编译源码时需要安装若干软件包，对于Ubuntu/Debian：

```
$ sudo apt update
$ sudo apt install build-essential
$ sudo apt install libncurses5-dev libsm-dev libice-dev
$ sudo apt install libxpm-dev libx11-dev zlib1g-dev
$ sudo apt install libedit-dev libxml2-dev libcurl4-openssl-dev
```

将源码按如下命令解压、配置、编译、安装：

```
$ tar -xvf sac-102.0.tar.gz
$ cd sac-102.0
$ mkdir build
$ cd build
$ ../configure --prefix=/usr/local/sac
$ make
$ sudo make install

#修改环境变量，打开环境变量设置文件：
vi ~/.bashrc

在末尾添加：
export SACHOME=/usr/local/sac
export SACAUX=$SACHOME/aux
export PATH=$SACHOME/bin:$PATH
```

#MAKEFILE 设置

FC=gfortran
optimize=-O
FFLAGS=$(optimize) -ffixed-line-length-none
CFLAGS=$(optimize)
#if SAC library has been installed, uncomment the next two lines
#CFLAGS=$(optimize) -DSAC_LIB
#SACLIB=-L$(SACHOME)/lib -no-pie
#SACLIB=-L$(SACHOME)/lib -lsac -lsacio -no-pie
#

SUBS = fft.o Complex.o sacio.o
FKSUBS = fk.o kernel.o prop.o source.o bessel.o $(SUBS)
TARGETS = fk syn st_fk trav sachd fk2mt

all: $(TARGETS)

syn: syn.o ${SUBS} radiats.o futterman.o
    ${LINK.f} -o $@ $^ ${SACLIB} -lm

fk: ${FKSUBS} haskell.o
    ${LINK.f} -o $@ $^ -lm

st_fk: ${FKSUBS} st_haskell.o
    ${LINK.f} -o $@ $^ -lm

sachd: sachd.o sacio.o
    ${LINK.c} -o $@ $^ -lm

trav: trav.o tau_p.o
    $(LINK.f) -o $@ trav.o tau_p.o -lm

fk2mt: fk2mt.o sacio.o radiats.o
    $(LINK.f) -o $@ $^ -lm

bessel.f: bessel.FF
    cpp -traditional-cpp $< > $@

clean:
    rm -f *.o bessel.f

distclean:
    rm -f $(TARGETS)

#修改环境变量
export FKHOME=/usr/fk3.3/fk
export PATH=${FKHOME}/:${PATH}