Equation

Eqn2

Rseries=Rs/EXP1

EXP1=(1-W*W*Ls*Cp)^2 +(W*Cp*Rs)^2

Xseries=(W*(-Cp*Rs*Rs+Ls*(1-W*W*Ls*Cp)))/EXP1 + W*Llead/(1-W*W*Llead*Cshunt)

ZB=(Rseries+j*Xseries)/((1-W*Cshunt*Xseries)+j*W*Cshunt*Rseries)

ZBR=real(ZB)

ZBI=imag(ZB)

Z=ZB+j*W*Llead

ZR=real(Z)

ZI=imag(Z)

dc simulation

Parameter sweep

SW1

Sim=DC1

Type=log

Param=Freq

Start=1e6

Stop=1.3e9

Points=151

Equation

Eqn1

W=2*pi*Freq

Rs=1010

Ls=10.95n

Cp=0.75p

Llead=1.5n

Cshunt=0.05p