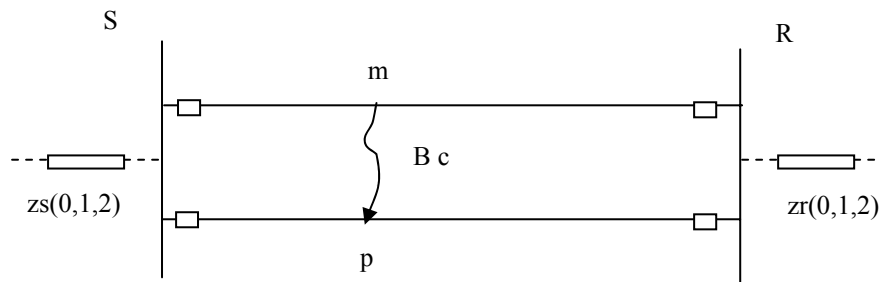


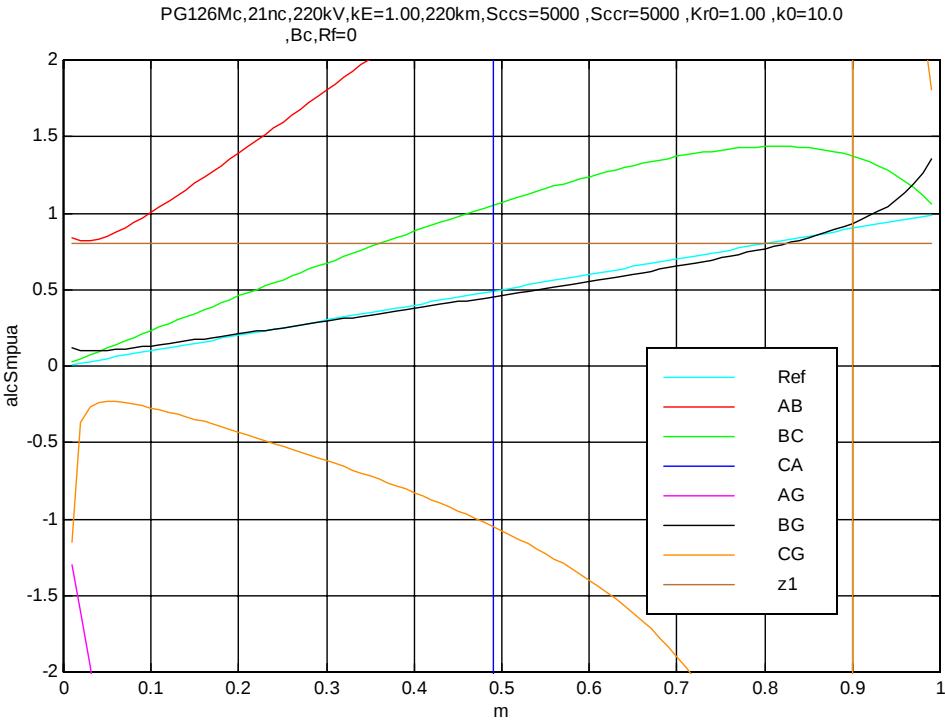
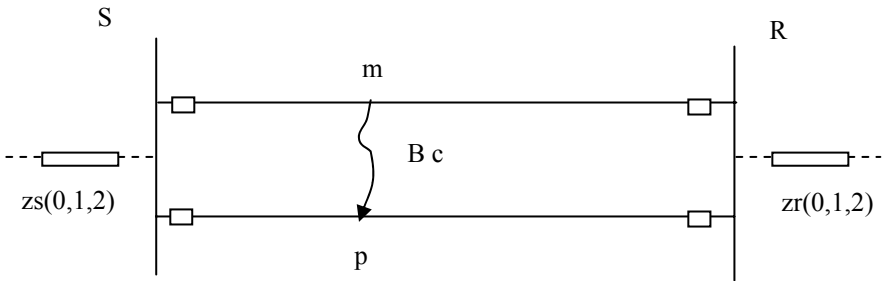
Esquema:



PGc Casos Especiales 3: Faltas Diversas				
Programa	PG126Mc			
Entrada Standard	Un=220 kV, kE=1, L=220 km, Sccs=5000 MVA, Sccr=5000 MVA			
	Kr0=1			
	zsr=∞			
	Compensación 21= No			
Parámetro	k0 = zs0/zr0 = 10			
Falta Intercircuito m=p	m Línea SR I	m = p	0 . . . 1	
		Tipo	Bc	
		Elemento	--	
	p Línea SR II	Rfm	0	
		Rgm	--	
Salida 2	21 Salida pua Todas las Unidades AB,BC,CA,AG,BG,CG		alcanceSmpua	f01
			alcanceSppua	f02
			alcanceRmpua	f03
			alcanceRppua	f04
Salida 4	67N		Sm	n01
			Rm	n02
			Sp	n03
			Rp	n04
Salida 5	21 R-X		Sm	z01
			Rm	z02
			Sp	z03
			Rp	z04

Programa: PG126Mc
Salida Especial Faltas Diversas, Falta Bc: f01

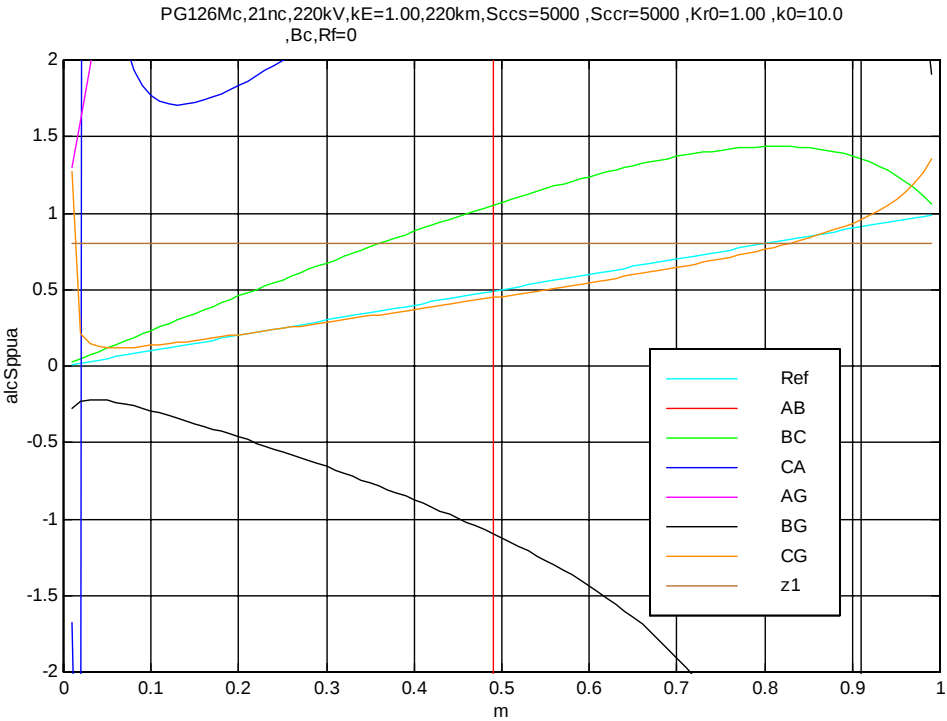
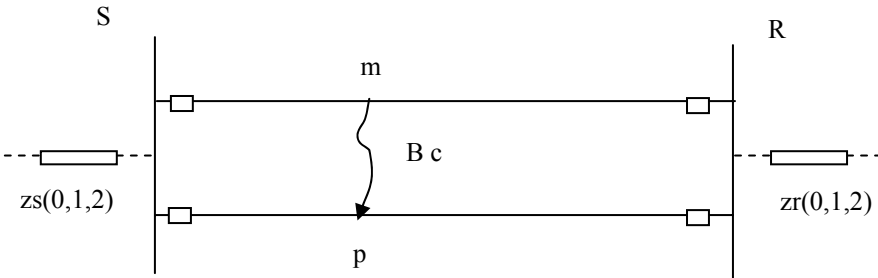
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura m	--	0.36	--	--	0.82	--

Programa: PG126Mc
Salida Especial Faltas Diversas, Falta Bc: f02

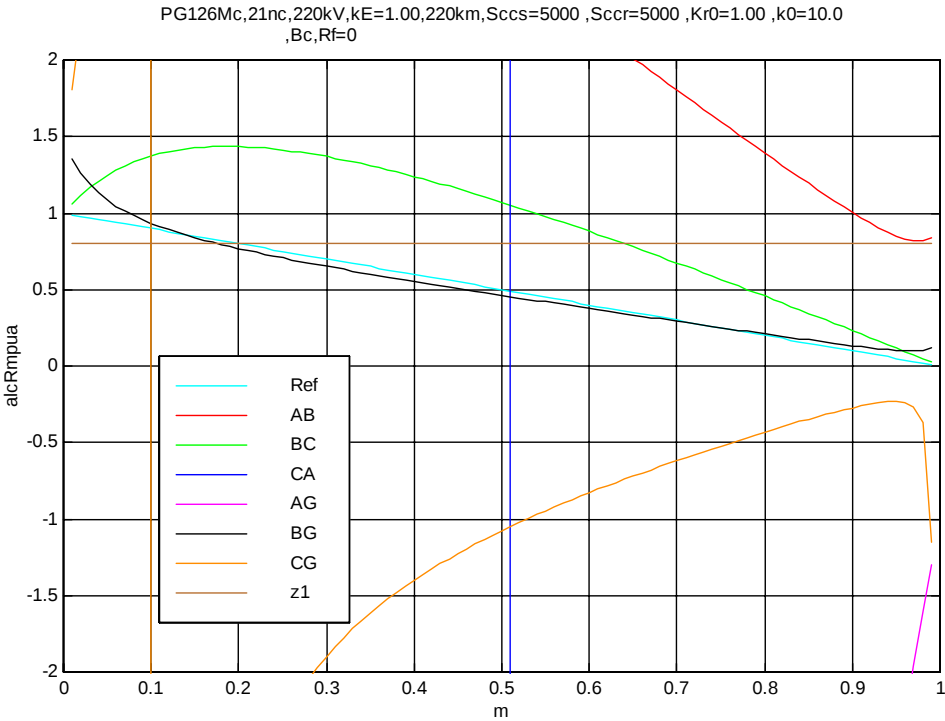
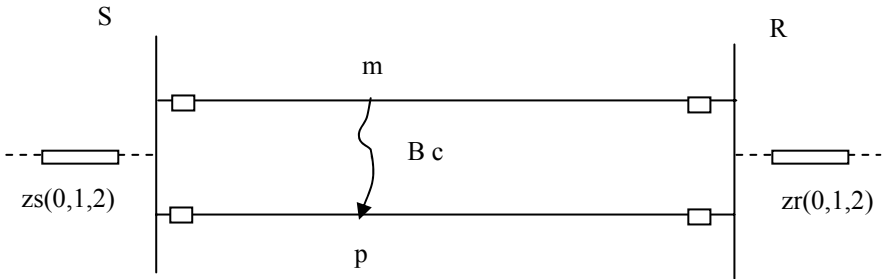
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura m	--	0.36	--	--	--	0.02-0.82

Programa: PG126Mc
Salida Especial Faltas Diversas, Falta Bc: f03

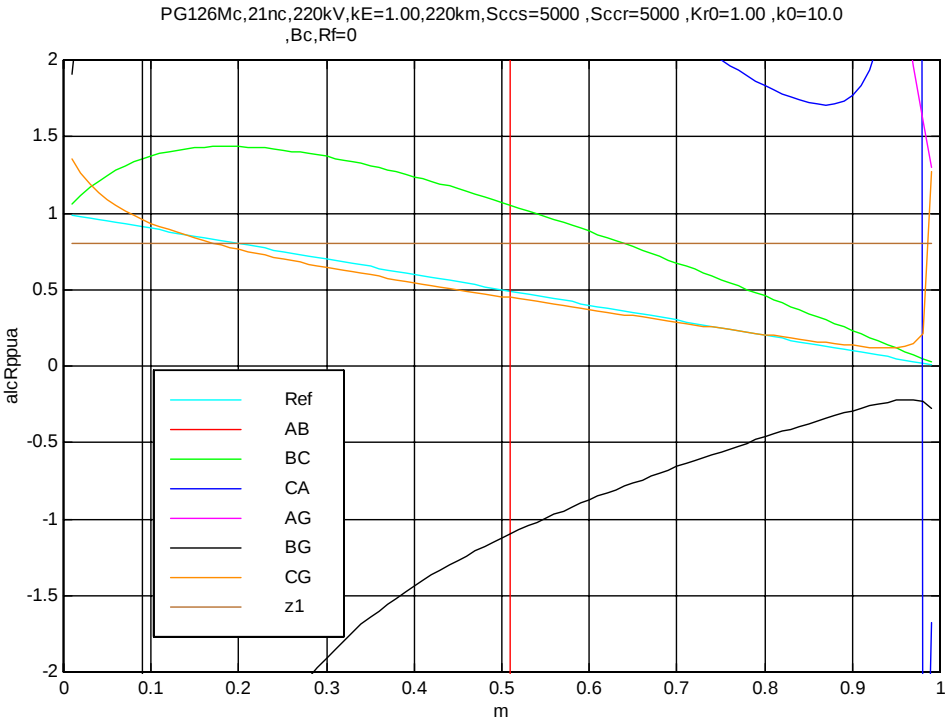
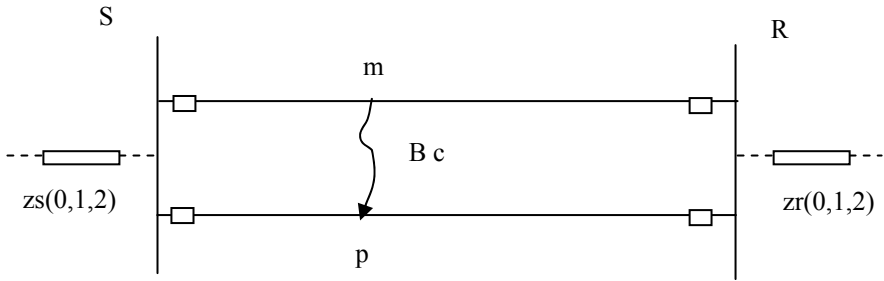
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura 1-m	--	0.36	--	--	0.82	--

Programa: PG126Mc
Salida Especial Faltas Diversas, Falta Bc: f04

Esquema:

