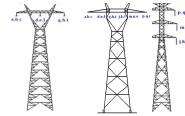


EMIÇÃO DE RADIAÇÃO ELECTROMAGNÉTICA

Cálculo do Campo Elétrico de Linhas MAT

Poste



DADOS

Apóios :	CW
Cond. Geminados:	NAO
Nº de ternos:	2
Cadeia:	AMARRAÇÃO

C. Condutor:	ZEBRA
Diâmetro CC [m] =	2.862E-02

C. Guarda:	DORKING
Diâmetro CG [m] =	1.600E-02

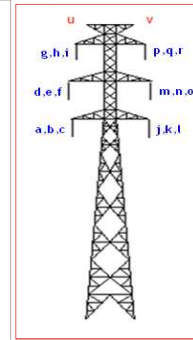
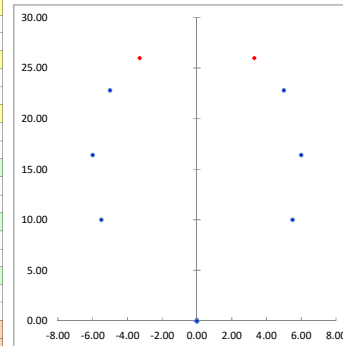
Uc [kV] =	170.00	170.00
Us [kV] =	98.15	98.15

Fase	Vr	Vi
0	22364 98.14	0 0
4	11182 -49.07	85 85
8	11182 -49.07	-85 -85

epsilon=	8.9E-9	[A.s/kV.m]
2*pi*epsilon=	55.6E-9	[A.s/kV.m]
1/(2*pi*epsilon)=	18.0E+6	[1 / (A.s/kV.m)]

GEOMETRIA DOS CABOS [m]

	Fase	X	Y	Ynom.
a	0	-5.50	10.00	40.600
b	x	0.00	0.00	0.000
c	x	0.00	0.00	0.000
d	4	-6.00	16.40	47.000
e	x	0.00	0.00	0.000
f	x	0.00	0.00	0.000
g	8	-5.00	22.80	53.400
h	x	0.00	0.00	0.000
i	x	0.00	0.00	0.000
j	8	5.50	10.00	40.600
k	x	0.00	0.00	0.000
l	x	0.00	0.00	0.000
m	4	6.00	16.40	47.000
n	x	0.00	0.00	0.000
o	x	0.00	0.00	0.000
p	0	5.00	22.80	53.400
q	x	0.00	0.00	0.000
r	x	0.00	0.00	0.000
u	-1	-3.30	26.00	56.600
v	-1	3.30	26.00	56.600

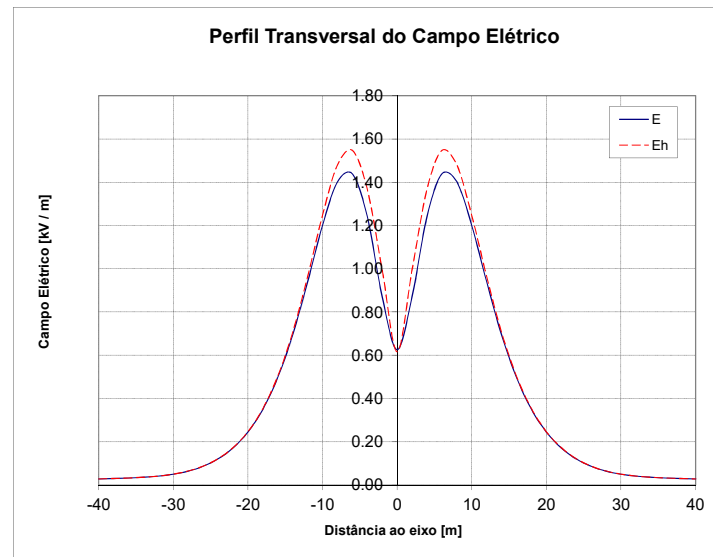


Correcção: -30.60

Campos Elétrico a uma distância h do solo

CABO DE GUARDA LIGADO À TERRA

Dsolo	h = 0 [m]	h = 1,8 [m]
xN	E	Eh
-40	0.03	0.03
-38	0.03	0.03
-36	0.03	0.03
-34	0.04	0.04
-32	0.04	0.04
-30	0.05	0.05
-28	0.06	0.06
-26	0.09	0.09
-24	0.12	0.12
-22	0.17	0.17
-20	0.24	0.25
-18	0.35	0.35
-16	0.50	0.50
-14	0.69	0.71
-12	0.94	0.96
-10	1.20	1.25
-8	1.40	1.48
-6	1.44	1.55
-4	1.24	1.37
-2	0.87	0.99
0	0.63	0.62
2	0.87	0.99
4	1.24	1.37
6	1.44	1.55
8	1.40	1.48
10	1.20	1.25
12	0.94	0.96
14	0.69	0.71
16	0.50	0.50
18	0.35	0.35
20	0.24	0.25
22	0.17	0.17
24	0.12	0.12
26	0.09	0.09
28	0.06	0.06
30	0.05	0.05
32	0.04	0.04
34	0.04	0.04
36	0.03	0.03
38	0.03	0.03
40	0.03	0.03



COND	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	u	v
Emáx. [kV/cm]	11.27647234	0	0	11.25312	0	0	11.40914237	0	0	11.27647	0	0	11.25312	0	0	11.40914	0	0	2.302176	2.302176

