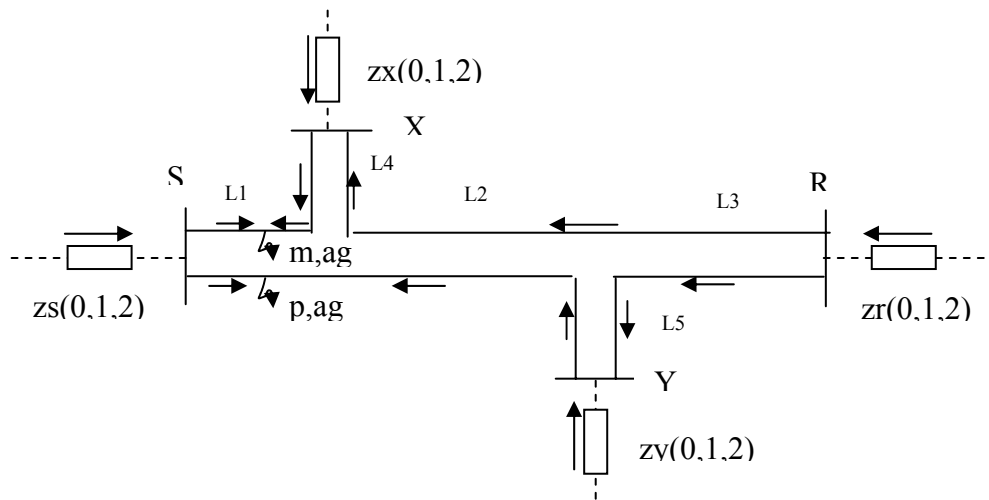


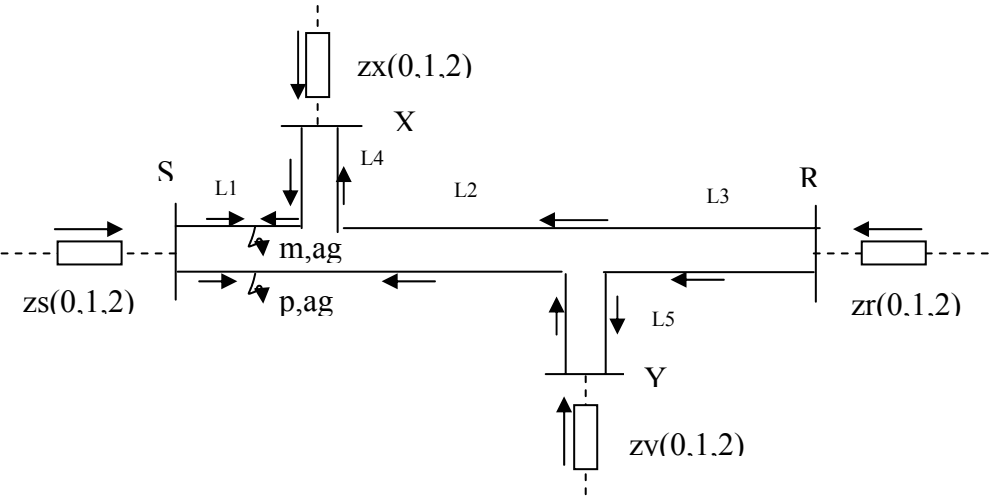
Esquema:



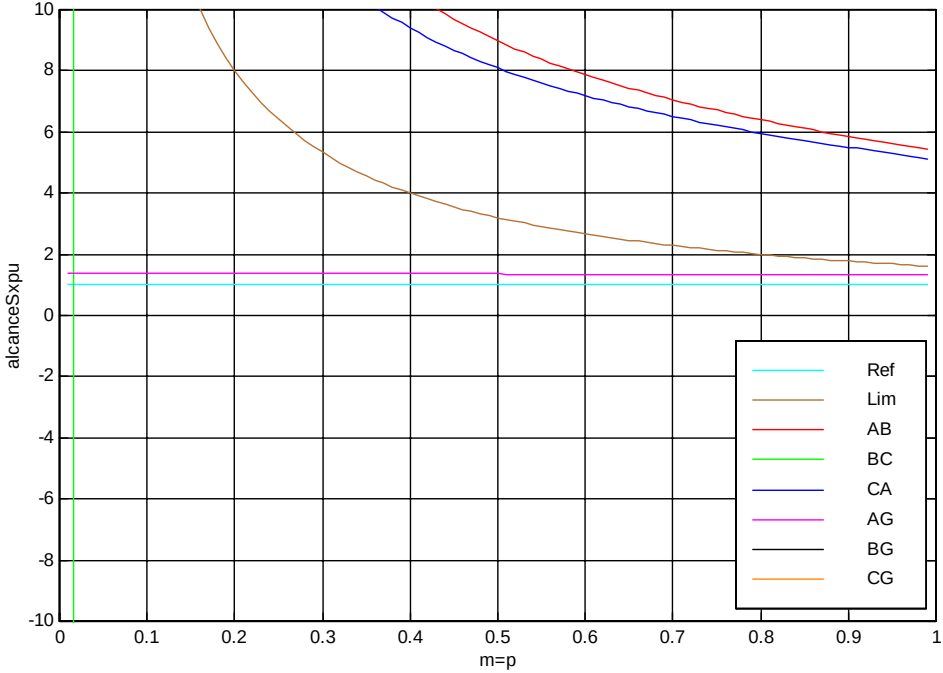
Programa	PG54ic		
Entrada Standard	Un=220 kV, kE=1, L1=100 km, L2=100 km, L3=100 km, L4=100 km, L5=100 km, Scs=5000 MVA, Sccx=5000 MVA, Sccr=5000 MVA, Sccy=5000 MVA, Kx0=1, Kr0=1, Ky0=1		
	Compensacion 21= No		
Parámetro	$k0 = z_{s0}/z_{r0} = 10$		
Falta Doble $m=p$	Falta m Tramo T1 Linea Sup	m	0 . . . 1 (Tramo)
		Tipo	ag
		Elemento	AG
		Rfm	0
		Rgm	--
	Falta p Tramo T1 Linea Inf.	p	0 . . . 1 (Tramo)
		Tipo	ag
		Elemento	AG
		Rfm	0
		Rgm	--
Salida 1	21 Todas las Unidades pu AB,BC,CA,AG,BG,CG	alcanceSxpu	e01
		alcanceSypu	e02
		alcanceXspu	e03
		alcanceYspu	e04
Salida 2	21 Todas las Unidades pua AB,BC,CA,AG,BG,CG	alcanceSxpua	f01
		alcanceSypua	f02
		alcanceXspua	f03
		alcanceYspua	f04
Salida 3	67N	Sx	n01
		Sy	n02
		Xs	n03
		Ys	n04
Salida 4	21 R-X	Sx	z01
		Sy	z02
		Xs	z03
		Ys	z04

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida e01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0

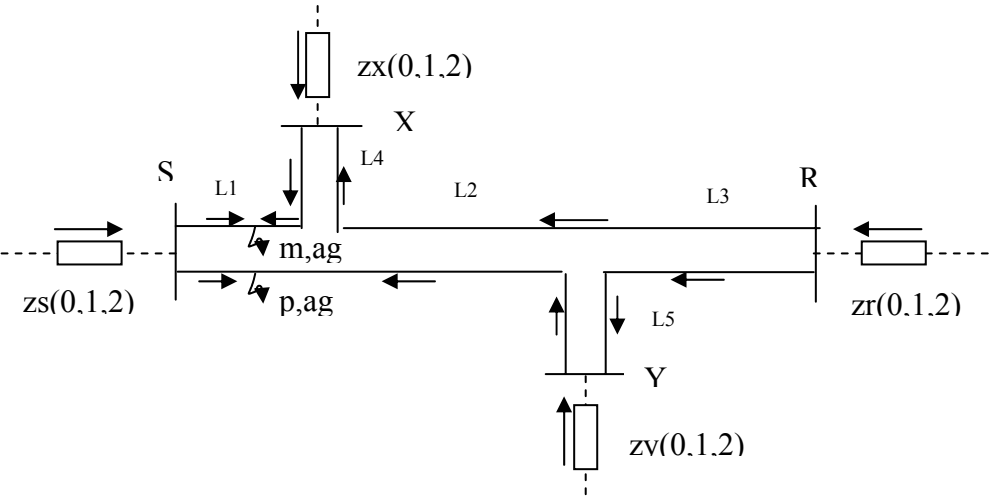


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

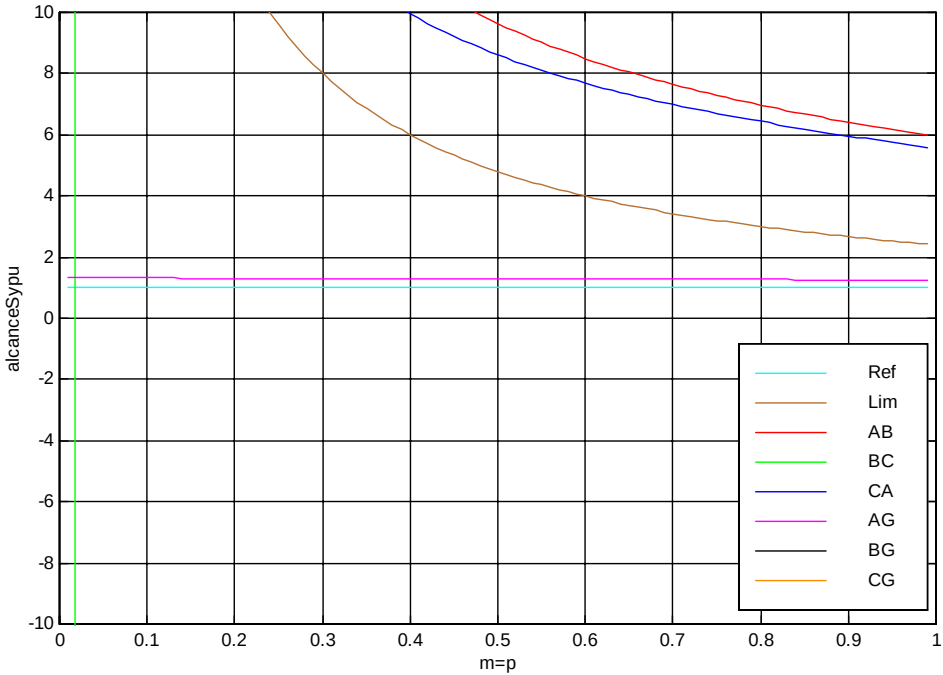
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>Tramo SE1	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida e02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0

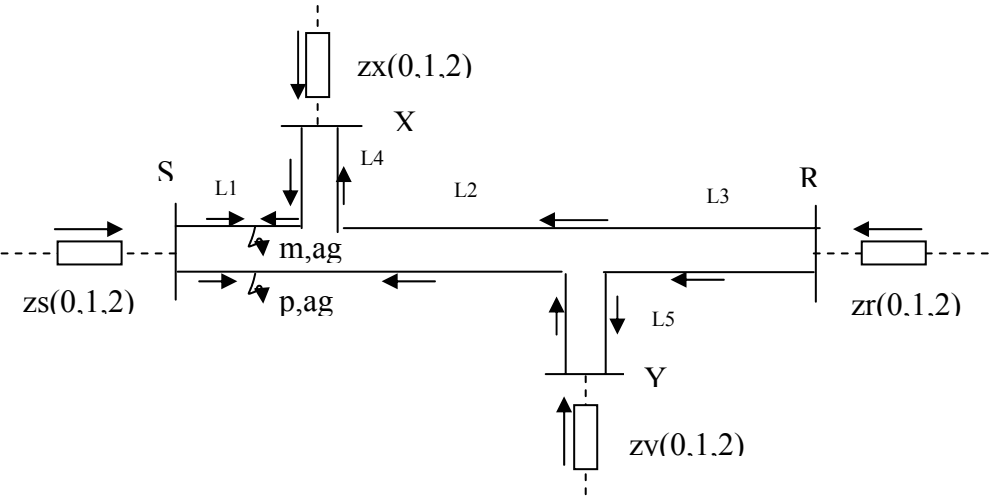


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

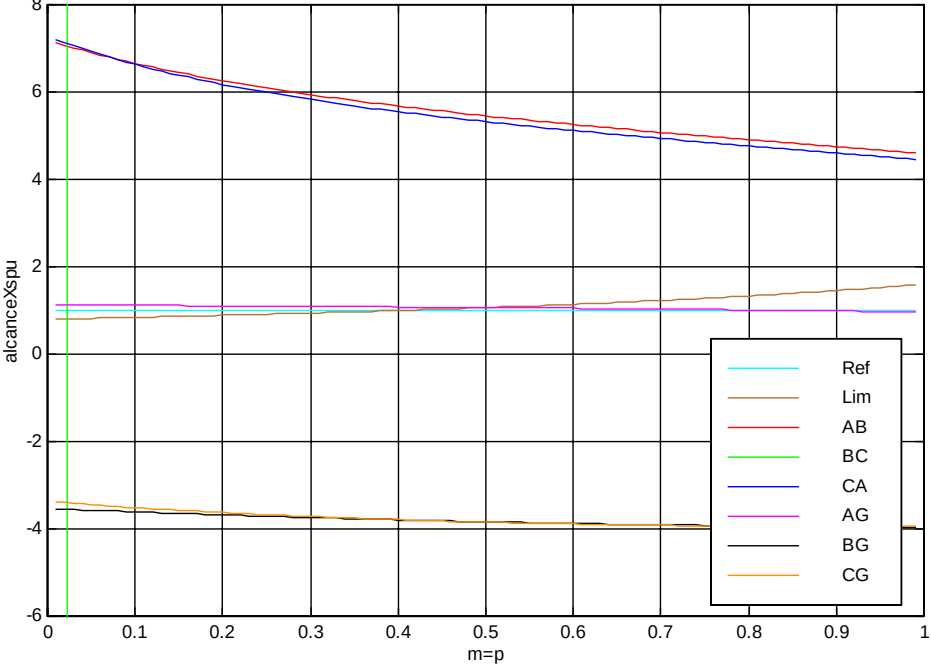
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>Tramo SE1	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida e03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0



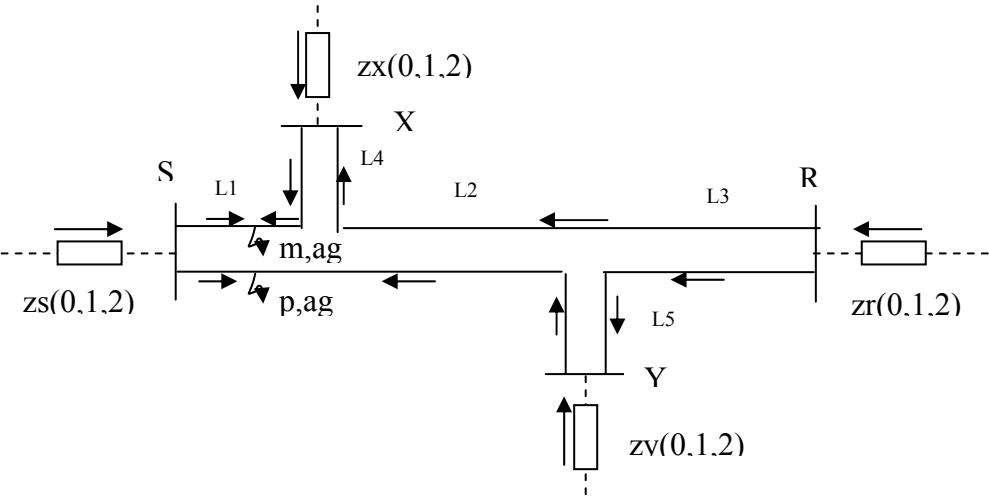
m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	0.75	--	--

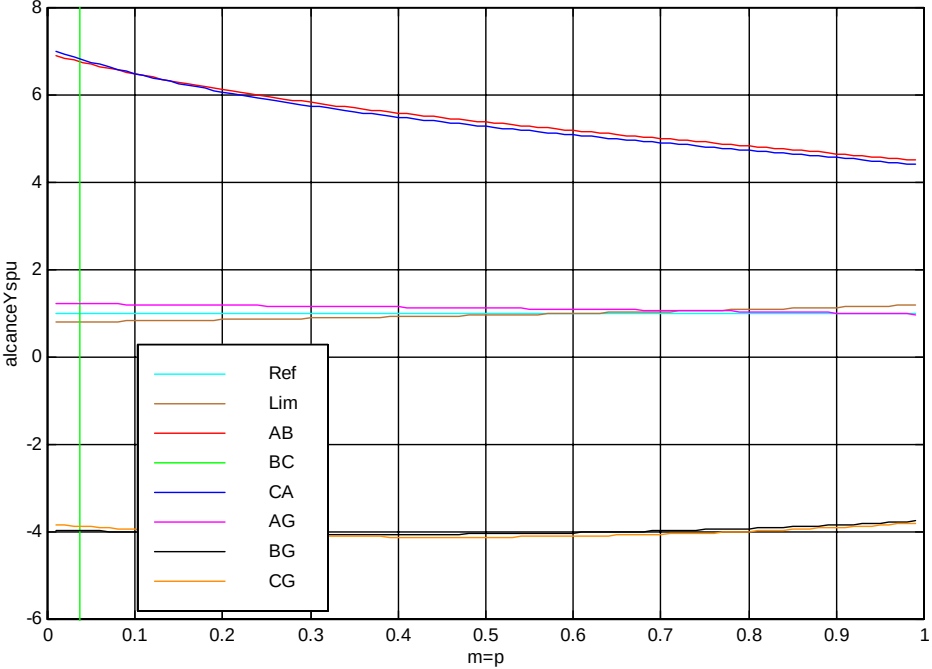
Cobertura(AG)=(100+0.50*100)/200=0.75

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida e04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0



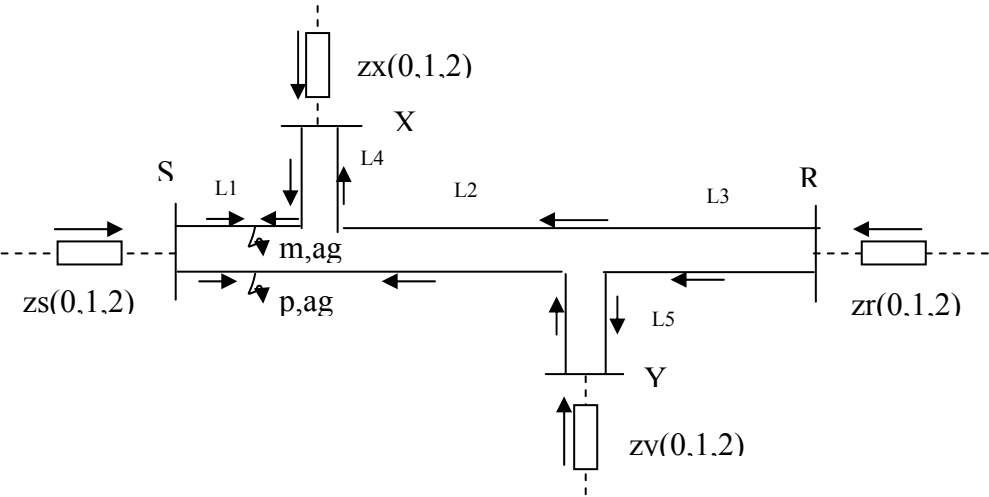
m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	0.76	--	--

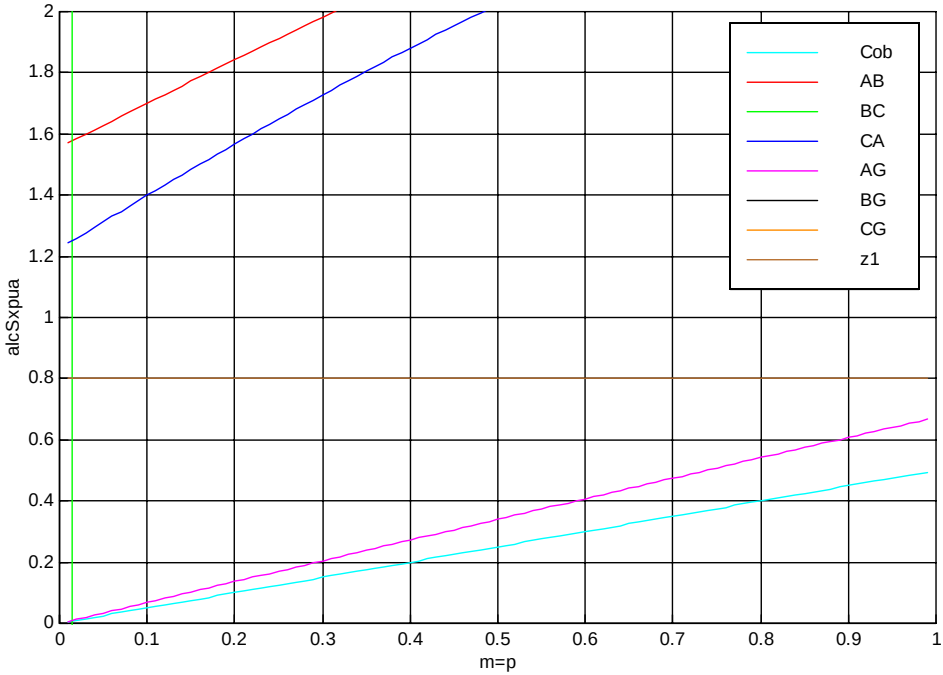
Cobertura(AG)=(100+100+0.27*100)/300=0.76

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida f01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Scx=5000 ,Scr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0

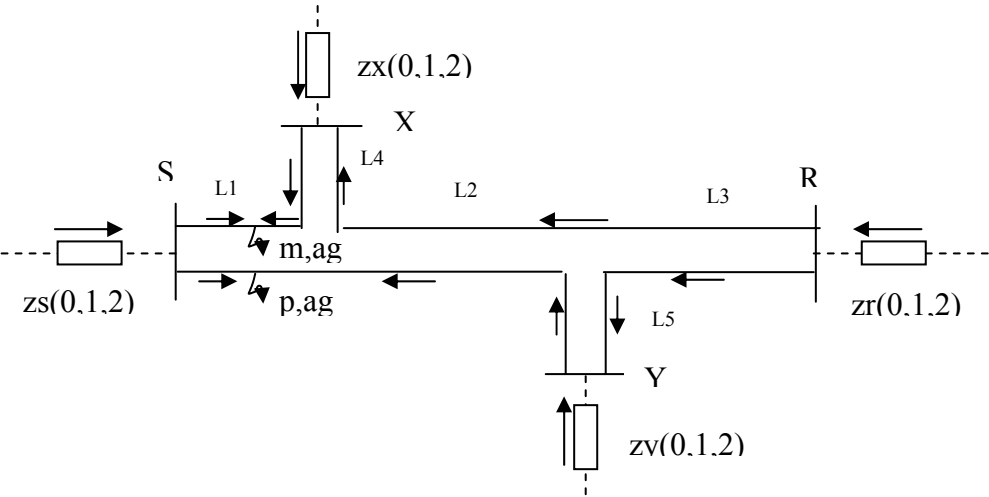


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

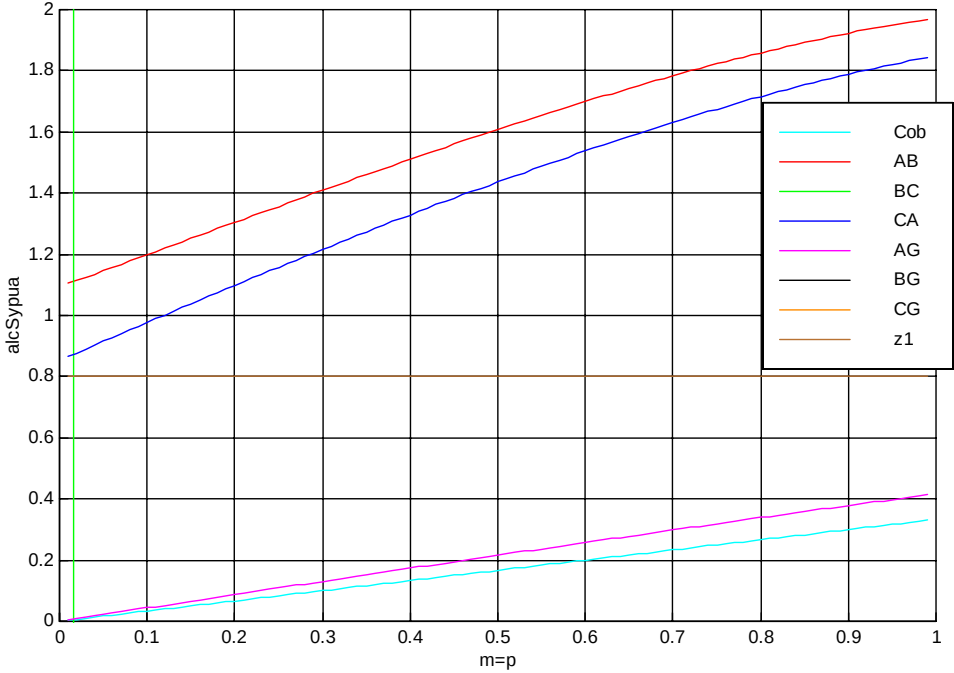
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>Tramo SE1	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida f02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0

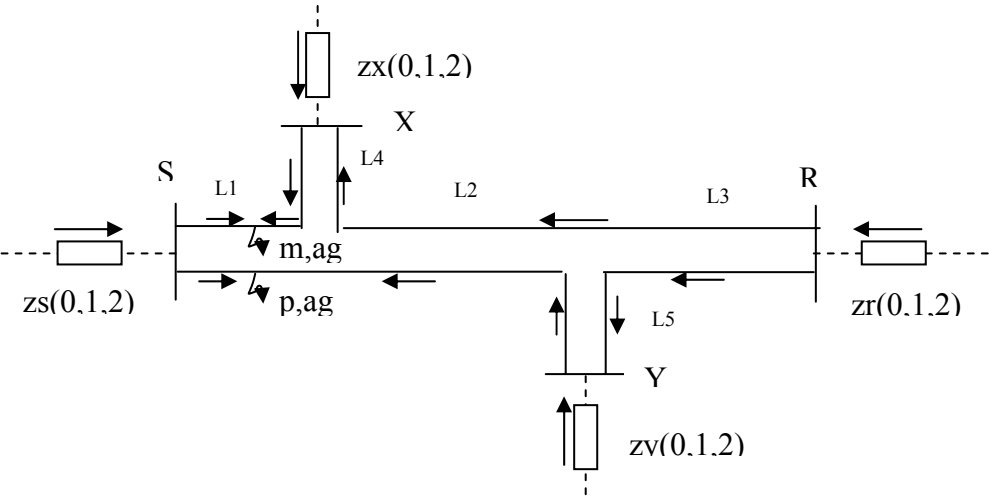


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

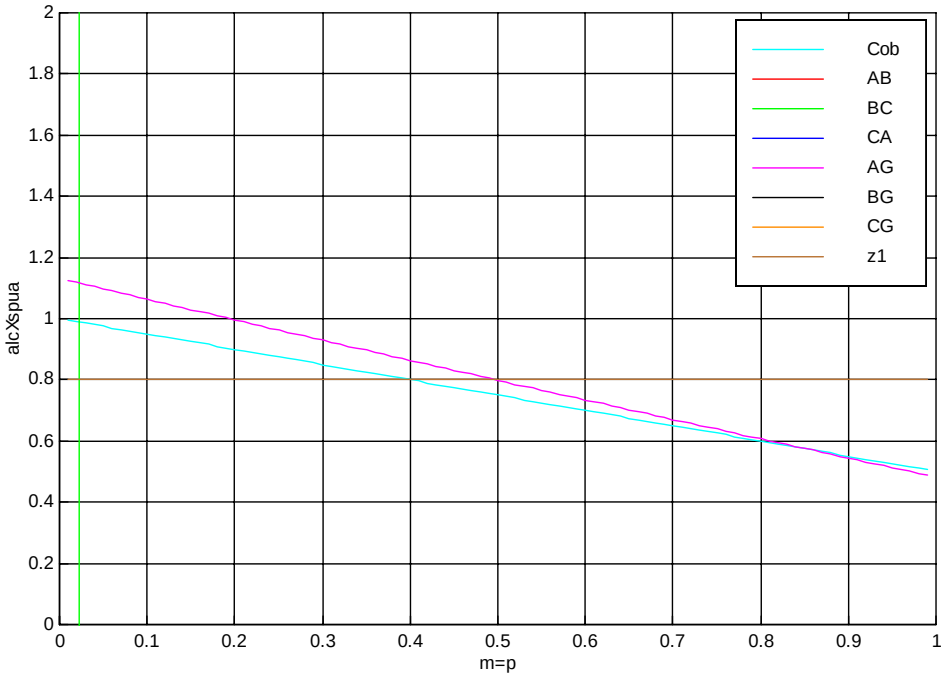
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>Tramo SE1	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida f03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0



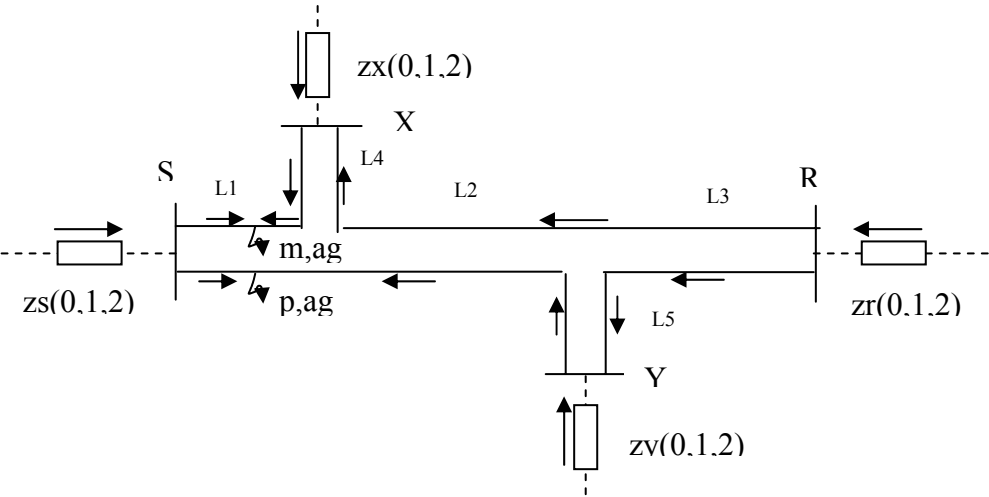
m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	0.75	--	--