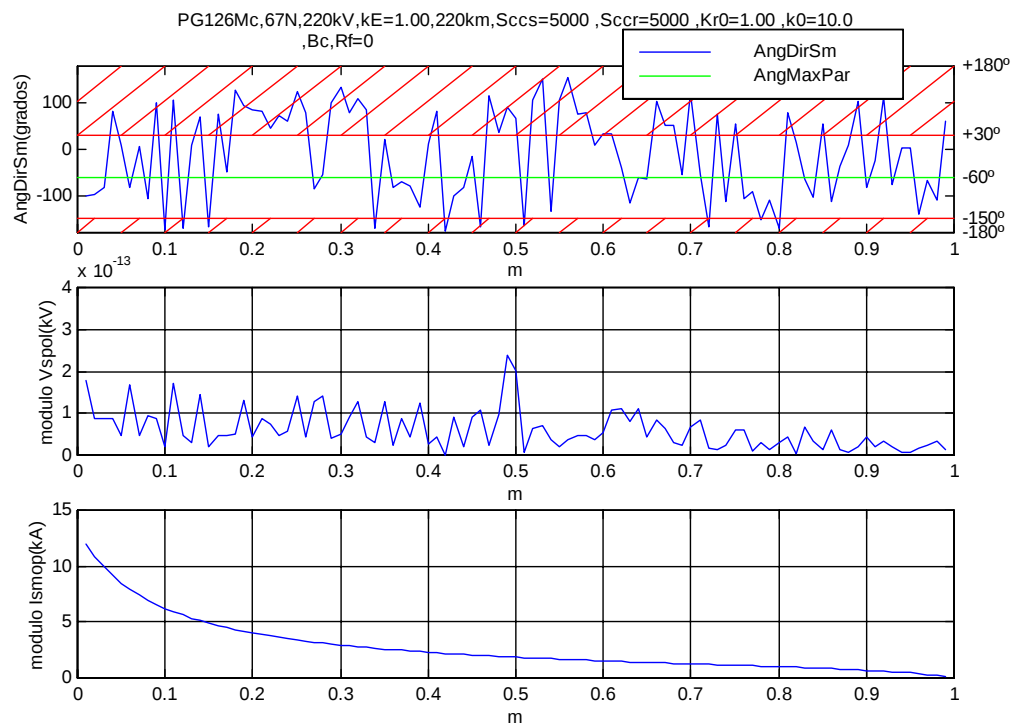
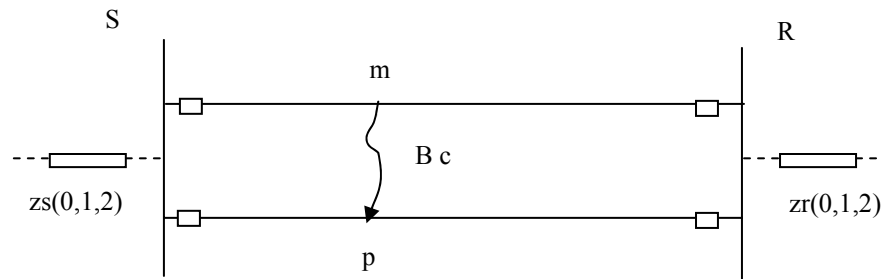


Unidad	AB	BC	CA	AG	BG	CG
Cobertura 1-m	--	0.36	--	--	--	0.02-0.82

Programa: PG126Mc

Salida Especial Faltas Diversas, Falta Bc: n01

Esquema:



Direccionalidad: errática

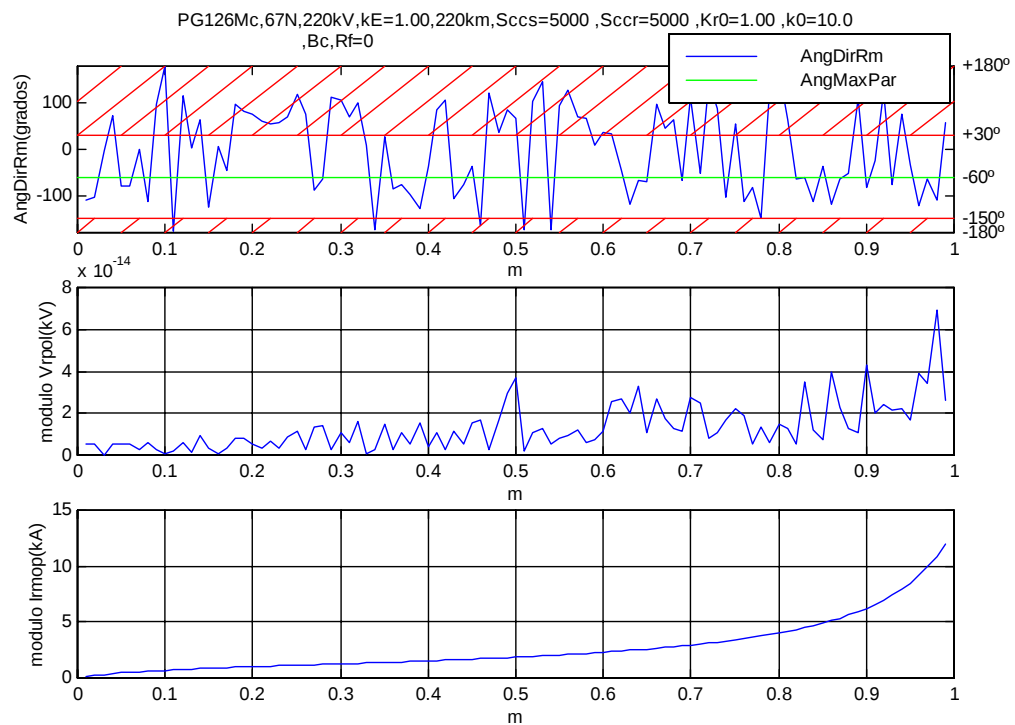
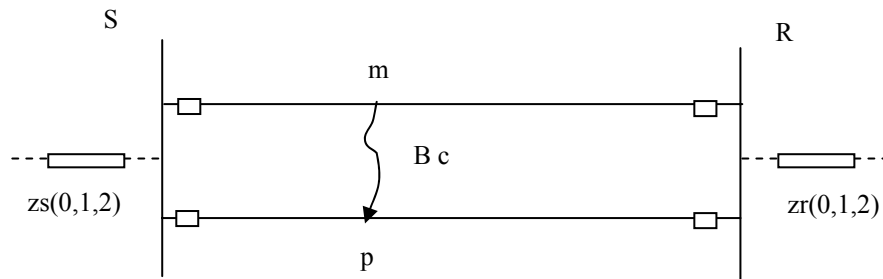
Sensibilidad de Tensión : practicamente nulo

Sensibilidad de Corriente: decreciente (con m)

Programa: PG126Mc

Salida Especial Faltas Diversas, Falta Bc: n02

Esquema:



Direccionalidad: errática

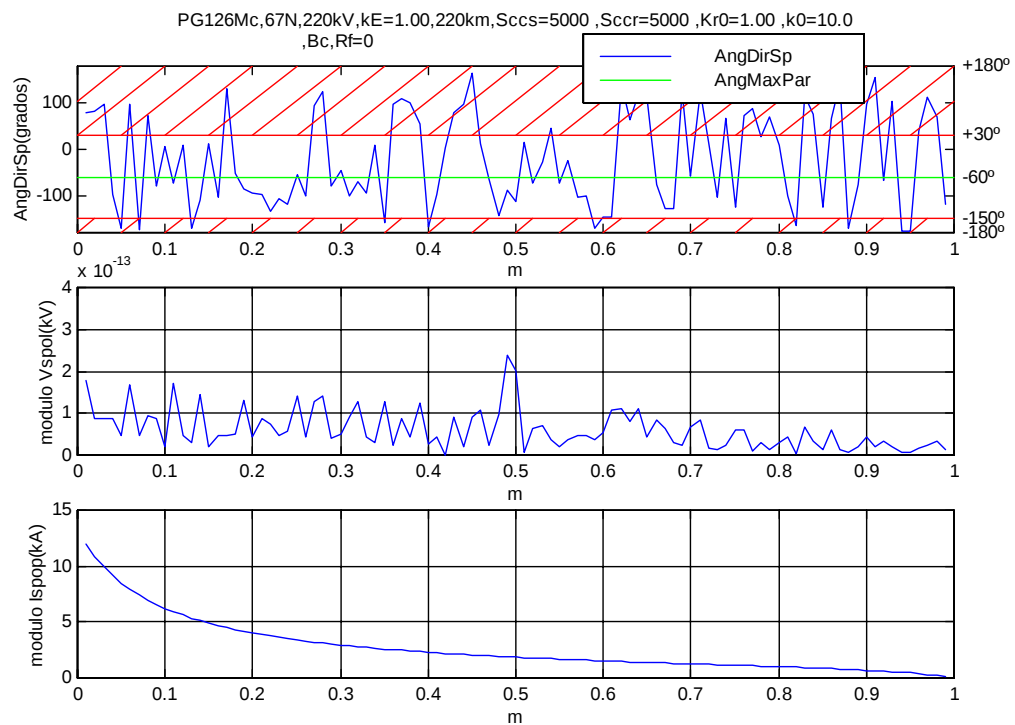
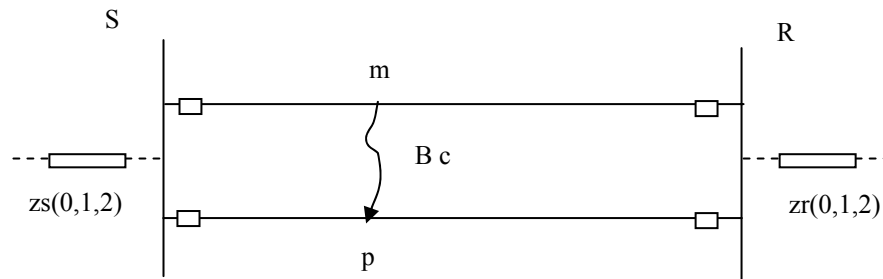
Sensibilidad de Tensión : prácticamente nula

Sensibilidad de Corriente: decreciente (con 1-m)

Programa: PG126Mc

Salida Especial Faltas Diversas, Falta Bc: n03

Esquema:



Direccionalidad: errática

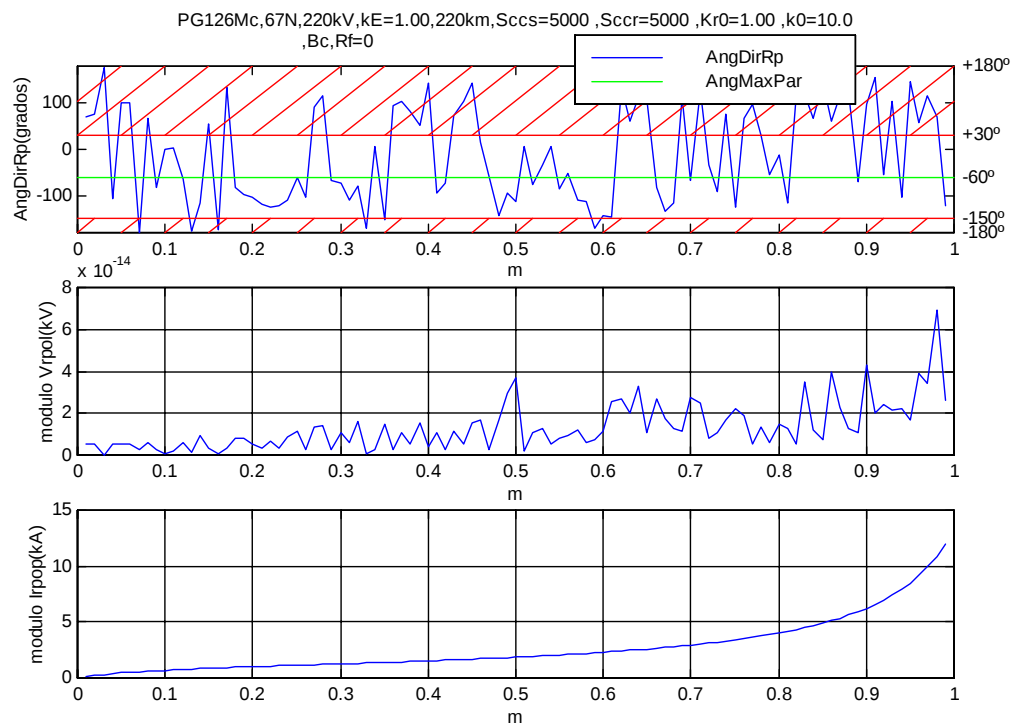
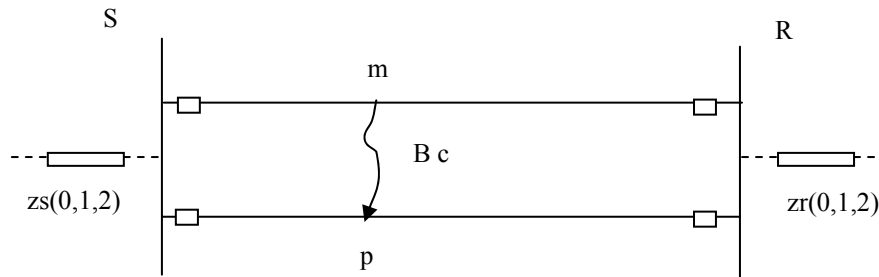
Sensibilidad de Tensión : prácticamente nula

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

Programa: PG126Mc

Salida Especial Faltas Diversas, Falta Bc: n04

Esquema:



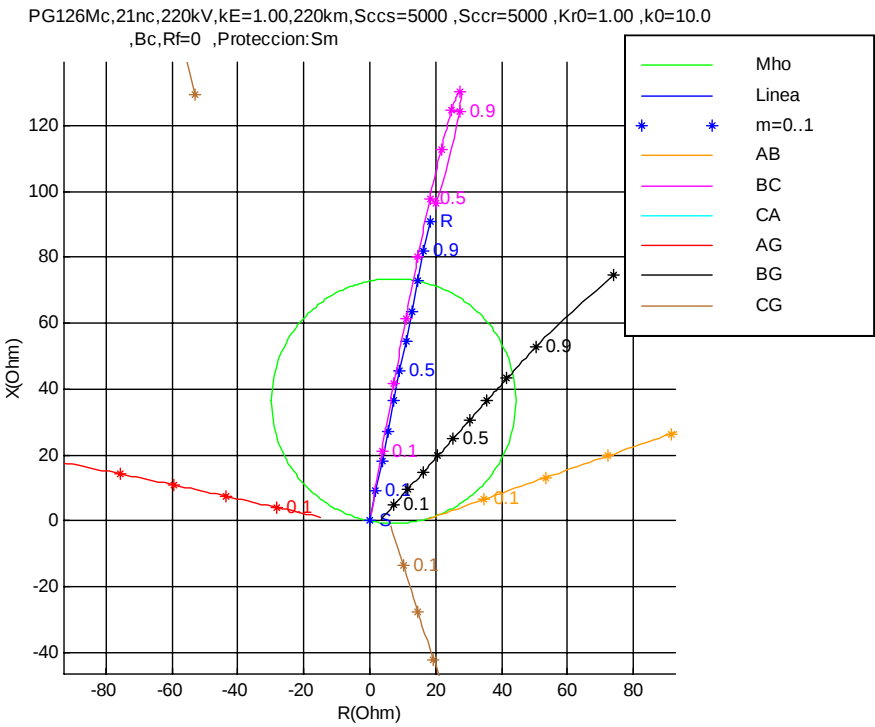
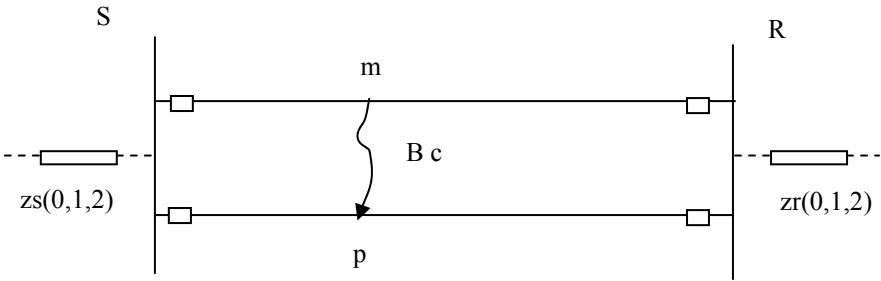
Direccionalidad: errática