EMIÇÃO DE RADIAÇÃO ELECTROMAGNÉTICA

Cálculo do Campo Elétrico de Linhas MAT

Poste

DADOS

Apóios :	YD
Cond. Geminados:	NAO
Nº de ternos:	2
Cadeia:	AMARRAÇÃO

C. Condutor:	ZEBRA
Diâmetro CC [m] =	2.862E-02

C. Guarda:	DORKING
Diâmetro CG [m] =	1.600E-02

Uc [kV] =	170.00	170.00
Us [kV] =	98.15	98.15

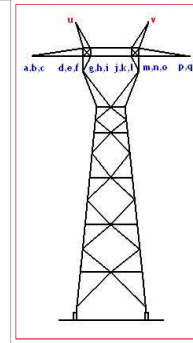
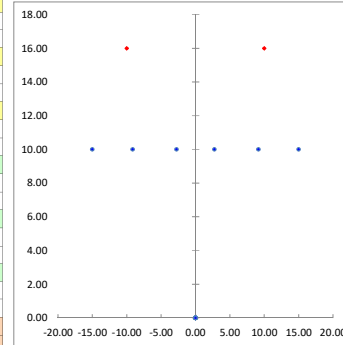
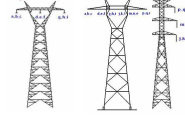
Fase	Vr	Vi
0	22364 98.14	0 0
4	11182 -49.07	85 85
8	11182 -49.07	-85 -85

epsilon=	8.9E-9	[A.s/kV.m]
2*pi*epsilon=	55.6E-9	[A.s/kV.m]
1/(2*pi*epsilon)=	18.0E+6	[1 / (A.s/kV.m)]

GEOMETRIA DOS CABOS [m]

	Fase	X	Y	Ynom.
a	0	-15.00	10.00	35.500
b	x	0.00	0.00	0.000
c	x	0.00	0.00	0.000
d	4	-9.15	10.00	35.500
e	x	0.00	0.00	0.000
f	x	0.00	0.00	0.000
g	8	-2.75	10.00	35.500
h	x	0.00	0.00	0.000
i	x	0.00	0.00	0.000
j	0	2.75	10.00	35.500
k	x	0.00	0.00	0.000
l	x	0.00	0.00	0.000
m	4	9.15	10.00	35.500
n	x	0.00	0.00	0.000
o	x	0.00	0.00	0.000
p	8	15.00	10.00	35.500
q	x	0.00	0.00	0.000
r	x	0.00	0.00	0.000
u	-1	-10.00	16.00	41.500
v	-1	10.00	16.00	41.500

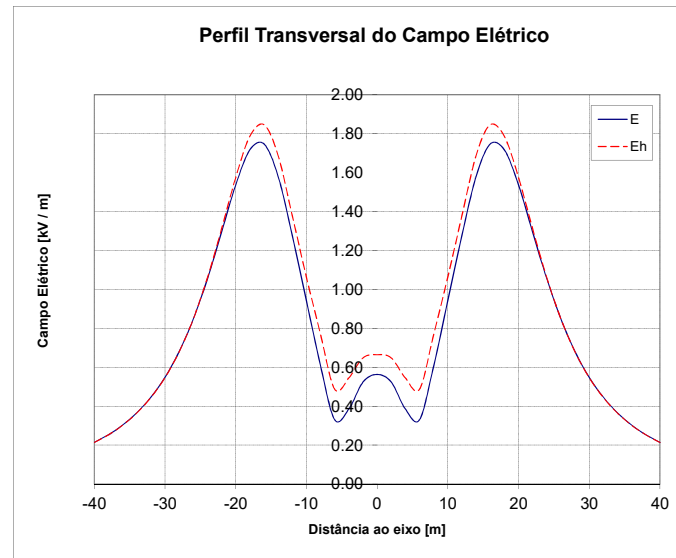
Correcção: -25.50



Campo Elétrico a uma distância h do solo

CABO DE GUARDA LIGADO À TERRA

Dsolo	h = 0 [m]	h = 1,8 [m]
xN	E	Eh
-40	0.21	0.21
-38	0.25	0.25
-36	0.30	0.30
-34	0.37	0.36
-32	0.45	0.44
-30	0.55	0.55
-28	0.68	0.68
-26	0.85	0.85
-24	1.05	1.06
-22	1.29	1.31
-20	1.54	1.57
-18	1.72	1.79
-16	1.75	1.85
-14	1.58	1.69
-12	1.28	1.38
-10	0.94	1.06
-8	0.61	0.77
-6	0.33	0.49
-4	0.38	0.54
-2	0.52	0.65
0	0.56	0.66
2	0.52	0.65
4	0.38	0.54
6	0.33	0.49
8	0.61	0.77
10	0.94	1.06
12	1.28	1.38
14	1.58	1.69
16	1.75	1.85
18	1.72	1.79
20	1.54	1.57
22	1.29	1.31
24	1.05	1.06
26	0.85	0.85
28	0.68	0.68
30	0.55	0.55
32	0.45	0.44
34	0.37	0.36
36	0.30	0.30
38	0.25	0.25
40	0.21	0.21

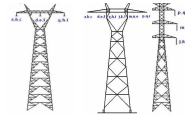


COND	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	u	v
Emáx. [kV/cm]	10.81228511	0	0	11.69608	0	0	11.80629838	0	0	11.8063	0	0	11.69608	0	0	10.81229	0	0	1.088408	1.088408

