
sudo apt install meson libcairo2-dev ninja-build libsdl-pango-dev libpango1.0-dev libsdl-pango1 libsdl1.2-dev
```

```
git clone https://gitlab.gnome.org/GNOME/gtk
```

```
cd gtk
```

```
meson _build .
```

```
pipenv install QtPy Pyface
```

```
sudo apt install qt5-qmake
```

```
pipenv install PyQt5 Pyside2
```

```
sudo apt install cmake libavcodec-dev libavformat-dev libavutil-dev libboost-dev libdouble-conversion-dev libeigen3-dev libexpat1-dev libfontconfig-dev libfreetype6-dev libgdal-dev libglew-dev libhdf5-dev libjpeg-dev libjsoncpp-dev liblz4-dev liblzma-dev libnetcdf-dev libnetcdf-cxx-legacy-dev libogg-dev libpng-dev libpython3-dev libqt5opengl5-dev libqt5x11extras5-dev libsqlite3-dev libswscale-dev libtheora-dev libtiff-dev libxml2-dev libxt-dev qtbase5-dev qtools5-dev zlib1g-dev
```

```
Pipenv install mayavi
```