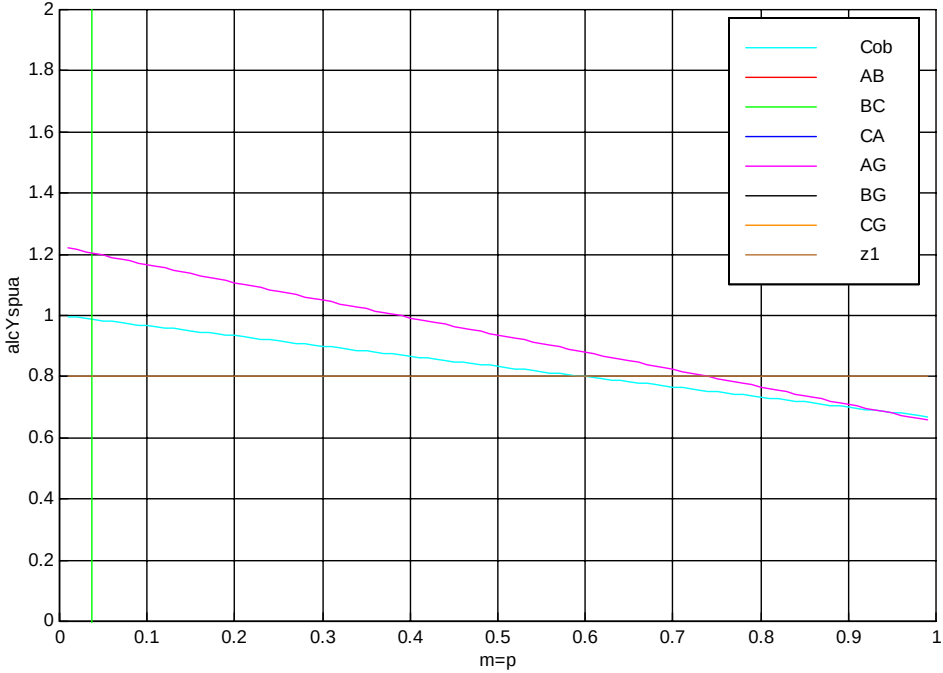
Cobertura(AG)=(100+0.50*100)/200=0.75

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida f04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Scx=5000 ,Scr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

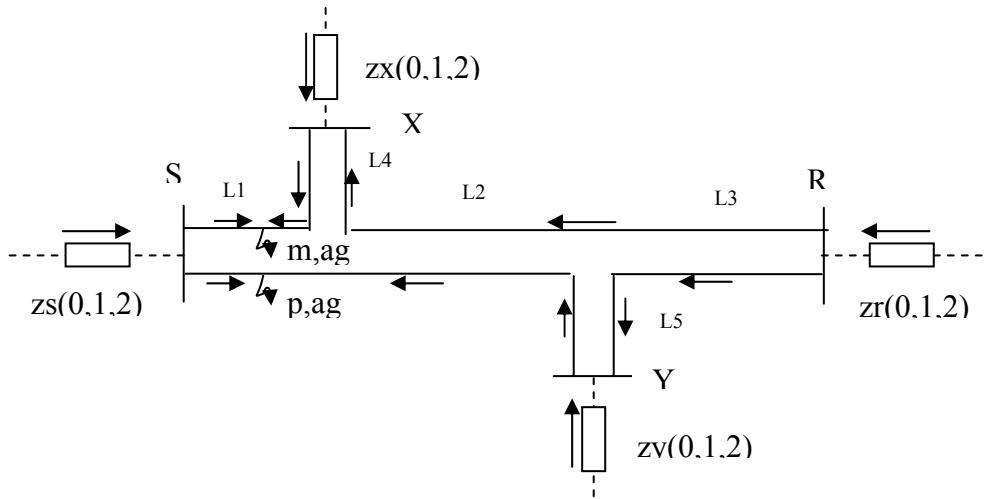
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	0.76	--	--

Cobertura(AG)=(100+100+0.27*100)/300=0.76

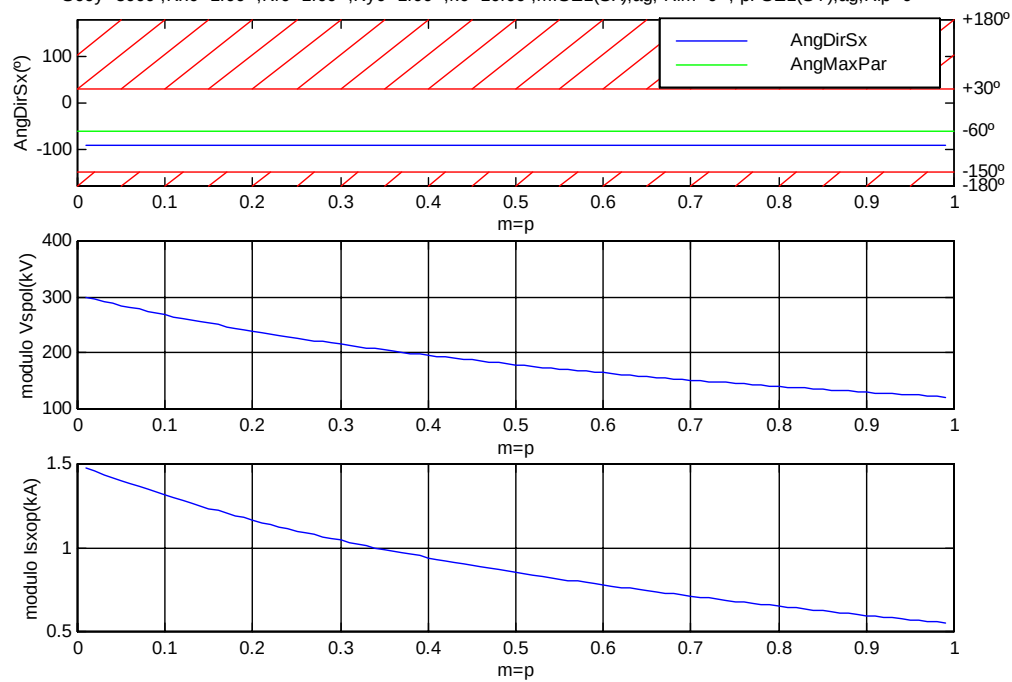
Programa: PG54ic

Caso Standard, Falta ag-ag: Salida n01

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:SE1(SX),ag, Rfm=0 , p: SE1(SY),ag,Rfp=0



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Direccionalidad: $m = 0.1, \dots, 1$

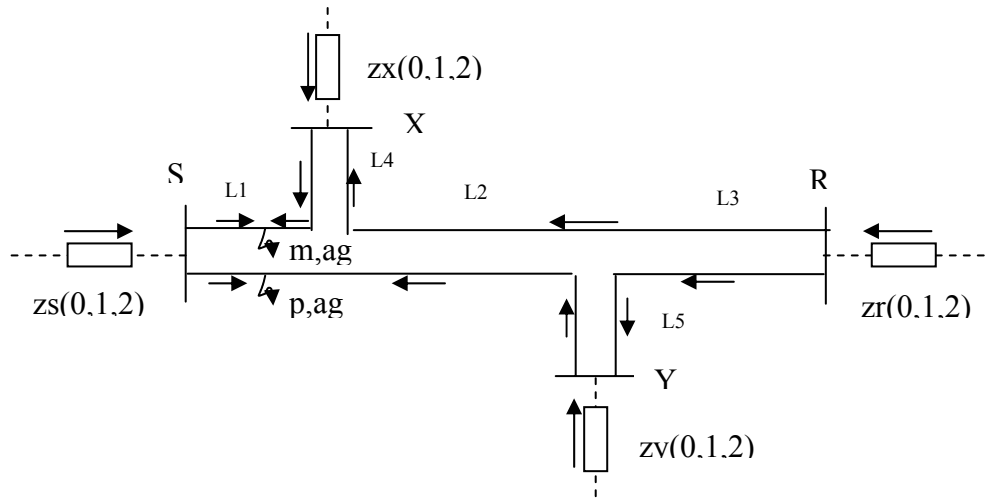
Sensibilidad de Tensión : decreciente (con m)

Sensibilidad de Corriente: decreciente (con m)

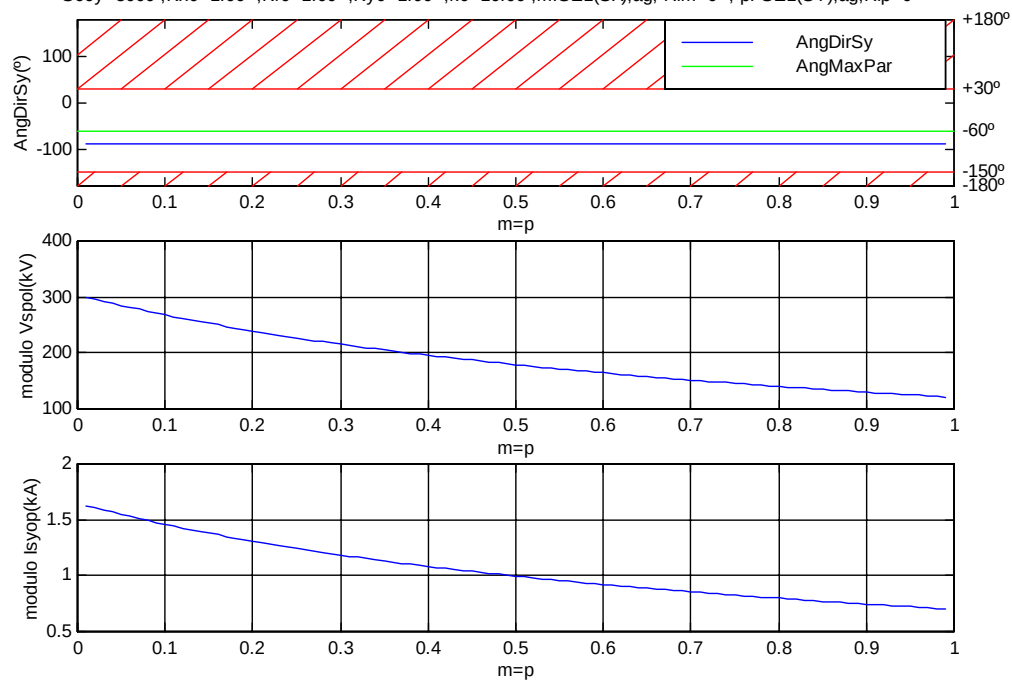
Programa: PG54ic

Caso Standard, Falta ag-ag: Salida n02

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:SE1(SX),ag, Rfm=0 , p: SE1(SY),ag,Rfp=0



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Direccionalidad: $m = 0.1, \dots, 1$

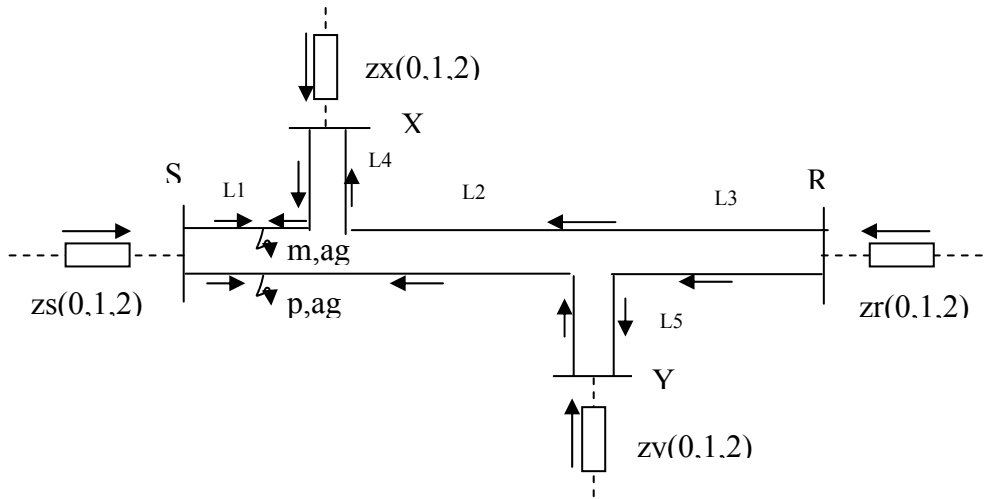
Sensibilidad de Tensión : decreciente (con m)

Sensibilidad de Corriente: decreciente (con m)

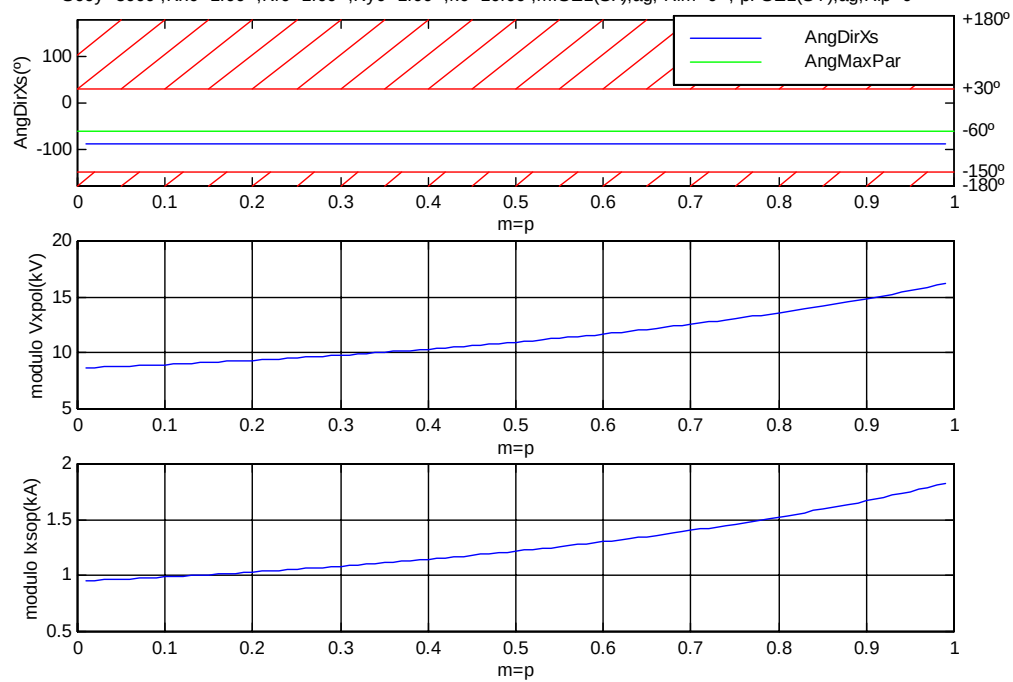
Programa: PG54ic

Caso Standard, Falta ag-ag: Salida n03

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:SE1(SX),ag, Rfm=0 , p: SE1(SY),ag,Rfp=0



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Direccionalidad: 1-m = 0.1, ... , 1

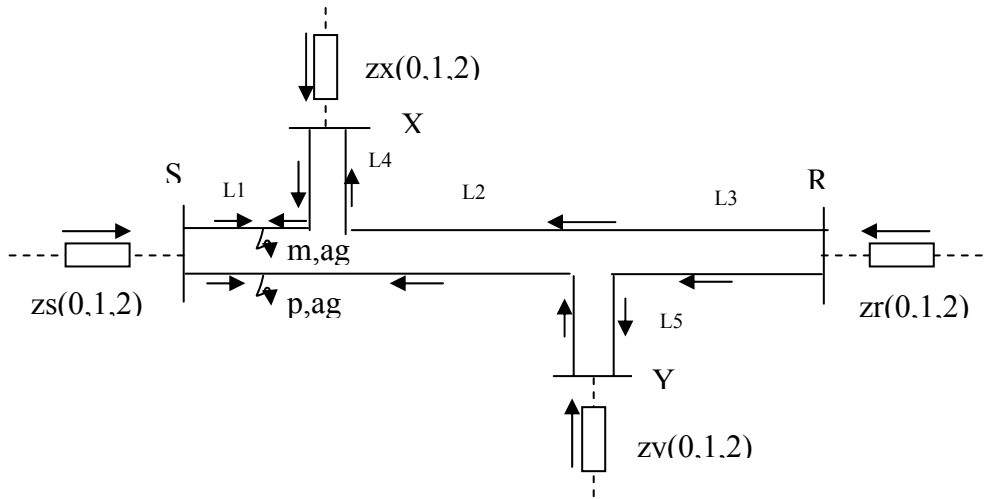
Sensibilidad de Tensión : decreciente (con 1-m)

Sensibilidad de Corriente: decreciente (con 1-m)

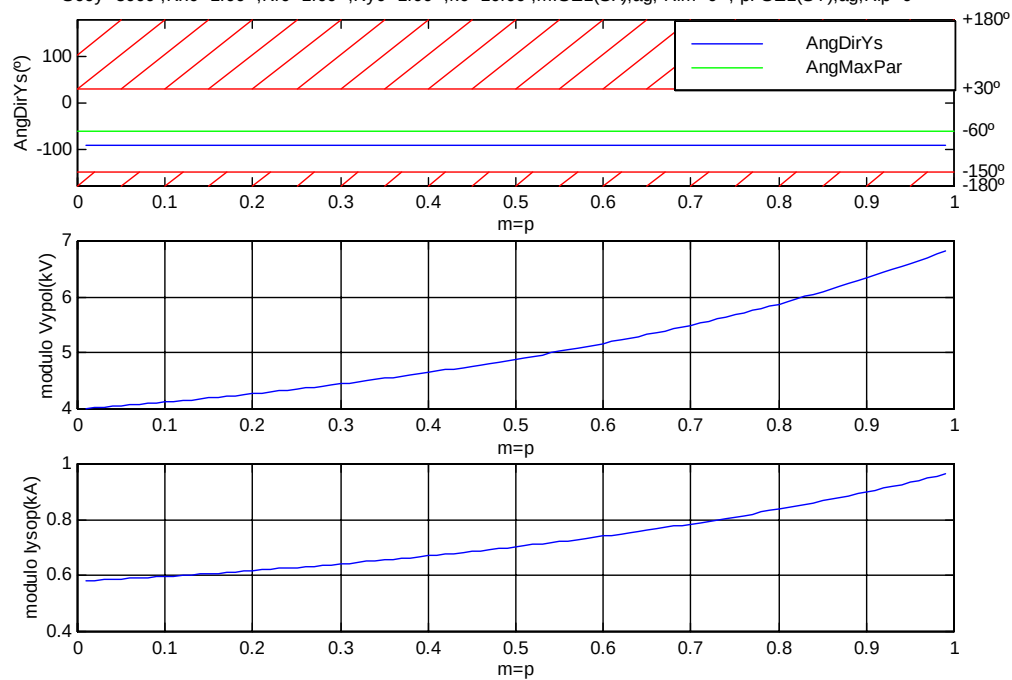
Programa: PG54ic

Caso Standard, Falta ag-ag: Salida n04

Esquema:



PG54ic, m=p, 67N, 220kV, kE=1.00, L1=100km, L2=100km, L3=100km, L4=100km, L5=100km, Scs=5000, Scsx=5000, Scsr=5000
 Scsy=5000, Kx0=1.00, Kr0=1.00, Ky0=1.00, k0=10.00, m: SE1(SX), ag, Rfm=0, p: SE1(SY), ag, Rfp=0



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

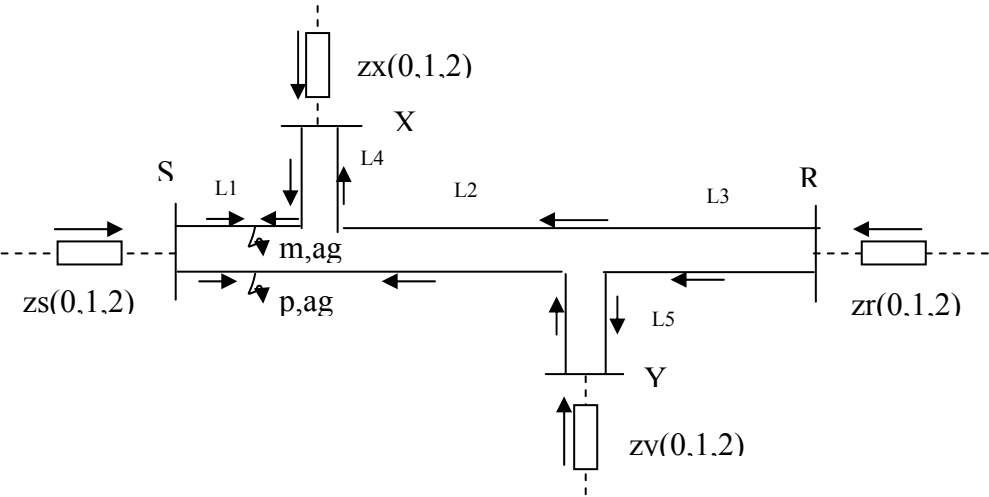
Direccionalidad: 1-m = 0.1, ..., 1

Sensibilidad de Tensión : decreciente (con 1-m)

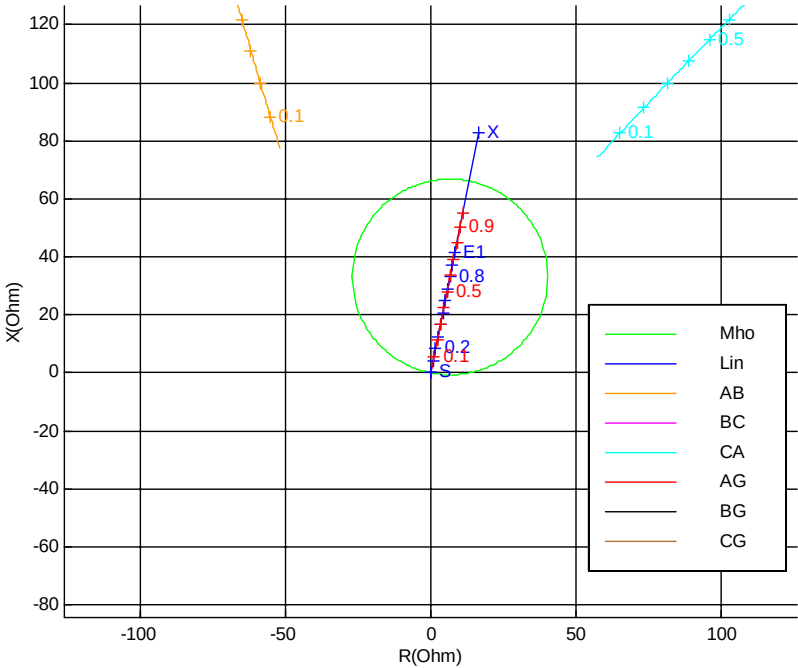
Sensibilidad de Corriente: decreciente (con 1-m)

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida z01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0 ,Extr: Sx

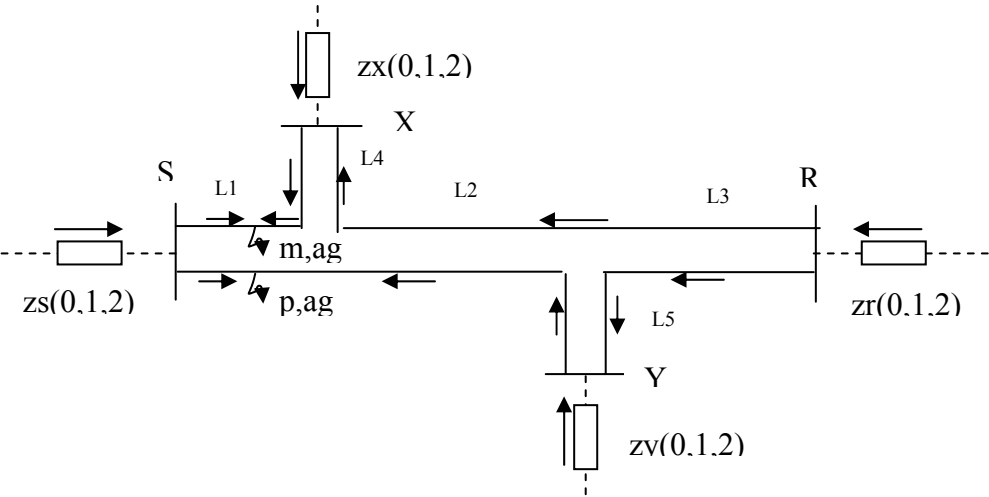


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

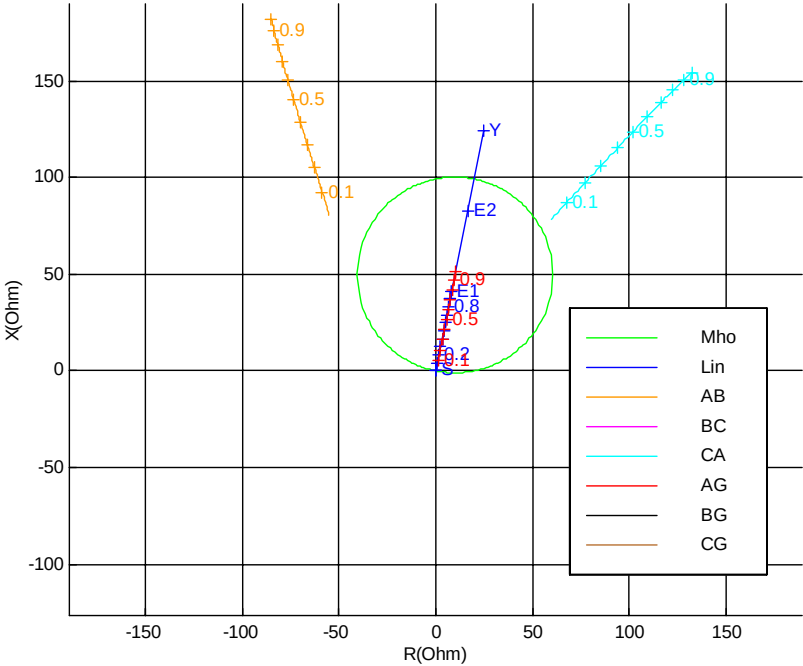
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	>Tramo SE1	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida z02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0 ,Extr: Sy

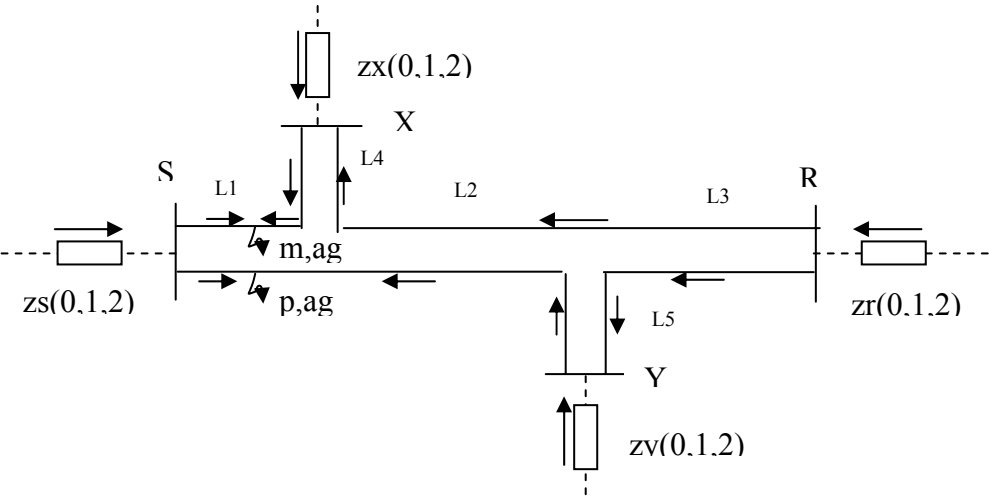


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

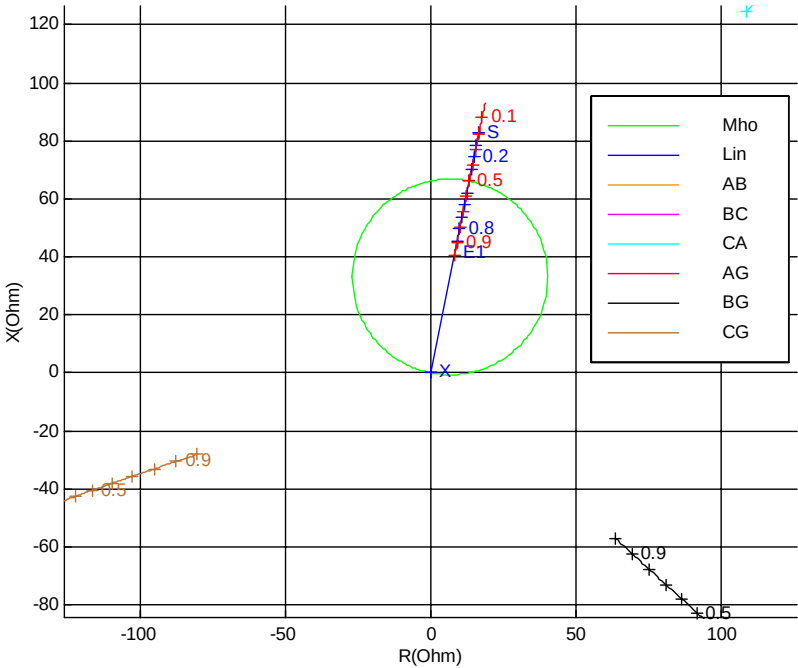
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	>Tramo SE1	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida z03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0 ,Extr: Xs



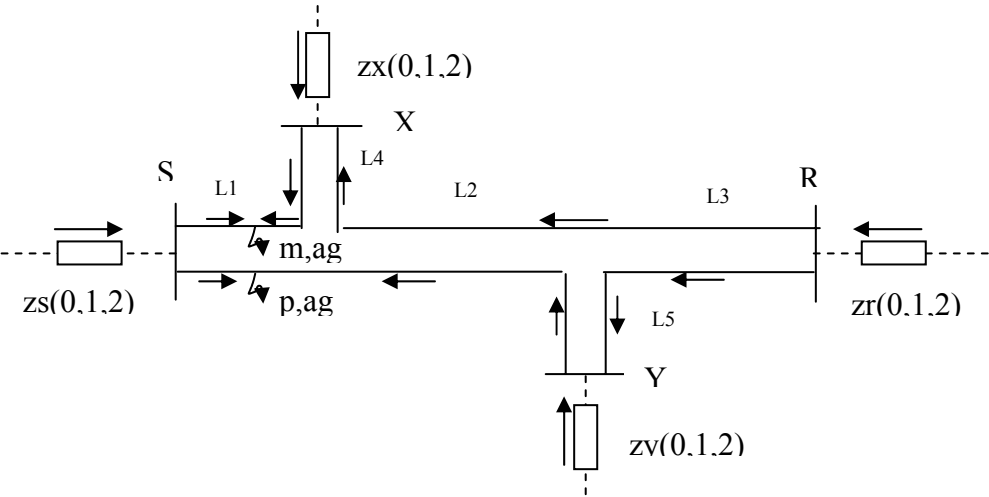
m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	0.75	--	--