EMIÇÃO DE RADIAÇÃO ELECTROMAGNÉTICA

Cálculo do Campo Elétrico de Linhas MAT

Poste



DADOS

Apóios :	CW
Cond. Geminados:	NAO
Nº de ternos:	2
Cadeia:	AMARRAÇÃO

C. Condutor:	ZEBRA
Diâmetro CC [m] =	2.862E-02

C. Guarda:	DORKING
Diâmetro CG [m] =	1.600E-02

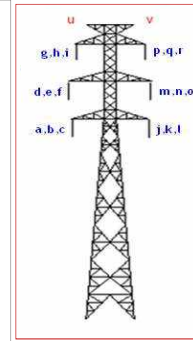
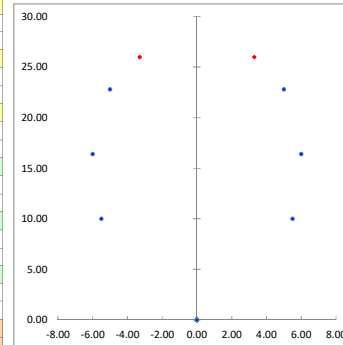
Uc [kV] =	156.00	156.00
Us [kV] =	90.07	90.07

Fase	Vr	Vi
0	35816 90.06	0 0
4	67908 -45.03	78 78
8	67908 -45.03	-78 -78

epsilon=	8.9E-9	[A.s/kV.m]
2*pi*epsilon=	55.6E-9	[A.s/kV.m]
1/(2*pi*epsilon)=	18.0E+6	[1 / (A.s/kV.m)]

GEOMETRIA DOS CABOS [m]

	Fase	X	Y	Ynom.
a	0	-5.50	10.00	40.600
b	x	0.00	0.00	0.000
c	x	0.00	0.00	0.000
d	4	-6.00	16.40	47.000
e	x	0.00	0.00	0.000
f	x	0.00	0.00	0.000
g	8	-5.00	22.80	53.400
h	x	0.00	0.00	0.000
i	x	0.00	0.00	0.000
j	8	5.50	10.00	40.600
k	x	0.00	0.00	0.000
l	x	0.00	0.00	0.000
m	4	6.00	16.40	47.000
n	x	0.00	0.00	0.000
o	x	0.00	0.00	0.000
p	0	5.00	22.80	53.400
q	x	0.00	0.00	0.000
r	x	0.00	0.00	0.000
u	-1	-3.30	26.00	56.600
v	-1	3.30	26.00	56.600

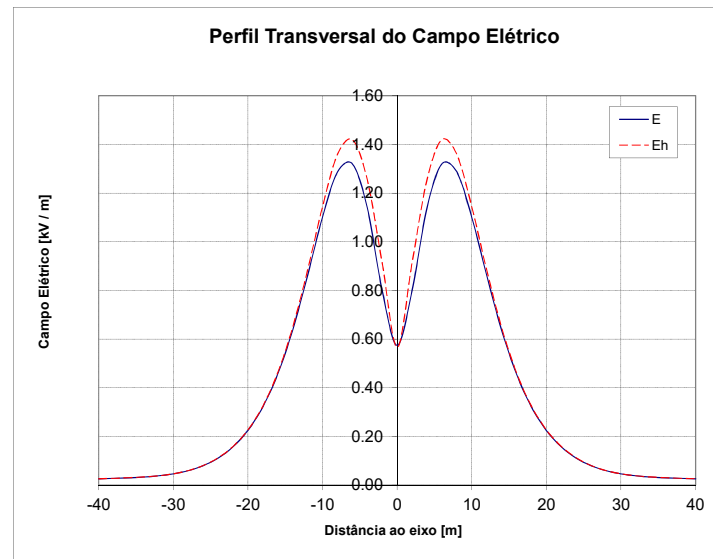


Correcção: -30.60

Campo Elétrico a uma distância h do solo

CABO DE GUARDA LIGADO À TERRA

Dsolo	h = 0 [m]	h = 1,8 [m]
xN	E	Eh
-40	0.03	0.03
-38	0.03	0.03
-36	0.03	0.03
-34	0.03	0.03
-32	0.04	0.04
-30	0.05	0.05
-28	0.06	0.06
-26	0.08	0.08
-24	0.11	0.11
-22	0.16	0.16
-20	0.22	0.23
-18	0.32	0.32
-16	0.46	0.46
-14	0.64	0.65
-12	0.86	0.88
-10	1.10	1.14
-8	1.29	1.36
-6	1.32	1.42
-4	1.14	1.25
-2	0.80	0.91
0	0.57	0.57
2	0.80	0.91
4	1.14	1.25
6	1.32	1.42
8	1.29	1.36
10	1.10	1.14
12	0.86	0.88
14	0.64	0.65
16	0.46	0.46
18	0.32	0.32
20	0.22	0.23
22	0.16	0.16
24	0.11	0.11
26	0.08	0.08
28	0.06	0.06
30	0.05	0.05
32	0.04	0.04
34	0.03	0.03
36	0.03	0.03
38	0.03	0.03
40	0.03	0.03



COND	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	u	v
Emáx. [kV/cm]	10.34782168	0	0	10.32639	0	0	10.46956594	0	0	10.34782	0	0	10.32639	0	0	10.46957	0	0	2.112585	2.112585

