

```

      PROGRAM etorho
*****
* Conversion of dielectric functions to resistivity function.      *
* the standard input file must have the format x eps1 eps2      *
* The outputfile comes as: x Re(rho) Im(rho) in (Ohm cm)        *
*****
      REAL X(100000),e1,e2
      complex epsil(100000),sig,rho
      INTEGER I,mm
      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
        sig=(0,-1.)*epsil(i)*x(i)*0.5*0.0333795
        rho=1./sig
        write(*,*) x(i),real(rho),aimag(rho)
25      continue
      END

```