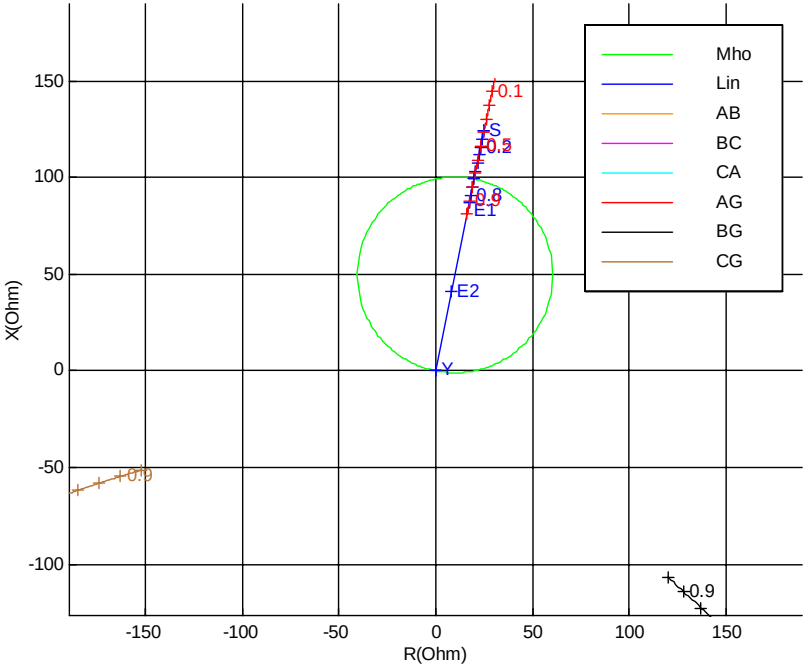
Cobertura(AG)=(100+0.50*100)/200=0.75

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida z04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),ag,Rfp=0 ,Extr: Ys

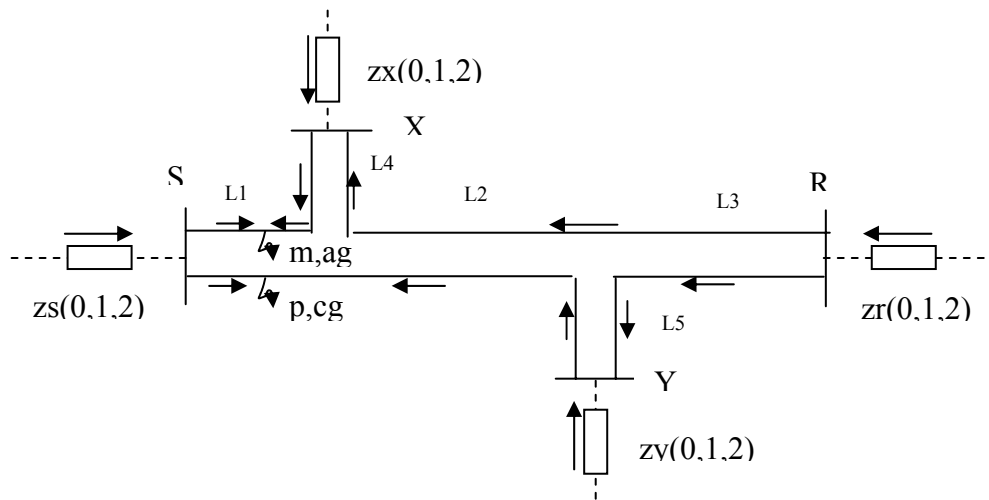


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	0.76	--	--

$$\text{Cobertura(AG)} = (100 + 100 + (1 - 0.73) * 100) / 300 = (100 + 100 + 0.27 * 100) / 300 = 0.76$$

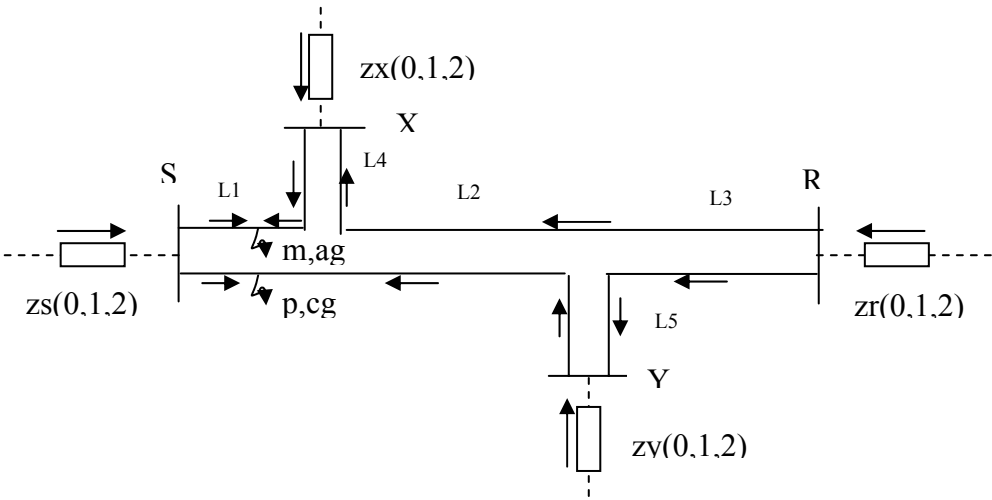
Esquema:



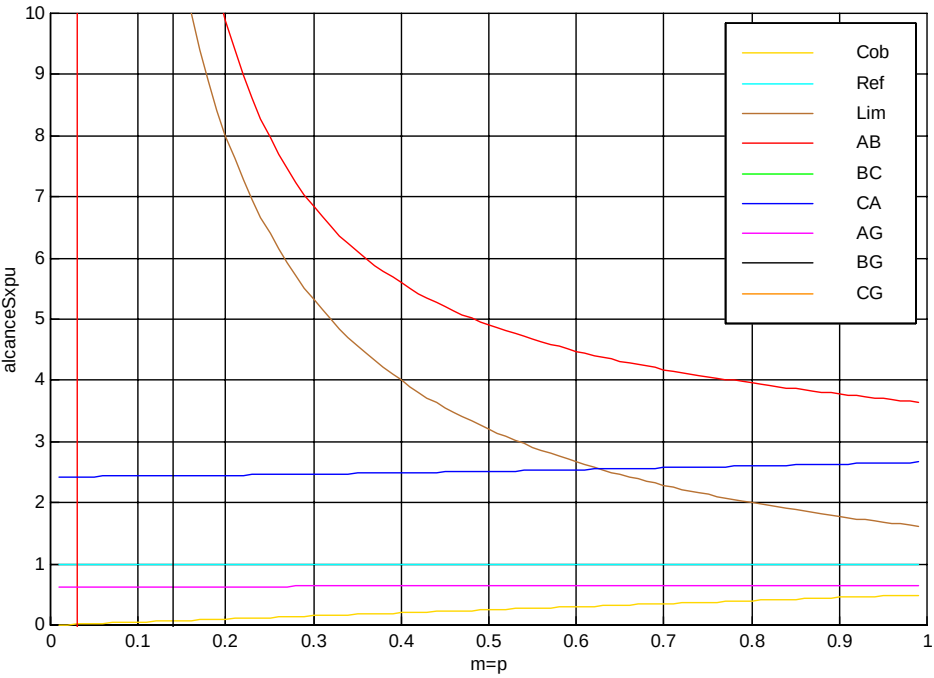
Programa	PG54ic		
Entrada Standard	Un=220 kV, kE=1, L1=100 km, L2=100 km, L3=100 km, L4=100 km, L5=100 km, Scs=5000 MVA, Sccx=5000 MVA, Sccr=5000 MVA, Sccy=5000 MVA, Kx0=1, Kr0=1, Ky0=1		
	Compensacion 21= No		
Parámetro	$k0 = z_{s0}/z_{r0} = 10$		
Falta Doble $m=p$	Falta m Tramo T1 Linea Sup	m	0 . . . 1 (Tramo)
		Tipo	ag
		Elemento	AG
		Rfm	0
		Rgm	--
	Falta p Tramo T1 Linea Inf.	p	0 . . . 1 (Tramo)
		Tipo	cg
		Elemento	CG
		Rfm	0
		Rgm	--
Salida 1	21 Todas las Unidades pu AB,BC,CA,AG,BG,CG	alcanceSxpu	e01
		alcanceSypu	e02
		alcanceXspu	e03
		alcanceYspu	e04
Salida 2	21 Todas las Unidades pua AB,BC,CA,AG,BG,CG	alcanceSxpua	f01
		alcanceSypua	f02
		alcanceXspua	f03
		alcanceYspua	f04
Salida 3	67N	Sx	n01
		Sy	n02
		Xs	n03
		Ys	n04
Salida 4	21 R-X	Sx	z01
		Sy	z02
		Xs	z03
		Ys	z04

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida e01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scxs=5000 ,Sccx=5000 ,Scsr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0

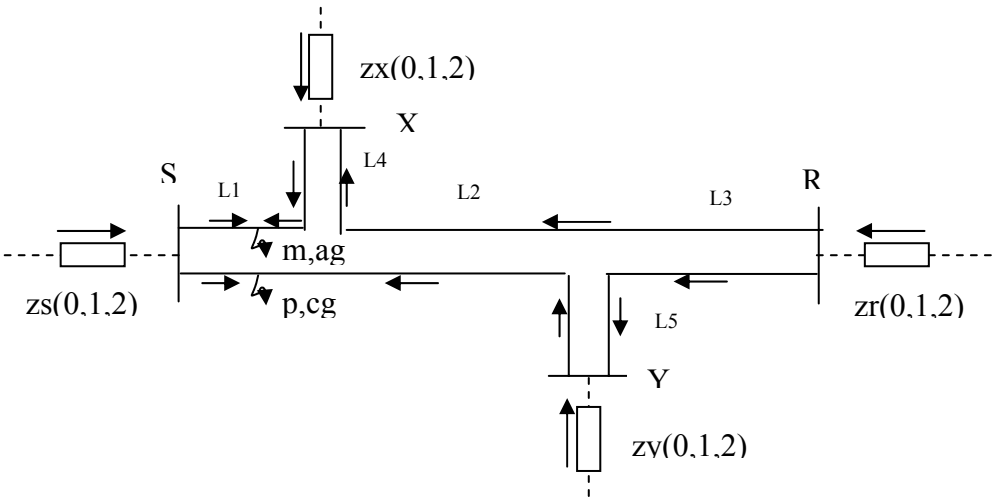


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

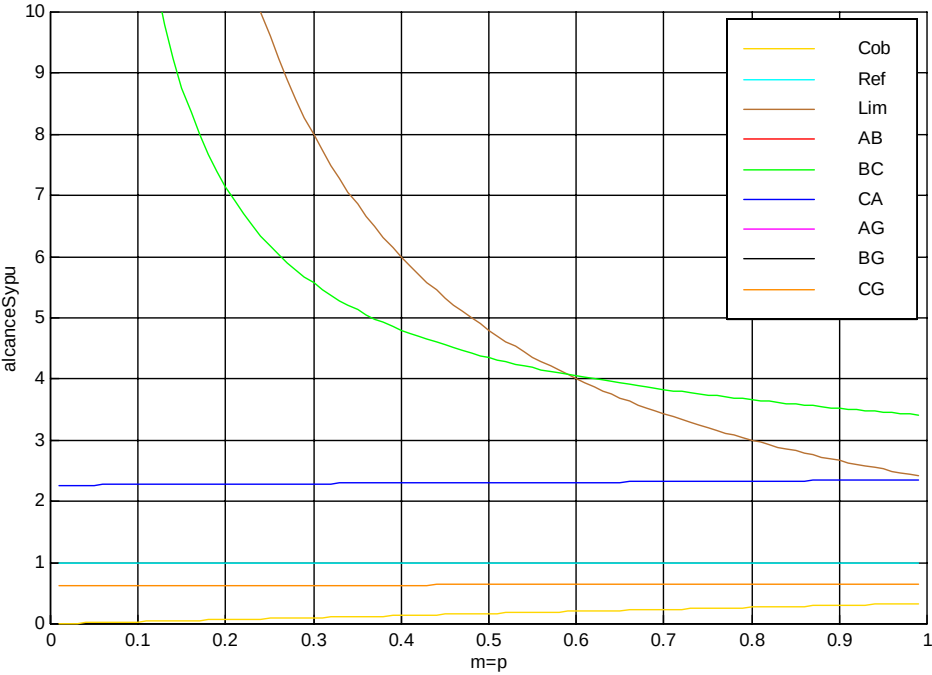
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	0.32	>Tramo	--	--

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida e02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Sccx=5000 ,Scrr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0

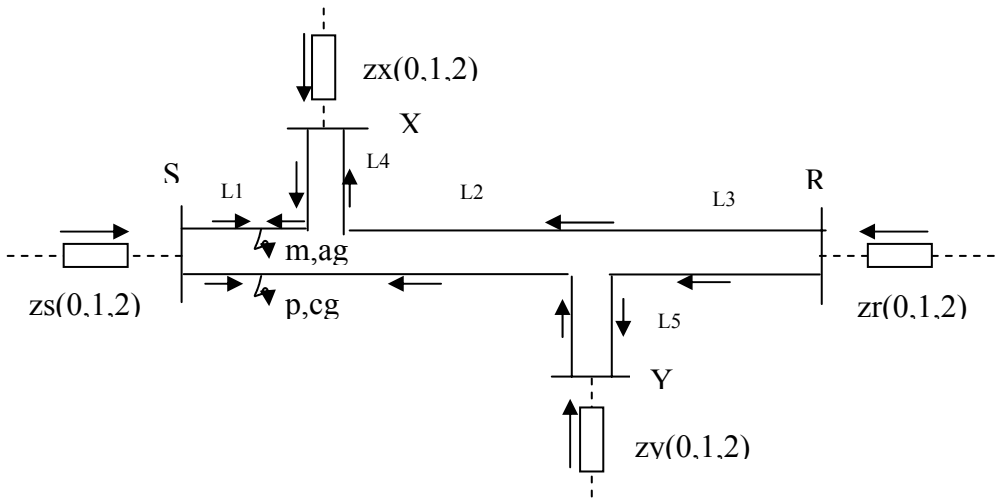


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

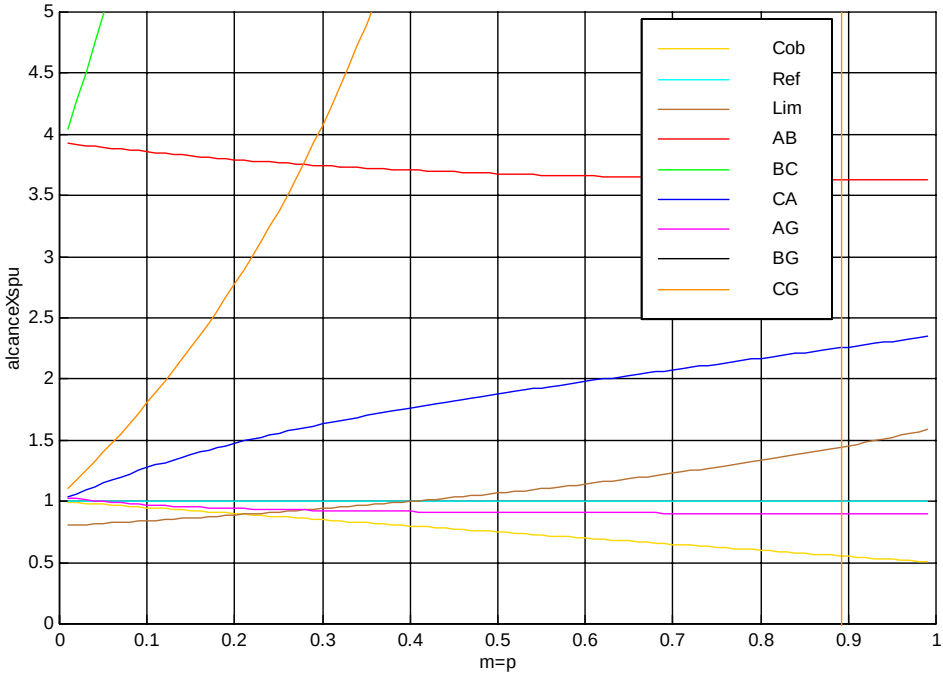
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	0.20	Tramo	--	--	>Tramo

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida e03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scxs=5000 ,Sccx=5000 ,Scsr=5000
Scsy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0

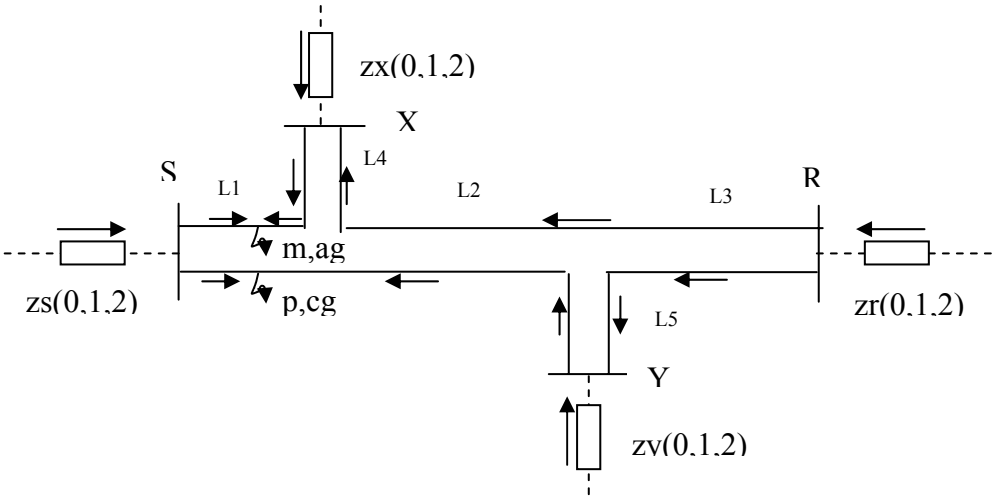


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

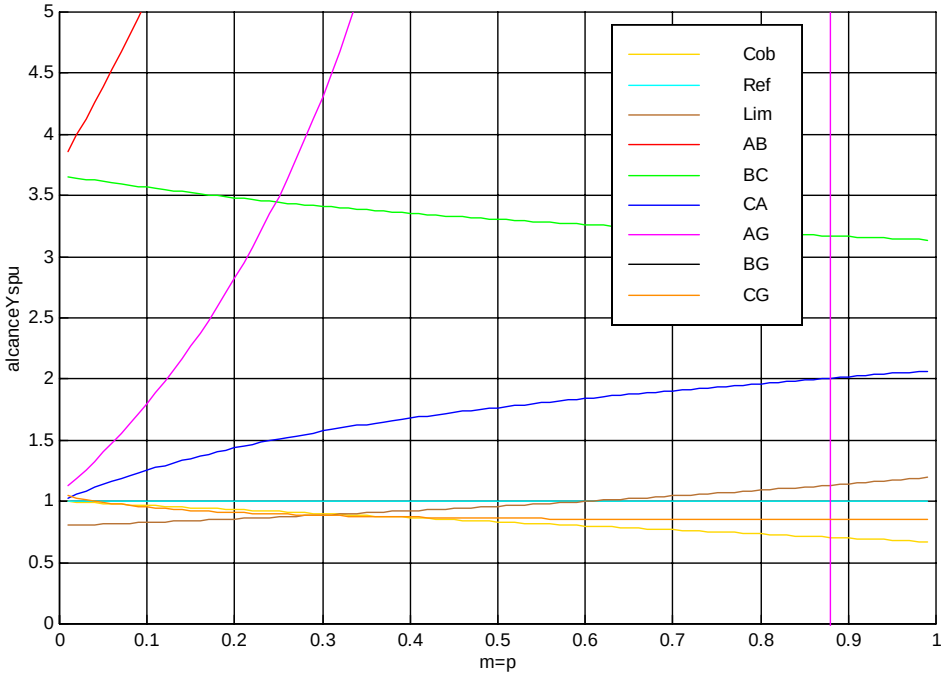
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	0.86	--	--

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida e04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scsx=5000 ,Sccx=5000 ,Scsr=5000
Scsy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0

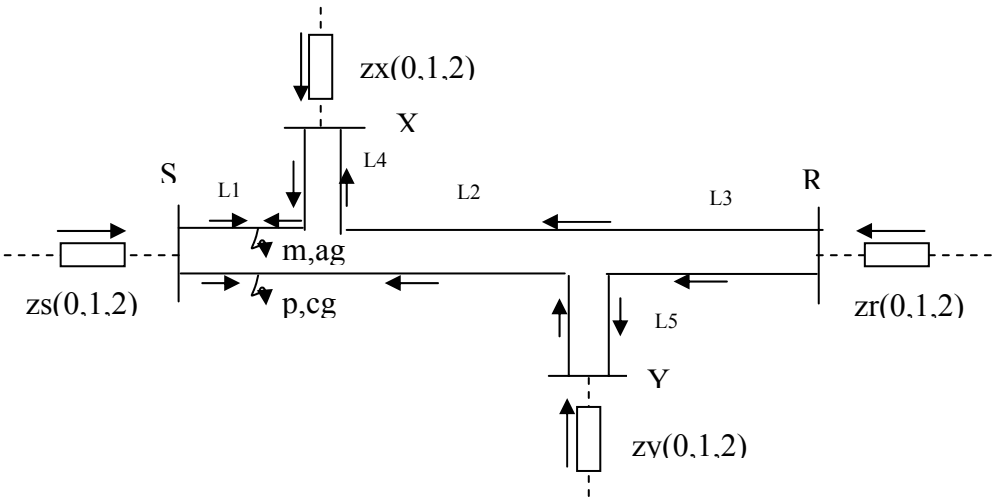


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

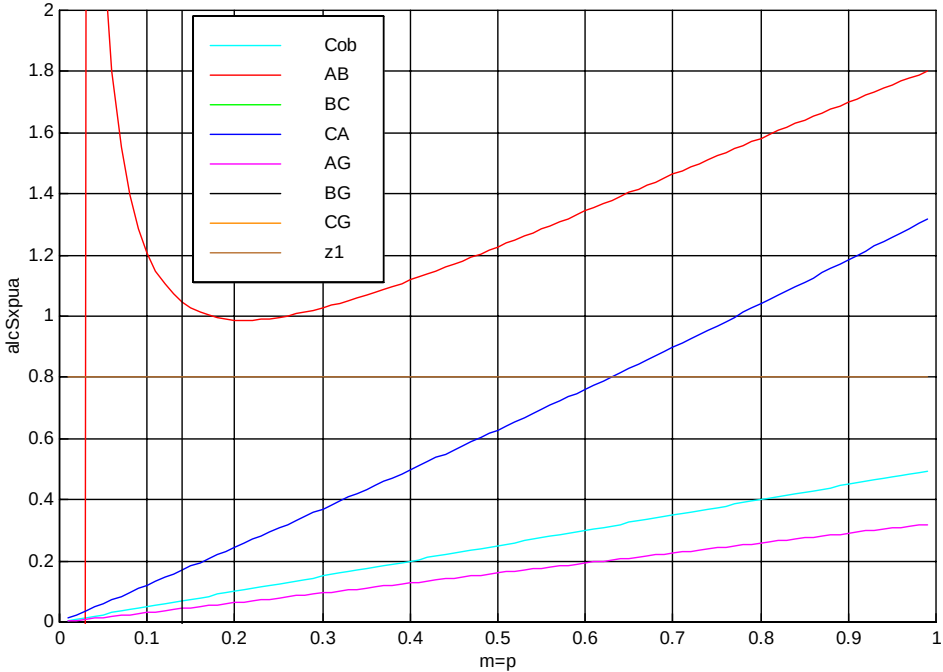
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	--	--	0.90

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida f01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0

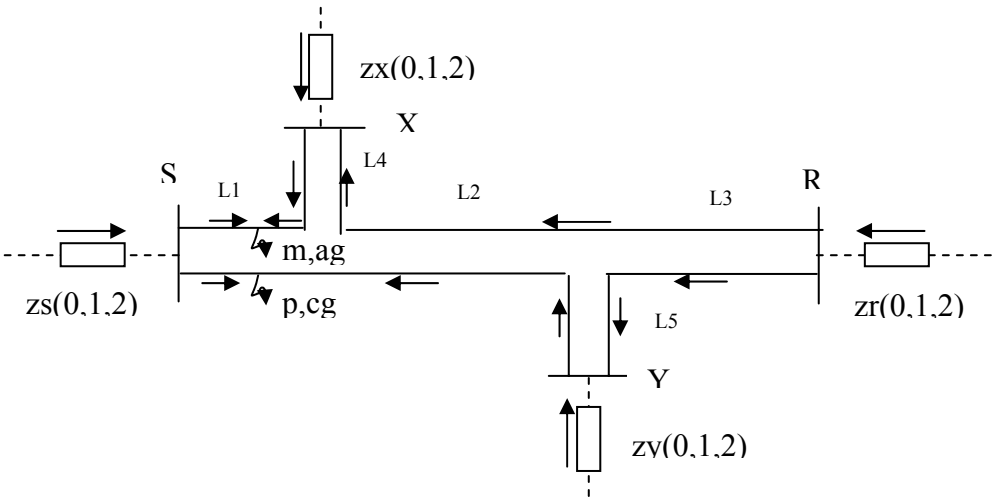


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

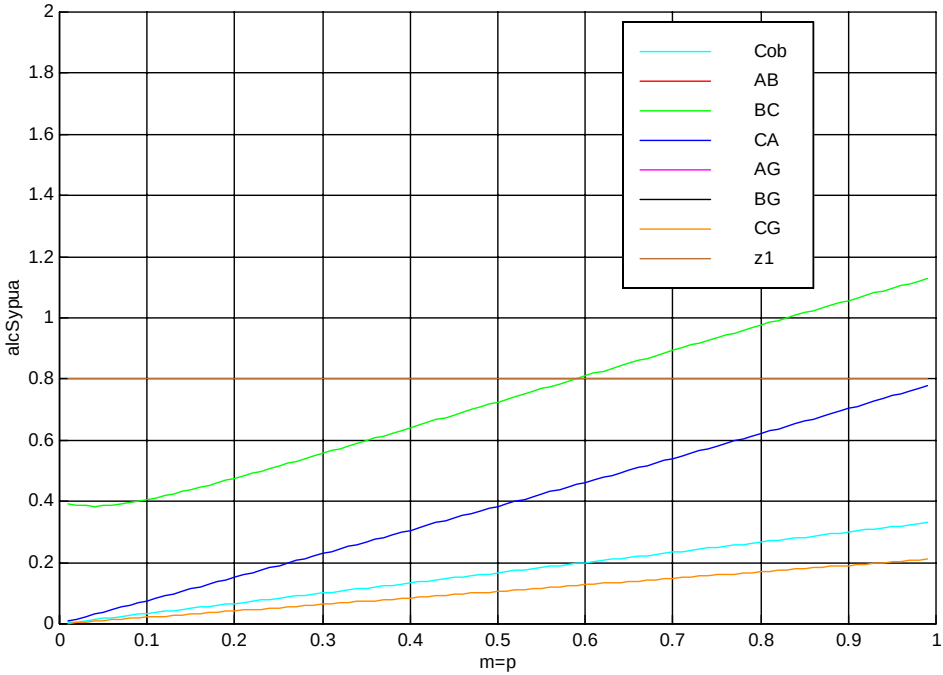
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	0.32	>Tramo	--	--

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida f02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scxs=5000 ,Sccx=5000 ,Scsr=5000
Scsy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0

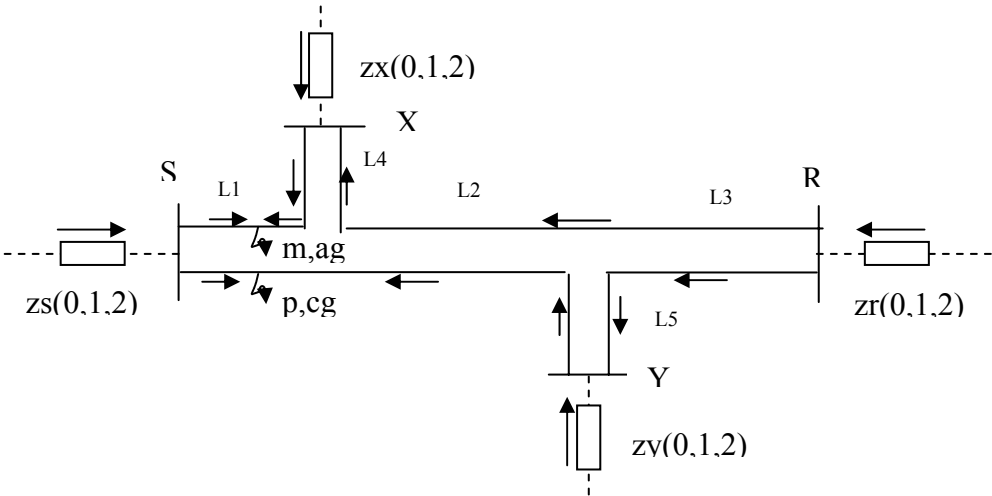


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

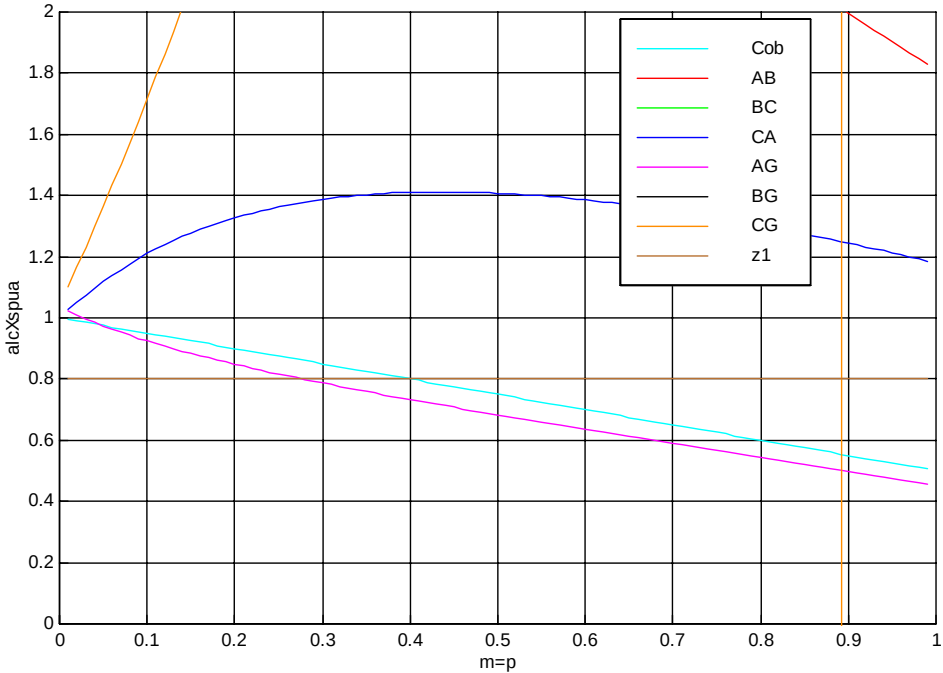
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	0.20	Tramo	--	--	>Tramo

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida f03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Sccx=5000 ,Scrr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0