EMIÇÃO DE RADIAÇÃO ELECTROMAGNÉTICA

Cálculo do Campo Elétrico de Linhas MAT

Poste

DADOS

Apóios :	YD
Cond. Geminados:	NAO
Nº de ternos:	2
Cadeia:	AMARRAÇÃO

C. Condutor:	ZEBRA
Diâmetro CC [m] =	2.862E-02

C. Guarda:	DORKING
Diâmetro CG [m] =	1.600E-02

Uc [kV] =	156.00	156.00
Us [kV] =	90.07	90.07

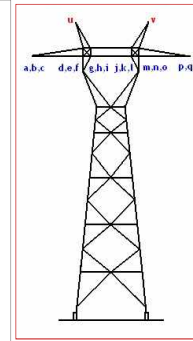
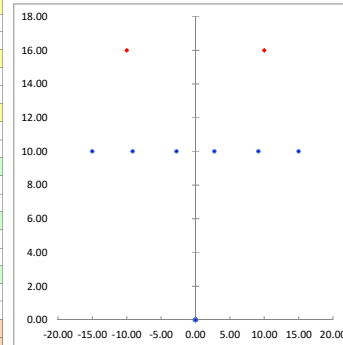
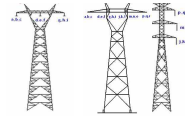
Fase	Vr	Vi
0	35816 90.06	0 0
4	67908 -45.03	78 78
8	67908 -45.03	-78 -78

epsilon=	8.9E-9	[A.s/kV.m]
2*pi*epsilon=	55.6E-9	[A.s/kV.m]
1/(2*pi*epsilon)=	18.0E+6	[1 / (A.s/kV.m)]

GEOMETRIA DOS CABOS [m]

	Fase	X	Y	Ynom.
a	0	-15.00	10.00	35.500
b	x	0.00	0.00	0.000
c	x	0.00	0.00	0.000
d	4	-9.15	10.00	35.500
e	x	0.00	0.00	0.000
f	x	0.00	0.00	0.000
g	8	-2.75	10.00	35.500
h	x	0.00	0.00	0.000
i	x	0.00	0.00	0.000
j	0	2.75	10.00	35.500
k	x	0.00	0.00	0.000
l	x	0.00	0.00	0.000
m	4	9.15	10.00	35.500
n	x	0.00	0.00	0.000
o	x	0.00	0.00	0.000
p	8	15.00	10.00	35.500
q	x	0.00	0.00	0.000
r	x	0.00	0.00	0.000
u	-1	-10.00	16.00	41.500
v	-1	10.00	16.00	41.500

Correcção: -25.50

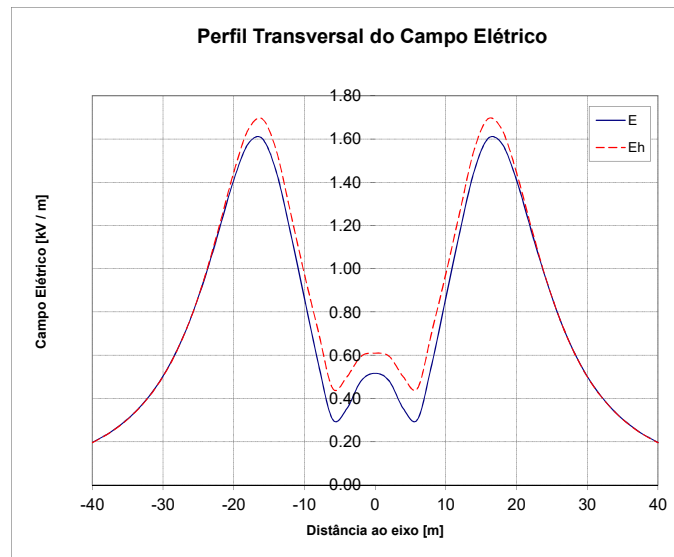


Campo Elétrico a uma distância h do solo

CABO DE GUARDA LIGADO À TERRA

Dsolo	h = 0 [m]	h = 1,8 [m]
xN	E	Eh
-40	0.20	0.20
-38	0.23	0.23
-36	0.28	0.28
-34	0.34	0.33
-32	0.41	0.41
-30	0.50	0.50
-28	0.62	0.62
-26	0.78	0.78
-24	0.97	0.97
-22	1.19	1.20
-20	1.41	1.44
-18	1.57	1.64
-16	1.60	1.69
-14	1.45	1.55
-12	1.17	1.26
-10	0.87	0.98
-8	0.56	0.71
-6	0.30	0.45
-4	0.35	0.50
-2	0.48	0.59
0	0.52	0.61
2	0.48	0.59
4	0.35	0.50
6	0.30	0.45
8	0.56	0.71
10	0.87	0.98
12	1.17	1.26
14	1.45	1.55
16	1.60	1.69
18	1.57	1.64
20	1.41	1.44
22	1.19	1.20
24	0.97	0.97
26	0.78	0.78
28	0.62	0.62
30	0.50	0.50
32	0.41	0.41
34	0.34	0.33
36	0.28	0.28
38	0.23	0.23
40	0.20	0.20

Perfil Transversal do Campo Elétrico



COND	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	u	v
Emáx. [kV/cm]	9.92186163	0	0	10.73288	0	0	10.83401499	0	0	10.83401	0	0	10.73288	0	0	9.921862	0	0	0.998774	0.998774