Sensibilidad de Tensión : prácticamente nula

Sensibilidad de Corriente: decreciente (con 1-m)

Programa: PG126Mc
Salida Especial Faltas Diversas, Falta Bc: z01

Esquema:

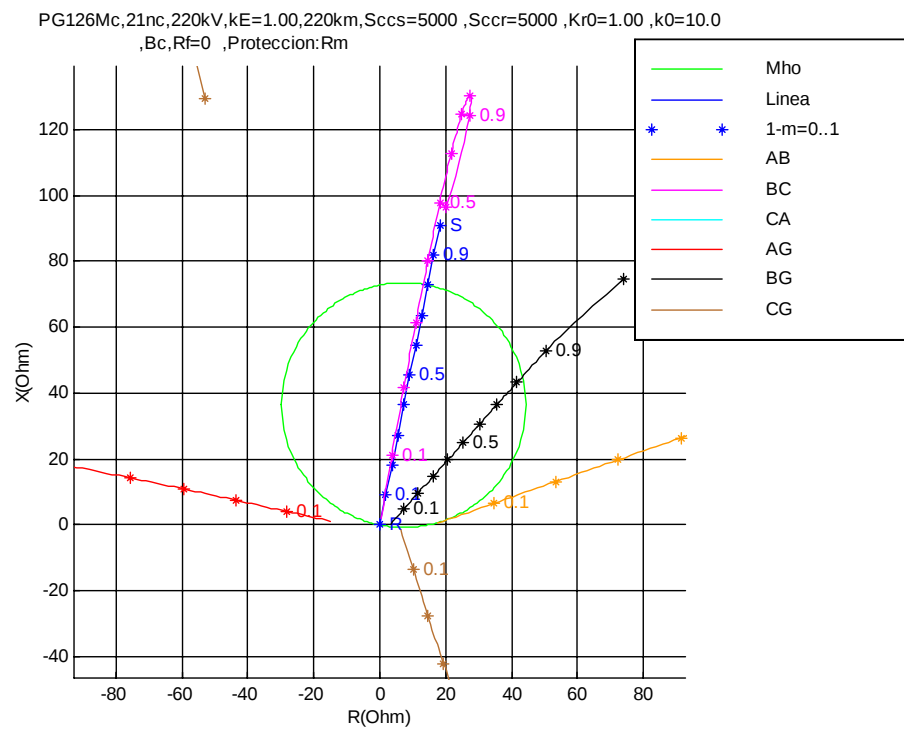
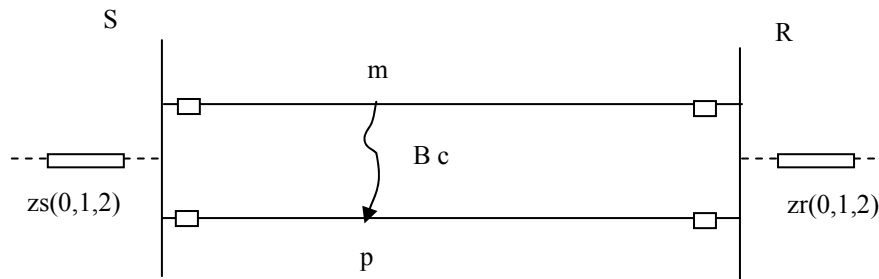


Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.36	--	--	0.82	--

Programa: PG126Mc

Salida Especial Faltas Diversas, Falta Bc: z02

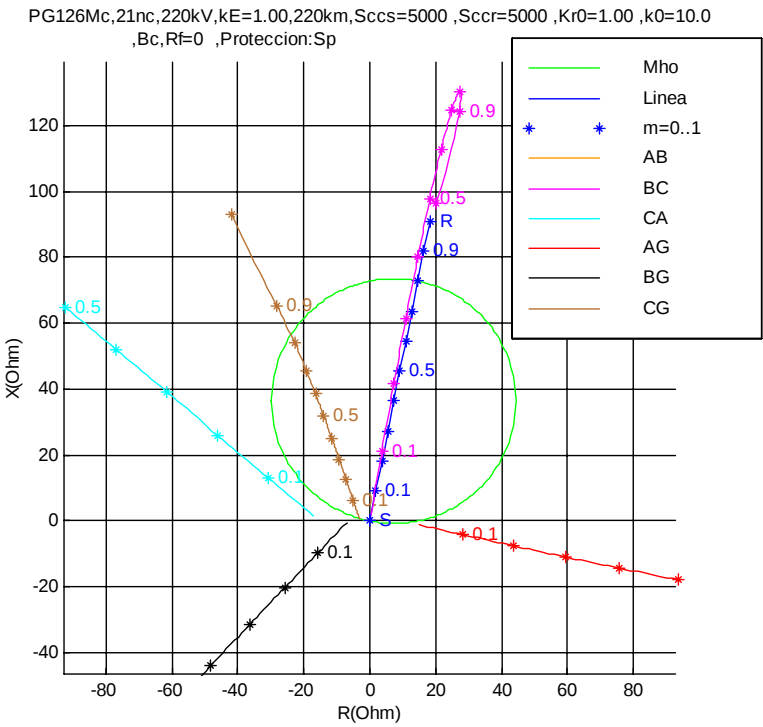
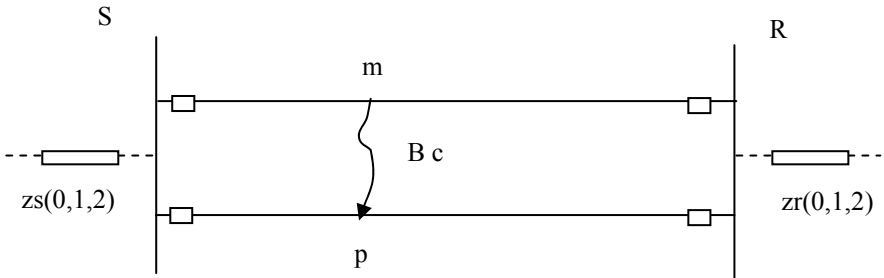
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.36	--	--	0.82	--

Programa: PG126Mc
Salida Especial Faltas Diversas, Falta Bc: z03

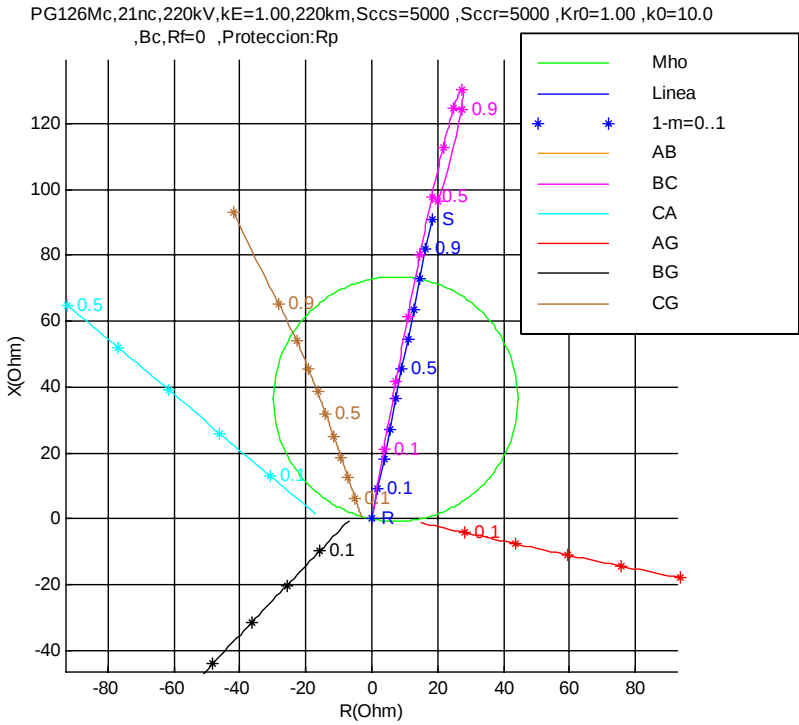
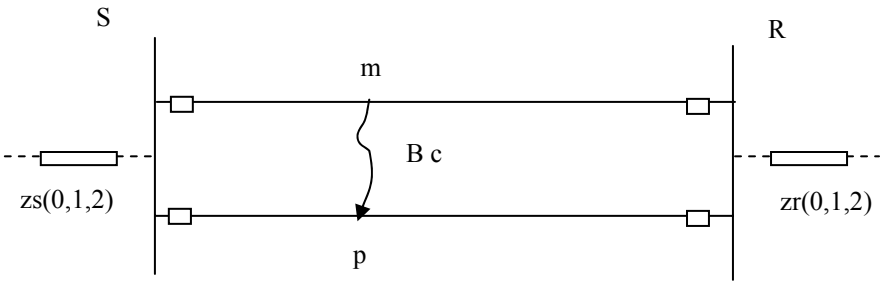
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.36	--	--	--	0.02-0.82

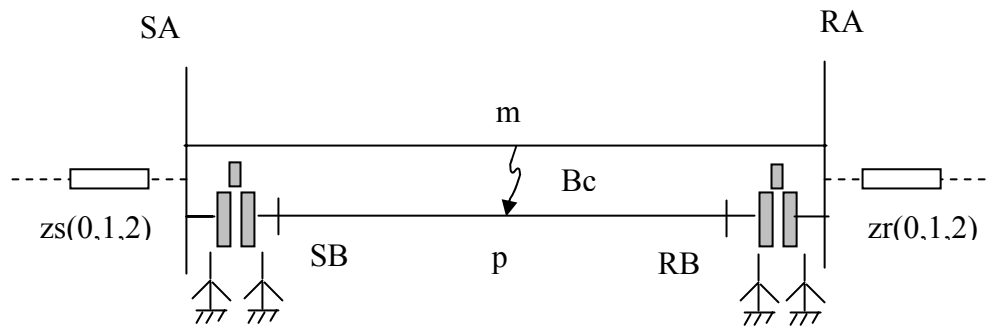
Programa: PG126Mc
Salida Especial Faltas Diversas, Falta Bc: z04

Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.36	--	--	--	0.02-0.82

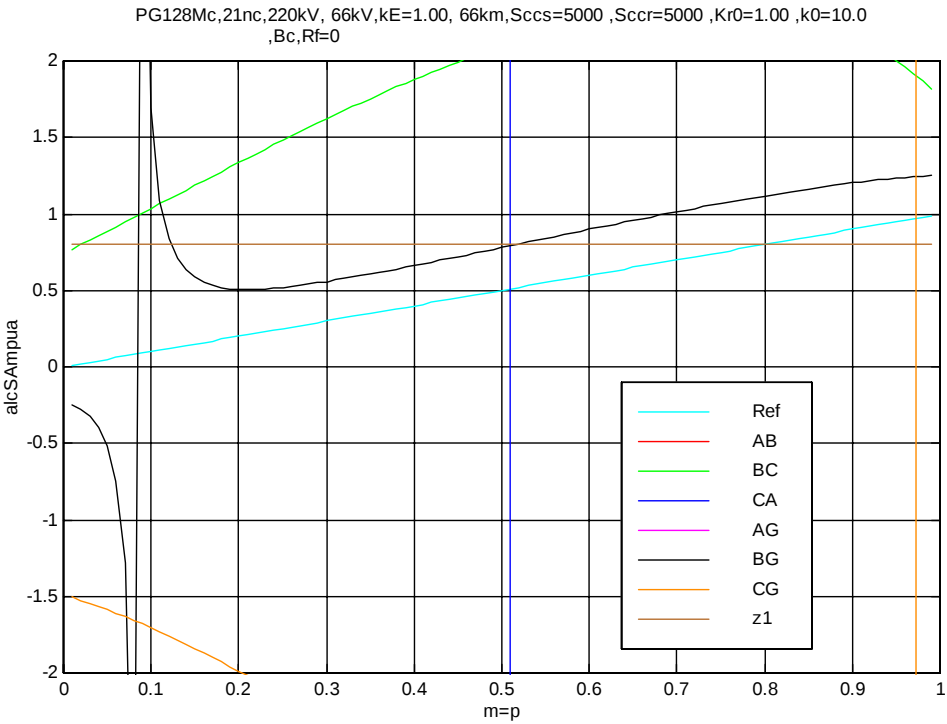
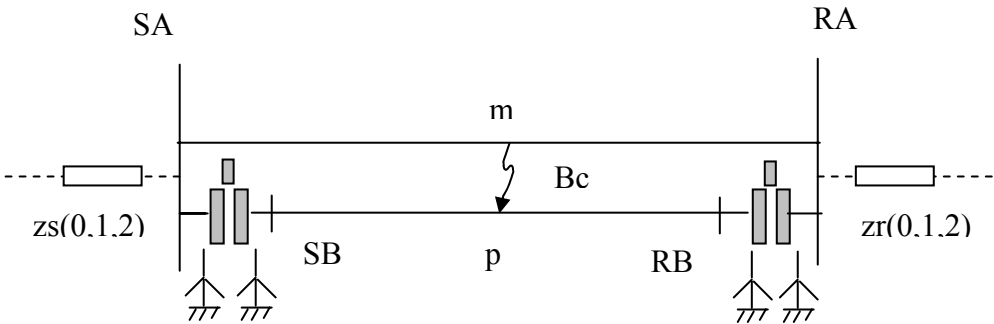
Esquema:



PGc Casos Especiales 3: Faltas Diversas				
Programa	PG128Mc			
Entrada Standard	UAn=220 kV, UBn=66 kV, kE=1, LA=LB=66 km, Scs=5000 MVA, Sccr=5000 MVA, Kr0=1			
	Sp=120 MVA, Ss=120 MVA, St=40 MVA, Up=220 kV, Us=66 kV, Ut=33 kV, tccps=12 %, tccept=5%, tccst=2 %			
	zsr= ∞			
	Compensacion 21= No			
Parámetro	$k0 = z_{s0}/z_{r0} = 10$			
Falta Intercircuito m=p	m: Linea SA-RA	m = p	0 . . . 1	
		Tipo	Bc	
	p:Linea SB-RB	Elemento	--	
		Rf	0	
		Rg	--	
Salida 1	21 Salida pua Todas las Unidades AB,BC,CA,AG,BG,CG	alcanceSAmpua	f01	
		alcanceSBppua	f02	
		alcanceRAmpua	f03	
		alcanceRBppua	f04	
Salida 2	67N	SAm	n01	
		RAm	n02	
		SBp	n03	
		RBp	n04	
Salida 3	21 R-X	SAm	z01	
		RAm	z02	
		SBp	z03	
		RBp	z04	