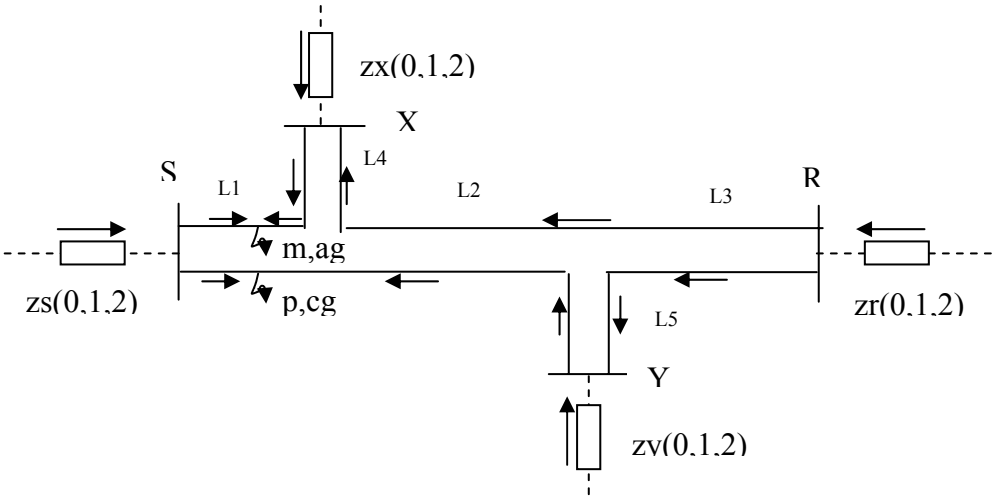


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

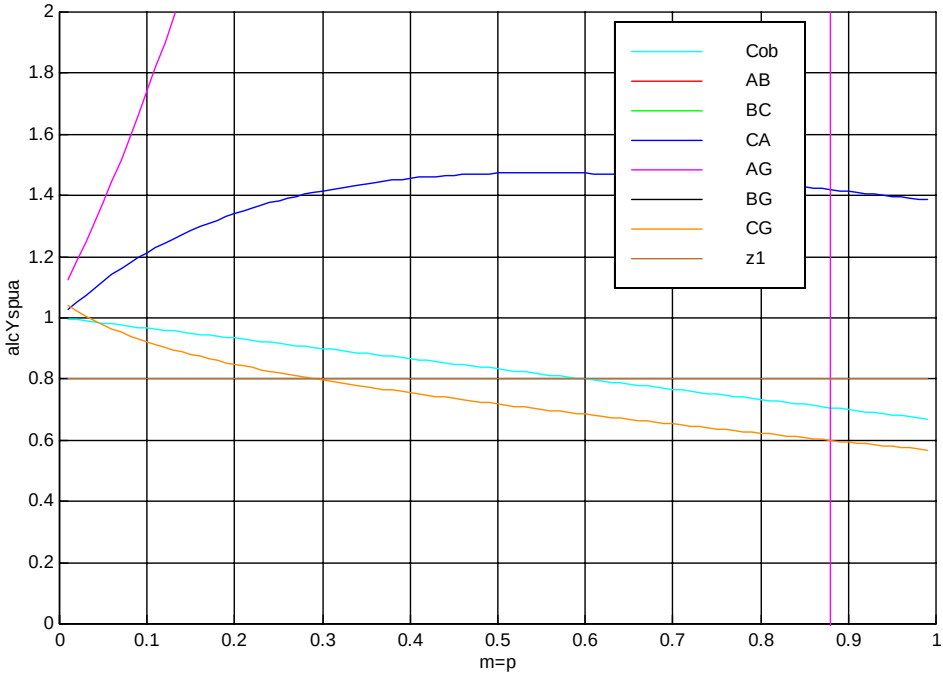
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	0.86	--	--

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida f04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Sccx=5000 ,Scsr=5000
Scsy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0



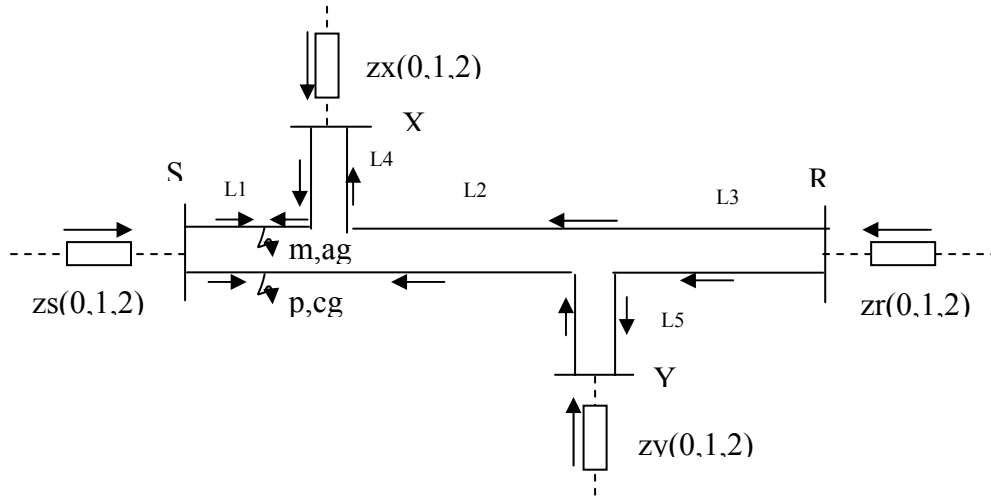
m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	--	--	0.90

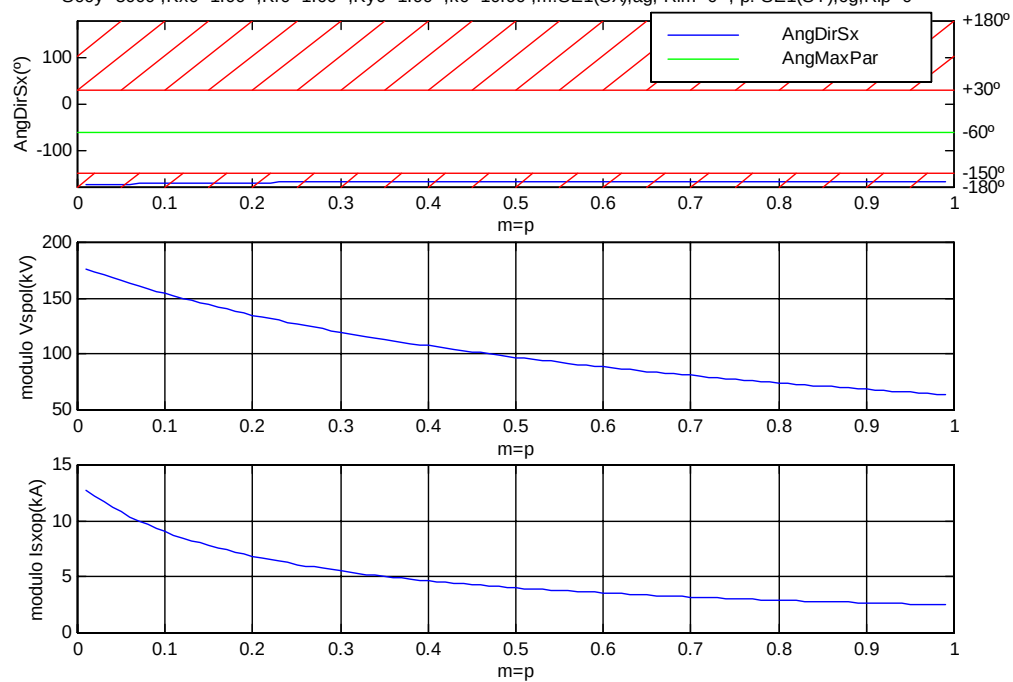
Programa: PG54ic

Caso Standard, Tramo T1, Falta ag-cg: Salida n01

Esquema:



PG54ic, m=p, 67N, 220kV, kE=1.00, L1=100km, L2=100km, L3=100km, L4=100km, L5=100km, Sccs=5000, Sccx=5000, Sccr=5000
 Sccy=5000, Kx0=1.00, Kr0=1.00, Ky0=1.00, k0=10.00, m:SE1(SX), ag, Rfm=0, p: SE1(SY), cg, Rfp=0



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Direccionalidad: No

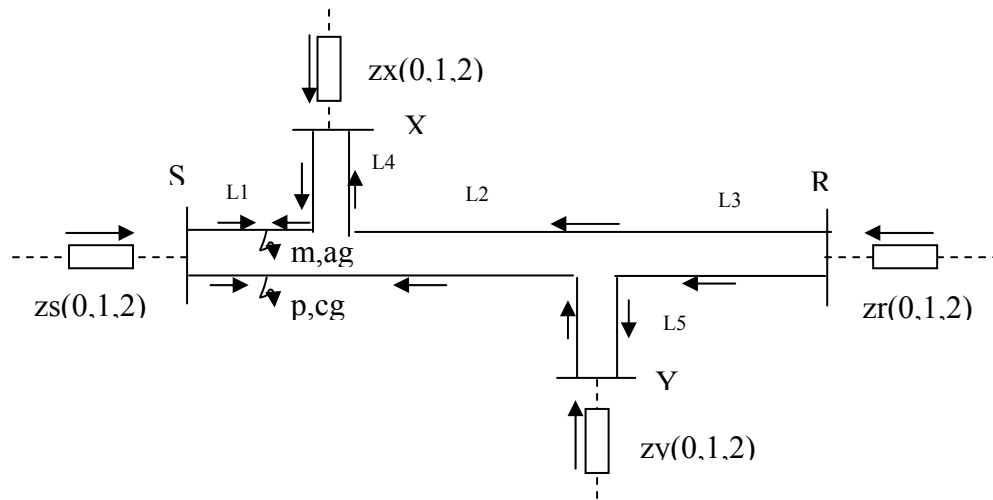
Sensibilidad de Tensión : decreciente (con m)

Sensibilidad de Corriente: decreciente (con m)

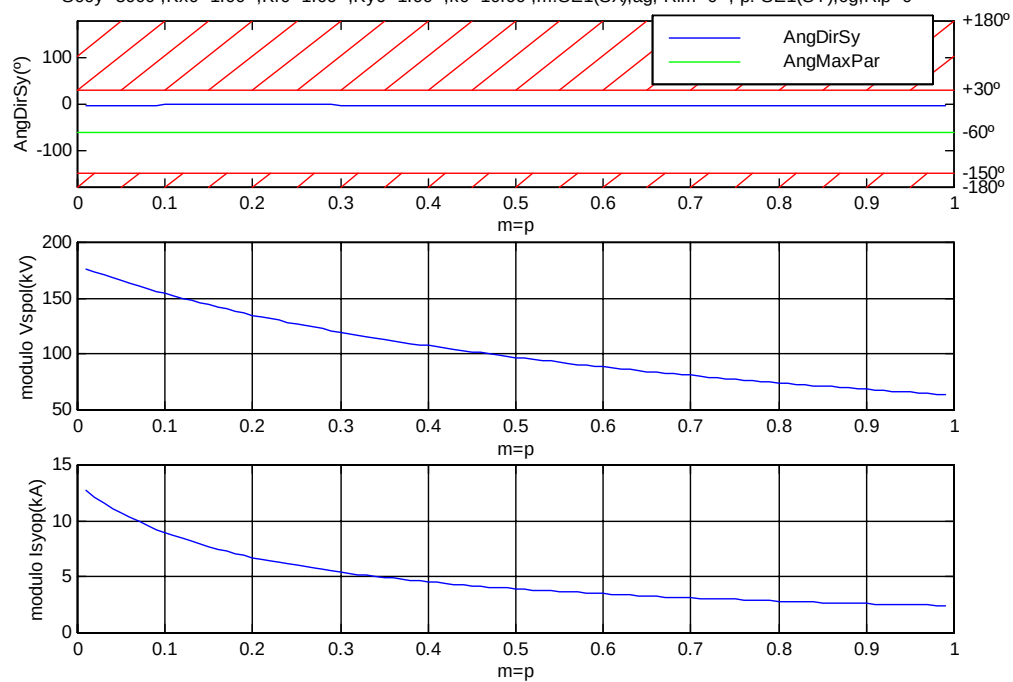
Programa: PG54ic

Caso Standard, Tramo T1, Falta ag-cg: Salida n02

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:SE1(SX),ag, Rfm=0 , p: SE1(SY),cg,Rfp=0



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Direccionalidad: $0 < (p=m) < 1$

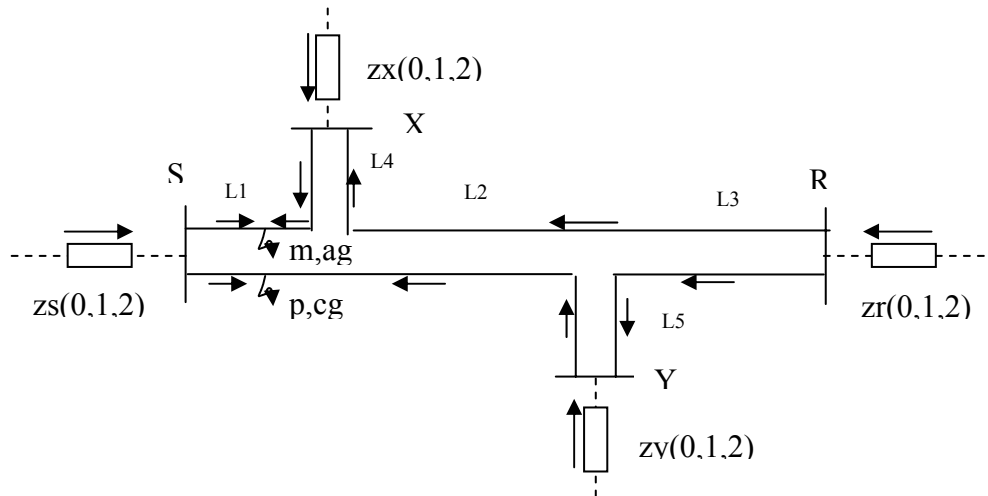
Sensibilidad de Tensión : decreciente (con $p=m$)

Sensibilidad de Corriente: decreciente (con $p=m$)

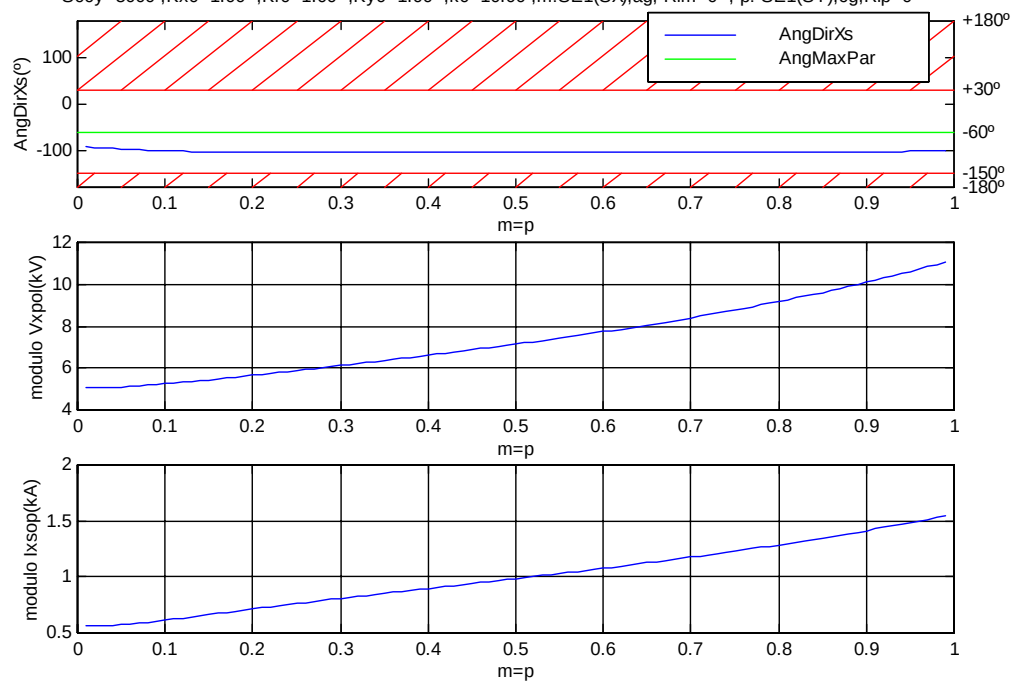
Programa: PG54ic

Caso Standard, Tramo T1, Falta ag-cg: Salida n03

Esquema:



PG54ic, m=p, 67N, 220kV, kE=1.00, L1=100km, L2=100km, L3=100km, L4=100km, L5=100km, Sccs=5000, Sccx=5000, Sccr=5000
 Sccy=5000, Kx0=1.00, Kr0=1.00, Ky0=1.00, k0=10.00, m:SE1(SX), ag, Rfm=0, p: SE1(SY), cg, Rfp=0



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Direccionalidad: 1-m=0...1

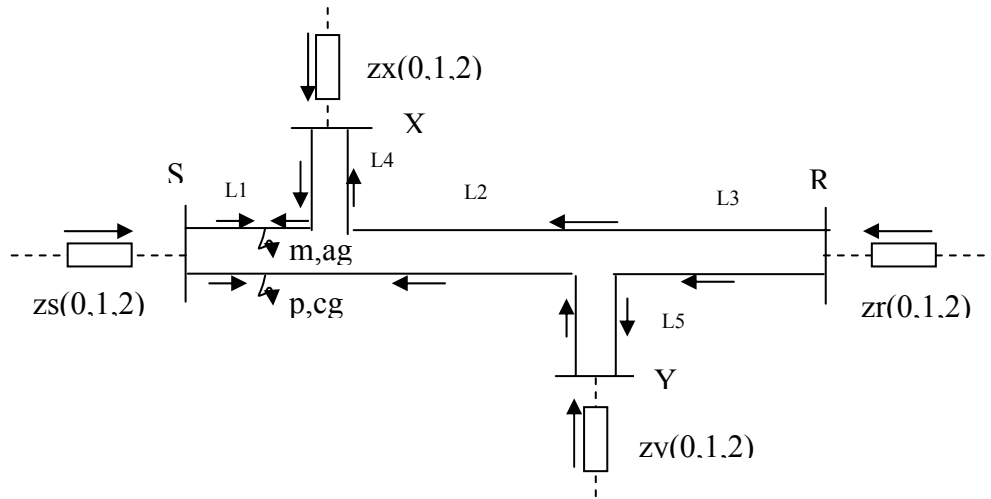
Sensibilidad de Tensión : decreciente (con 1-m)

Sensibilidad de Corriente: decreciente (con 1-m) ; crítica al final

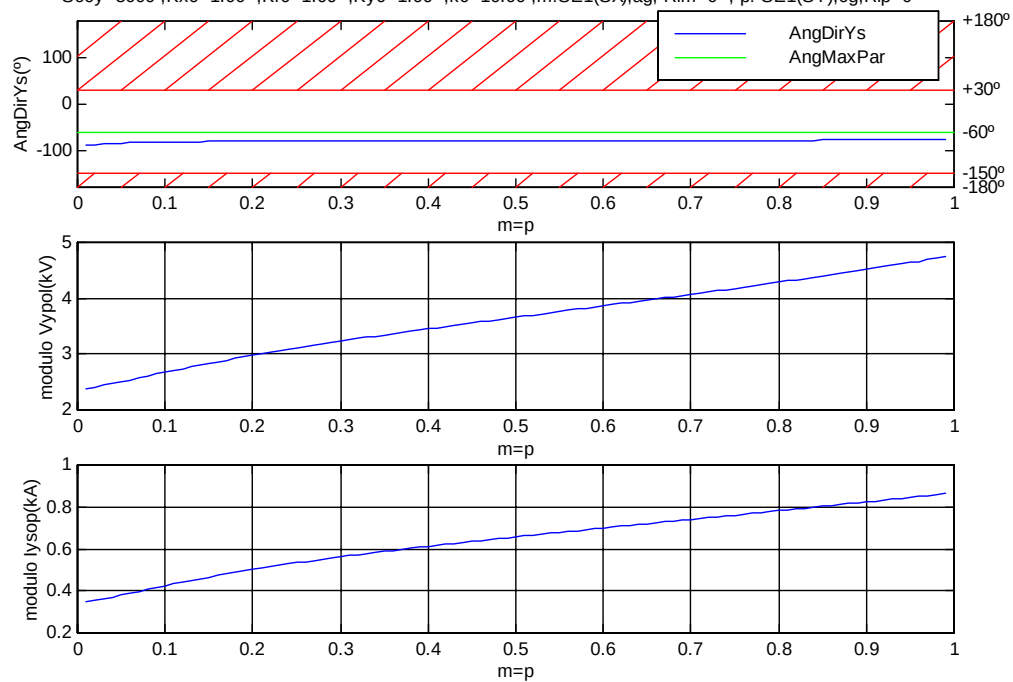
Programa: PG54ic

Caso Standard, Tramo T1, Falta ag-cg: Salida n04

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:SE1(SX),ag, Rfm=0 , p: SE1(SY),cg,Rfp=0



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

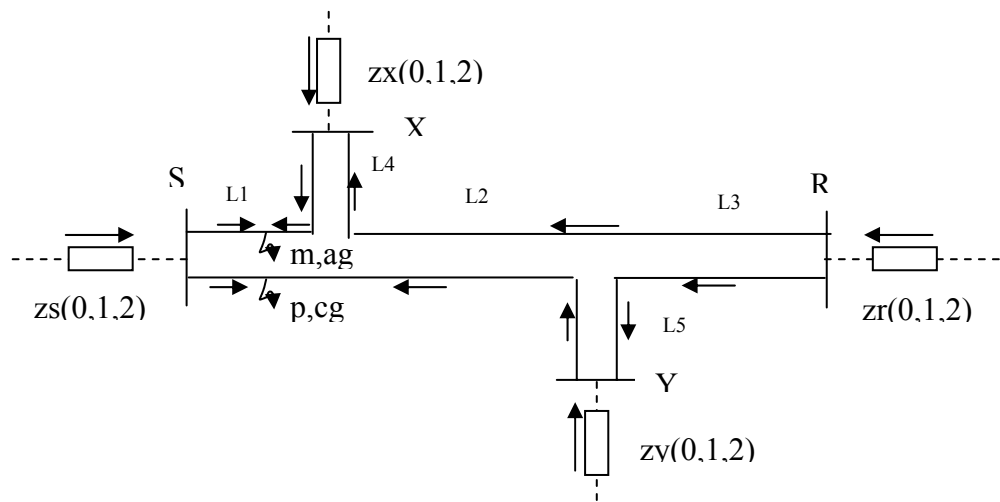
Direccionalidad: 1-p=1-m=0...1

Sensibilidad de Tensión : decreciente (con 1-m)

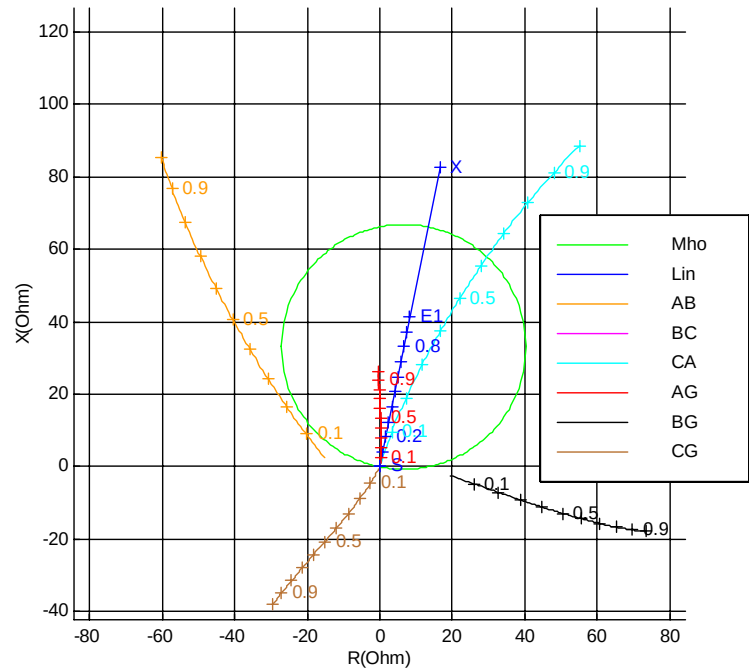
Sensibilidad de Corriente: Crítica: decreciente (con 1-m)

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida z01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0 , Extr: Sx

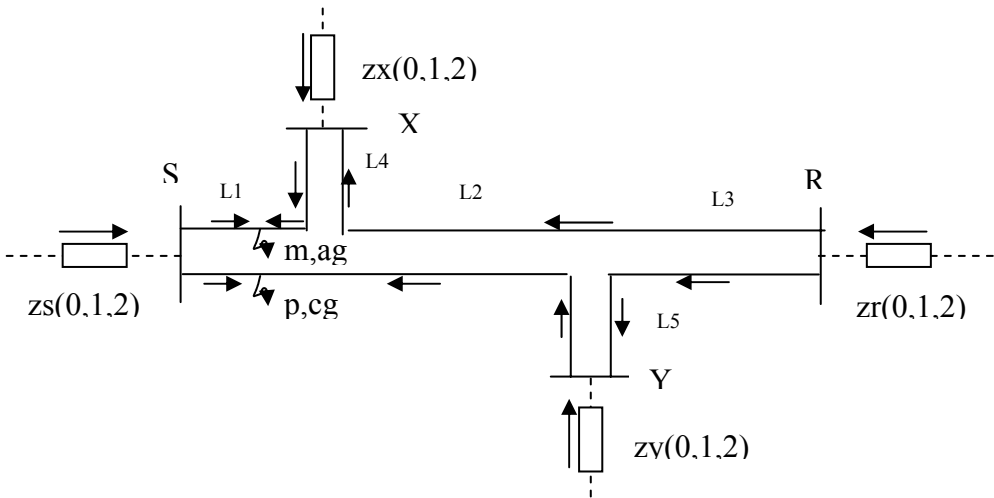


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

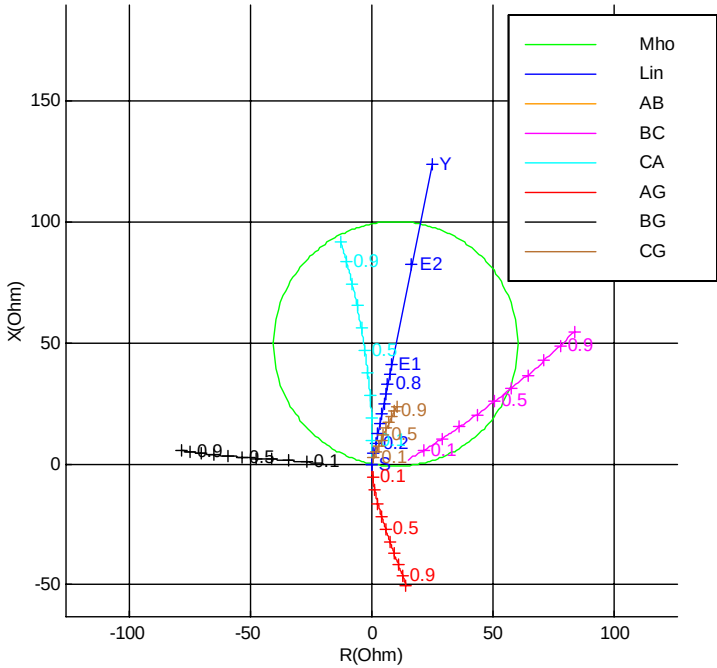
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	0.32	>Tramo SE1	--	--

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida z02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scxs=5000 ,Sccx=5000 ,Scrr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0 , Extr: Sy

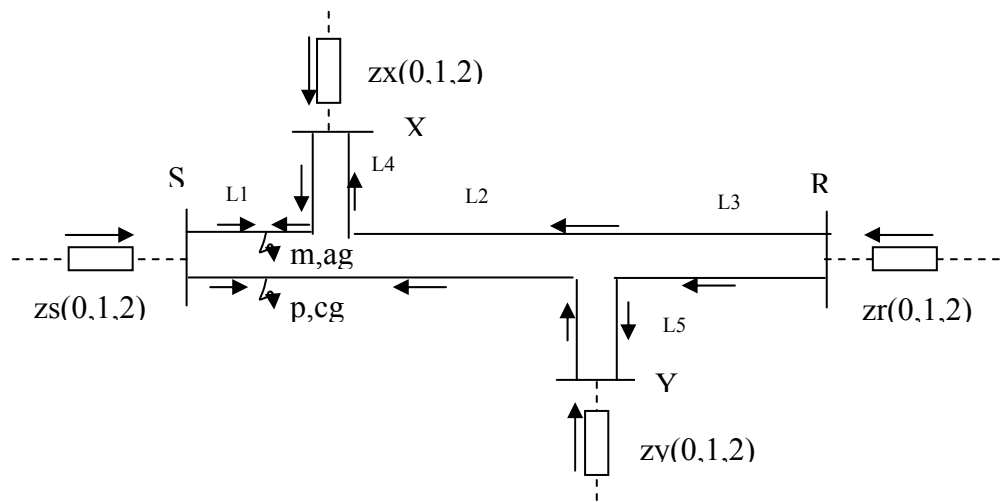


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

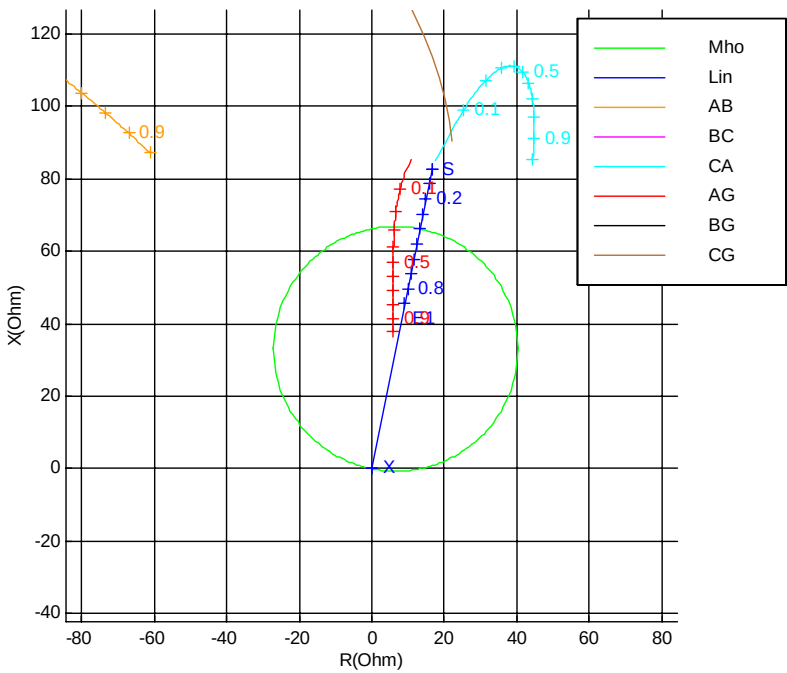
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.20	Tramo SE1	--	--	>Tramo SE1

