

1. 打开 bash 对话框输入:

wget http://www.eas.slu.edu/eqc/eqc_cps/Download/NP330.Oct-26-2023.tgz

2. 继续输入: `tar -xzf /home/gk/NP330.Oct-26-2023.tgz -C /home/gk`
注意 gk 是文件夹名字可以更改, NP330.Oct-26-2023.tgz 也会更新

3. 继续输入: `cd PROGRAMS.330`

4. 继续输入: `./Setup`

```
[gk@localhost ~]$ cd PROGRAMS.330
[gk@localhost PROGRAMS.330]$ ./Setup
Checking for existence of bin and lib directories
Creating Directory bin
Creating Directory lib
Usage: ./Setup LINUX6440 | OSXMM | OSXIntel
  LINUX6440  AMD/Intel Linux 64 bit with gcc/gfortran compilers
  OSXIntel   Apple Intel 64-bit gcc/gfortran compilers
  OSXMM      Apple M1/M2 64-bit gcc/gfortran compilers
----- OLDER NOT TESTED -----
----- deprecated since most computers are now 64bit e -----
  OSX40      Apple with 64-bit gcc/gfortran compilers
  LINUX40     Linux with gcc/gfortran compilers
  OSX40-32    Apple with 32-bit gcc/gfortran compilers
----- not tested in a long while -----
  CYGWIN      CYGWIN 98/NT/2K/XP gcc/g77 Compilers
  CYGWIN40    CYGWIN 98/NT/2K/XP gcc/gfortran Compilers
[gk@localhost PROGRAMS.330]$
```

5. 继续输入: `uname -a`

```
[gk@localhost PROGRAMS.330]$ uname -a
Linux localhost.localdomain 3.10.0-1160.105.1.el7.x86_64 #1 SMP Thu Dec 7 15:3
9:45 UTC 2023 x86_64 x86_64 x86_64 GNU/Linux
[gk@localhost PROGRAMS.330]$
```

此处我的系统用 X86 Linux

6. 继续输入: `gcc --version` 按回车再输入 `gfortran --version` 得到

```
[gk@localhost PROGRAMS.330]$ gcc --version
gcc (GCC) 11.2.1 20220127 (Red Hat 11.2.1-9)
Copyright (C) 2021 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

[gk@localhost PROGRAMS.330]$ gfortran --version
GNU Fortran (GCC) 11.2.1 20220127 (Red Hat 11.2.1-9)
Copyright (C) 2021 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

[gk@localhost PROGRAMS.330]$
```

7. (此步骤可以不需要) 安装 g77/新版 gcc/新版 gfortran 参考博客

https://blog.csdn.net/qq_45316173/article/details/122018354

8. 查看自己的 gcc/g77/gfortran 版本选择合适的 Linux 版本(详细见
CPSInstall.pdf 第 6, 7 页): 此处我选择输入: `./Setup LINUX40`

```

[root@localhost PROGRAMS.330] # ./Setup
Checking for existence of bin and lib directories
Directory bin exists
Directory lib exists
Usage: ./Setup LINUX6440 | OSX6440 | OSXIntel
LINUX6440 AMD/Intel Linux 64 bit with gcc/gfortran compilers
OSXIntel Apple Intel 64-bit gcc/gfortran compilers
OSX6440 Apple M1/M2 64-bit gcc/gfortran compilers
----- OLDER NOT TESTED -----
----- deprecated since most computers are now 64bit -----
OSX40 Apple with 64-bit gcc/gfortran compilers
LINUX40 Linux with gcc/gfortran compilers
OSX40-32 Apple with 32-bit gcc/gfortran compilers
----- not tested in a long while -----
CYGWIN CYGWIN 98/NT/2K/XP gcc/g77 Compilers
CYGWIN40 CYGWIN 98/NT/2K/XP gcc/gfortran Compilers
[root@localhost PROGRAMS.330] # ./Setup LINUX40
Checking for existence of bin and lib directories
Directory bin exists
Directory lib exists
Linux gcc4.? gfortran
Copying VOLI/src/Makefile.LNX40 VOLI/src/Makefile
Copying VOLII/src/Makefile.LNX40 VOLII/src/Makefile
Copying VOLIII/src/Makefile.LNX40 VOLIII/src/Makefile
Copying VOLIV/src/Makefile.LNX40 VOLIV/src/Makefile
Copying VOLV/src/Makefile.LNX40 VOLV/src/Makefile
Copying VOLVI/src/Makefile.LNX40 VOLVI/src/Makefile
Copying VOLVII/src/Makefile.LNX40 VOLVII/src/Makefile

```

9. 继续输入: `sudo yum install ncurses-devel`

10. 输入: `./C` 来确认是否安装完成

```

mousewget.o msgbox.o textbox.o ui_getc.o util.o version.o
ranlib libdialog.a
gcc -g -O2 -D_GNU_SOURCE -DHAVE_CONFIG_H -I. -I. -DLOCAL
/locale/" -c dialog.c
gcc -o dialog dialog.o -L. -ldialog -lncurses -lm -L/li
making clean
rm -f *.cov *.da *.bb *.bbg
rm -f *.i *.o libdialog.a dialog
rm -f headers.sed
rm -f core *~ tags TAGS
Compile of Computer Programs in Seismology is Over
152 programs were compiled
[ggk@localhost PROGRAMS.330] $

```

11. #打开 `~/.bash_profile` 文件: 在 bash 输入: `nano ~/.bash_profile`

在文件末尾添加以下行

`PATH=$PATH:/home/rbh/PROGRAMS.330/bin`

`export PATH`

如果使用 nano, 请按 Ctrl+X, 然后按 Y 确认, 最后按 Enter 退出

重新加载 `.bash_profile`

`source ~/.bash_profile`

12. 检查：在 bash 输入：which calxvig plotxvig surf96

```
[gk@localhost PROGRAMS.330]$ source ~/.bash_profile
[gk@localhost PROGRAMS.330]$ which calxvig plotxvig surf96
~/PROGRAMS.330/bin/calxvig
~/PROGRAMS.330/bin/plotxvig
~/PROGRAMS.330/bin/surf96
[gk@localhost PROGRAMS.330]$
```

13. 重新打开一个终端，在 bash 中输入：

sudo cp /home/gk/PROGRAMS.330/bin/* /usr/local/bin/

按回车运行后再输入：sudo cp /home/gk/PROGRAMS.330/bin/* /usr/bin/