Programa: PG128Mc
Salida Especial Faltas Diversas, Falta Bc: f01

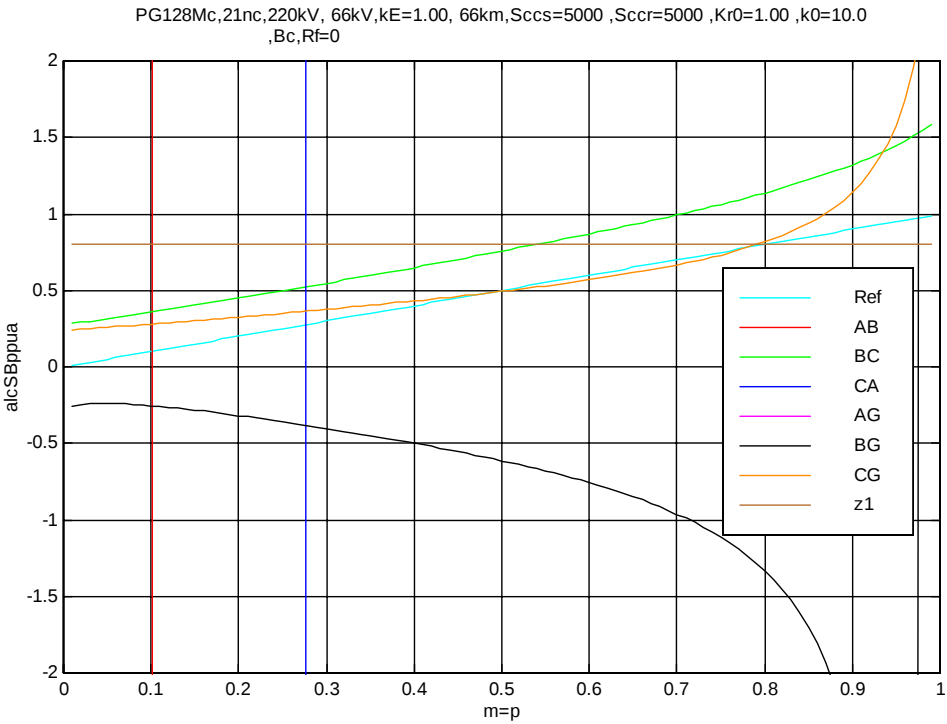
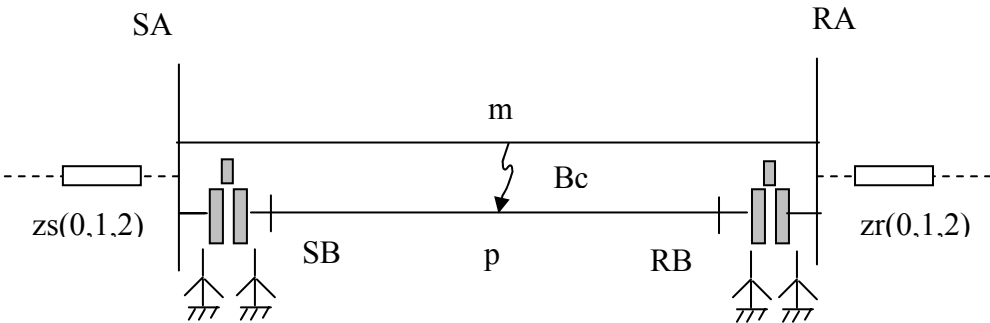
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura m	--	0.02	--	--	0.13-0.52	--

Programa: PG128Mc
Salida Especial Faltas Diversas, Falta Bc: f02

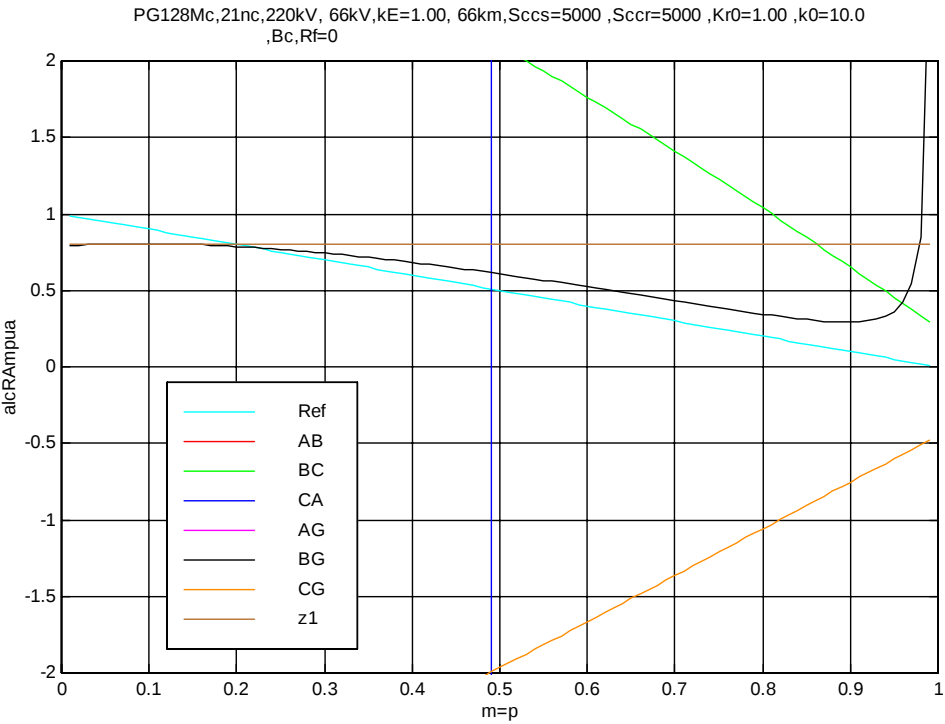
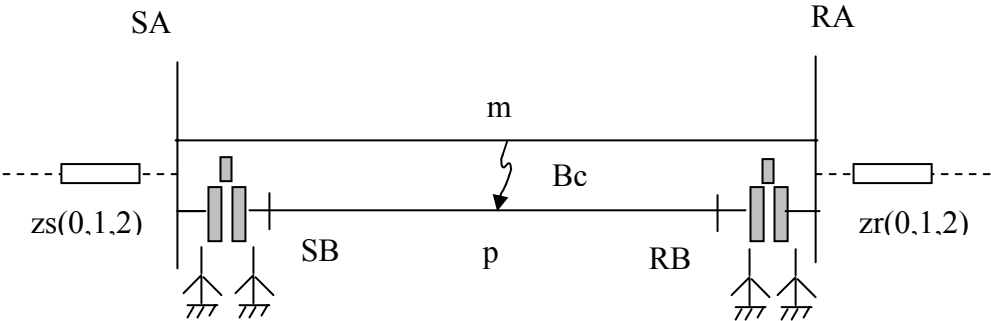
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura m	--	0.53	--	--	--	0.79

Programa: PG128Mc
Salida Especial Faltas Diversas, Falta Bc: f03

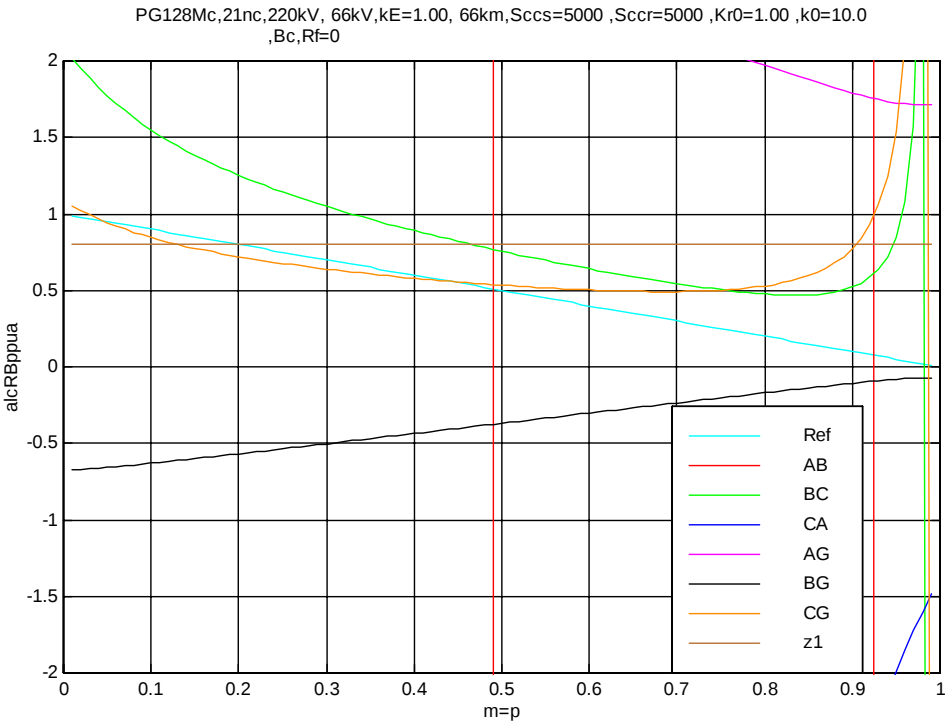
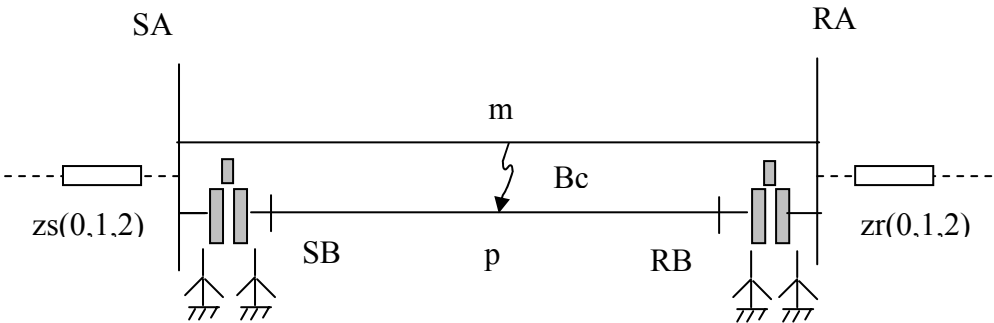
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura 1-m	--	0.14	--	--	0.02-1.00	--

Programa: PG128Mc
Salida Especial Faltas Diversas, Falta Bc: f04

Esquema:

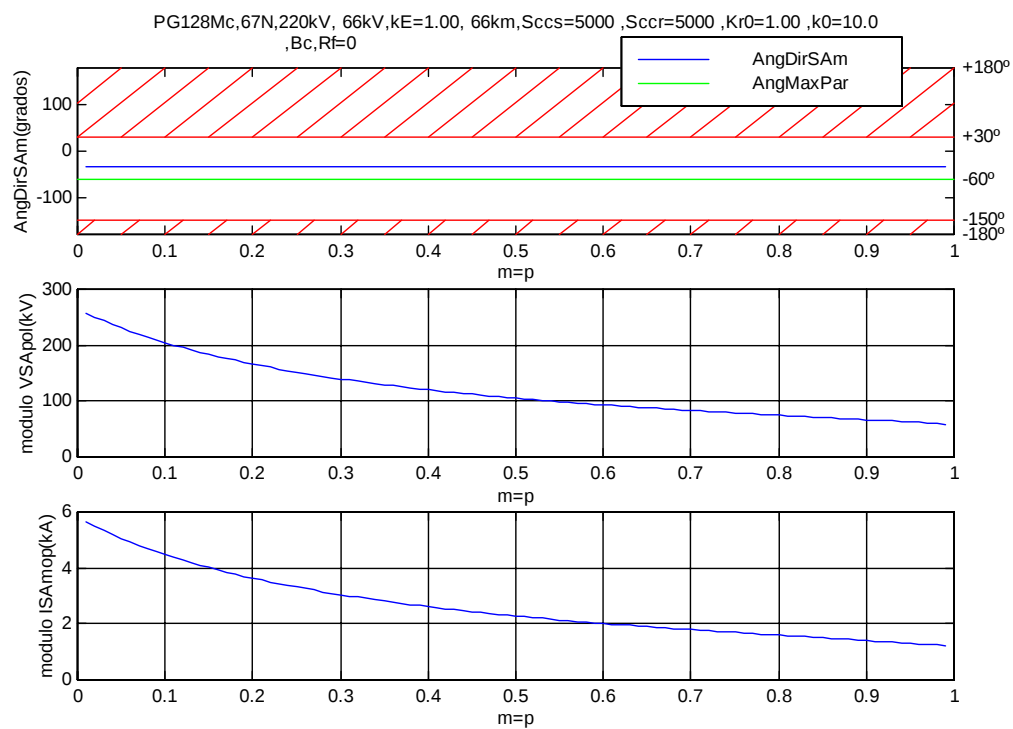
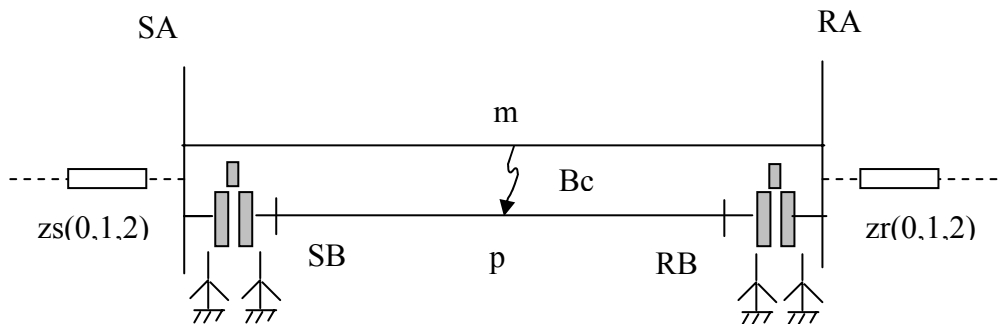


Unidad	AB	BC	CA	AG	BG	CG
Cobertura 1-m	--	0.06-0.52	--	--	--	0.1-0.88

Programa: PG128Mc

Salida Especial Faltas Diversas, Falta Bc: n01

Esquema:



Direccionalidad: m=0...1

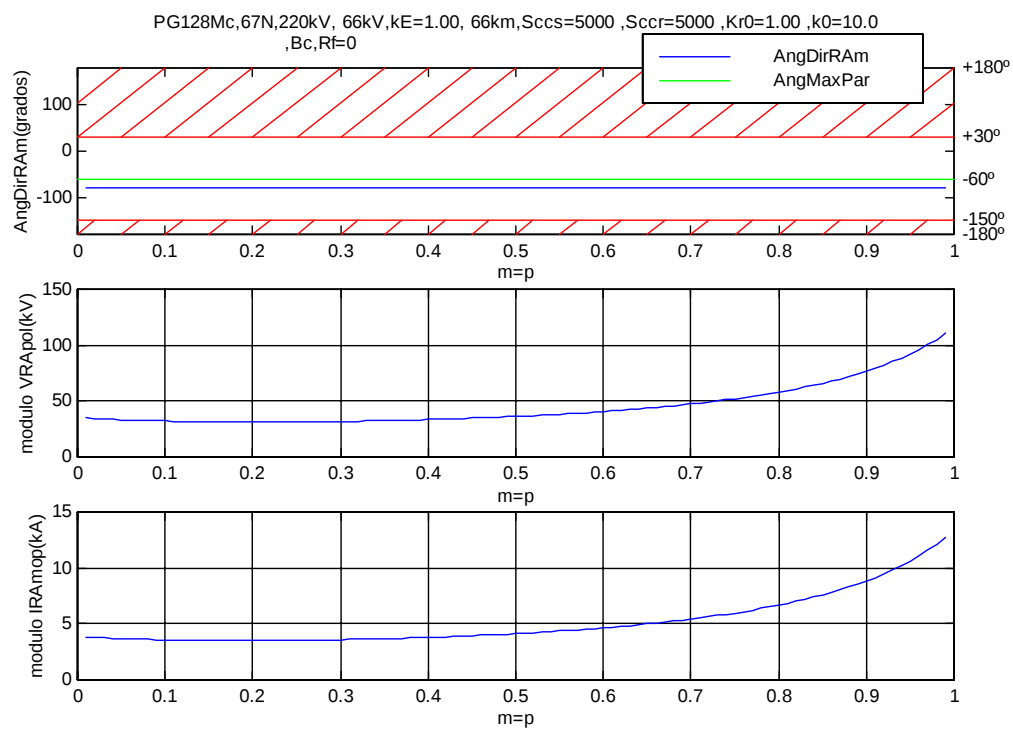
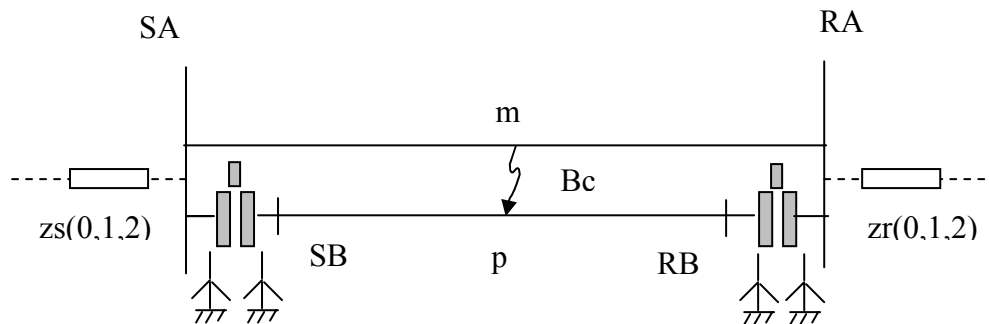
Sensibilidad de Tensión : decreciente (con m)