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida z03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scxs=5000 ,Sccx=5000 ,Scrr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0 , Extr: Xs

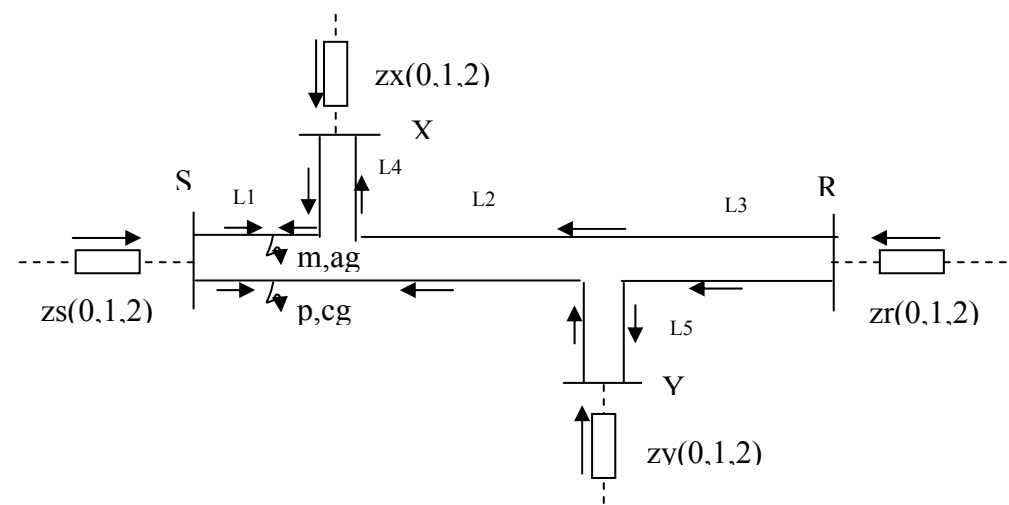


m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

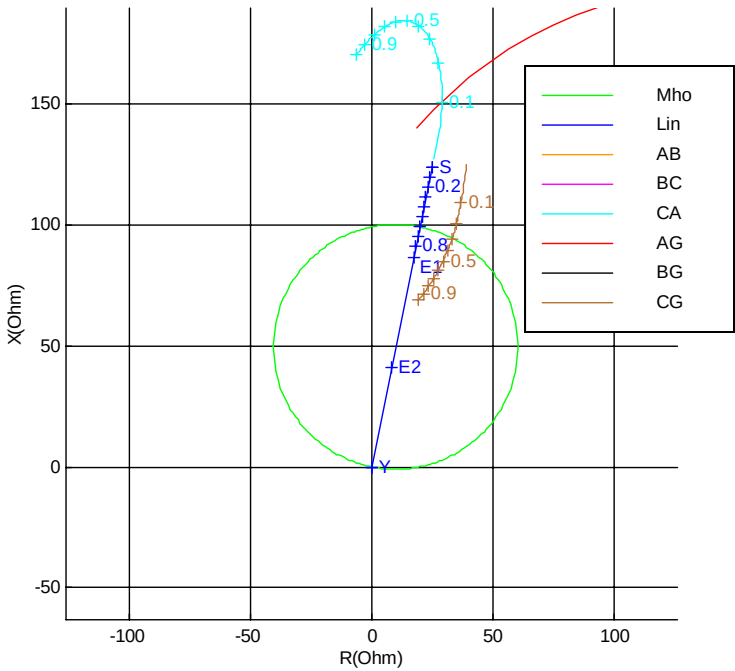
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	0.86	--	--

Programa: PG54ic
Caso Standard, Tramo T1, Falta ag-cg: Salida z04

Esquema:



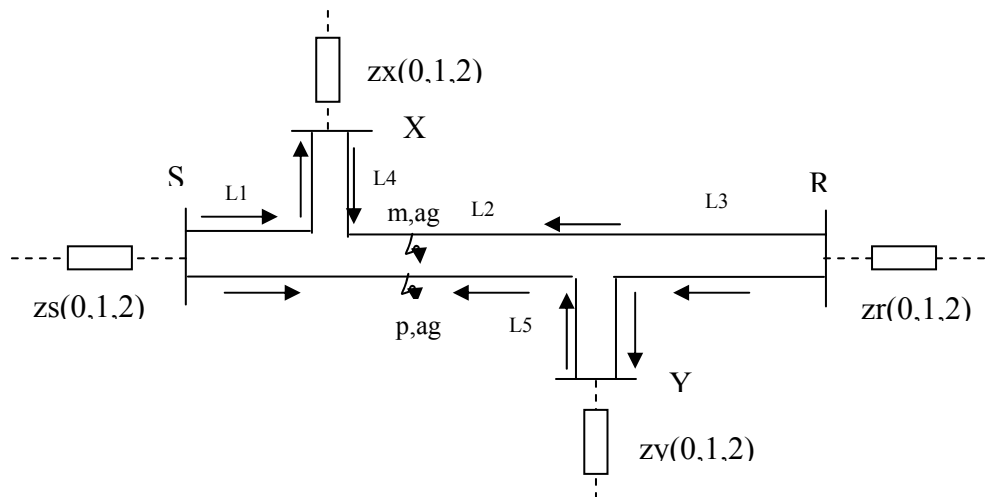
PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scxs=5000 ,Sccx=5000 ,Scsr=5000
Scsy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: SE1(SX),ag,Rfm=0 , p: SE1(SY),cg,Rfp=0 ,Extr: Ys



m(Tramo SE1(SX)) ; p(Tramo SE1(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	--	--	0.90

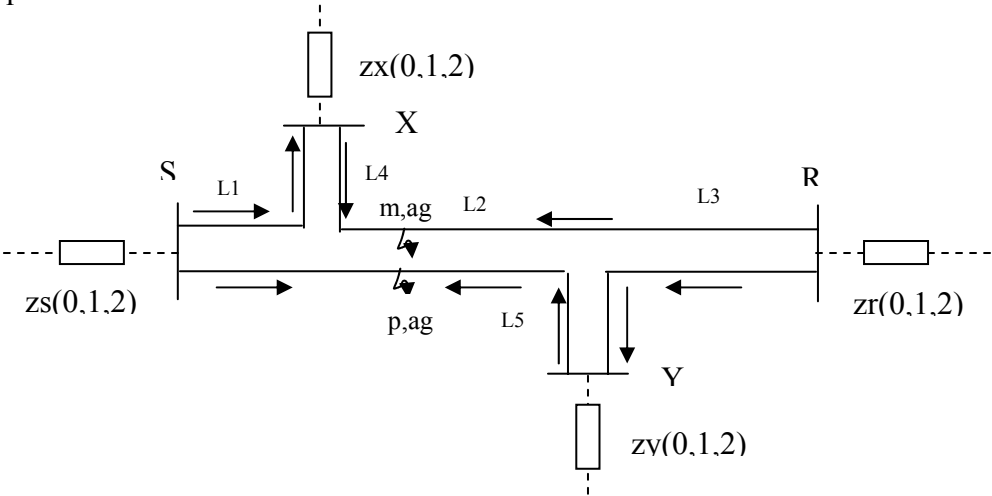
Esquema:



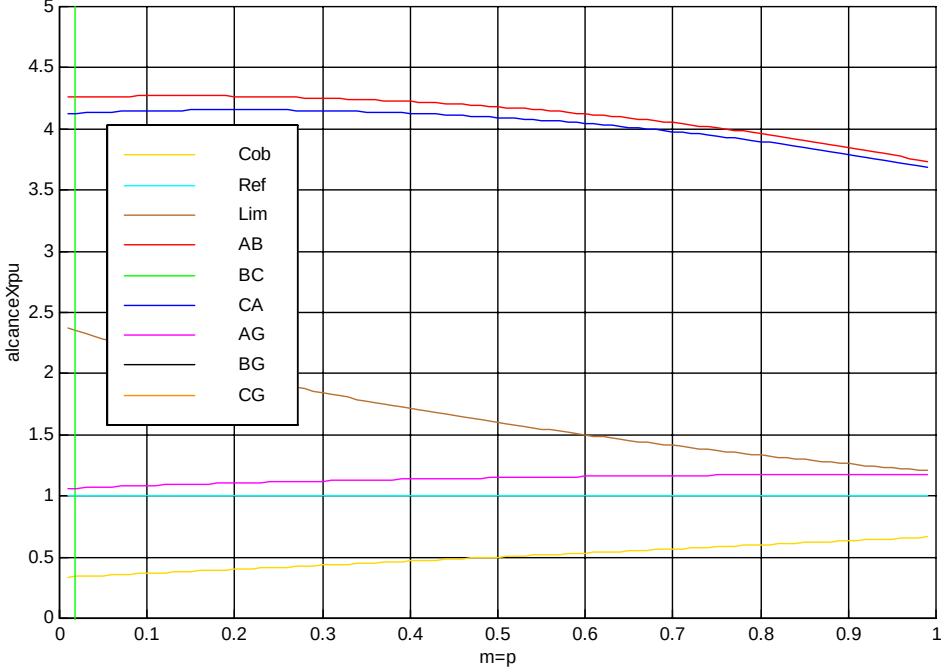
Programa	PG54ic		
Entrada Standard	Un=220 kV, kE=1, L1=100 km, L2=100 km, L3=100 km, L4=100 km, L5=100 km, Scs=5000 MVA, Sccx=5000 MVA, Sccr=5000 MVA, Sccy=5000 MVA, Kx0=1, Kr0=1, Ky0=1		
	Compensacion 21= No		
Parámetro	$k0 = z_{s0}/z_{r0} = 10$		
Falta Doble $m=p$	Falta m Tramo T2 Linea Sup	m	0 . . . 1 (Tramo)
		Tipo	ag
		Elemento	AG
		Rfm	0
		Rgm	--
	Falta p Tramo T2 Linea Inf.	p	0 . . . 1 (Tramo)
		Tipo	ag
		Elemento	AG
		Rfm	0
		Rgm	--
Salida 1	21 Todas las Unidades pu AB,BC,CA,AG,BG,CG	alcanceXrpu	e01
		alcanceRxpua	e02
		alcanceSypu	e03
		alcanceYspu	e04
Salida 2	21 Todas las Unidades pua AB,BC,CA,AG,BG,CG	alcanceXrpua	f01
		alcanceRxpu	f02
		alcanceSypua	f03
		alcanceYspua	f04
Salida 3	67N	Xr	n01
		Rx	n02
		Sy	n03
		Ys	n04
Salida 4	21 R-X	Xr	z01
		Rx	z02
		Sy	z03
		Ys	z04

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida e01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0

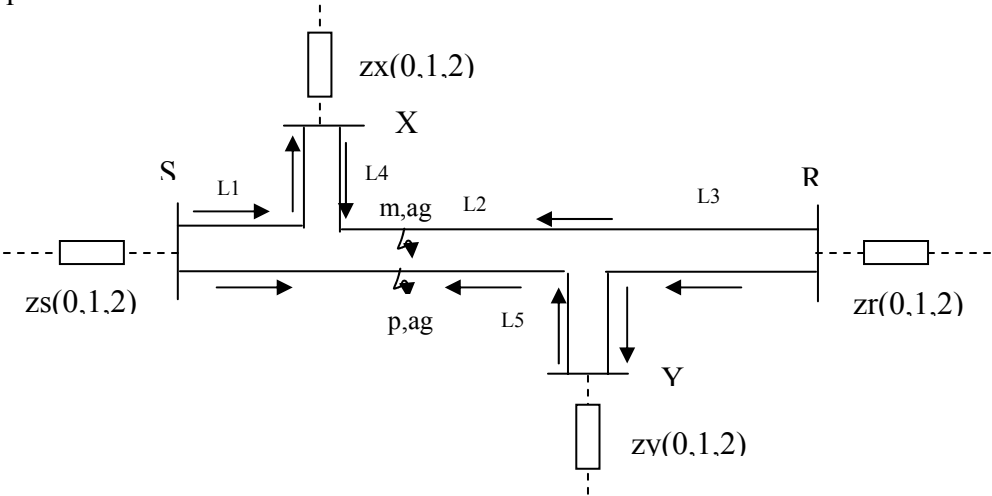


$m(\text{Tramo E1-E2(XR)})$; $p(\text{Tramo E1-E2(SY)})$

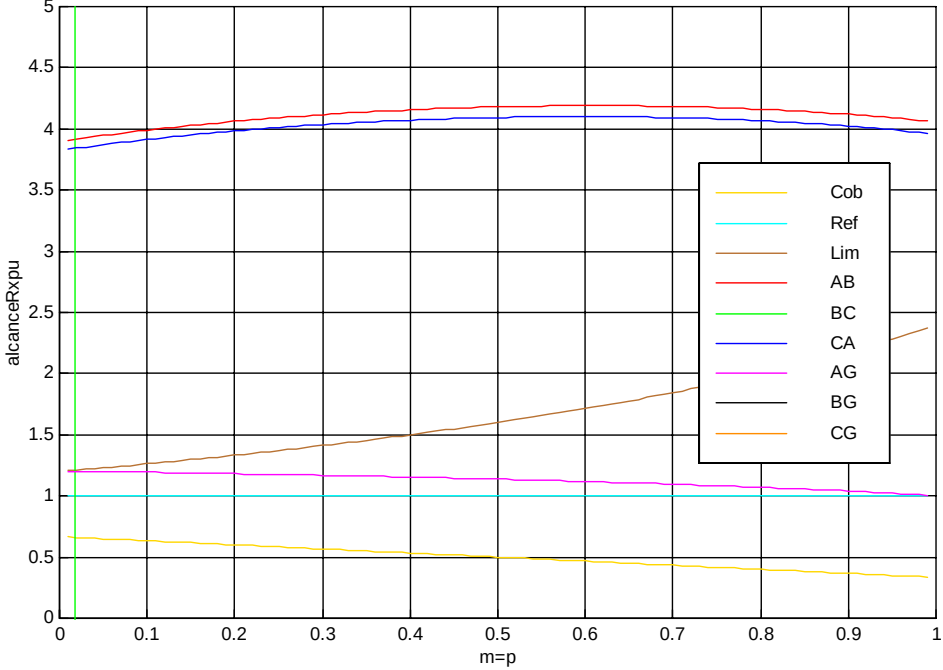
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>0.67	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida e02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scxs=5000 ,Sccx=5000 ,Scsr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0

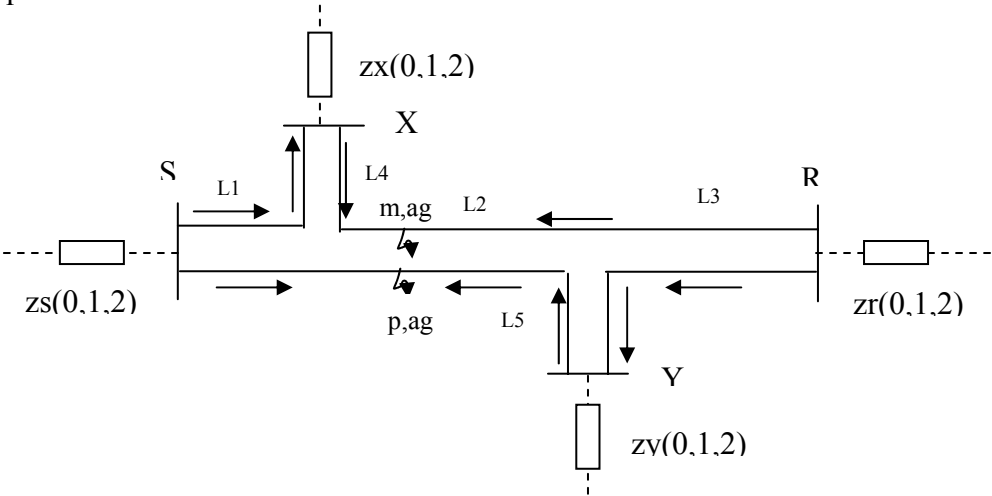


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

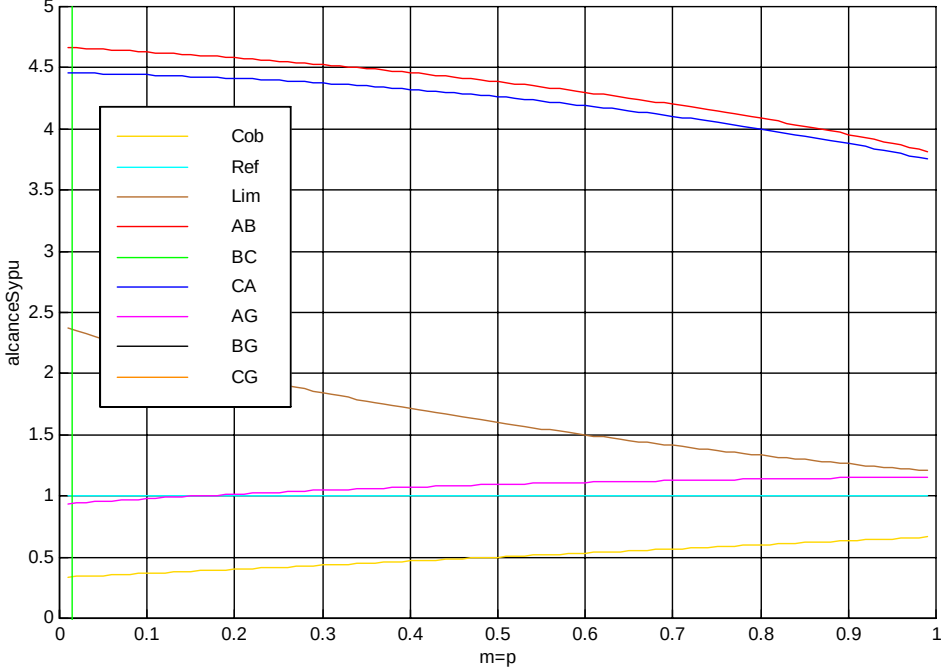
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	0.66	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida e03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scxs=5000 ,Sccx=5000 ,Scsr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0

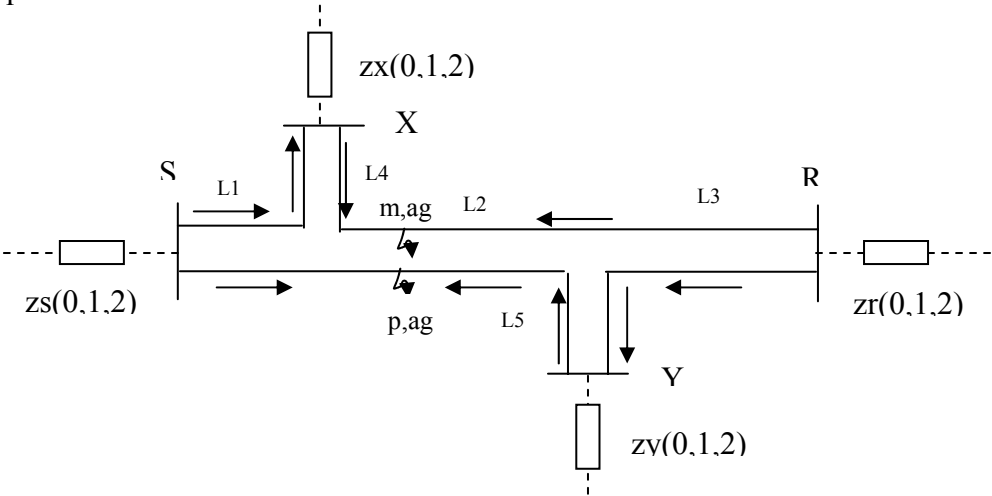


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

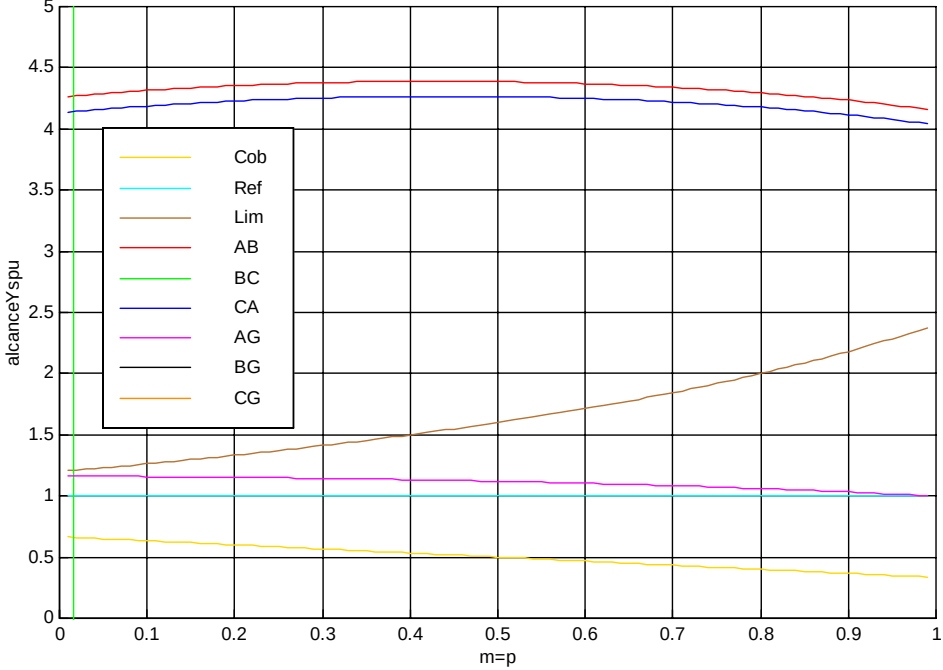
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>0.67	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida e04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0

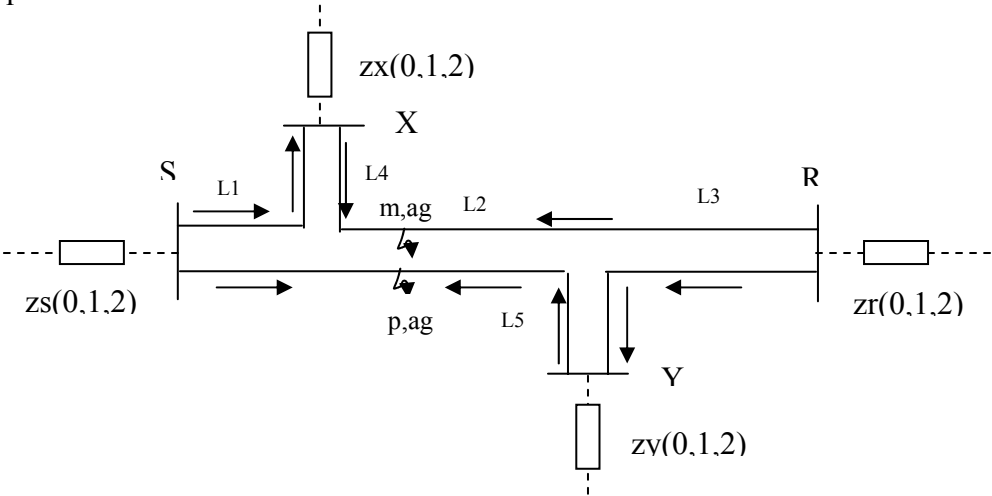


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

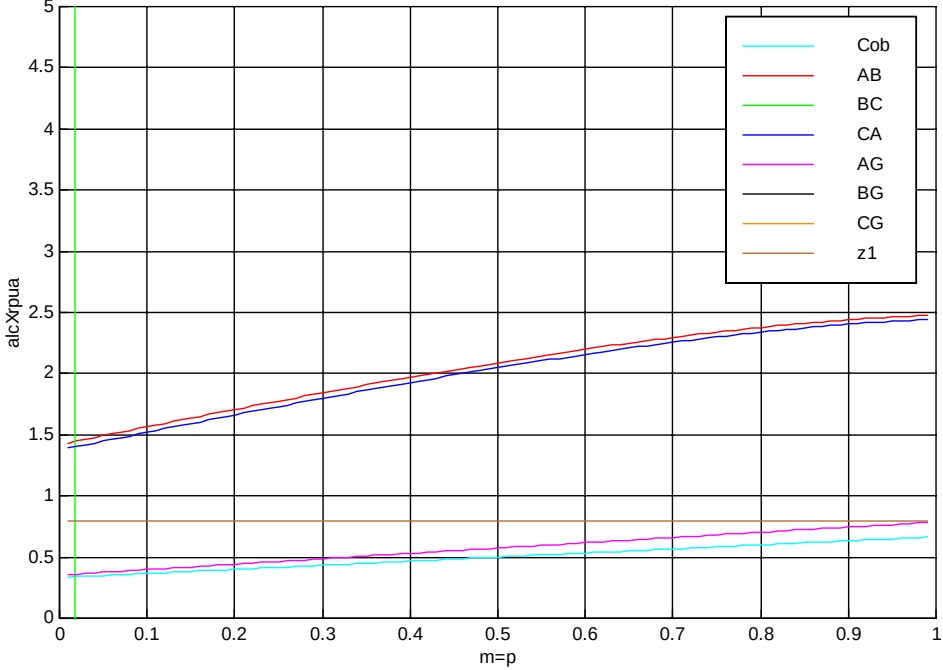
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	>0.67	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida f01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0

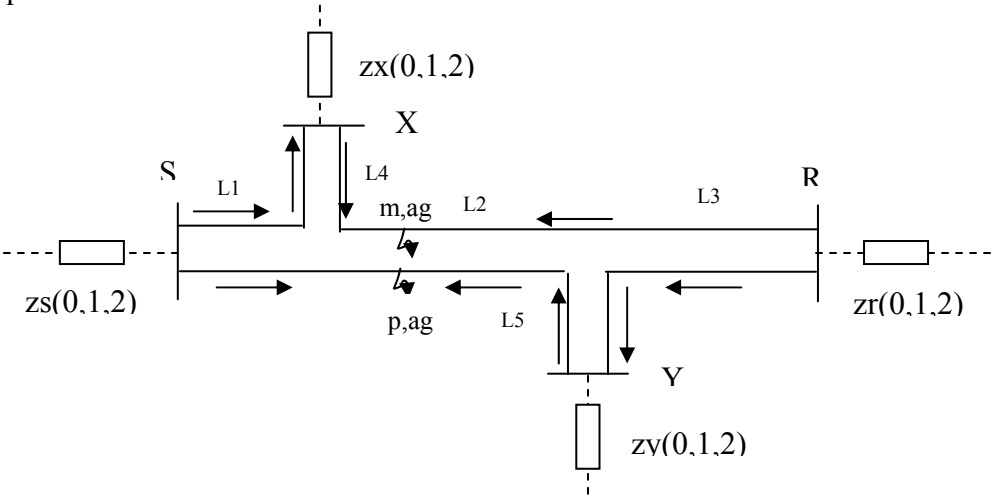


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

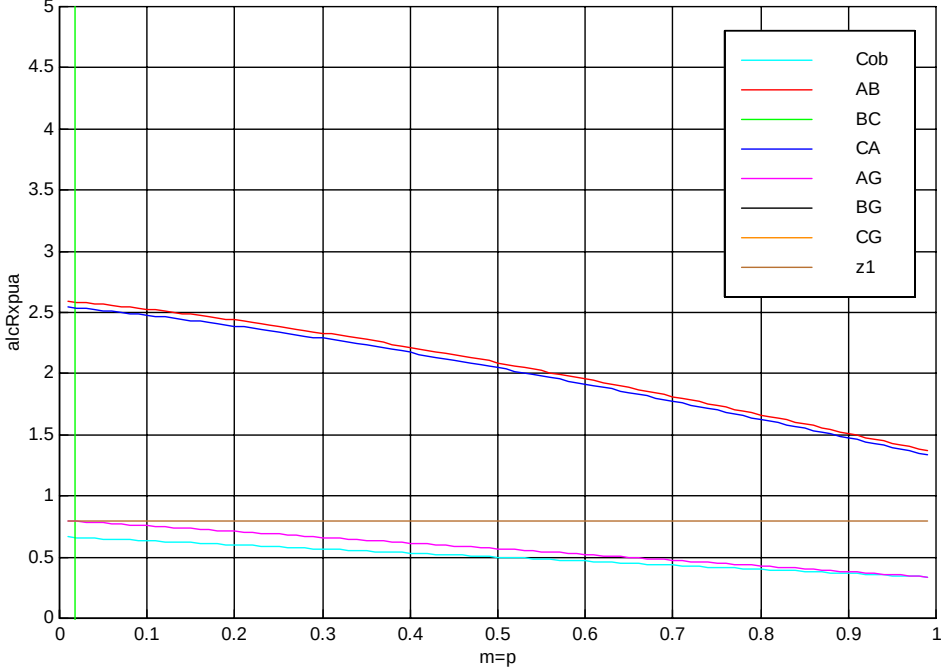
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>0.67	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida f02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0

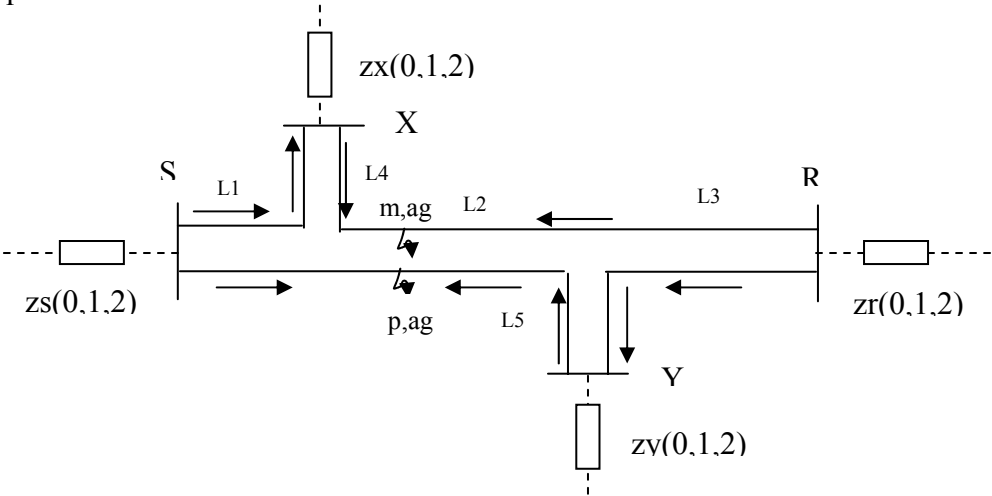


$m(\text{Tramo E1-E2(XR)})$; $p(\text{Tramo E1-E2(SY)})$

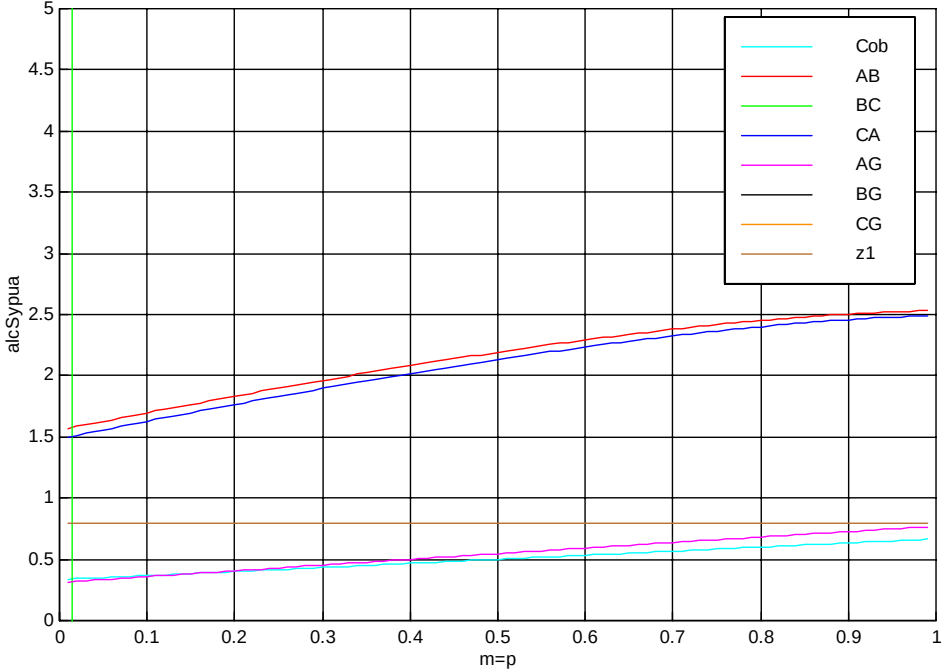
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	0.66	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida f03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0

