

## ⑥. ipython notebook

- 概要: プログラムを対話型で記録できる汎用型のメモ帳。

- インストール方法

```
# apt-get install ipython ipython-notebook
```

- 運用方法

```
# cd 使用するディレクトリ
```

```
# ipython notebook      ipython起動
```

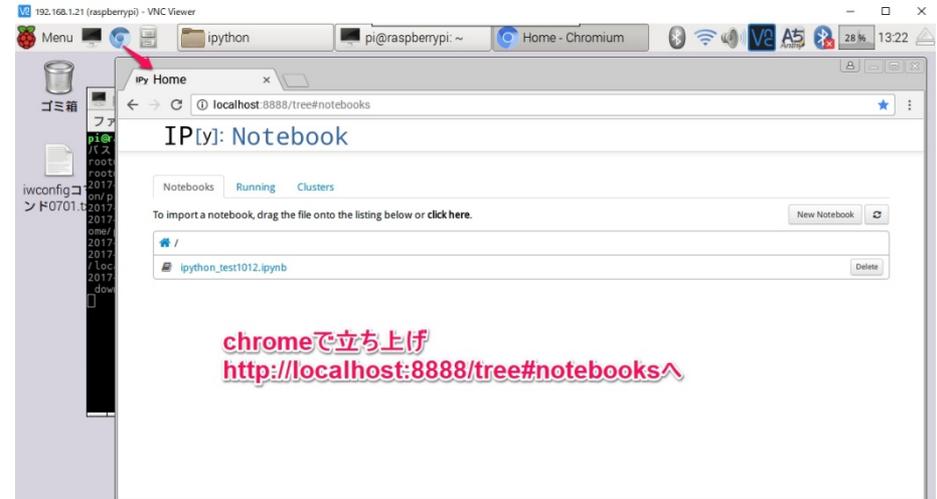
chromeブラウザを起動し、<http://localhost:8888/tree#notebooks>

セルにプログラムを記載して▶でrun, 結果がそのノート上に表示、グラフの出力も可能

```
pi@raspberrypi: ~
ファイル(F) 編集(E) タブ(T) ヘルプ(H)
pi@raspberrypi: ~$ su -
root@raspberrypi: ~# cd /home/pi/Documents/python/ipython
root@raspberrypi: /home/pi/Documents/python/ipython# ipython notebook
2017-10-13 13:18:06.275 [NotebookApp] Using existing profile dir: /root/.ipython/profile_default
2017-10-13 13:18:06.292 [NotebookApp] Using system MathJax
2017-10-13 13:18:06.344 [NotebookApp] Serving notebooks from local directory: /home/pi/Documents/python/ipython
2017-10-13 13:18:06.345 [NotebookApp] 0.0.0
2017-10-13 13:18:06.345 [NotebookApp] The IPython Notebook is running at: http://localhost:8888/
2017-10-13 13:18:06.345 [NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
```

cd /working dir

ipython notebook



chromeで立ち上げ  
<http://localhost:8888/tree#notebooks>

# ⑥. ipython notebook

## • 運用方法

- chromeのブラウザから操作
- プログラムを入力し▶を押すだけ

The image displays two screenshots of an IPython Notebook interface. The left screenshot shows the notebook with code cells and red annotations: "1.test プログラム" with an arrow pointing to the first cell, "文字記載" with an arrow pointing to the code text, "プログラム作成" with an arrow pointing to the code text, and "結果" with an arrow pointing to the output "3.0". The right screenshot shows the notebook displaying a 3D scatter plot and a 2D line graph, with a red arrow pointing to the 3D plot and the text "グラフも表示".