Sensibilidad de Corriente: decreciente (con m)

Programa: PG128Mc

Salida Especial Faltas Diversas, Falta Bc: n02

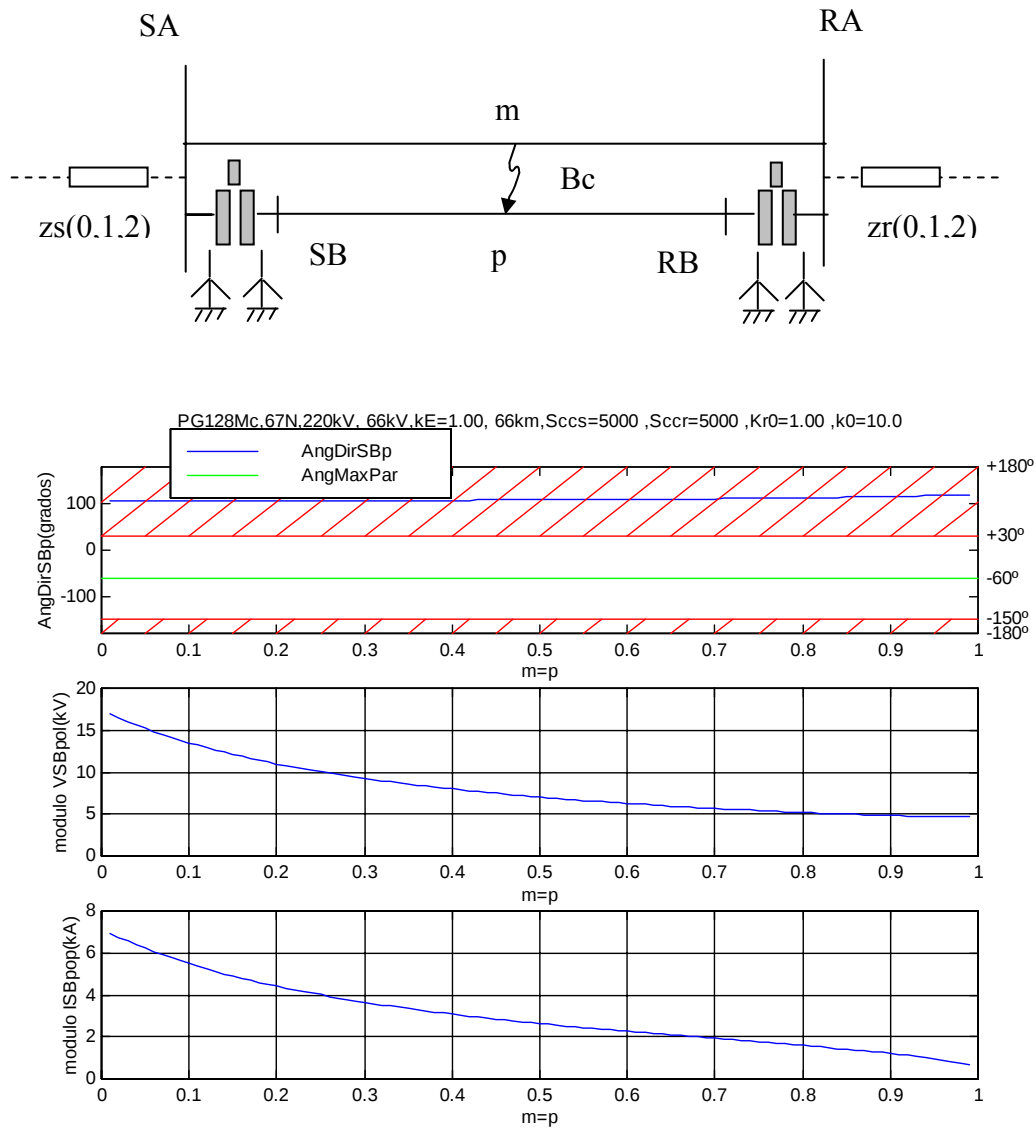
Esquema:

Direccionalidad: $1-m=0...1$ Sensibilidad de Tensión : decreciente (con $1-m$)Sensibilidad de Corriente: decreciente (con $1-m$)

Programa: PG128Mc

Salida Especial Faltas Diversas, Falta Bc: n03

Esquema:



Direccionalidad: No

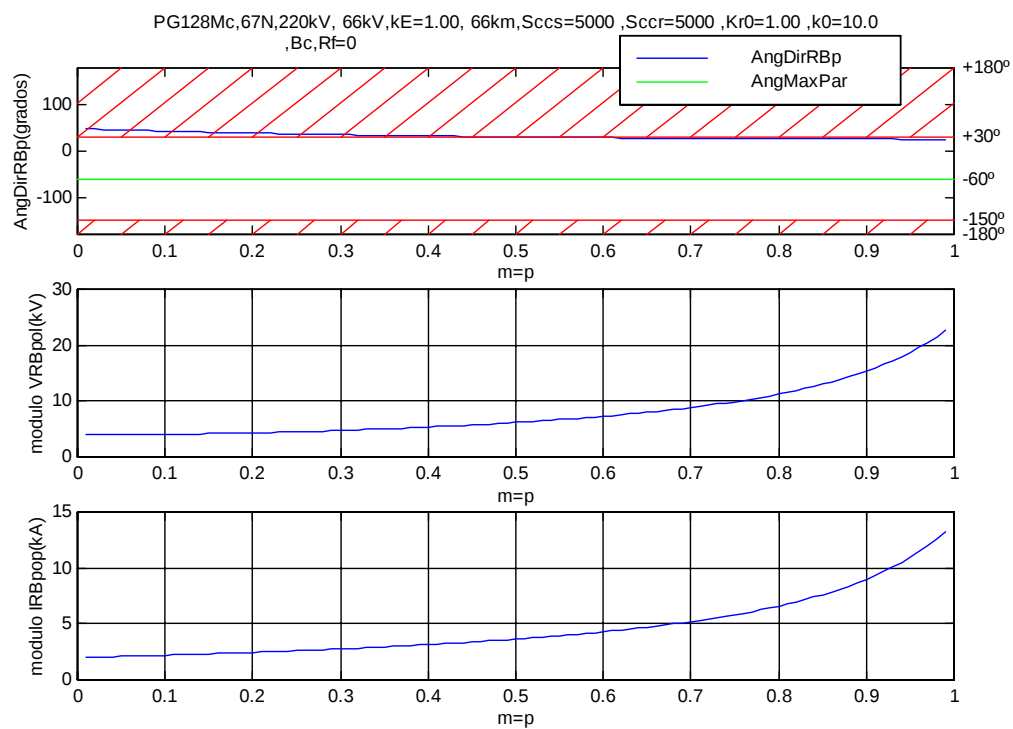
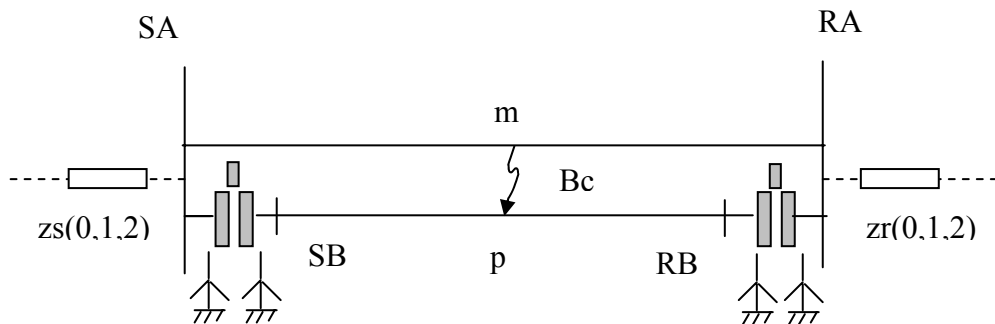
Sensibilidad de Tensión : decreciente (con p=m)

Sensibilidad de Corriente: decreciente (con p=m)

Programa: PG128Mc

Salida Especial Faltas Diversas, Falta Bc: n04

Esquema:

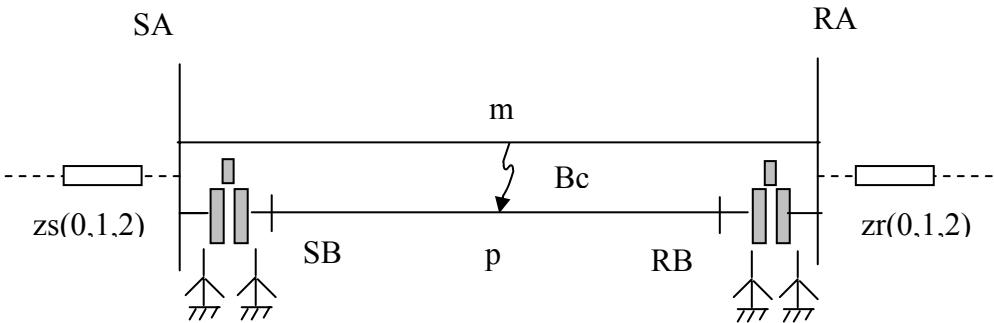


Direccionalidad: critica

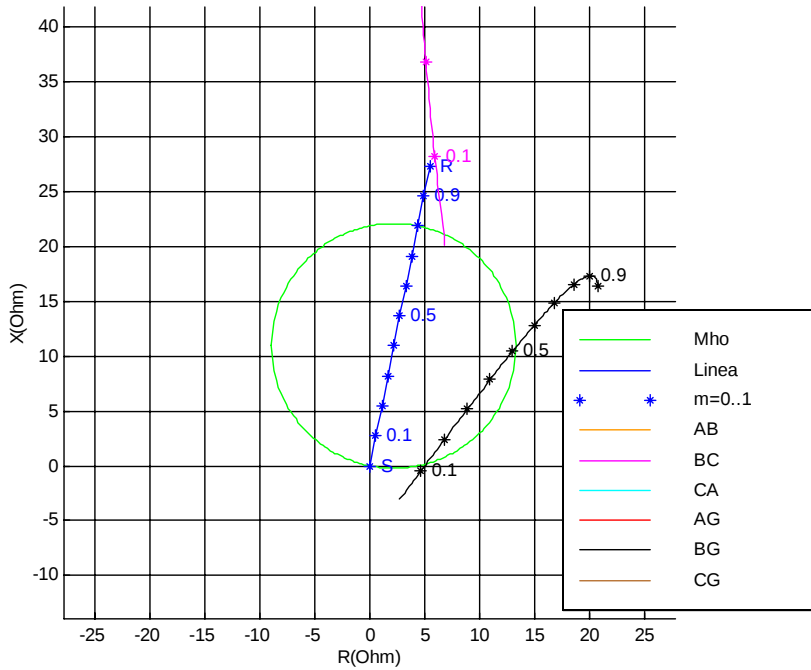
Sensibilidad de Tensión : decreciente (con $1-p=1-m$)Sensibilidad de Corriente: decreciente (con $1-p=1-m$)

Programa: PG128Mc
Salida Especial Faltas Diversas, Falta Bc: z01

Esquema:

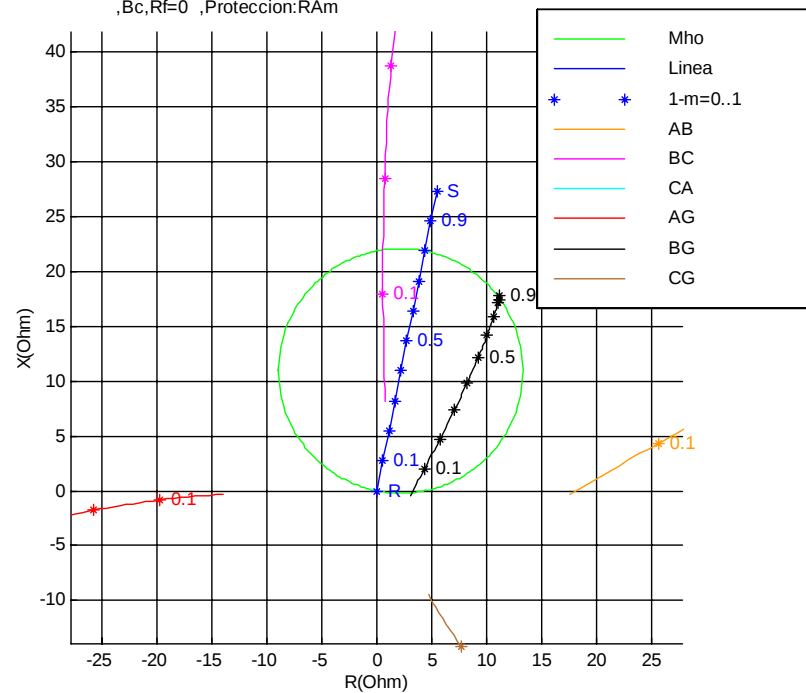


PG128Mc,21nc,220kV, 66kV,kE=1.00, 66km,Scs=5000 ,Scsr=5000 ,Kr0=1.00 ,k0=10.0
,Bc,Rf=0 ,Proteccion:SAm



Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.02	--	--	0.13-0.52	--

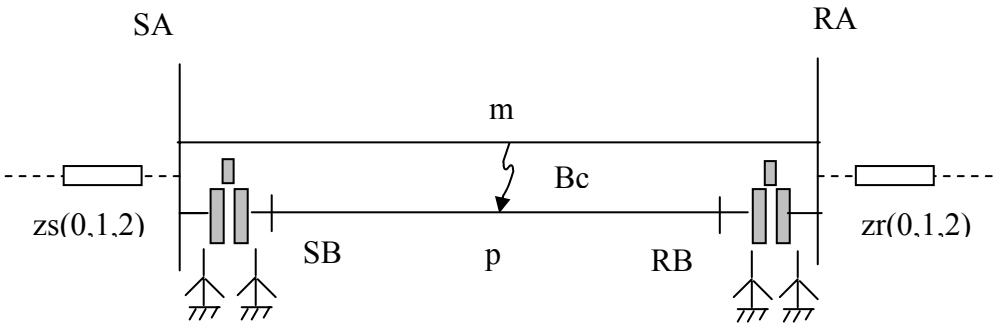
Salida Especial Faltas Diversas, Falta Bc: z02