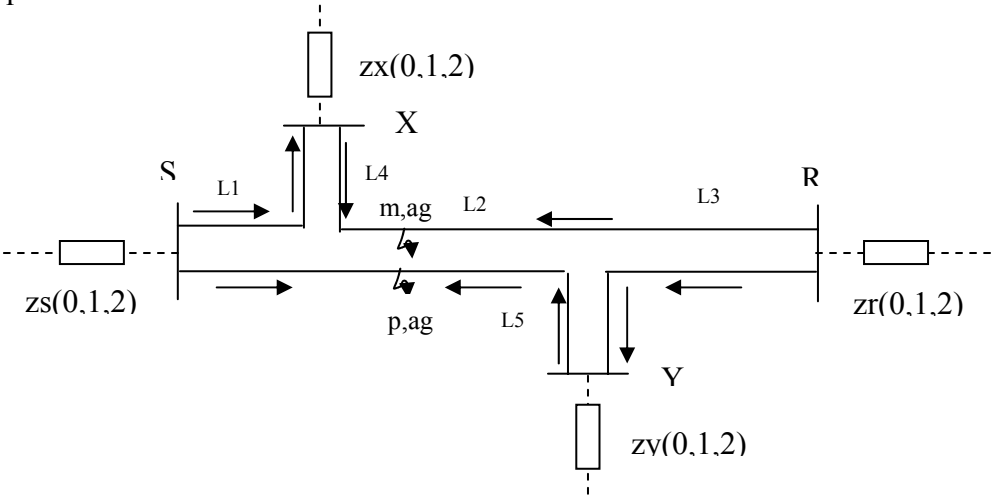


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

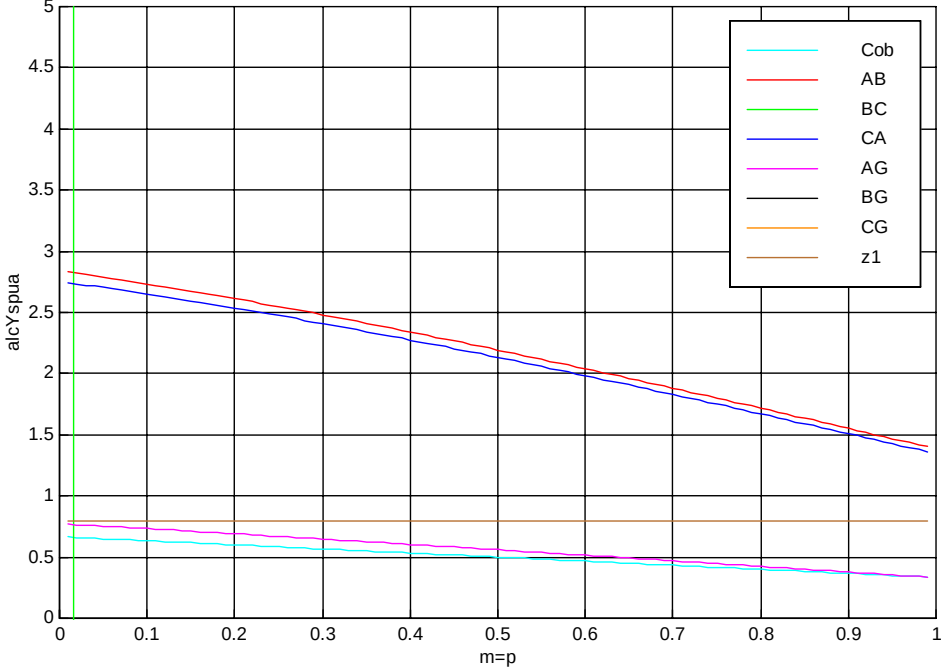
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>0.67	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida f04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0



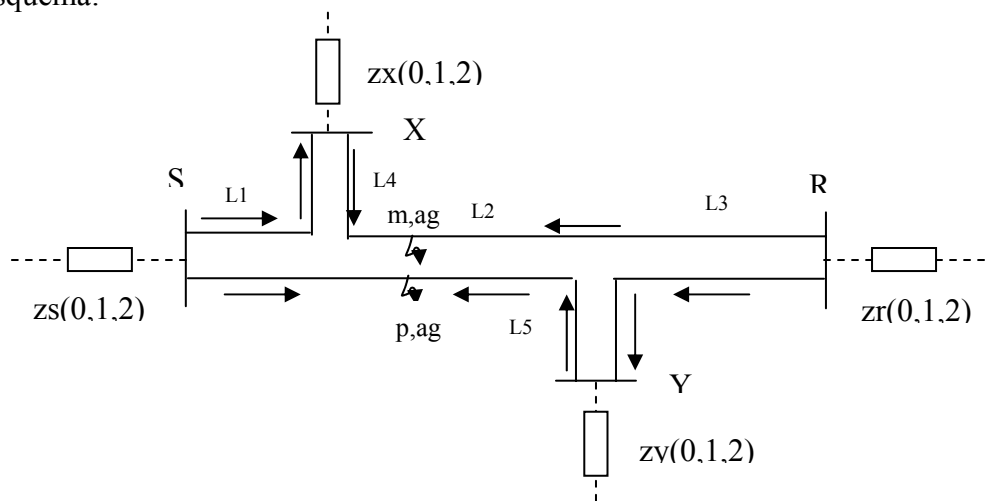
m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	>0.67	--	--

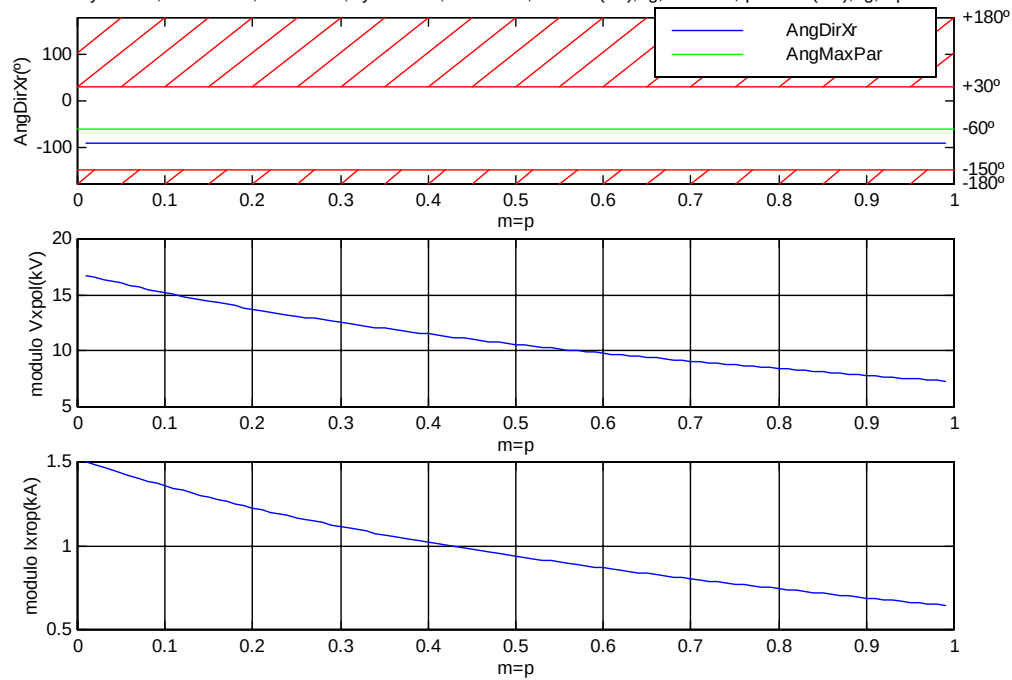
Programa: PG54ic

Caso Standard, Falta ag-ag: Salida n01

Esquema:



PG54ic, m=p, 67N, 220kV, kE=1.00, L1=100km, L2=100km, L3=100km, L4=100km, L5=100km, Sccs=5000, Sccx=5000, Sccr=5000
 Sccy=5000, Kx0=1.00, Kr0=1.00, Ky0=1.00, k0=10.00, m: E1E2(XR), ag, Rfm=0, p: E1E2(SY), ag, Rfp=0



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Direccionalidad: m=0...1

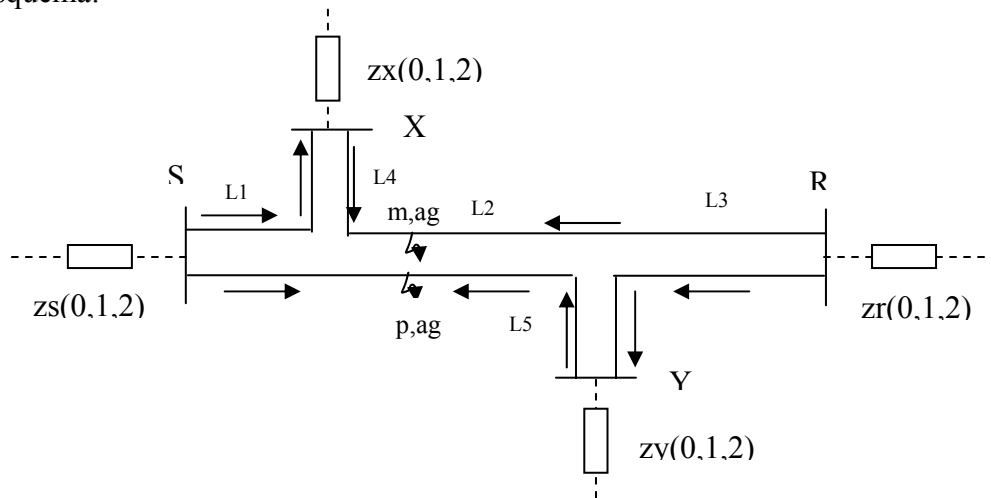
Sensibilidad de Tensión : decreciente (con m)

Sensibilidad de Corriente: decreciente (con m)

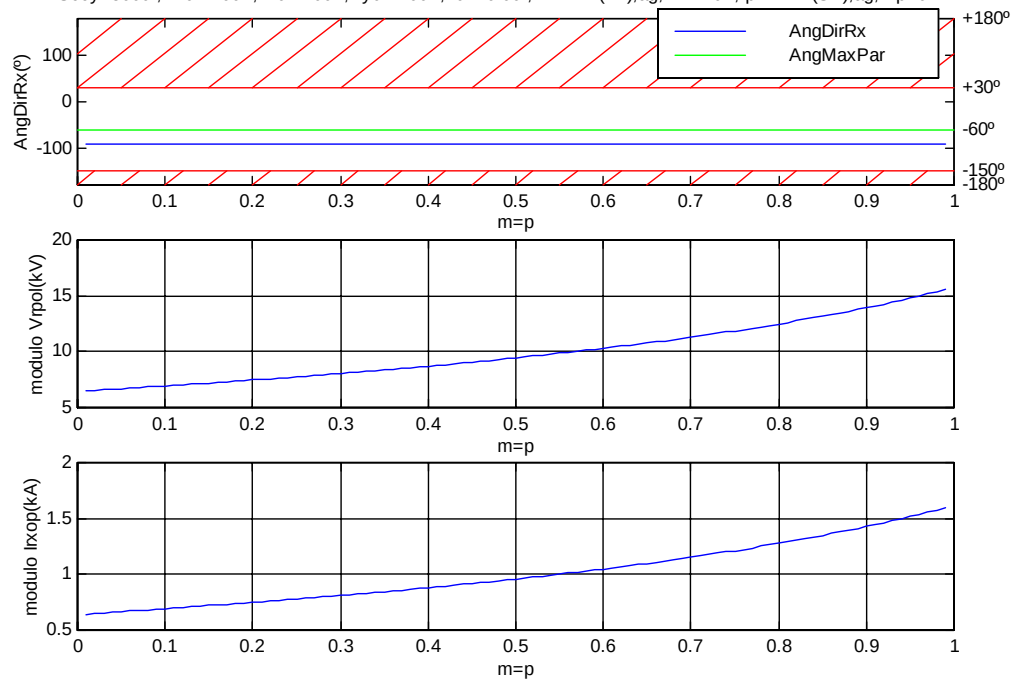
Programa: PG54ic

Caso Standard, Falta ag-ag: Salida n02

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Sccx=5000 ,Scrr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:E1E2(XR),ag, Rfm=0 , p: E1E2(SY),ag,Rfp=0



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Direccionalidad: 1-m=0...1

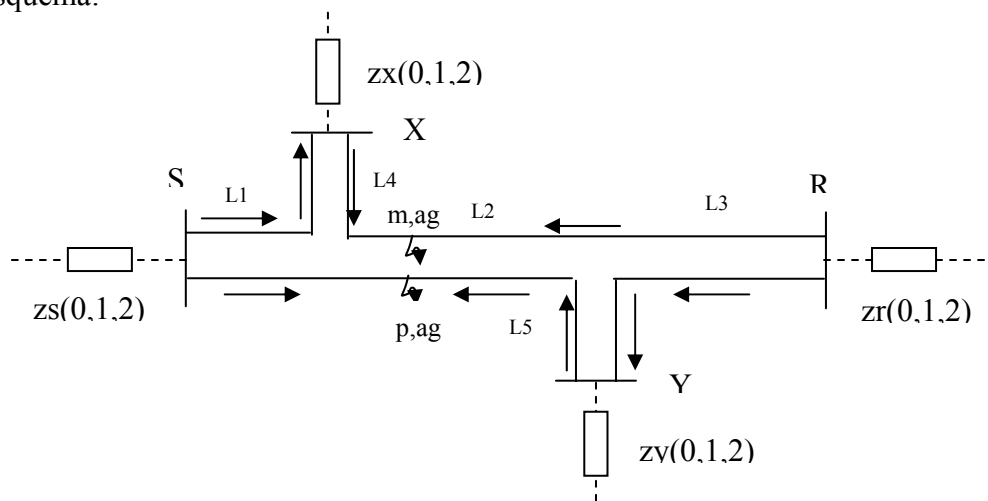
Sensibilidad de Tensión : decreciente (con 1-m)

Sensibilidad de Corriente: decreciente (con 1-m)

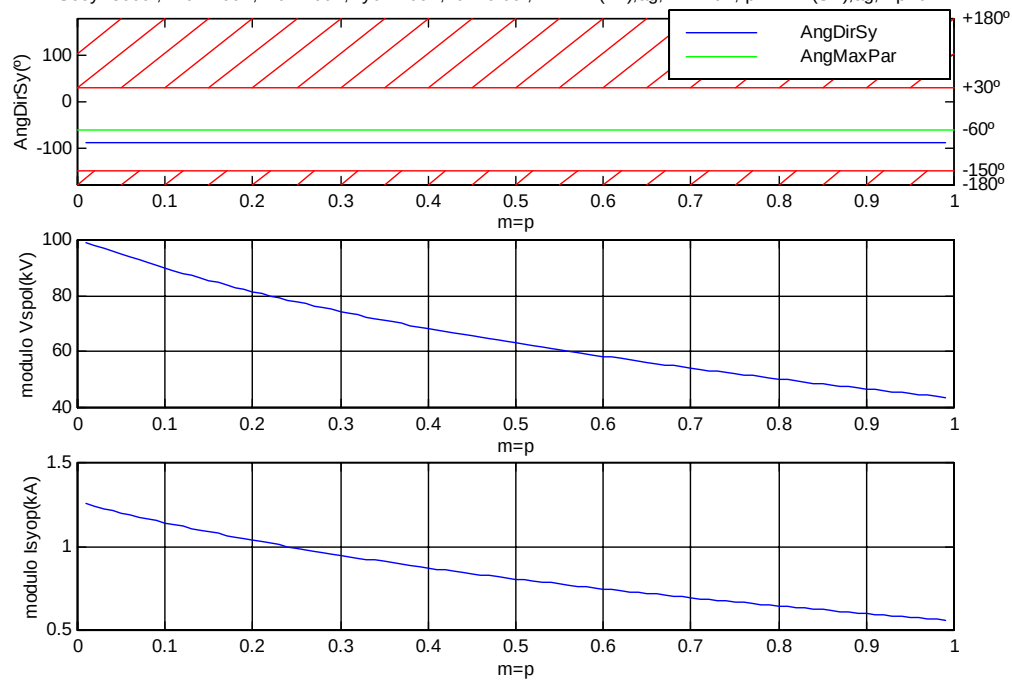
Programa: PG54ic

Caso Standard, Falta ag-ag: Salida n03

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:E1E2(XR),ag, Rfm=0 , p: E1E2(SY),ag,Rfp=0



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Direccionalidad: m=0...1

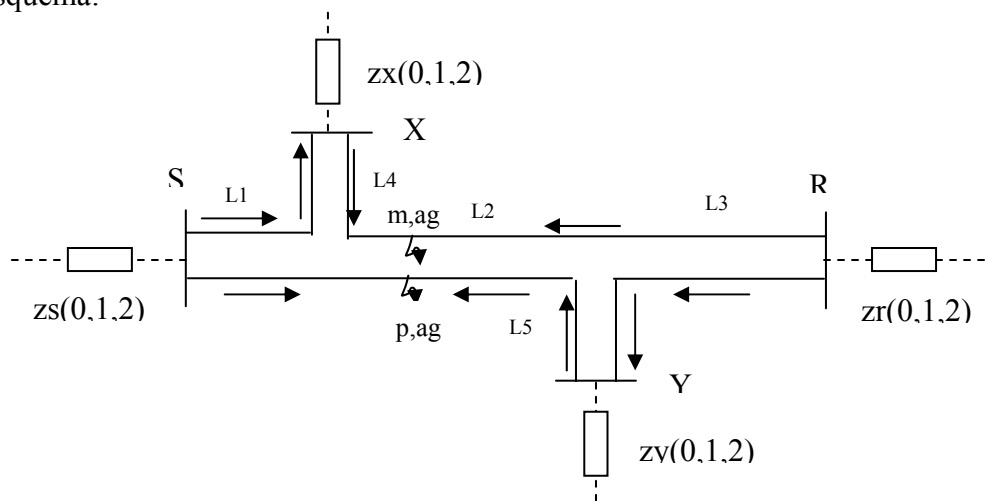
Sensibilidad de Tensión : decreciente (con m)

Sensibilidad de Corriente: decreciente (con m)

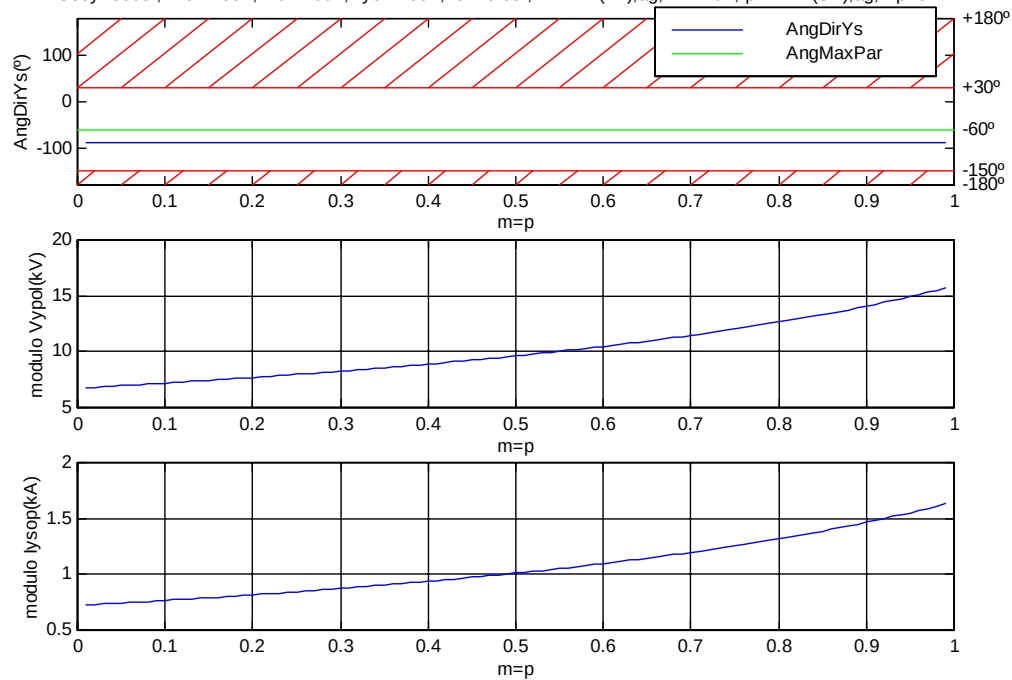
Programa: PG54ic

Caso Standard, Falta ag-ag: Salida n04

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Sccx=5000 ,Scrr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:E1E2(XR),ag, Rfm=0 , p: E1E2(SY),ag,Rfp=0



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

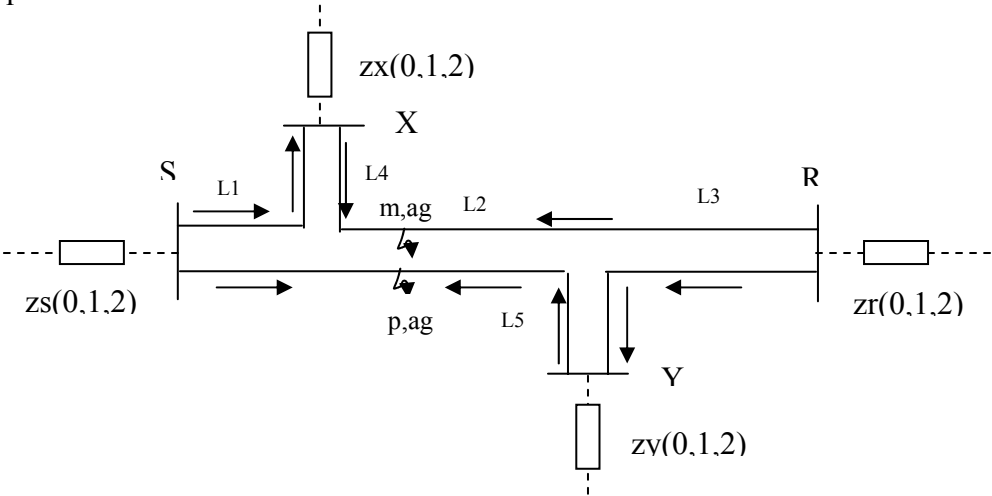
Direccionalidad: 1-m=0...1

Sensibilidad de Tensión : decreciente (con 1-m)

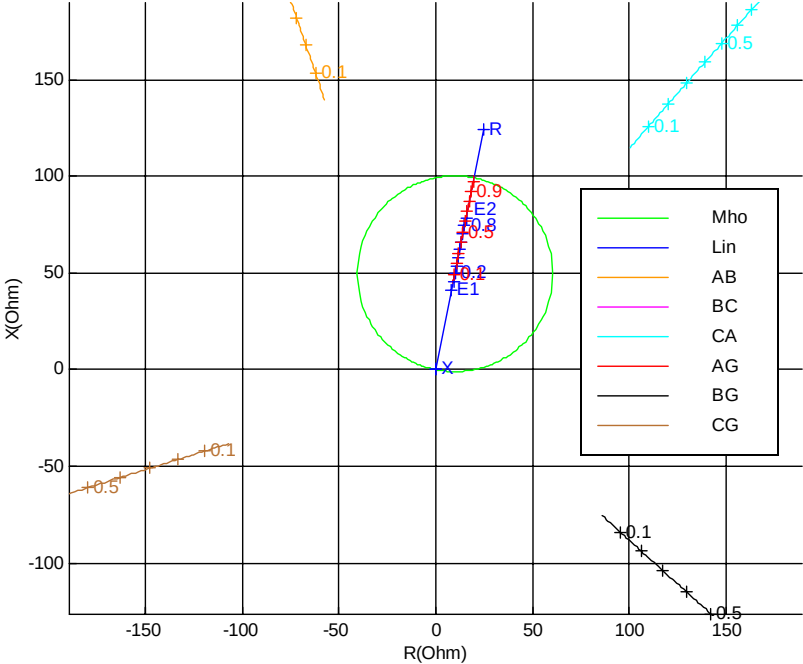
Sensibilidad de Corriente: decreciente (con 1-m)

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida z01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0 , Extr: Xr



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	>0.67	--	--

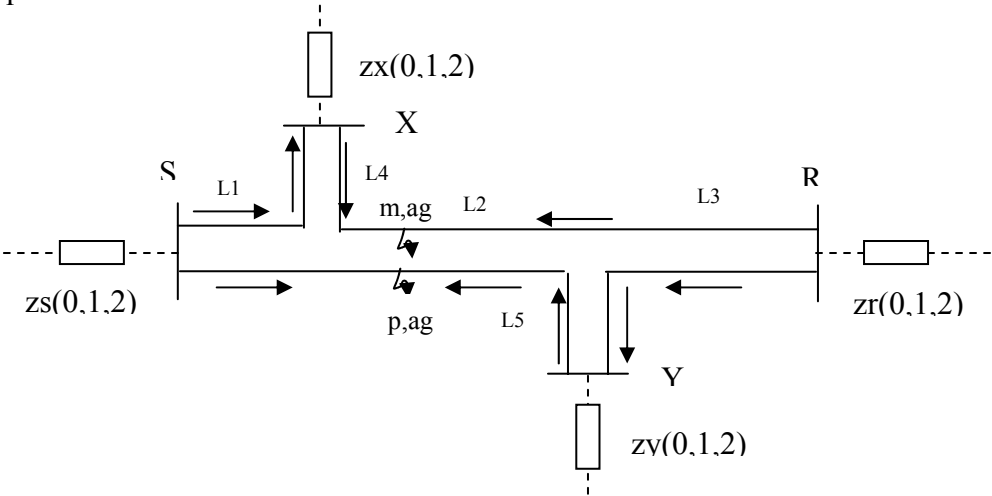
Caso Standard, Falta ag-ag: Salida z02

The diagram illustrates a 2D environment with three robots (X, Y, Z) and a central corridor. Robot X is at the top, Robot Y is at the bottom, and Robot Z is in the middle. The corridor is defined by two vertical walls. The robots are moving towards the center of the corridor. The diagram is labeled with various parameters: L_1, L_2, L_3, L_4, L_5 for distances; m, ag for robot X; p, ag for robot Y; and $zs(0,1,2), zx(0,1,2), zr(0,1,2)$ for robot Z's position. The corridor is labeled S and R at the ends.