EMIÇÃO DE RADIAÇÃO ELECTROMAGNÉTICA

Cálculo do Campo Elétrico de Linhas MAT

Poste

DADOS

Apóios :	DL
Cond. Geminados:	2
Nº de ternos:	2
Cadeia:	AMARRAÇÃO

C. Condutor:	ZEBRA
Diâmetro CC [m] =	1.600E-02

C. Guarda:	DORKING
Diâmetro CG [m] =	1.600E-02

Uc [kV] =	170.00	170.00
Us [kV] =	98.15	98.15

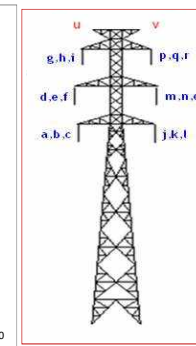
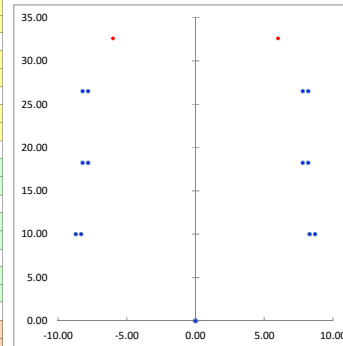
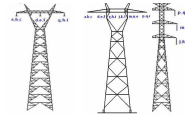
Fase	Vr	Vi
0	22364 98.14	0 0
4	11182 -49.07	85 85
8	11182 -49.07	-85 -85

epsilon=	8.9E-9	[A.s/kV.m]
2*pi*epsilon=	55.6E-9	[A.s/kV.m]
1/(2*pi*epsilon)=	18.0E+6	[1 / (A.s/kV.m)]

GEOMETRIA DOS CABOS [m]

	Fase	X	Y	Ynom.
a	0	-8.70	10.00	45.000
b	0	-8.30	10.00	45.000
c	x	0.00	0.00	0.000
d	4	-8.20	18.25	53.250
e	4	-7.80	18.25	53.250
f	x	0.00	0.00	0.000
g	8	-8.20	26.50	61.500
h	8	-7.80	26.50	61.500
i	x	0.00	0.00	0.000
j	8	8.30	10.00	45.000
k	8	8.70	10.00	45.000
l	x	0.00	0.00	0.000
m	4	7.80	18.25	53.250
n	4	8.20	18.25	53.250
o	x	0.00	0.00	0.000
p	0	7.80	26.50	61.500
q	0	8.20	26.50	61.500
r	x	0.00	0.00	0.000
u	-1	-6.00	32.60	67.600
v	-1	6.00	32.60	67.600

Correcção: -35.00

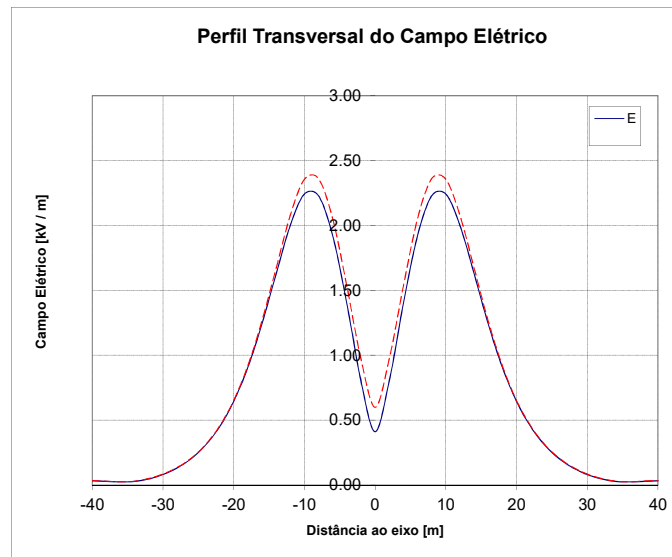


Campo Elétrico a uma distância h do solo

CABO DE GUARDA LIGADO À TERRA

Dsolo	h = 0 [m]	h = 1,8 [m]
xN	E	Eh
-40	0.03	0.03
-38	0.03	0.03
-36	0.02	0.02
-34	0.03	0.03
-32	0.05	0.05
-30	0.08	0.08
-28	0.13	0.14
-26	0.20	0.21
-24	0.31	0.31
-22	0.45	0.45
-20	0.64	0.65
-18	0.91	0.92
-16	1.24	1.26
-14	1.63	1.67
-12	2.00	2.08
-10	2.24	2.36
-8	2.23	2.36
-6	1.92	2.05
-4	1.40	1.53
-2	0.80	0.97
0	0.41	0.60
2	0.80	0.97
4	1.40	1.53
6	1.92	2.05
8	2.23	2.36
10	2.24	2.36
12	2.00	2.08
14	1.63	1.67
16	1.24	1.26
18	0.91	0.92
20	0.64	0.65
22	0.45	0.45
24	0.31	0.31
26	0.20	0.21
28	0.13	0.14
30	0.08	0.08
32	0.05	0.05
34	0.03	0.03
36	0.02	0.02
38	0.03	0.03
40	0.03	0.03

Perfil Transversal do Campo Elétrico



COND	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	u	v
Emáx. [kV/cm]	12.38318629	12.42512	0	12.38914	12.35036	0	12.2264161	12.2871322	0	12.42512	12.38319	0	12.35036	12.38914	0	12.28713	12.2264	0	2.253407	2.253407