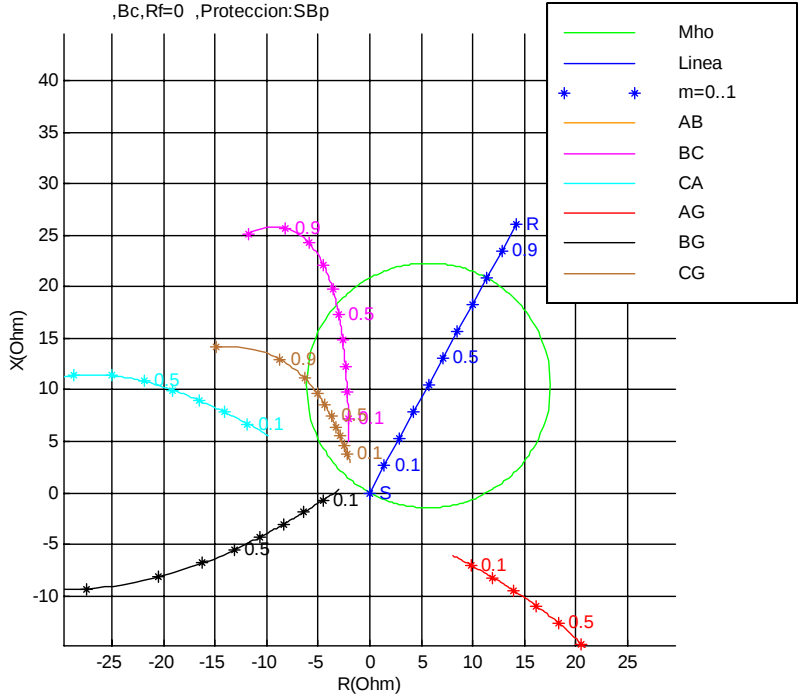
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.14	--	--	0.02-1.00	--

Programa: PG128Mc
Salida Especial Faltas Diversas, Falta Bc: z03

Esquema:



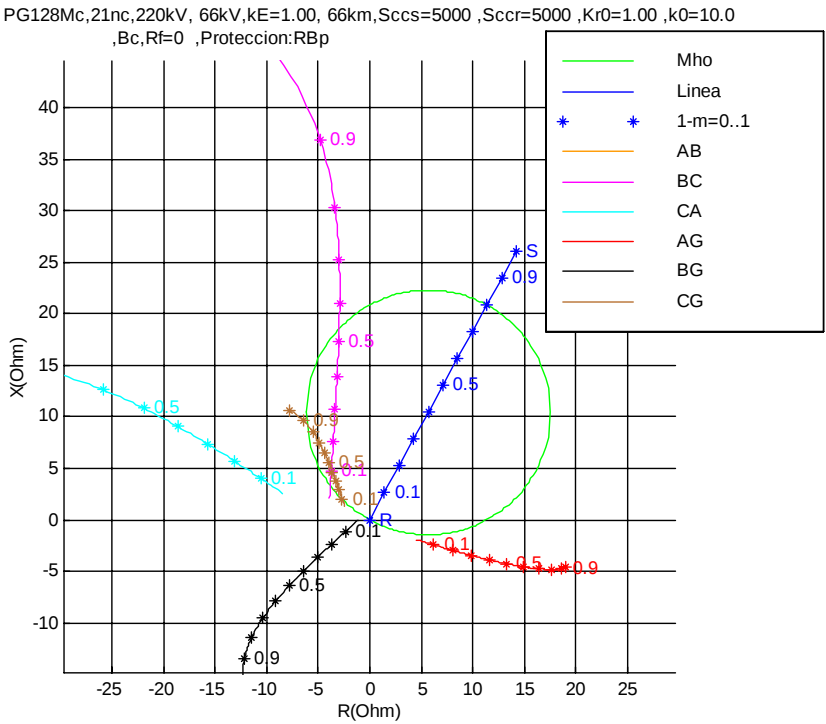
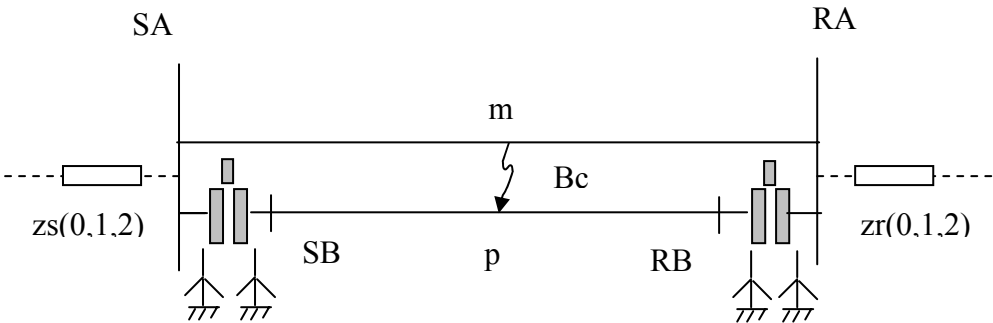
PG128Mc, 21nc, 220kV, 66kV, kE=1.00, 66km, Sccs=5000, Sccr=5000, Kr0=1.00, k0=10.0
, Bc, Rf=0, Proteccion: SBp



Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.53	--	--	--	0.79

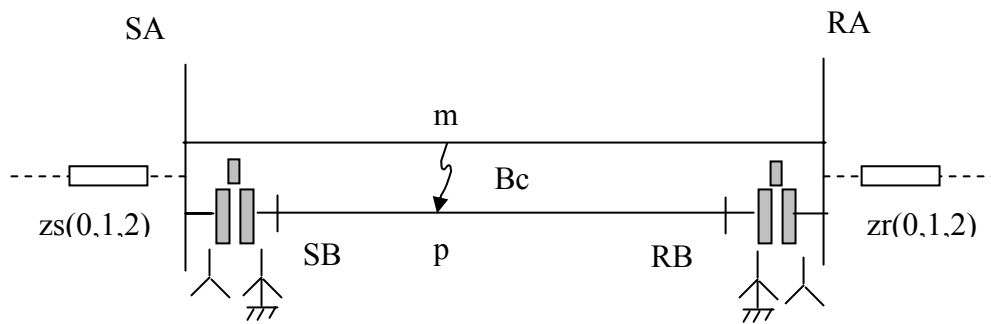
Programa: PG128Mc
Salida Especial Faltas Diversas, Falta Bc: z04

Esquema:



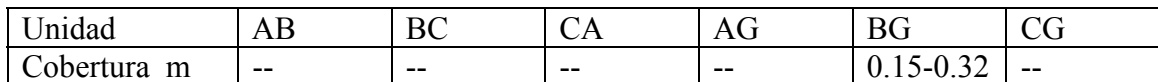
Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.06-0.52	--	--	--	0.1-0.88

Esquema:



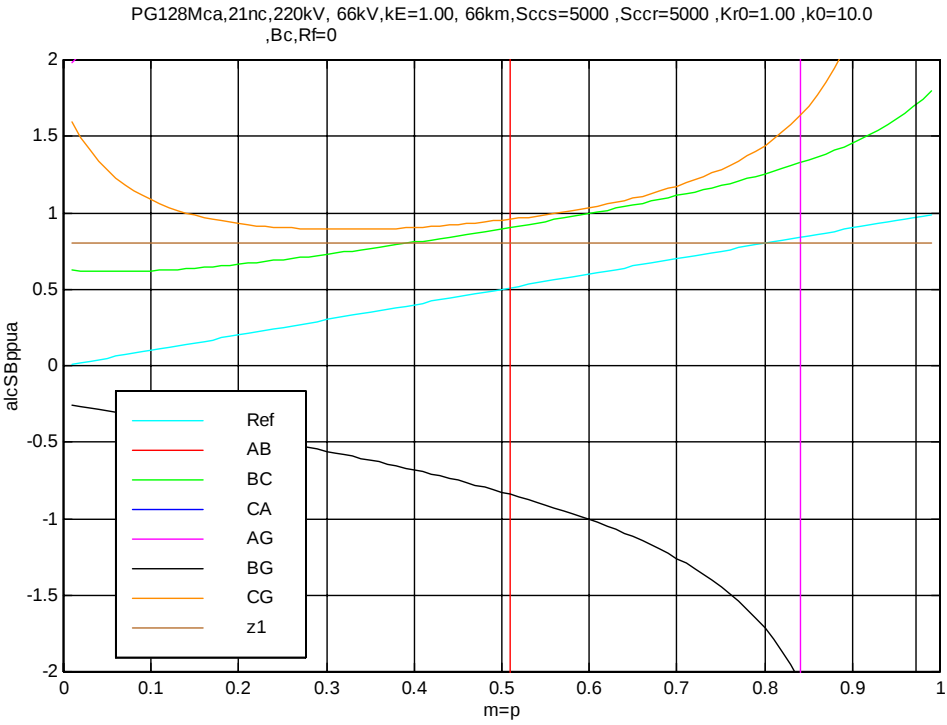
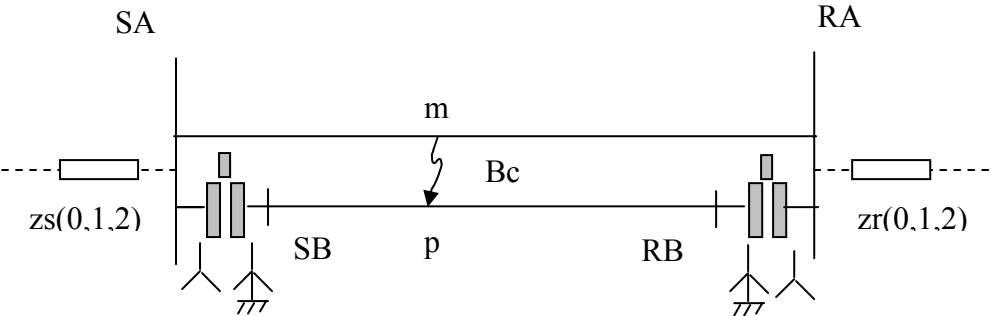
PGc Casos Especiales 3: Faltas Diversas				
Programa	PG128Mca			
Entrada Standard	Un=220 kV, kE=1, L=220 km, Sccs=5000 MVA, Sccr=5000 MVA Kr0=1			
	Sp=120 MVA, Ss=120 MVA, St=40 MVA, Up=220 kV, Us=66 kV, Ut=33 kV, tccps=12 %, tccpt=5%, tccst=2 %			
	zsr=∞			
	Compensacion 21= No			
Parámetro	k0 = zs0/zr0 = 10			
Falta Intercircuito m=p	m: Linea SA-RA	m = p	0 . . . 1	
		Tipo	Bc	
	p: Linea SB-RB	Elemento	--	
		Rfm	0	
		Rgm	--	
Salida 1	21 Salida pua Todas las Unidades AB,BC,CA,AG,BG,CG	alcanceSAmpua	f01	
		alcanceSBppua	f02	
		alcanceRAmpua	f03	
		alcanceRBppua	f04	
Salida 2	67N	SAm	n01	
		RAm	n02	
		SBp	n03	
		RBp	n04	
Salida 3	21 R-X	SAm	z01	
		RAm	z02	
		SBp	z03	
		RBp	z04	

Salida Especial Faltas Diversas, Falta Bc: f01



Programa: PG128Mca
Salida Especial Faltas Diversas, Falta Bc: f02

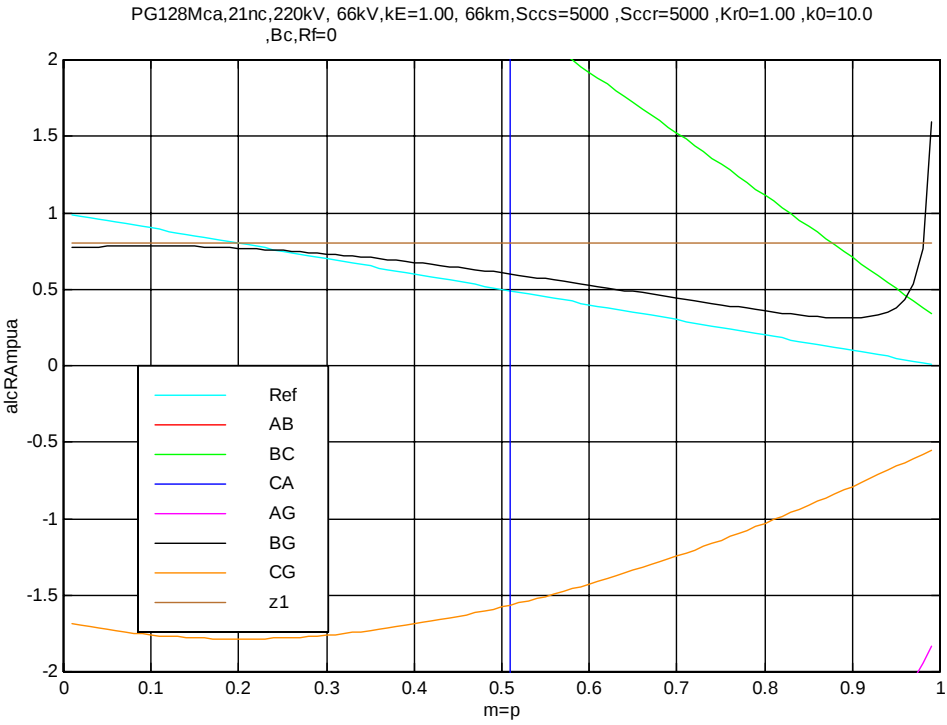
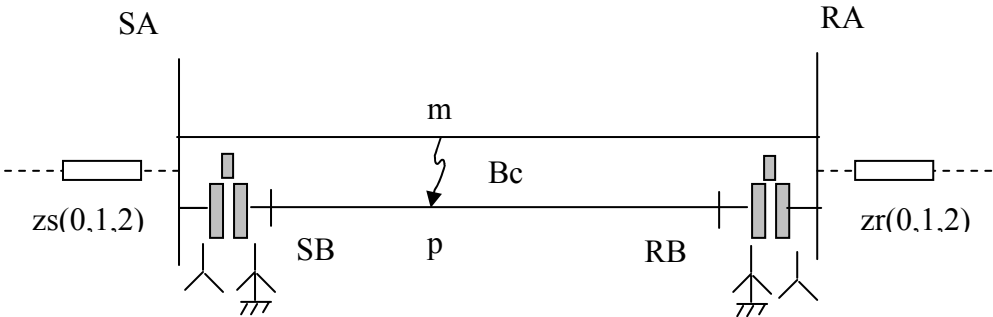
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura 1-m	--	0.39	--	--	--	--

