

# New linux setup

## 1. IP:

```
10.11.0.62    ac
10.11.0.153   bl
#canada
142.150.188.54 ca
#NAOC
124.118.31.146 hlx
159.226.170.75 fat
```

## 2. vi .bashrc(linux) or .bash\_profile (for mac)

```
alias vi="vim"
alias ssh="ssh -XY"
```

```
export LD_LIBRARY_PATH="$LD_LIBRARY_PATH:/home/nch/sigpyproc/lib/c/"
export PATH="/home/nch/sigpyproc/src:$PATH"
export PYTHONPATH="$PYTHONPATH:/home/nch/sigpyproc/"
```

## 3 . Code Program install

### 3.1 linux (Ubuntu)

```
sudo apt-get install terminator

sudo apt-get install python-ipython
sudo apt-get install python-pip
sudo apt-get install python-matplotlib
sudo apt-get install python-numpy
sudp apt-get install python-scipy
sudo apt-get install python-mpi4py
sudo apt-get install python-astropy

sudo apt-get install ruby
sudo apt-get install iruby

sudo apt-get install mpich
```

### 3.2 MacOS:

```
brew install :
/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

```
brew install ipython
brew install python-pip
```

```
...
gcc install:
brew install gcc --without-multilib

rm /usr/bin/gcc
rm /usr/bin/g++
rm /usr/bin/c++
rm /usr/bin/cpp
rm /usr/bin/cc
ln -s /usr/local/Cellar/gcc/6.3.0_1/bin/gcc-6
ln -s /usr/local/Cellar/gcc/6.3.0_1/bin/g++-6
ln -s /usr/local/Cellar/gcc/6.3.0_1/bin/cpp-6
ln -s /usr/local/Cellar/gcc/6.3.0_1/bin/c++-6
ln -s /usr/local/Cellar/gcc/6.3.0_1/bin/cc-6
/usr/bin/gcc
/usr/bin/g++
/usr/bin/cpp
/usr/bin/c++
/usr/bin/cc
```

#### 4. Vim environment config:

<http://www.cnblogs.com/yjmyzz/p/4019783.html>

```
brew install vim
vi /usr/share/vim/vimrc
set hlsearch (搜索高亮)
syntax on (coding environment)
set nu! (optical)
au BufReadPost * if line("\") > 0|if line("\") <= line("$)|exe("norm \")|else|exe "norm $"|endif|
endif (回到上次打开的位置, 可在/etc/vim/vimrc 中设置)
```

#### 5. SSH configure:

```
ssh alive :
vi .ssh/config
ServerAliveInterval 60
ssh log without key:
ssh-keygen(always return)
copy id_rsa.pub to the server you want log without key,
and cat the id_rsa.pub >> authorized_keys
```