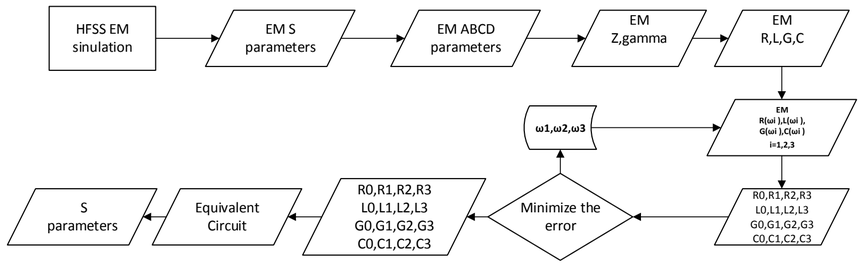
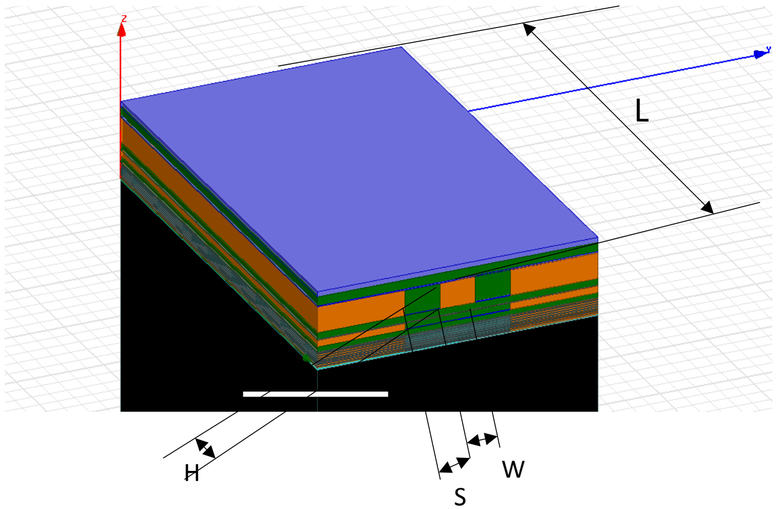
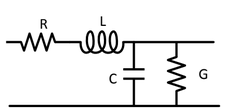
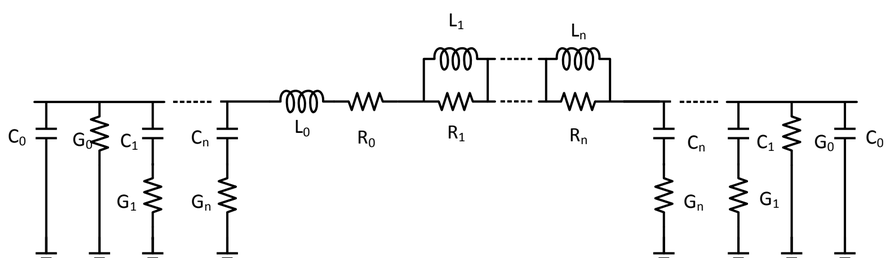
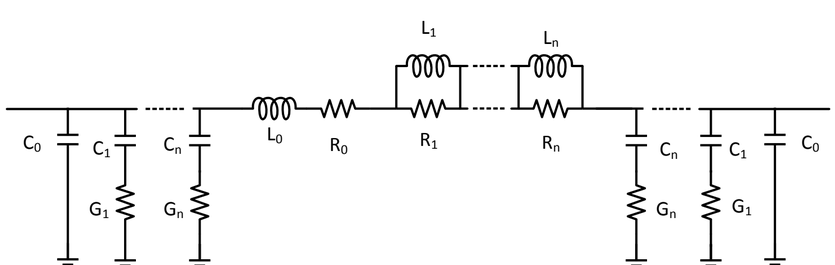
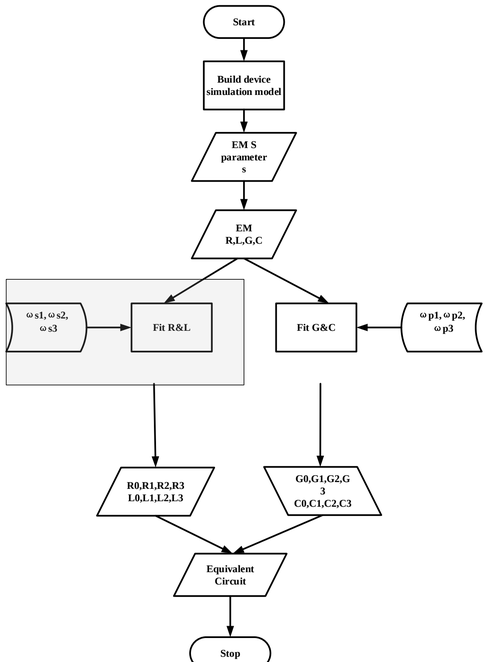

HFSS EM sinulation
EM S parameters
EM ABCD parameters
EM Z,gamma
EM R,L,G,C
ω1,ω2,ω3
EM R(ωi ),L(ωi ), G(ωi ),C(ωi ) i=1,2,3
R0,R1,R2,R3 L0,L1,L2,L3 G0,G1,G2,G3 C0,C1,C2,C3
Minimize the error
R0,R1,R2,R3 L0,L1,L2,L3 G0,G1,G2,G3 C0,C1,C2,C3
Equivalent Circuit
S parameters