Programa: PG128Mca
Salida Especial Faltas Diversas, Falta Bc: f03

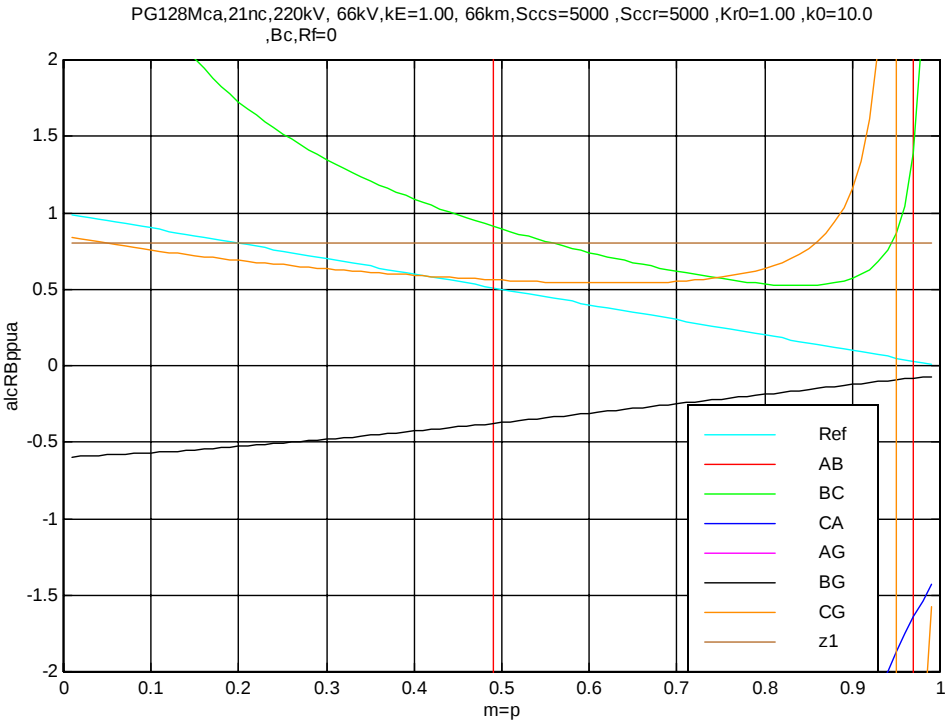
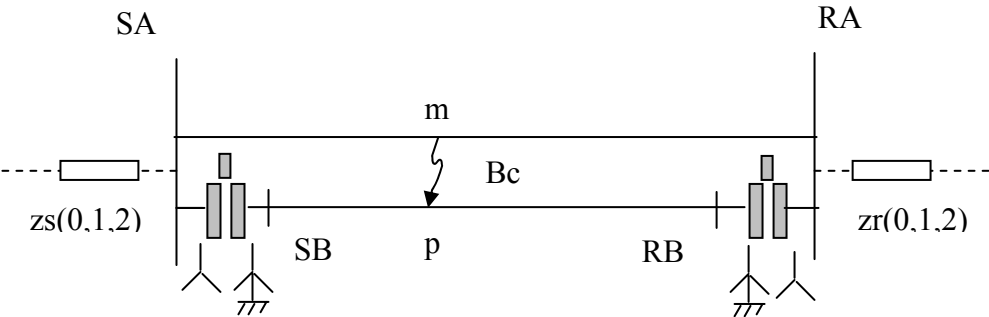
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura 1-m	--	0.12	--	--	0.02-1.00	--

Programa: PG128Mca
Salida Especial Faltas Diversas, Falta Bc: f04

Esquema:

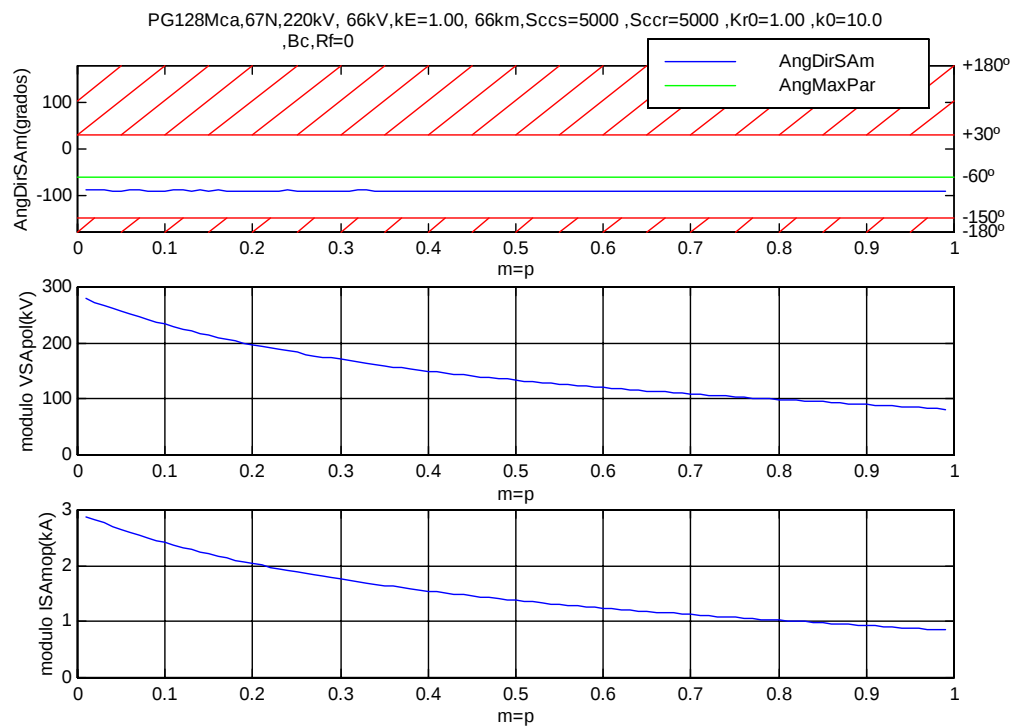
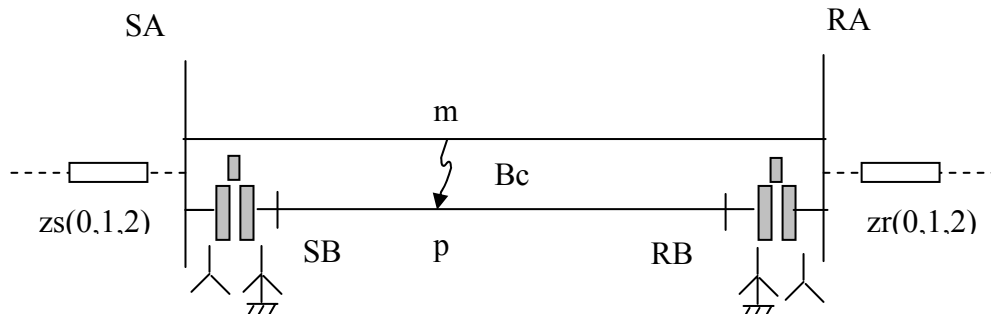


Unidad	AB	BC	CA	AG	BG	CG
Cobertura 1-m	--	0.06-0.44	--	--	--	0.14-0.94

Programa: PG128Mca

Salida Especial Faltas Diversas, Falta Bc: n01

Esquema:



Direccionalidad: m=0...1

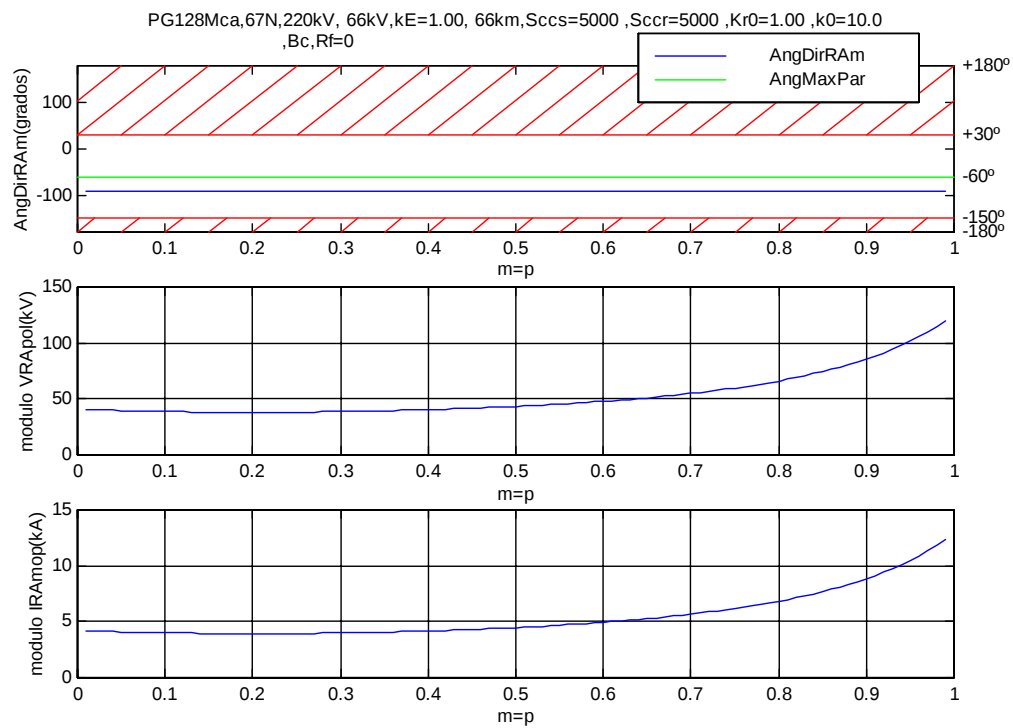
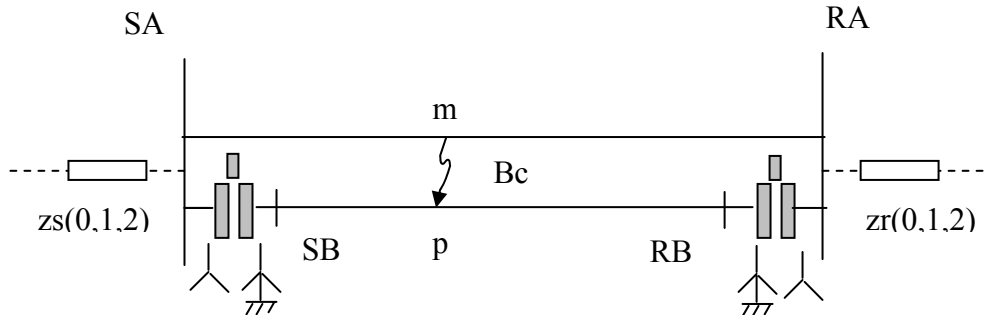
Sensibilidad de Tensión : decreciente (con m)

Sensibilidad de Corriente: decreciente (con m)

Programa: PG128Mca

Salida Especial Faltas Diversas, Falta Bc: n02

Esquema:



Direccionalidad: 1-m=0...1

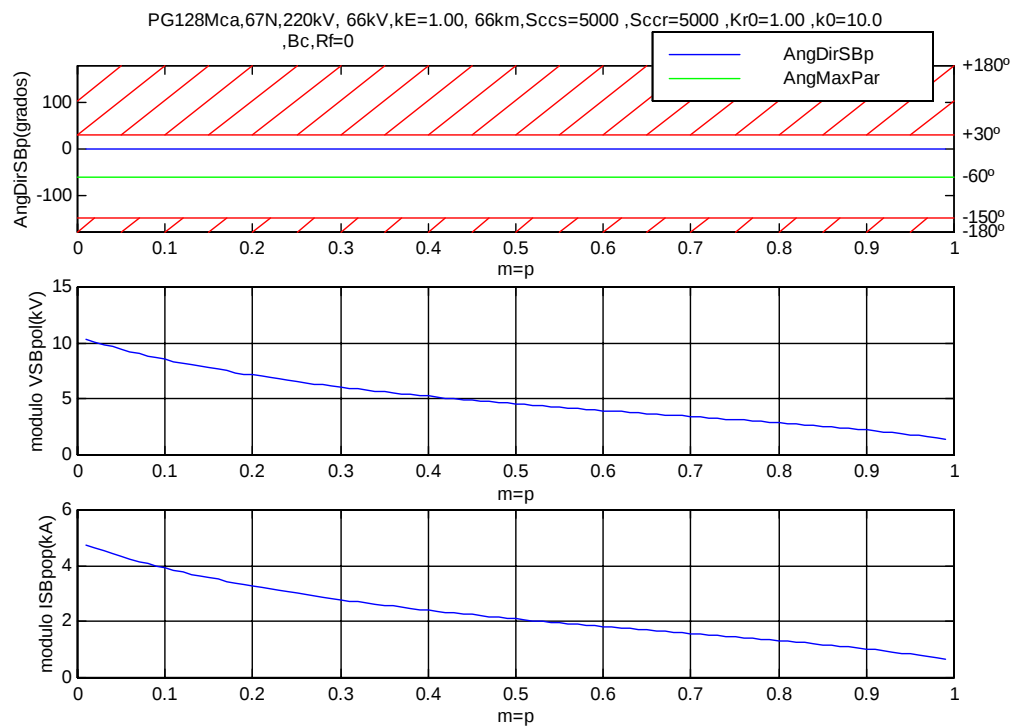
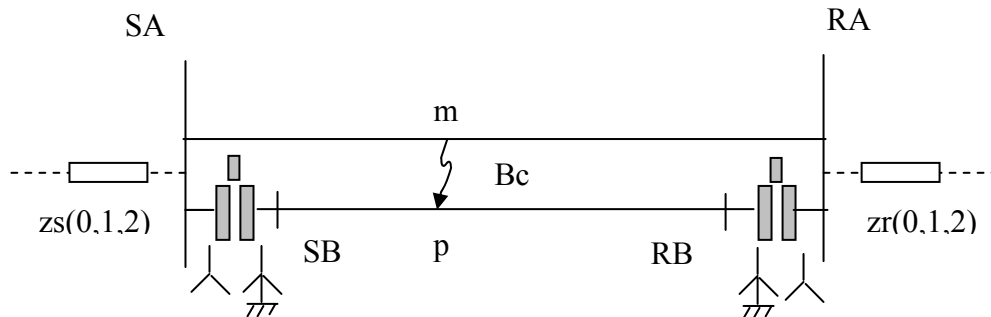
Sensibilidad de Tensión : decreciente (con 1-m)

Sensibilidad de Corriente: decreciente (con 1-m)