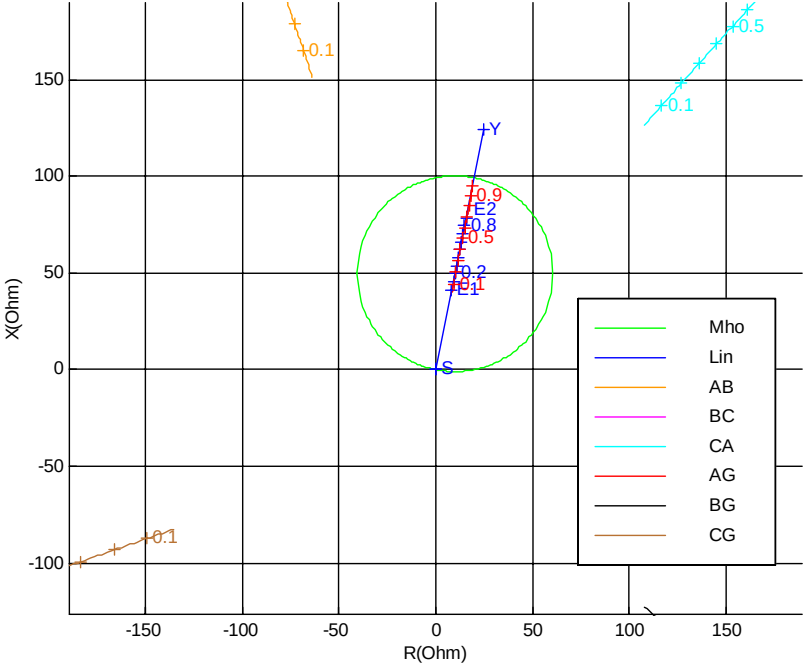
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	0.66	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida z03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0 , Extr: Sy

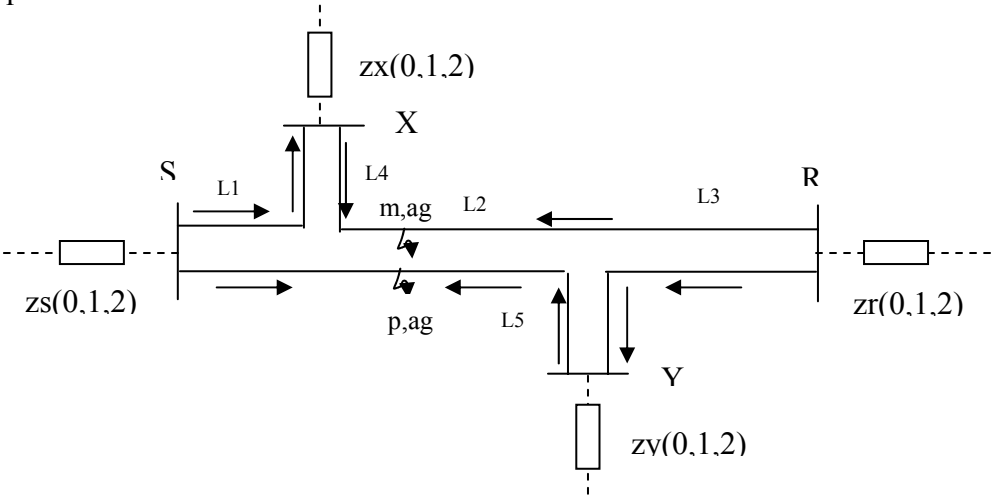


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

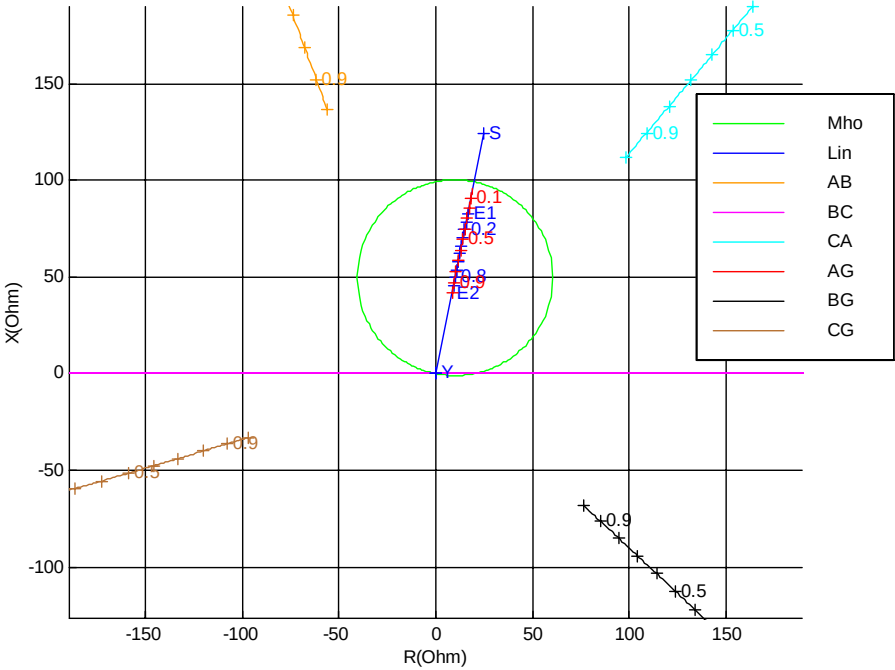
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	>0.67	--	--

Programa: PG54ic
Caso Standard, Falta ag-ag: Salida z04

Esquema:



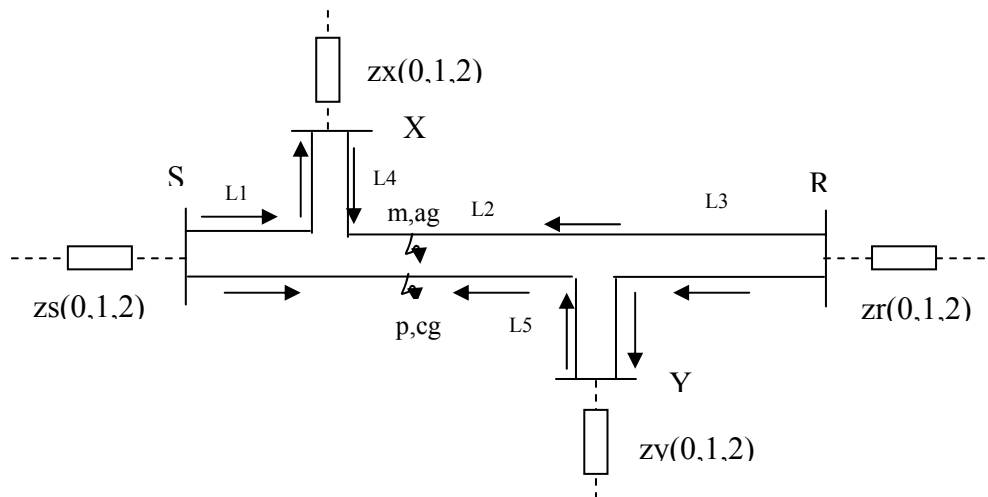
PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),ag,Rfp=0 , Extr: Ys



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	>0.67	--	--

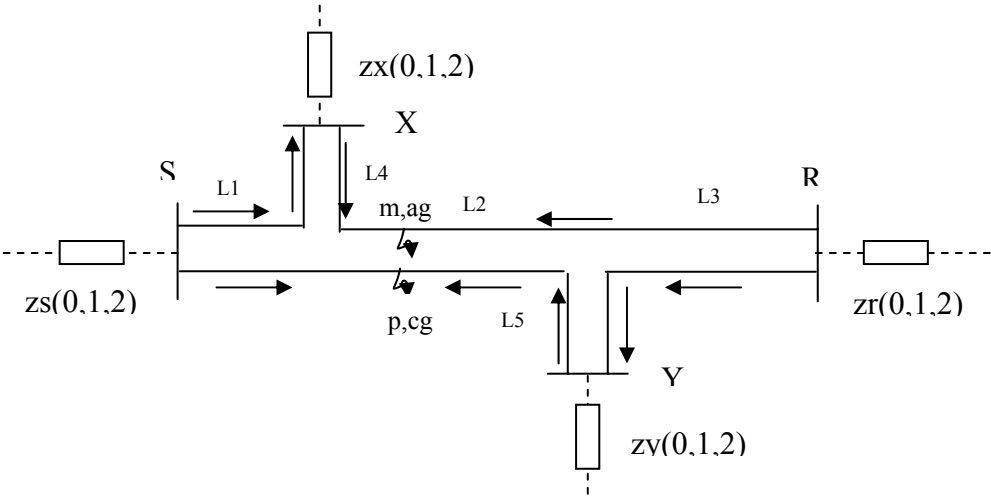
Esquema:



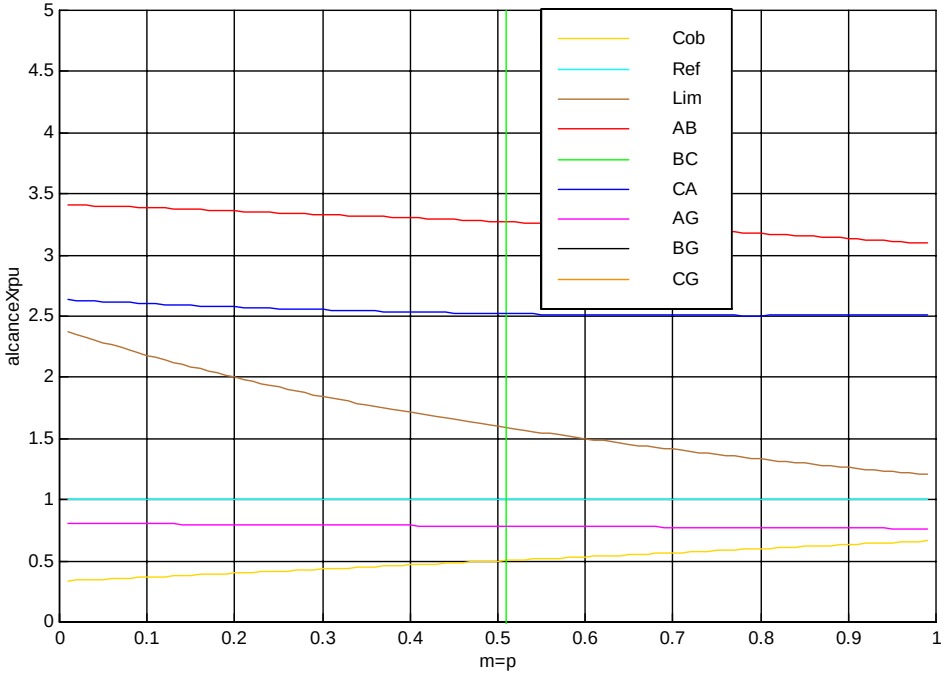
Programa	PG54ic		
Entrada Standard	Un=220 kV, kE=1, L1=100 km, L2=100 km, L3=100 km, L4=100 km, L5=100 km, Scs=5000 MVA, Scx=5000 MVA, Sccr=5000 MVA, Scy=5000 MVA, Kx0=1, Kr0=1, Ky0=1		
	Compensacion 21= No		
Parámetro	k0 = zs0/zr0 = 10		
Falta Doble m=p	Falta m Tramo T2 Linea Sup	m	0 . . . 1 (Tramo)
		Tipo	ag
		Elemento	AG
		Rfm	0
		Rgm	--
	Falta p Tramo T2 Linea Inf.	p	0 . . . 1 (Tramo)
		Tipo	cg
		Elemento	CG
		Rfm	0
		Rgm	--
Salida 1	21 Todas las Unidades pu AB,BC,CA,AG,BG,CG	alcanceXrpu	e01
		alcanceRxpua	e02
		alcanceSypu	e03
		alcanceYspu	e04
Salida 2	21 Todas las Unidades pua AB,BC,CA,AG,BG,CG	alcanceXrpua	f01
		alcanceRxpu	f02
		alcanceSypua	f03
		alcanceYspua	f04
Salida 3	67N	Xr	n01
		Rx	n02
		Sy	n03
		Ys	n04
Salida 4	21 R-X	Xr	z01
		Rx	z02
		Sy	z03
		Ys	z04

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida e01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>Tramo	--	--

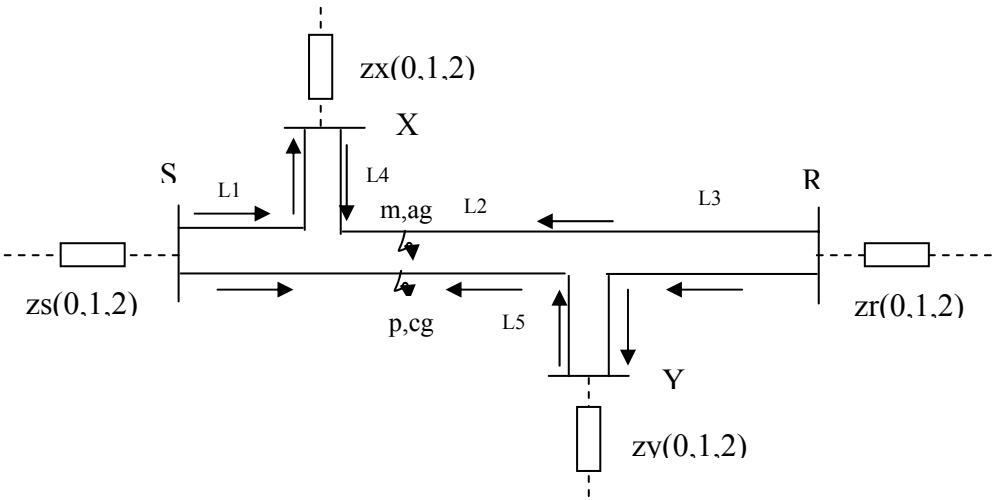
Caso Standard, Tramo T2, Falta ag-cg: Salida e02

Figure 1 is a line graph showing the average number of iterations (alcanRxp) on the y-axis (ranging from 0 to 5) versus the number of iterations (m=p) on the x-axis (ranging from 0 to 1). The graph compares the performance of various methods: Cob (yellow), Ref (cyan), Lim (brown), AB (red), BC (green), CA (blue), AG (magenta), BG (black), and CG (orange). A vertical green line is drawn at m=p=0.5. The methods show different convergence rates, with some methods (like AB and CA) converging faster than others (like Lim and CG).

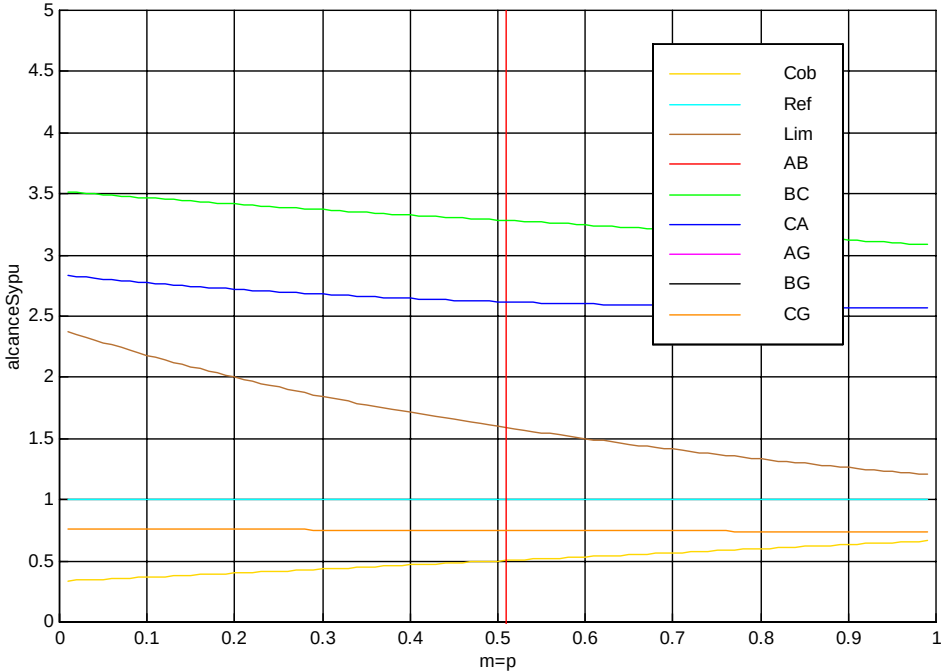
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	>Tramo	--	--

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida e03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0

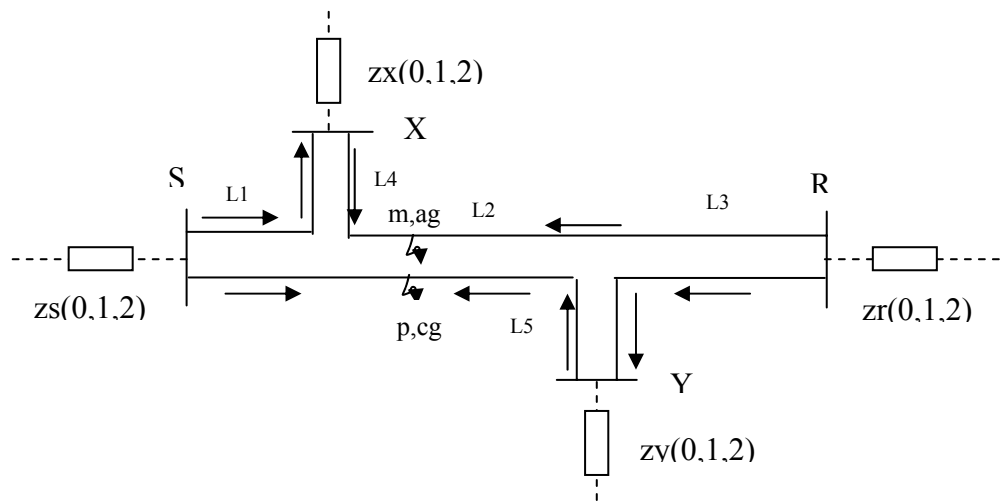


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

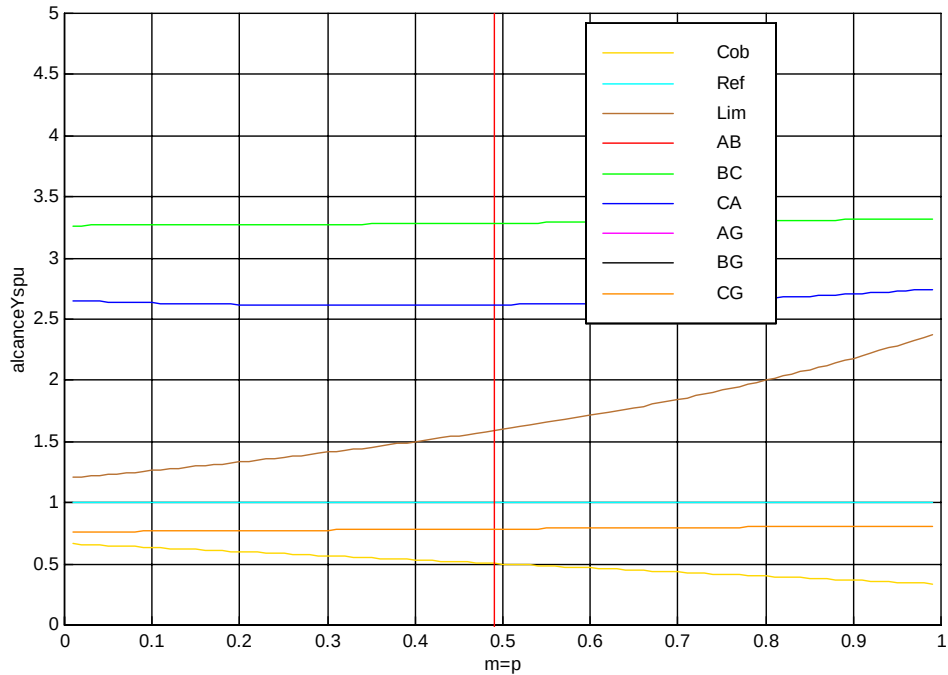
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	--	--	>Tramo

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida e04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0

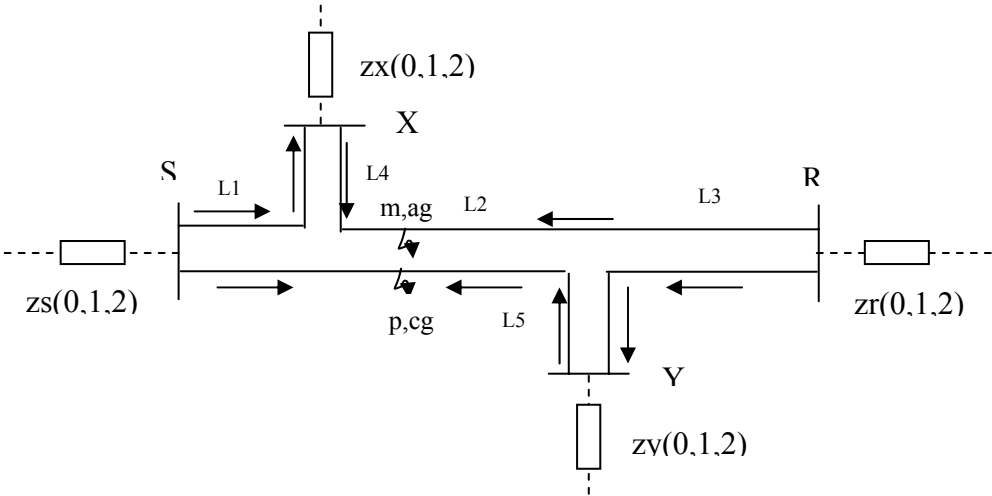


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

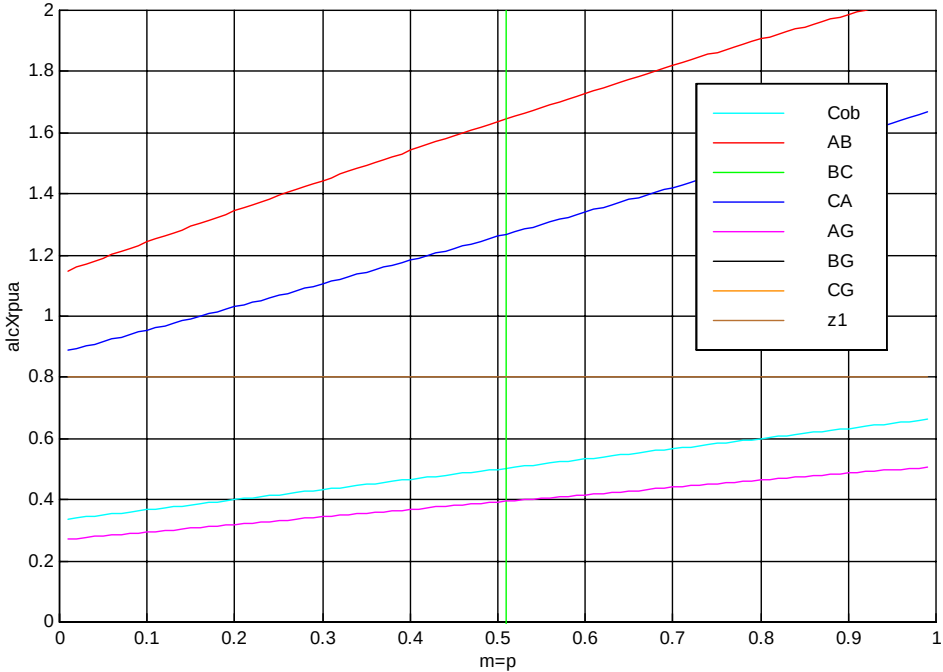
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	--	--	>Tramo

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida f01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0

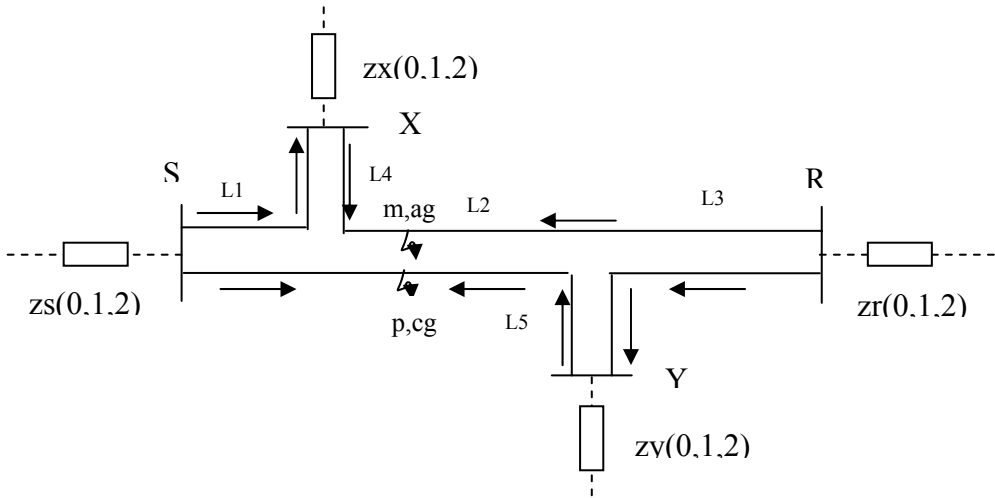


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

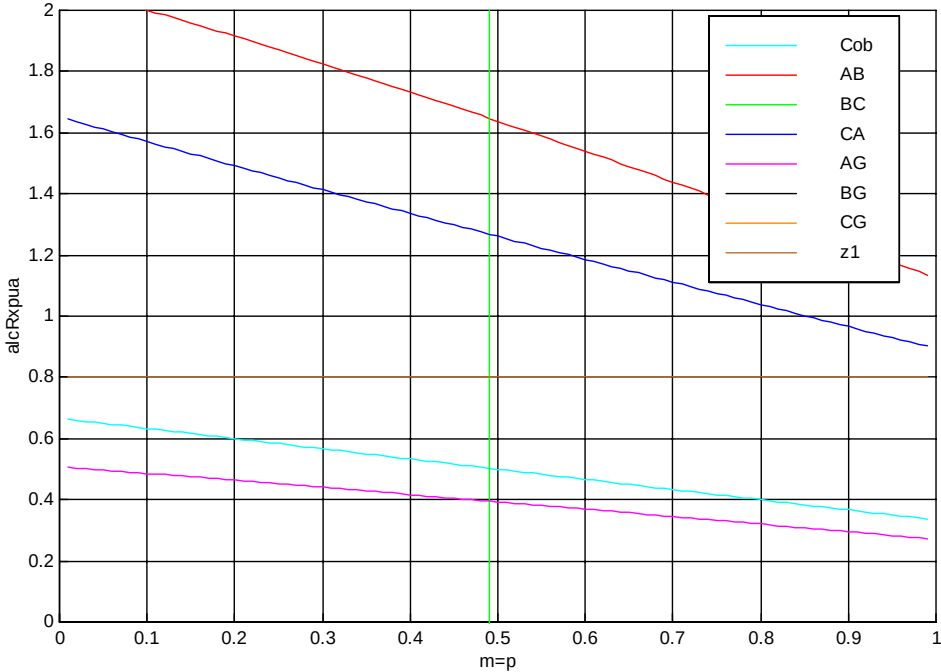
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	>Tramo	--	--

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida f02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Scs=5000 ,Sccx=5000 ,Scsr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0

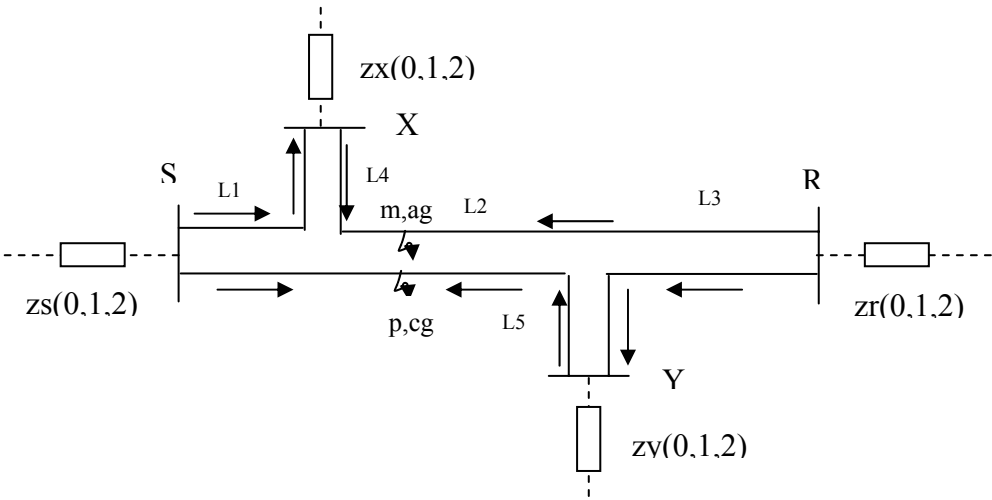


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

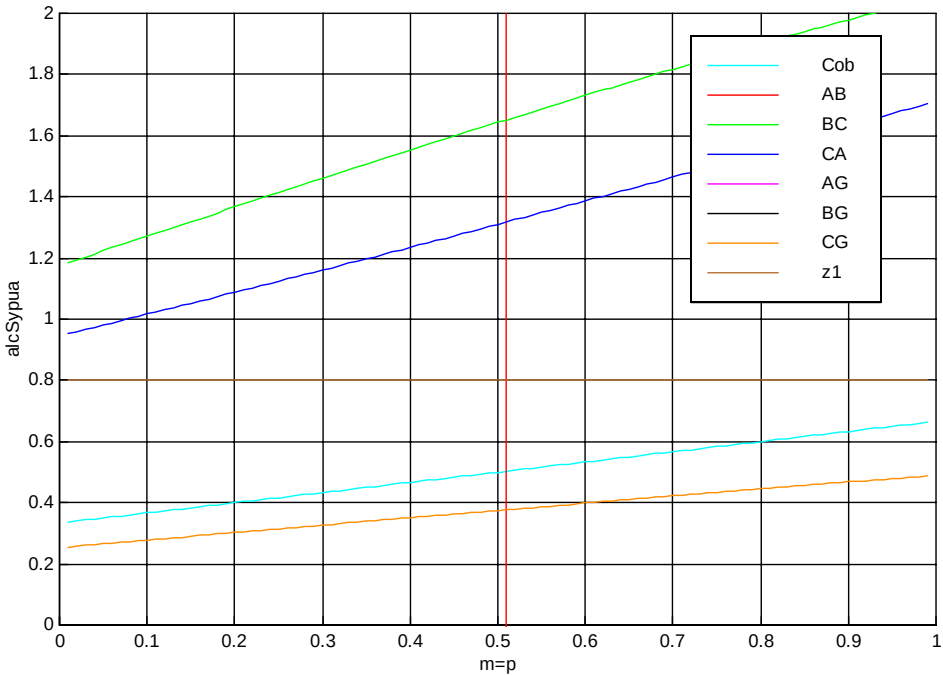
Unidad	AB	BC	CA	AG	BG	CG
Cobertura ←	--	--	--	>Tramo	--	--

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida f03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0

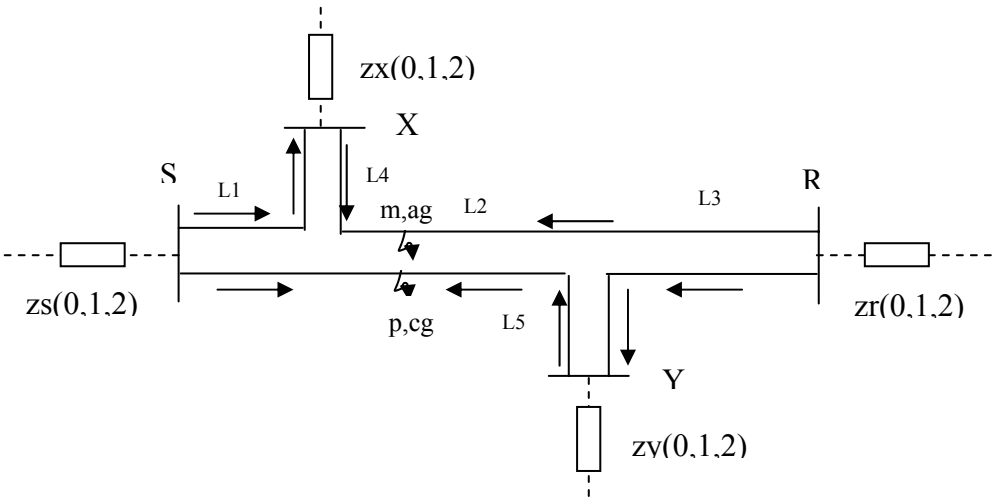


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

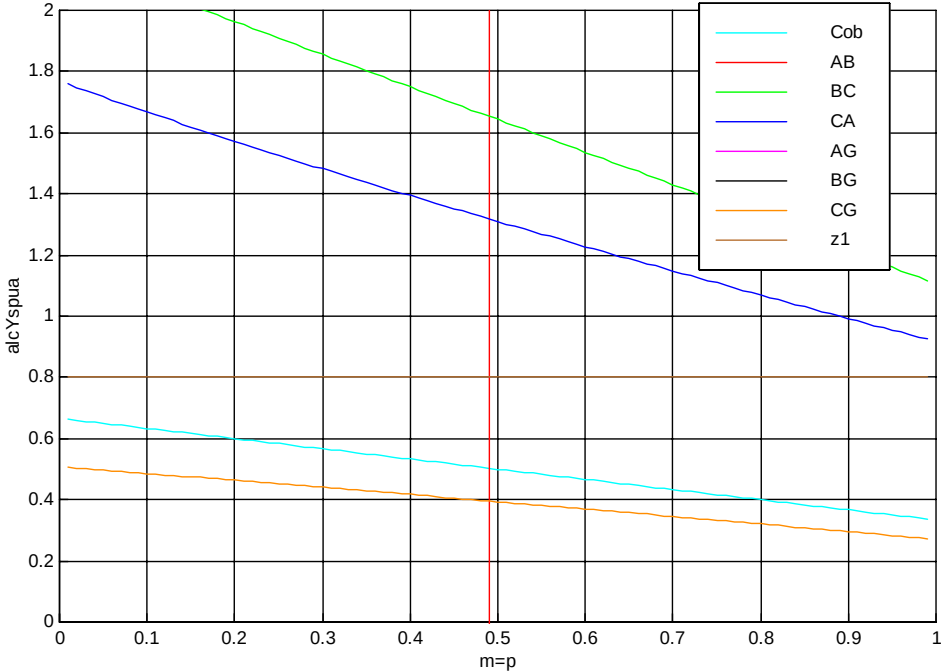
Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	--	--	>Tramo