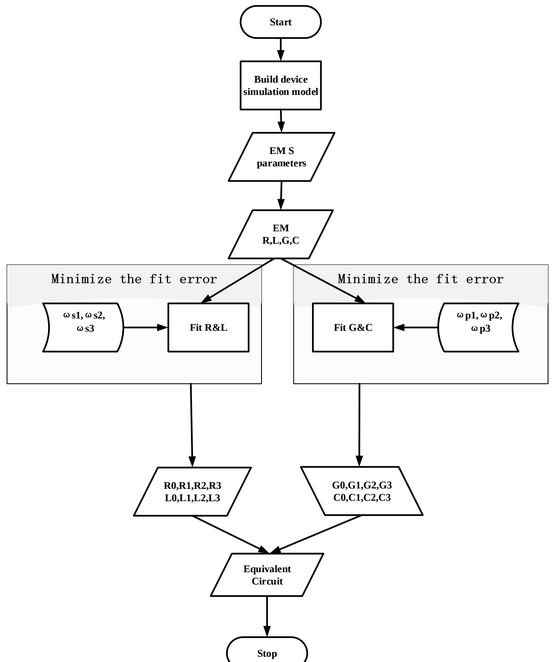

z
y
L
H
S
W

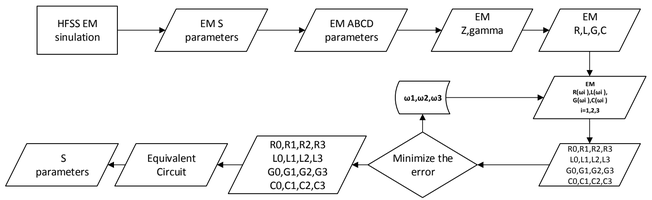

R
L
C
G


L1
Ln
C0
G0
C1
Cn
L0
R0
R1
Rn
G1
Gn

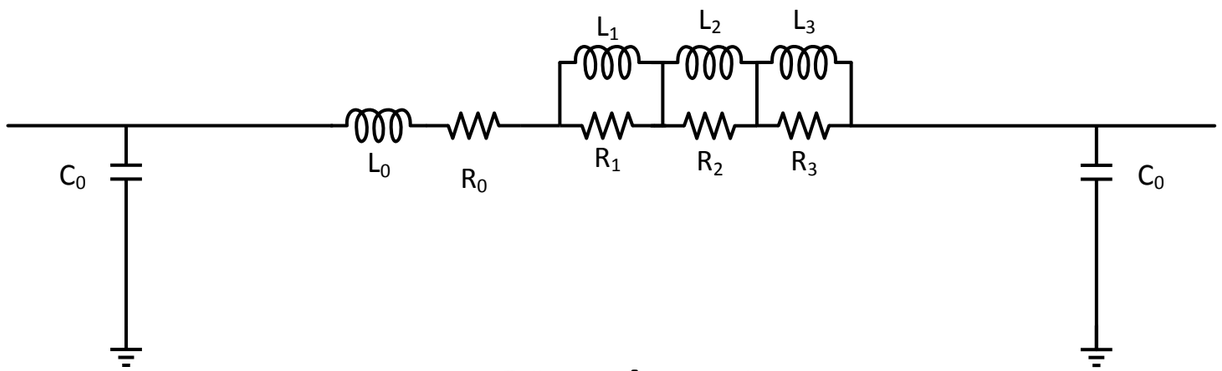

L1
Ln
C0
C1
Cn
L0
R0
R1
Rn
G1
Gn



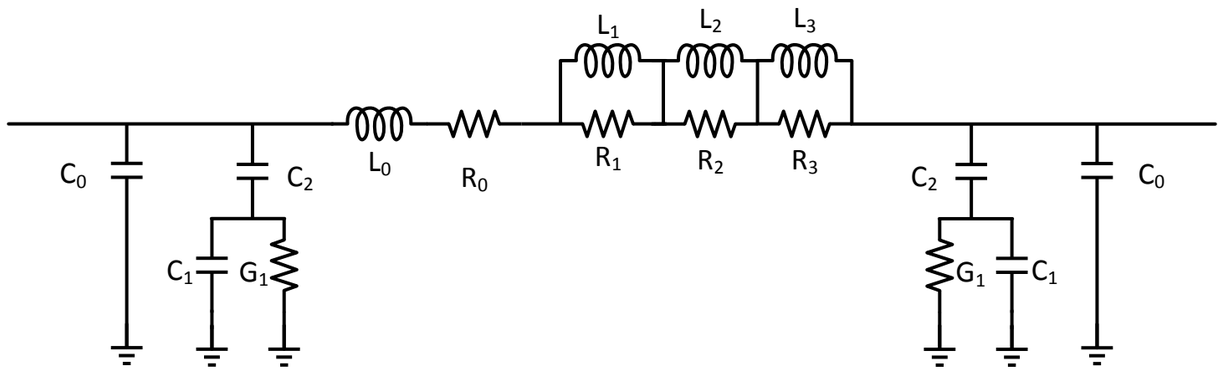




Minimize the fit error




Singlewire




singlecpw