Programa: PG128Mca

Salida Especial Faltas Diversas, Falta Bc: n03

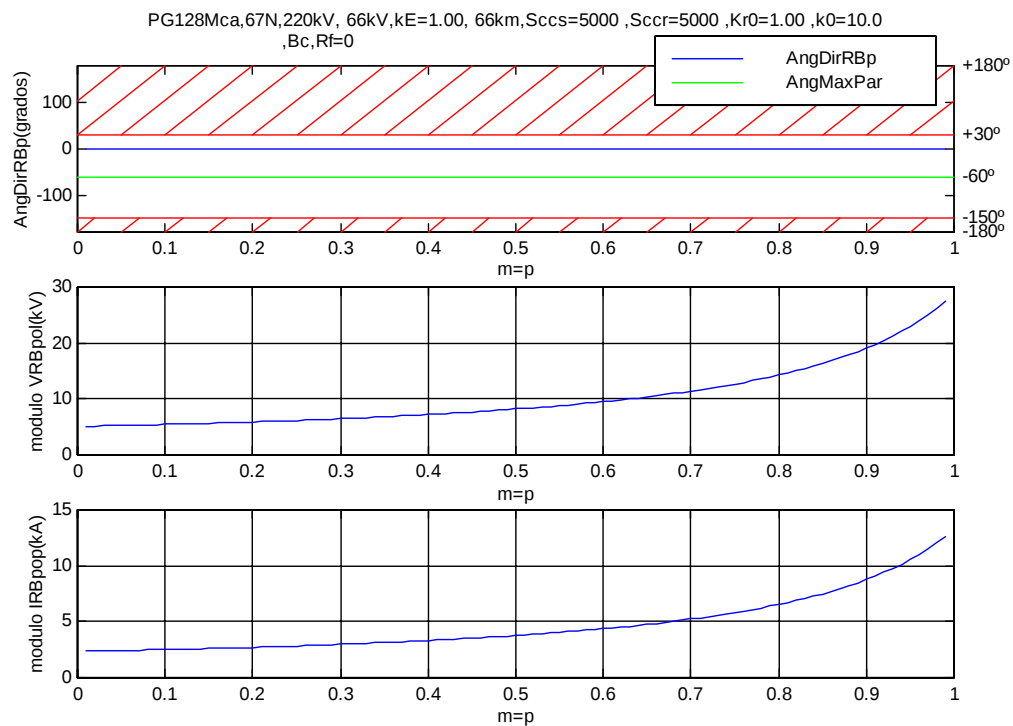
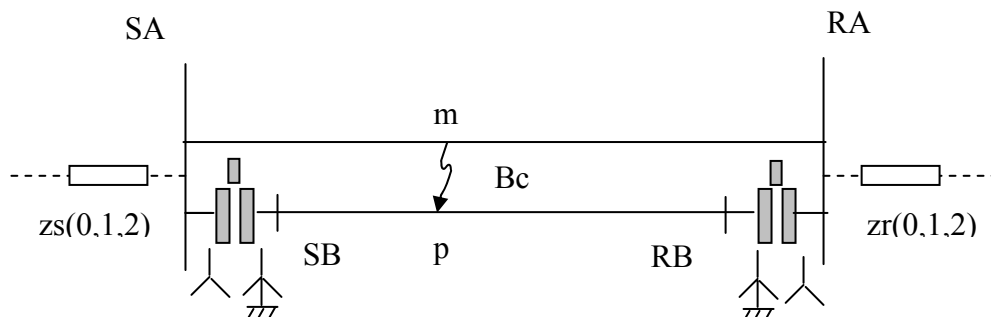
Esquema:

Direccionalidad: $p=m=0...1$ Sensibilidad de Tensión : decreciente (con $p=m$)Sensibilidad de Corriente: decreciente (con $p=m$)

Programa: PG128Mca

Salida Especial Faltas Diversas, Falta Bc: n04

Esquema:



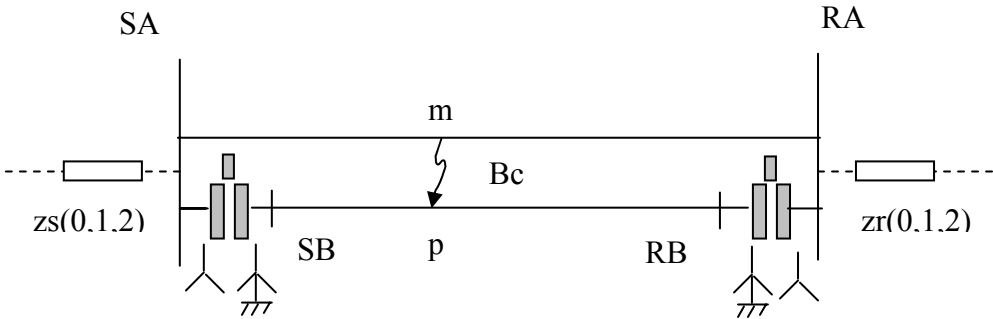
Direccionalidad: 1-p=1-m=0...1

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

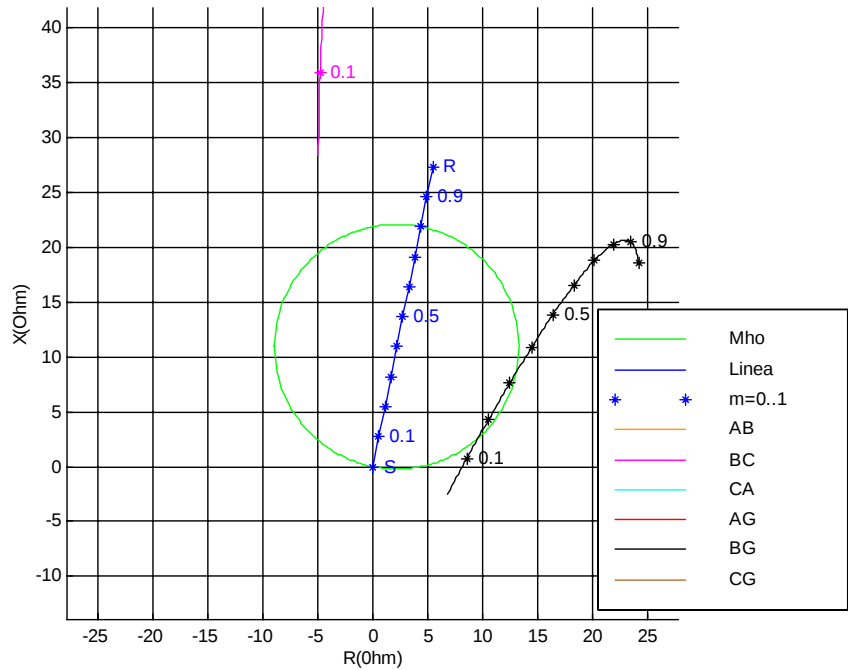
Sensibilidad de Corriente: decreciente (con 1-p=1-m)

Programa: PG128Mca
Salida Especial Faltas Diversas, Falta Bc: z01

Esquema:



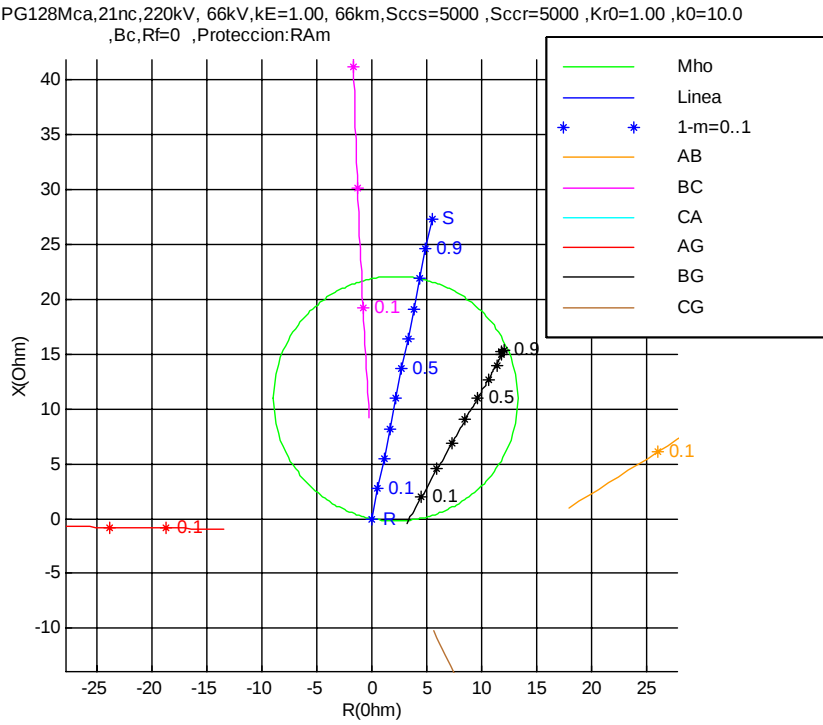
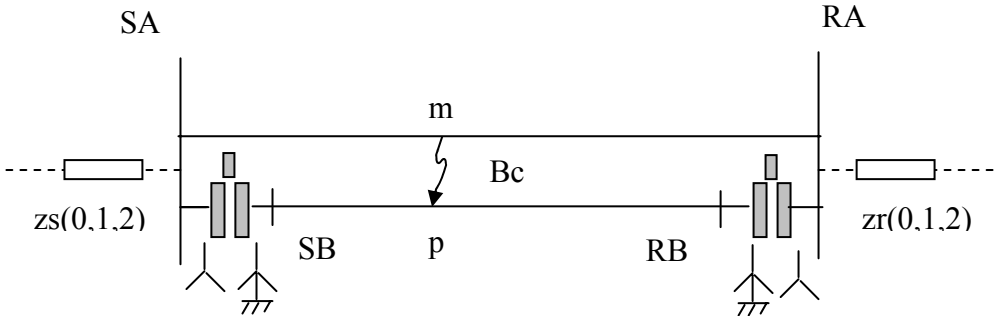
PG128Mca,21nc,220kV, 66kV,kE=1.00, 66km,Scss=5000 ,Sccr=5000 ,Kr0=1.00 ,k0=10.0
,Bc,Rf=0 ,Proteccion:SAm



Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	--	--	--	0.15-0.32	--

Programa: PG128Mca
Salida Especial Faltas Diversas, Falta Bc: z02

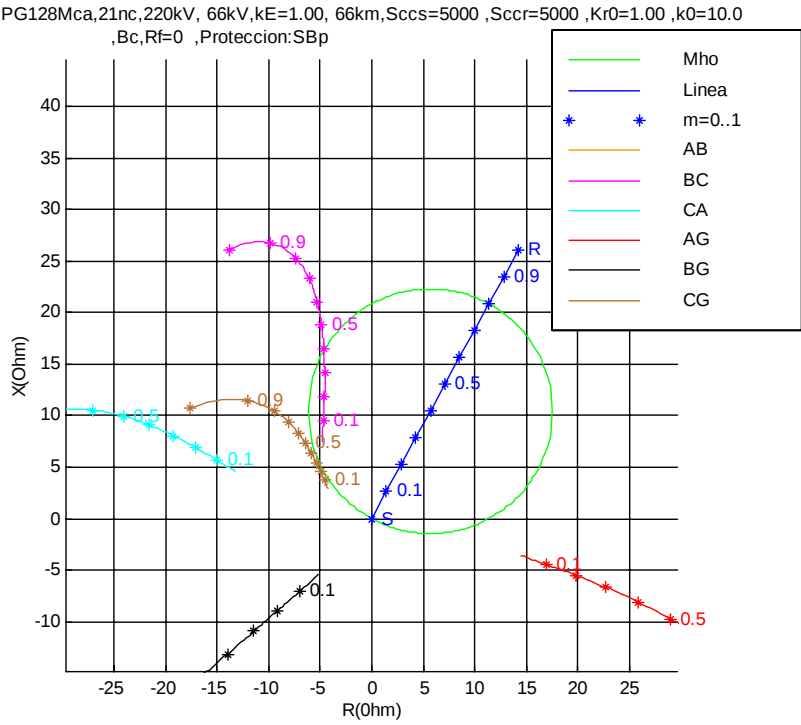
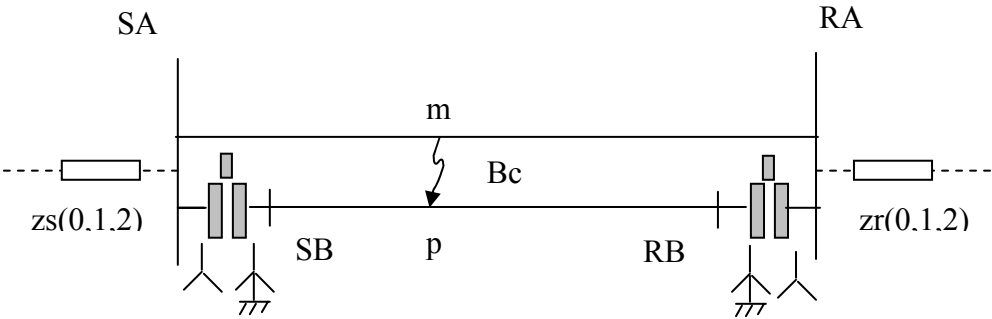
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.12	--	--	0.02-1.00	--

Programa: PG128Mca
Salida Especial Faltas Diversas, Falta Bc: z03

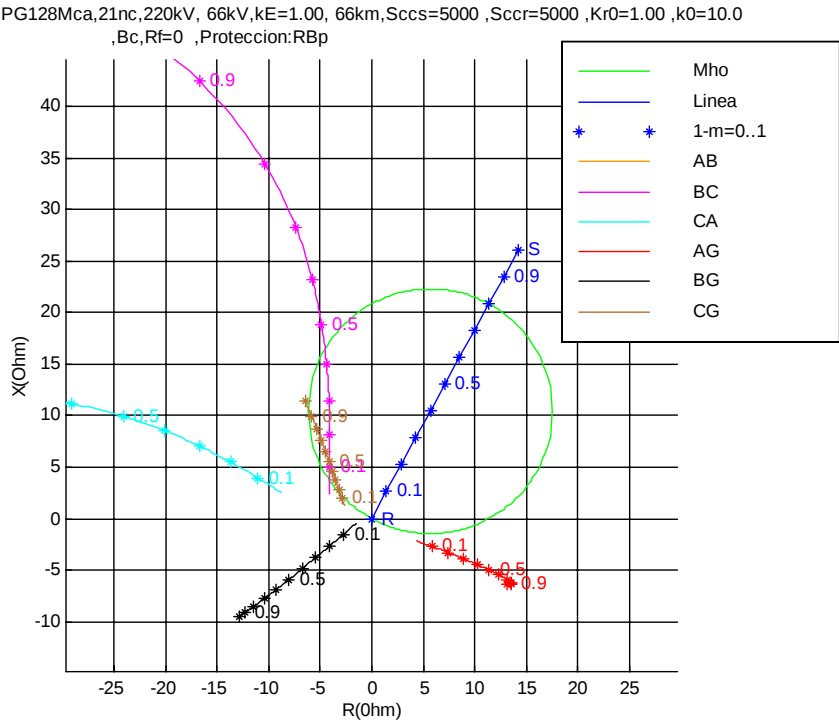
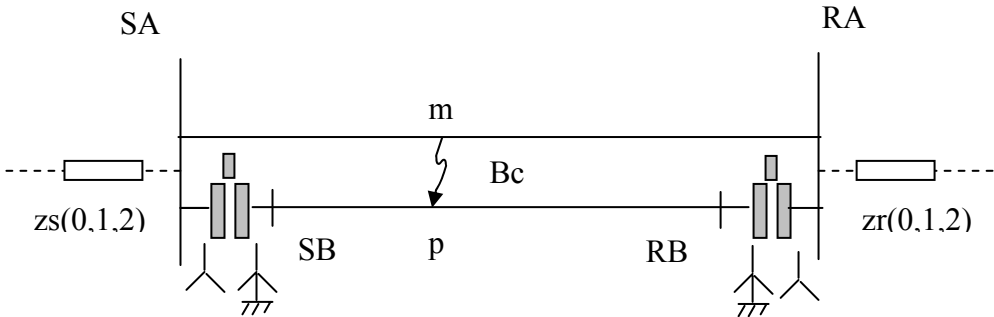
Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.39	--	--	--	--

Programa: PG128Mca
Salida Especial Faltas Diversas, Falta Bc: z04

Esquema:



Unidad	AB	BC	CA	AG	BG	CG
Cobertura	--	0.06-0.44	--	--	--	0.14-0.94