EMISSÃO DE RADIAÇÃO ELECTROMAGNÉTICA

Cálculo do Campo Elétrico de Linhas MAT

Poste

DADOS

Apoios :	DV3
Cond. Geminados:	2
Nº de ternos:	3
Cadeia:	AMARRAÇÃO

C. Condutor:	ZEBRA	ZAMBEZE
Diâmetro CC [m] =	3.180E-02	

C. Guarda:	DORKING
Diâmetro CG [m] =	1.600E-02

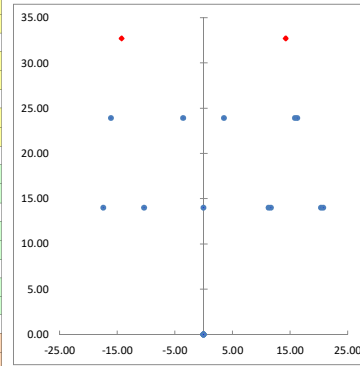
Uc [kV] =	170.00	420.00
Us [kV] =	98.15	242.49

Fase	Vr	Vi
0	22364 242.48	0 0
4	11182 -121.2	85 210
8	11182 -121.2	-85 -210

epsilon=	8.9E-9	[A.s/kV.m]
2*pi*epsilon=	55.6E-9	[A.s/kV.m]
1/(2*pi*epsilon) =	18.0E+6	[1 / (A.s/kV.m)]

GEOMETRIA DOS CABOS [m]

	Fase	X	Y	Ynom.
a	0	-16.06	23.90	33.500
b	4	-17.40	14.00	23.600
c	x	0.00	0.00	0.000
d	8	-10.31	14.00	23.600
e	0	0.00	14.00	23.600
f	x	0.00	0.00	0.000
g	4	-3.55	23.90	33.500
h	8	3.55	23.90	33.500
i	x	0.00	0.00	0.000
j	8	15.86	23.90	33.500
k	8	16.26	23.90	33.500
l	x	0.00	0.00	0.000
m:	4	11.30	14.00	23.600
n:	4	11.70	14.00	23.600
o:	x	0.00	0.00	0.000
p:	0	20.40	14.00	23.600
q:	0	20.80	14.00	23.600
r:	x	0.00	0.00	0.000
u	-1	-14.25	32.70	42.300
v	-1	14.25	32.70	42.300



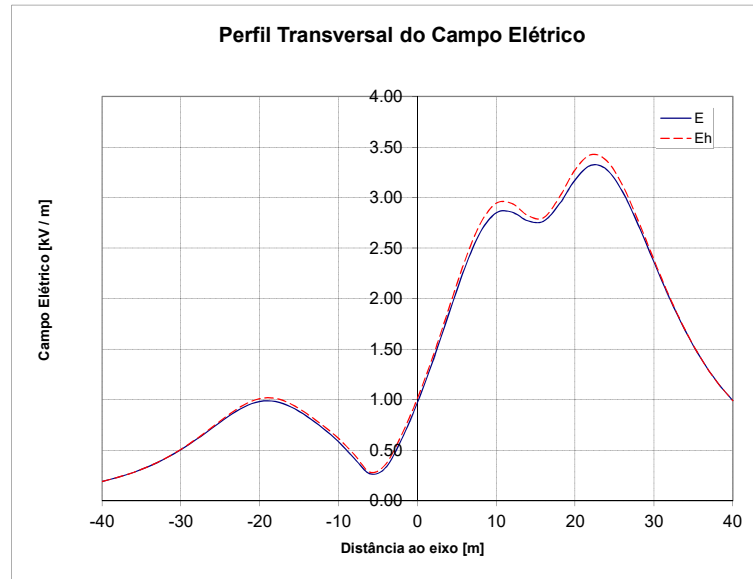
Correcção: -9.60

Campo Elétrico a uma distância h do solo

CABO DE GUARDA LIGADO À TERRA

Dsolo	h = 0 [m]		h = 1,8 [m]	
	xN	E	Eh	
-40		0.19		0.19
-38		0.23		0.23
-36		0.28		0.28
-34		0.34		0.34
-32		0.42		0.42
-30		0.51		0.51
-28		0.61		0.62
-26		0.72		0.73
-24		0.83		0.85
-22		0.93		0.95
-20		0.98		1.01
-18		0.98		1.01
-16		0.93		0.96
-14		0.83		0.86
-12		0.72		0.75
-10		0.58		0.62
-8		0.42		0.46
-6		0.27		0.28
-4		0.33		0.37
-2		0.61		0.66
0		0.97		1.01
2		1.39		1.44
4		1.85		1.91
6		2.30		2.37
8		2.66		2.75
10		2.85		2.95
12		2.86		2.94
14		2.77		2.82
16		2.77		2.80
18		2.94		3.00
20		3.18		3.28
22		3.32		3.42
24		3.28		3.37
26		3.06		3.12
28		2.73		2.77
30		2.36		2.39
32		2.00		2.01
34		1.68		1.68
36		1.40		1.41
38		1.18		1.18
40		0.99		0.99

Perfil Transversal do Campo Elétrico



COND	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	u	v
Emáx. [kV/cm]	10.82946395	10.62811	0	11.35154	11.961825	0	10.93814779	9.6805549	0	15.29161	15.31952	0	16.51261	16.72547	0	16.24611	15.98732	0	0.60951	6.767028