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida f04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0



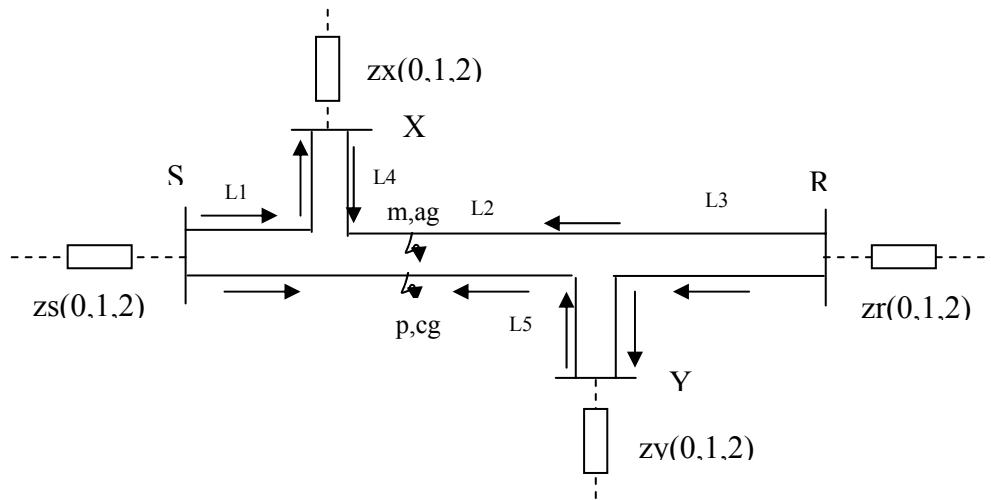
m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura →	--	--	--	--	--	>Tramo

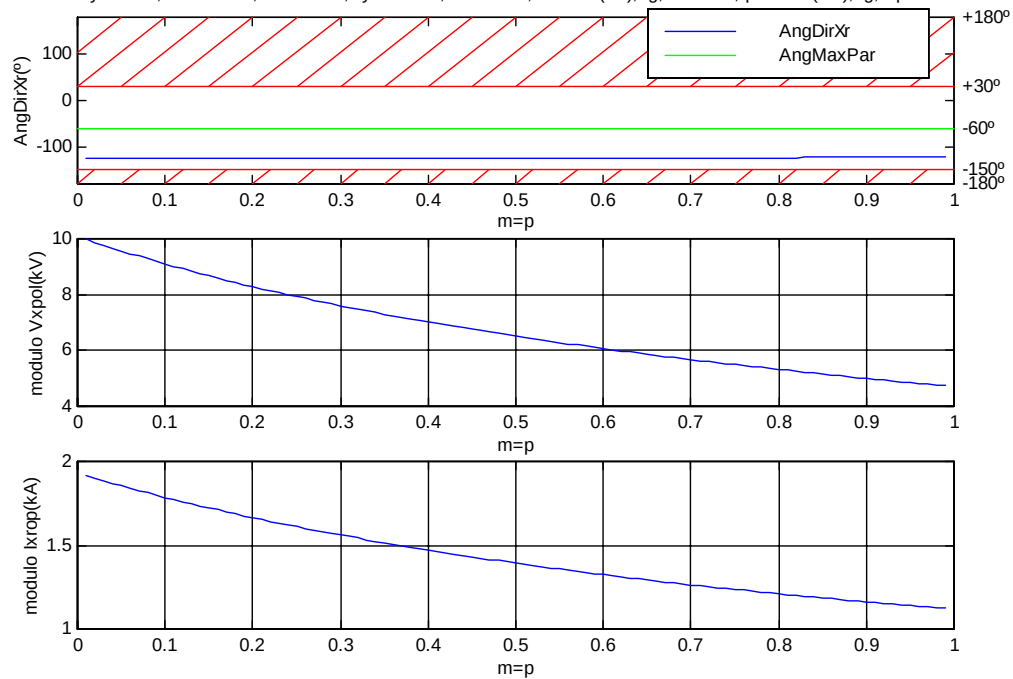
Programa: PG54ic

Caso Standard, Tramo T2, Falta ag-cg: Salida n01

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Direccionalidad: m=0...1 (cerca del límite)

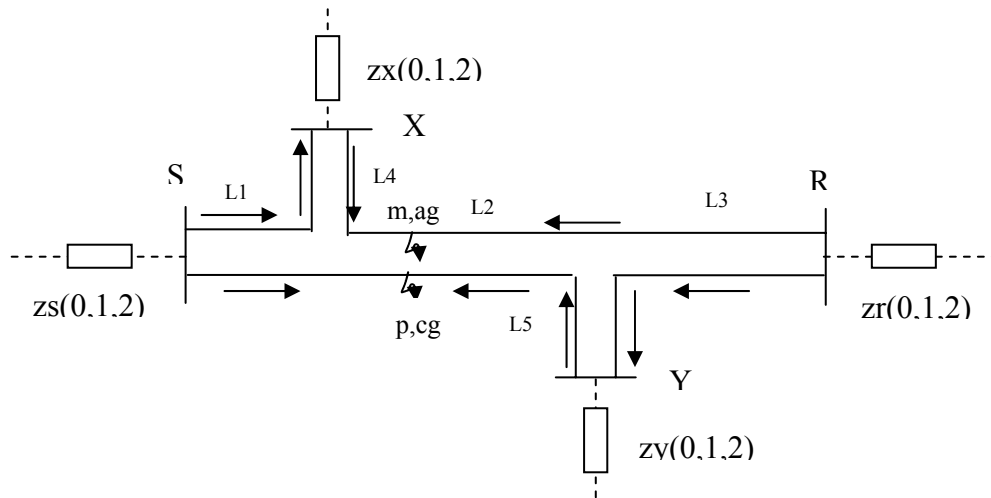
Sensibilidad de Tensión : decreciente (con m)

Sensibilidad de Corriente: decreciente (con m)

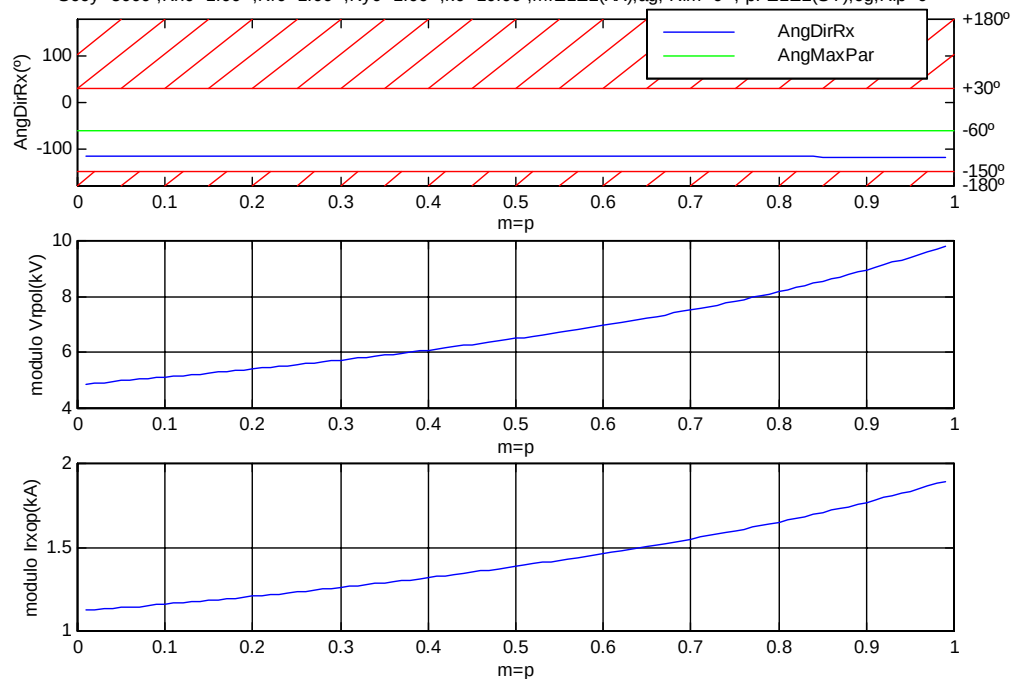
Programa: PG54ic

Caso Standard, Tramo T2, Falta ag-cg: Salida n02

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:E1E2(XR),ag, Rfm=0 , p: E1E2(SY),cg,Rfp=0



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Direccionalidad: 1-m=0...1

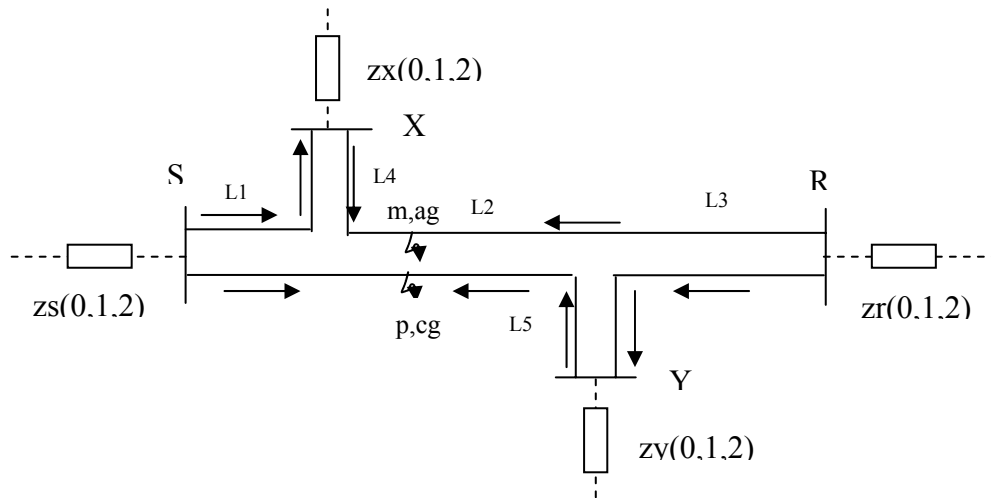
Sensibilidad de Tensión : decreciente (con 1-m)

Sensibilidad de Corriente: decreciente (con 1-m)

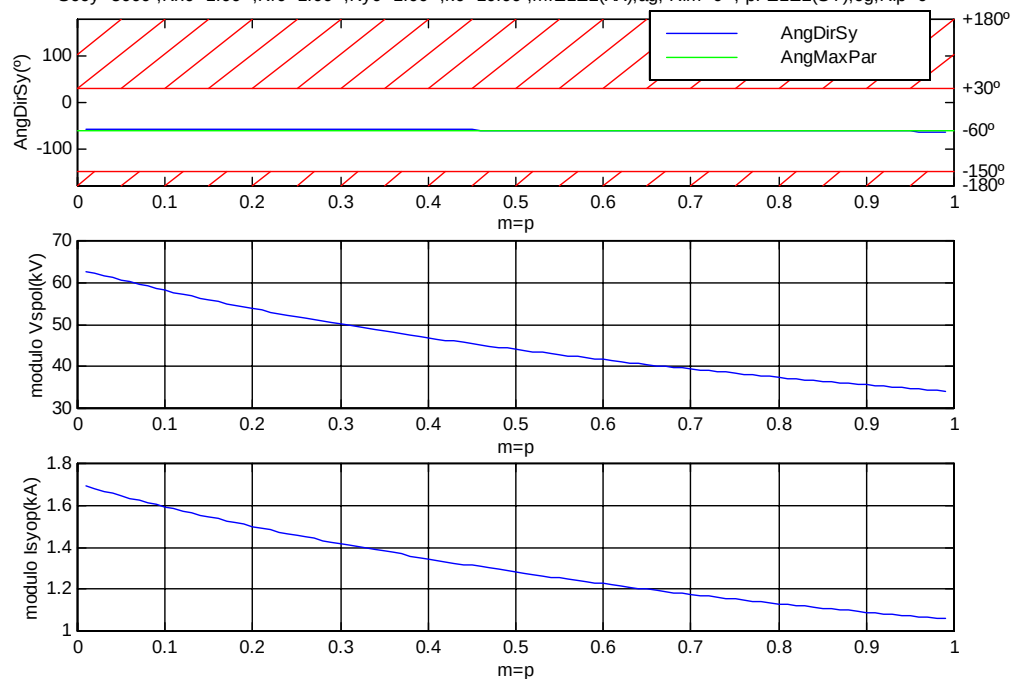
Programa: PG54ic

Caso Standard, Tramo T2, Falta ag-cg: Salida n03

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:E1E2(XR),ag, Rfm=0 , p: E1E2(SY),cg,Rfp=0



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Direccionalidad: p=m=0...1

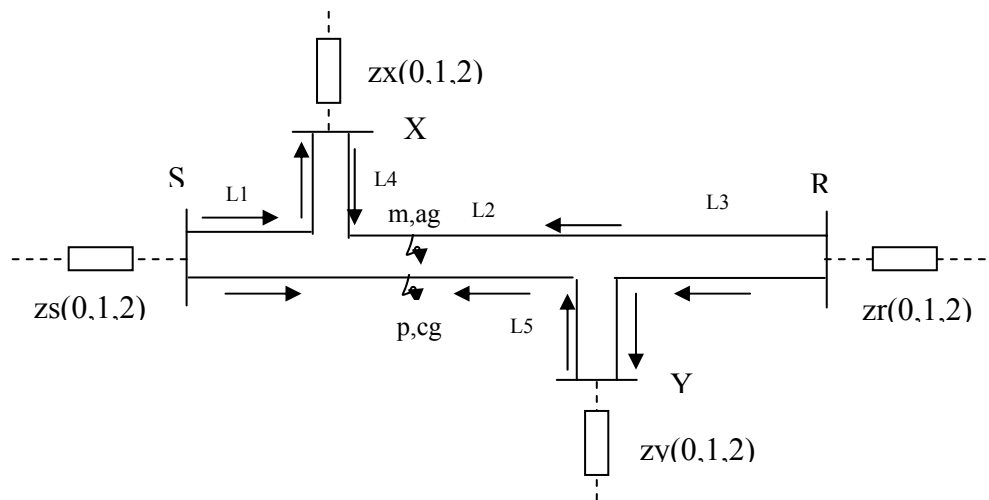
Sensibilidad de Tensión : decreciente (con p=m)

Sensibilidad de Corriente: decreciente (con p=m)

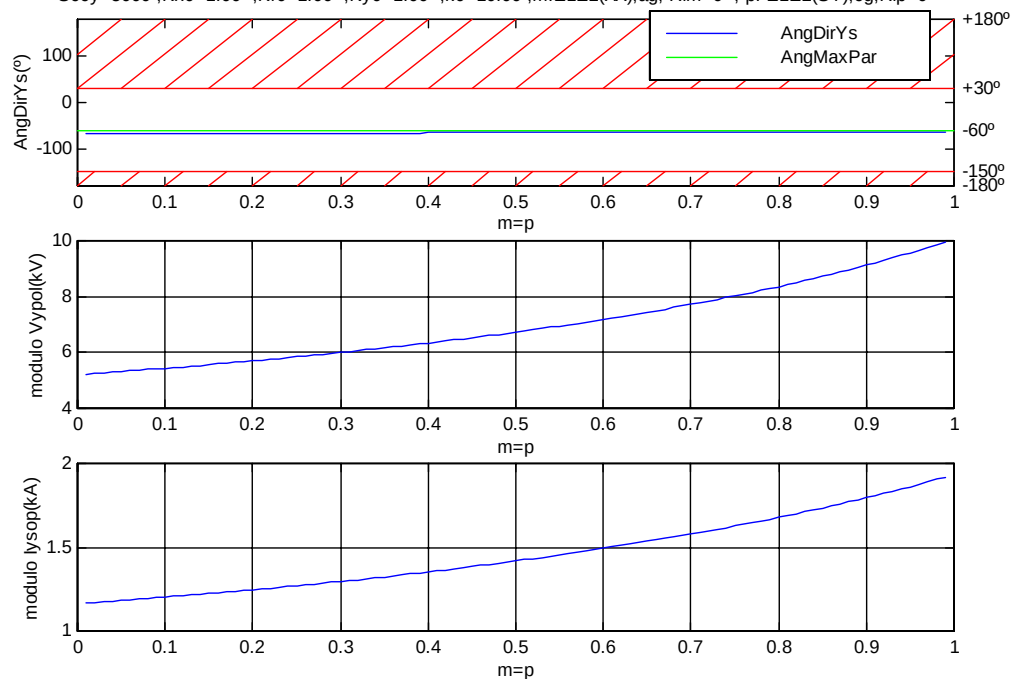
Programa: PG54ic

Caso Standard, Tramo T2, Falta ag-cg: Salida n04

Esquema:



PG54ic,m=p,67N,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
 Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m:E1E2(XR),ag, Rfm=0 , p: E1E2(SY),cg,Rfp=0



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

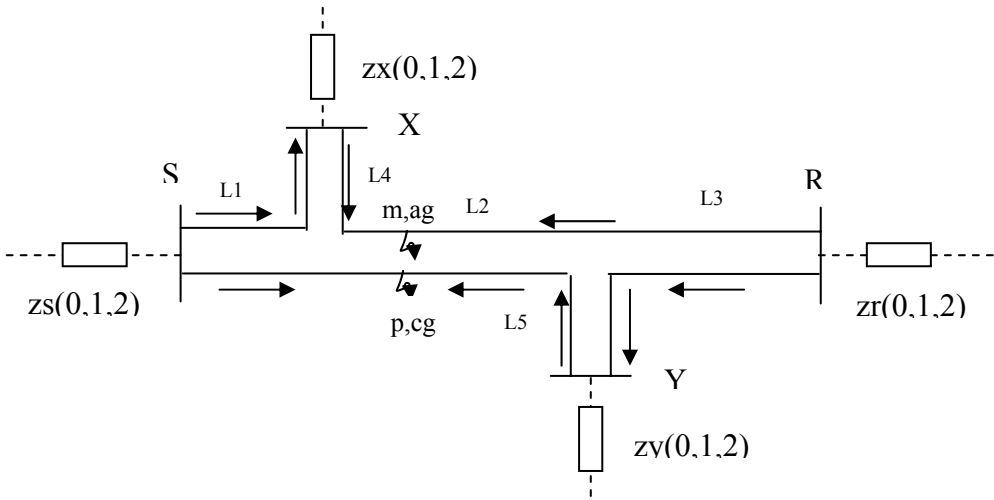
Direccionalidad: 1-p=1-m=0...1

Sensibilidad de Tensión : decreciente (con 1-p=1-m)

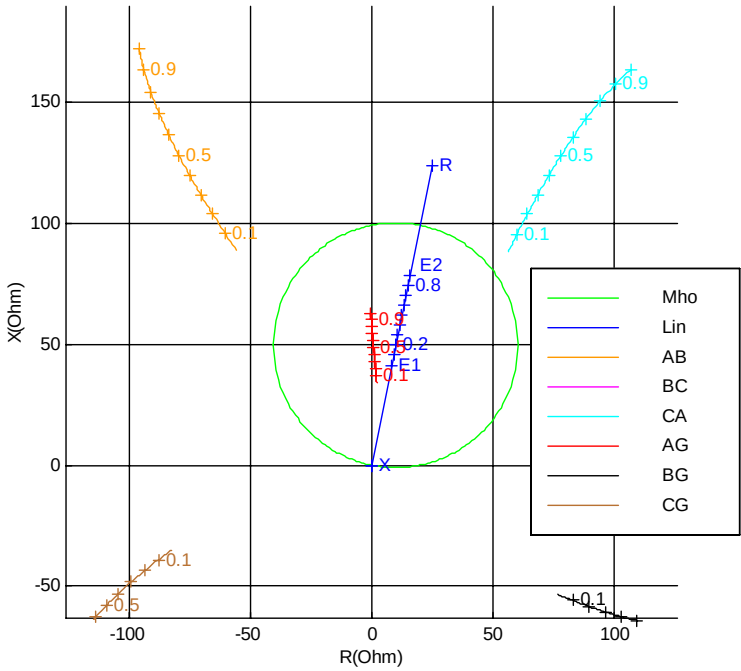
Sensibilidad de Corriente: decreciente (con 1-p=1-m)

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida z01

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0 , Extr: Xr

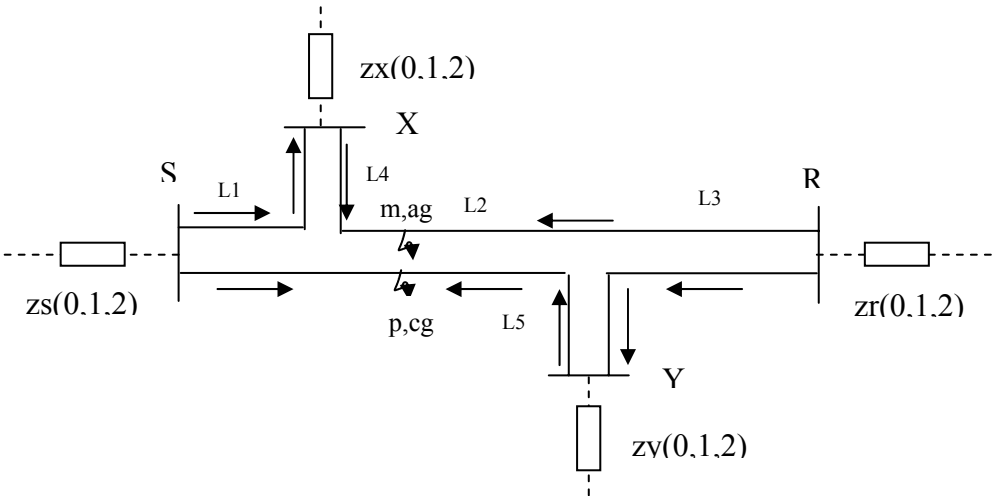


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

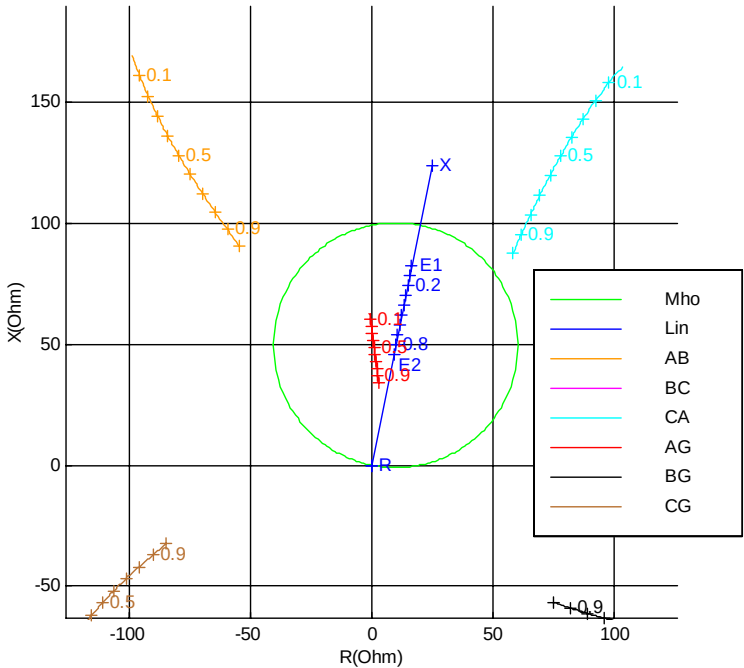
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	>Tramo XE2	--	--

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida z02

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0 , Extr: Rx

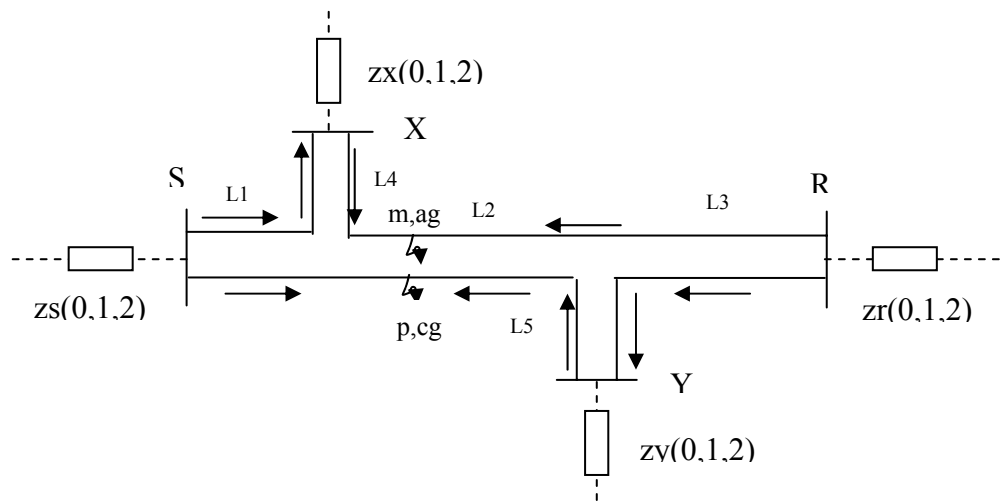


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

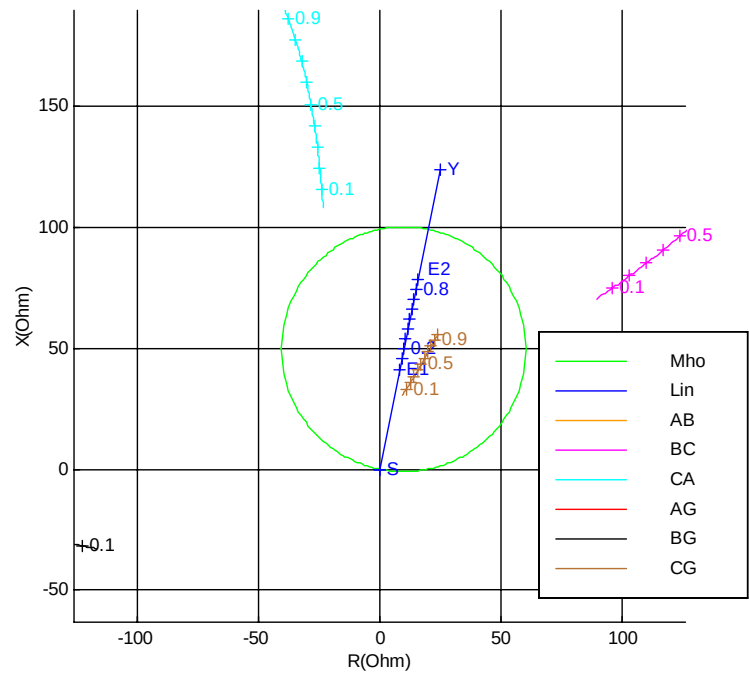
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	>Tramo RE1	--	--

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida z03

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0 ,Extr: Sy

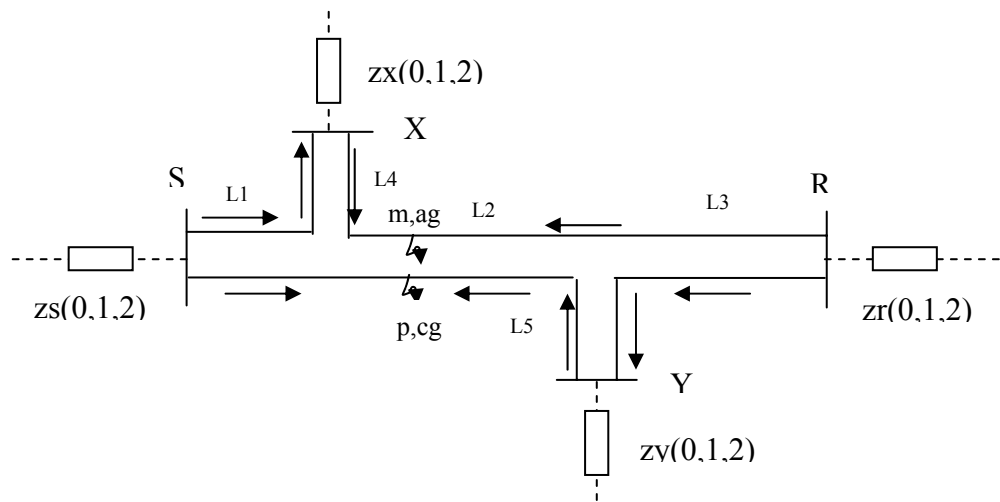


m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

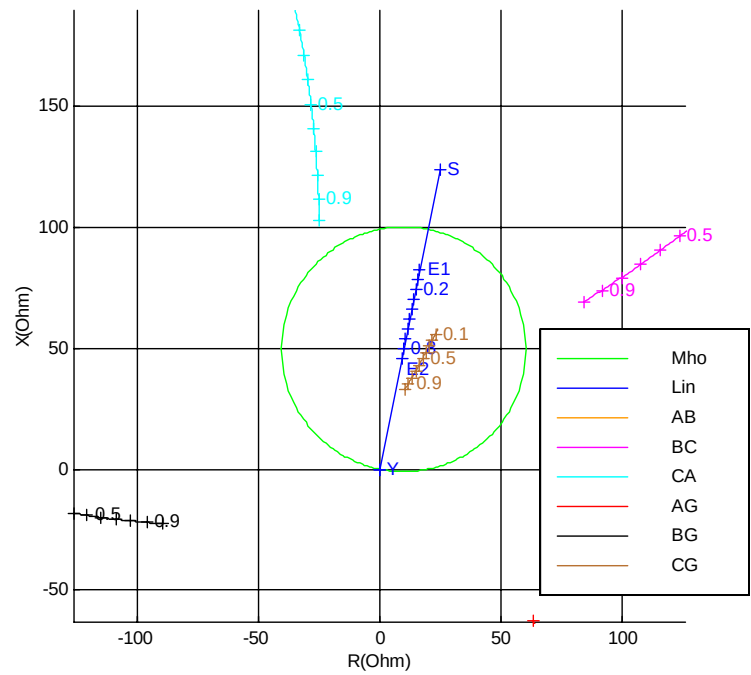
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	--	--	>Tramo SE2

Programa: PG54ic
Caso Standard, Tramo T2, Falta ag-cg: Salida z04

Esquema:



PG54ic,m=p,21nc,220kV,kE=1.00,L1=100km,L2=100km,L3=100km,L4=100km,L5=100km,Sccs=5000 ,Sccx=5000 ,Sccr=5000
Sccy=5000 ,Kx0=1.00 ,Kr0=1.00 ,Ky0=1.00 ,k0=10.00 ,m: E1E2(XR),ag,Rfm=0 , p: E1E2(SY),cg,Rfp=0 ,Extr: Ys



m(Tramo E1-E2(XR)) ; p(Tramo E1-E2(SY))

Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	--	--	>Tramo YE1