

```

PROGRAM reform
*****
* reformat from inverse wavenumber to meV.
* the standard input file must have the format x y (z)
* The outputfile comes as: x y
*****
REAL X(100000),Y(100000),xmn,xmx
INTEGER I,mm
character*40 flin
read(*,'(a40)') flin
read(*,*) xmn,xmx
open(23,file=flin)
mm=100000
do 10 i=1,mm
  READ(23,*,END=11) X(i),Y(i)
10  continue
  close(23)
11  mm=i-1
  do 25 i=1,mm
    if ((X(i).gt.xmn).and.(X(i).lt.xmx))
*   write(*,*) X(i)/8.0657,Y(i)
25  continue
END

```