EMIÇÃO DE RADIAÇÃO ELECTROMAGNÉTICA

Cálculo do Campo Elétrico de Linhas MAT

Poste

DADOS

Apóios :	DL
Cond. Geminados:	2
Nº de ternos:	2
Cadeia:	AMARRAÇÃO

C. Condutor:	ZEBRA
Diâmetro CC [m] =	1.600E-02

C. Guarda:	DORKING
Diâmetro CG [m] =	1.600E-02

Uc [kV] =	156.00	156.00
Us [kV] =	90.07	90.07

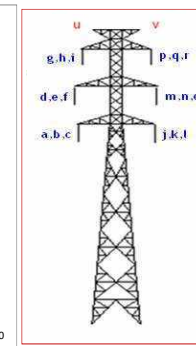
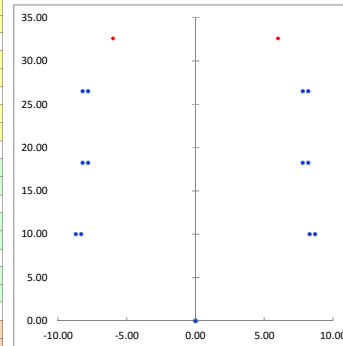
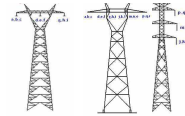
Fase	Vr	Vi
0	35816 90.06	0 0
4	67908 -45.03	78 78
8	67908 -45.03	-78 -78

epsilon=	8.9E-9	[A.s/kV.m]
2*pi*epsilon=	55.6E-9	[A.s/kV.m]
1/(2*pi*epsilon) =	18.0E+6	[1 / (A.s/kV.m)]

GEOMETRIA DOS CABOS [m]

	Fase	X	Y	Ynom.
a	0	-8.70	10.00	45.000
b	0	-8.30	10.00	45.000
c	x	0.00	0.00	0.000
d	4	-8.20	18.25	53.250
e	4	-7.80	18.25	53.250
f	x	0.00	0.00	0.000
g	8	-8.20	26.50	61.500
h	8	-7.80	26.50	61.500
i	x	0.00	0.00	0.000
j	8	8.30	10.00	45.000
k	8	8.70	10.00	45.000
l	x	0.00	0.00	0.000
m	4	7.80	18.25	53.250
n	4	8.20	18.25	53.250
o	x	0.00	0.00	0.000
p	0	7.80	26.50	61.500
q	0	8.20	26.50	61.500
r	x	0.00	0.00	0.000
u	-1	-6.00	32.60	67.600
v	-1	6.00	32.60	67.600

Correcção: -35.00

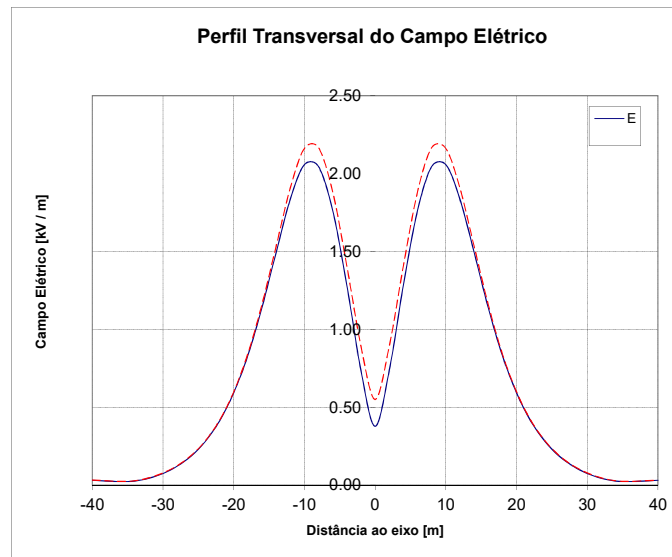


Campo Elétrico a uma distância h do solo

CABO DE GUARDA LIGADO À TERRA

Dsolo	h = 0 [m]	h = 1,8 [m]
xN	E	Eh
-40	0.03	0.03
-38	0.03	0.03
-36	0.02	0.02
-34	0.03	0.03
-32	0.04	0.05
-30	0.07	0.08
-28	0.12	0.12
-26	0.19	0.19
-24	0.28	0.28
-22	0.41	0.42
-20	0.59	0.60
-18	0.83	0.84
-16	1.14	1.16
-14	1.49	1.53
-12	1.84	1.91
-10	2.06	2.16
-8	2.04	2.17
-6	1.76	1.88
-4	1.28	1.41
-2	0.73	0.89
0	0.38	0.55
2	0.73	0.89
4	1.28	1.41
6	1.76	1.88
8	2.04	2.17
10	2.06	2.16
12	1.84	1.91
14	1.49	1.53
16	1.14	1.16
18	0.83	0.84
20	0.59	0.60
22	0.41	0.42
24	0.28	0.28
26	0.19	0.19
28	0.12	0.12
30	0.07	0.08
32	0.04	0.05
34	0.03	0.03
36	0.02	0.02
38	0.03	0.03
40	0.03	0.03

Perfil Transversal do Campo Elétrico



COND	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	u	v
Emáx. [kV/cm]	11.36339448	11.40188	0	11.36885	11.333272	0	11.21607112	11.2752507	0	11.40188	11.36339	0	11.33327	11.36885	0	11.27525	11.21607	0	2.067832	2.067832

