Eqn Rc=0.35 Eqn k=1.38e-23 Eqn nT=200 <- This is just a guess but the result barely changes

Eqn z1=stoz(S) Eqn q=1.6e-19 Eqn Ig=1e-1

Eqn Rg=real(z1(1,1))-Rs-Rc/3-nT*k/(q*Ig)

Eqn Rd=real(z1(2,2))-Rc-Rs

Eqn Rs=real(z1(1,2))-Rc/2

Eqn Lg=imag(z1(1,1))/freq-Ls

Eqn Ld=imag(z1(2,2))/freq-Ls

Eqn Ls=imag(z1(1,2))/freq