

```

      PROGRAM e2skin
*****
* Conversion of dielectric functions to skin-depth . *
* the standard input file must have the format x eps1 eps2 *
* The outputfile comes as: x delta *
*****
      REAL X(100000),e1,e2,tpi
      complex epsil(100000),cn
      INTEGER I,mm
      tpi=8.*atan(1.)
      mm=100000
      do 10 i=1,mm
        READ(*,*,END=11) X(i),e1,e2
        epsil(i)=cmplx(e1,e2)
10      continue
11      mm=i-1
      do 25 i=1,mm
        cn=csqrt((epsil(i)))
        write(*,*) x(i),1/(x(i)*tpi*aimag(cn))
25      continue
      END

```