EMISSÃO DE RADIAÇÃO ELECTROMAGNÉTICA

Cálculo do Campo Elétrico de Linhas MAT

Poste

DADOS

Apoios :	DV3
Cond. Geminados:	2
Nº.de ternos:	3
Cadeia:	AMARRAÇÃO

C.Condutor:	ZAMBEZE	ZEBRA
Diâmetro CC [m] =	3.180E-02	

C. Guarda:	DORKING
Diâmetro CG [m] =	1.600E-02

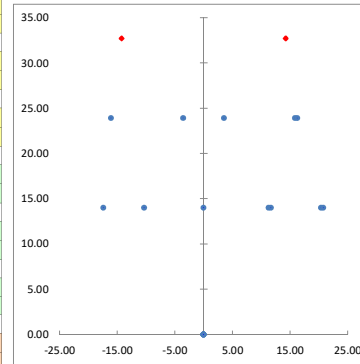
Uc [kV] =	156.00	406.00
Us [kV] =	90.07	234.40

Fase	Vr	Vi
0	35816 234.40	0 0
4	67908 -117.2	78 203
8	67908 -117.2	-78 -203

epsilon=	8.9E-9	[A.s/kV.m]
2*pi*epsilon=	55.6E-9	[A.s/kV.m]
1/(2*pi*epsilon) =	18.0E+6	[1 / (A.s/kV.m)]

GEOMETRIA DOS CABOS [m]

	Fase	X	Y	Ynom.
a	0	-16.06	23.90	33.500
b	4	-17.40	14.00	23.600
c	x	0.00	0.00	0.000
d	8	-10.31	14.00	23.600
e	0	0.00	14.00	23.600
f	x	0.00	0.00	0.000
g	4	-3.55	23.90	33.500
h	8	3.55	23.90	33.500
i	x	0.00	0.00	0.000
j	8	15.86	23.90	33.500
k	8	16.26	23.90	33.500
l	x	0.00	0.00	0.000
m:	4	11.30	14.00	23.600
n:	4	11.70	14.00	23.600
o:	x	0.00	0.00	0.000
p:	0	20.40	14.00	23.600
q:	0	20.80	14.00	23.600
r:	x	0.00	0.00	0.000
u	-1	-14.25	32.70	42.300
v	-1	14.25	32.70	42.300



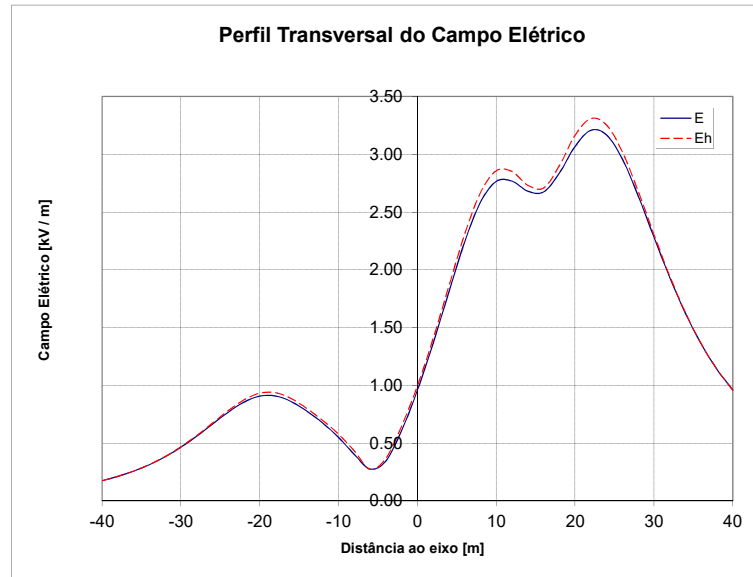
Correcção: -9.60

Campo Elétrico a uma distância h do solo

CABO DE GUARDA LIGADO À TERRA

Dsolo	h = 0 [m]		h = 1,8 [m]	
	xN	E	Eh	
-40		0.17		0.17
-38		0.21		0.21
-36		0.26		0.26
-34		0.31		0.31
-32		0.38		0.38
-30		0.46		0.47
-28		0.56		0.56
-26		0.66		0.67
-24		0.77		0.78
-22		0.86		0.87
-20		0.91		0.93
-18		0.91		0.94
-16		0.86		0.89
-14		0.78		0.80
-12		0.67		0.70
-10		0.55		0.58
-8		0.40		0.43
-6		0.28		0.27
-4		0.35		0.37
-2		0.61		0.65
0		0.96		1.00
2		1.37		1.41
4		1.81		1.86
6		2.24		2.31
8		2.59		2.67
10		2.77		2.86
12		2.77		2.85
14		2.68		2.73
16		2.67		2.71
18		2.84		2.90
20		3.07		3.17
22		3.21		3.31
24		3.17		3.25
26		2.96		3.02
28		2.64		2.68
30		2.28		2.31
32		1.94		1.95
34		1.62		1.63
36		1.36		1.36
38		1.14		1.14
40		0.96		0.96

Perfil Transversal do Campo Elétrico



COND	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	u	v
Emáx. [kV/cm]	9.155358561	8.976324	0	9.599809	10.164619	0	9.238784626	8.1312505	0	14.79785	14.82266	0	15.9477	16.15542	0	15.70461	15.4542	0	0.529362	6.504655