como instalar o SeisAn

baixar o arquivo com o código compilado para RedHat 7 (parece funcionar bem no Ubuntu):

```
 wget
ftp://ftp.geo.uib.no/pub/seismo/SOFTWARE/SEISAN/seisan_linux_8.2.1.tar.gz
```

baixar os dados de teste (caso queira)

```
wget ftp://ftp.geo.uib.no/pub/seismo/SOFTWARE/SEISAN/seisan_test_data.tar.gz
```

escolher um diretório para instalacao

```
cd /opt
```

descompactar o pacote

```
tar -zxvf seisan_linux_8.2.1.tar.gz
```

criar o arquivo $SEISAN/COM/SEISAN.sh e adicioná-lo ao /etc/profile ou .bashrc do usuario com as devidas alteracoes:

```
       # bash definition of SEISAN config environment file
    # 20090512
    # ================================================
    #
    # SEISAN definitions to be sourced from users .cshrc file
    #

    #
    # set platform, used for compilation, can be linux or solaris
    #
    export SEISARCH='linux'

    #
    #    set SEISAN top directory
    #
    export SEISAN_TOP='/opt/seisan_linux_8.2.1'   # top directory for data
    export SEISAN_RES='/opt/seisan_linux_8.2.1'   # top directory for
programs

    #
    # set editor
    #
    export SEISAN_EDITOR='gedit'

    #
    # rename laser printers
    #
    export PRINTER='sune-2'
```

```
export IMAGEN='sune-2'

#
# set X and Y scaling for Postscript output
#   some examples:  A4     x=0.55,y=1.0
#                   Letter x=0.55,y=0.9
#
export SEISAN_PSSCALE_X=0.55
export SEISAN_PSSCALE_Y=1.0

#
# set default data base
#
export DEF_BASE='TEST'

#
# set up search path
#

pro_path="$SEISAN_RES/PRO"
if [ $(echo $PATH | grep -c $pro_path) == 0 ];
then
   export PATH="$PATH:$pro_path"
fi

com_path="$SEISAN_RES/COM"
if [ $(echo $PATH | grep -c $com_path) == 0 ];
then
   export PATH="$PATH:$com_path"
fi

#
# aliases for SEISAN
#

alias pr='cd $SEISAN_RES/PRO'
alias li='cd $SEISAN_RES/LIB'
alias ic='cd $SEISAN_RES/INC'
alias re='cd $SEISAN_TOP/REA'
alias da='cd $SEISAN_TOP/DAT'
alias wo='cd $SEISAN_TOP/WOR'
alias wa='cd $SEISAN_TOP/WAV'
alias ca='cd $SEISAN_TOP/CAL'
alias co='cd $SEISAN_TOP/COM'
alias in='cd $SEISAN_RES/INF'
alias is='cd $SEISAN_RES/ISO'


#
# following lines are for the PITSA analysis package
#
```

```
    export PITSAHOME=$SEISAN_TOP/DAT
    export PITSA_CONFIG_PATH_ENV=$PITSAHOME/
    export PITSA_PRINTDEF_PATH_ENV=$PITSAHOME/
    export PITSA_PRINTDEF_NAME_ENV="8X11_landscape.PS"

    #
    # include seismo/LIB in LD_LIBRARY_PATH, needed by NANSEI
    #

    if [ $( echo "Z$LD_LIBRARY_PATH") == "Z" ];
    then
      export LD_LIBRARY_PATH="$SEISAN_RES/LIB"
    else
      export LD_LIBRARY_PATH="$SEISAN_RES/LIB:$LD_LIBRARY_PATH"
    fi



    #
    # set CLASSPATH for java app
    #

    if [ $( echo "Z$CLASSPATH") == "Z" ];
    then
      export CLASSPATH="$SEISAN_TOP/PRO:$SEISAN_TOP/PRO/jseisan.jar"
    else
      export
CLASSPATH="$SEISAN_TOP/PRO:$SEISAN_TOP/PRO/jseisan.jar:$CLASSPATH"
    fi

    #
    # aliases for Java tools
    #
    alias jseisan='java -DSEISAN_TOP=$SEISAN_RES -classpath
$SEISAN_TOP/PRO/jseisan.jar SEISAN'
    alias seisconf='java -DSEISAN_TOP=$SEISAN_RES -classpath
$SEISAN_TOP/PRO/jseisan.jar SEISCONF'
    alias sformat='java -DSEISAN_TOP=$SEISAN_RES -classpath
$SEISAN_TOP/PRO/sformat.jar Sformat'



    #
    # set SEISAN extension code, this variable can be used to implement
specific
    # code into SEISAN, at the moment used are:
    #                BGS
    #
    export SEISAN_EXTENSION='none'

    #
    # set SAC library file to be linked to when compiling
    #
```

```
    export SACLIB='/usr/local/sac/lib/sacio.a'
```