

ANEXOS RT UNIDAD 6 GUATAPE

Tabla 2. Parámetros del AVR

Common Model - Grid\AVR.ElmDsl

Name: AVR

Model Definition: ... Models\Models_Guatape\AVR

☐ Out of Service ☐ A-stable integration algorithm

	Parameter	
▶ TmedIX	0,02	
T2	8,	
T1	2,	
K	1,	
TmedVT	0,01	
CCR	-0,03	
KA	500,	
TETO	5,99	
TmedP	0,02	
TmedQ	0,02	
Kt	1,	
VAmin	-5,1875	
Lim_Ref_Min	0,9	
Min_CC	-0,05	
VAmax	5,899	
Lim_Ref_Max	1,1	
Max_CC	0,05	

Export to Clipboard

OK Cancel Events

Conversor de Potencia (DRIVE)

Limitador de Sobreexcitación (OEL, Digsilent = LCC)

OEL:

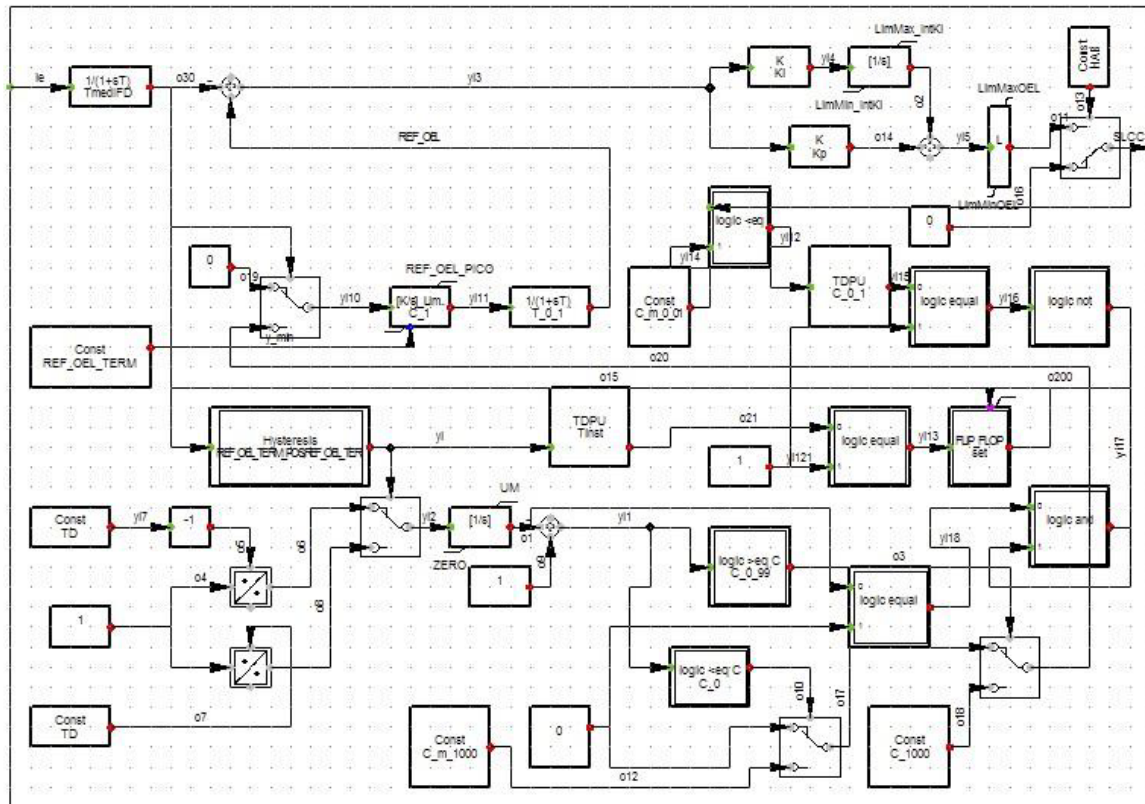


Figura 3. Diagrama de bloques del limitador OEL

Tabla 4. Parámetros del limitador OEL

Common Model - Grid\OEL\OELmDsl		
Name	OEL	
Model Definition	... ned Models\Models_Guatemala\OEL	
☐ Out of Service	☐ A-stable integration algorithm	
Parameter		
REF_OEL_TERM	2.32	
TD	1.	
Ki	0.1	
C_1	1.	
Kp	0.05	
TmedIFD	0.02	
T_0_1	0.1	
HAB	1.	
REF_OEL_TERM_POS	2.321	
REF_OEL_TERM_NEG	2.319	
Tinst	10.	
C_m_0_01	-0.01	
C_m_1000	-1000.	
C_1000	1000.	
set	0.5	
C_0_1	0.1	
C_0_99	0.99	

Export to Clipboard

Common Model - Grid\OEL\ElmDsl

Name:

Model Definition: ...ned Models\Models_Guatape\OEL

☐ Out of Service ☐ A-stable integration algorithm

	Parameter	
C_0	0,	
ZERO	0,	
LimMin_IntKi	-5,	
LimMinOEL	-5,	
UM	1,	
REF_OEL_PICO	2,554708	
LimMax_IntKi	0,	
LimMaxOEL	0,	

Tabla 5. Parámetros del limitador UEL

Common Model - Grid\UEL.ElmDsl

Name:

Model Definition:

☐ Out of Service ☐ A-stable integration algorithm

Parameter	
Tmed	0.01
TFilt_P	1.
TFilt_Q	0.01
Ki	0.15
Kp	0.2
HAB	1.
K	2.
KENS	1.
LimMinINT	0.
LimMinLSE	0.
LimMaxINT	10.
LimMaxLSE	10.

Export to Clipboard

OK Cancel Events

Common Model - Grid\UEL.ElmDsl

Characteristics:

	K _x	K _y
Size	5.	0.
1	0.	-0.61
2	0.25	-0.58
3	0.5	-0.54
4	0.75	-0.48
5	1.	-0.36

OK Cancel

Limitador de Corriente de Estator (SCL, Digsilent = LCE)

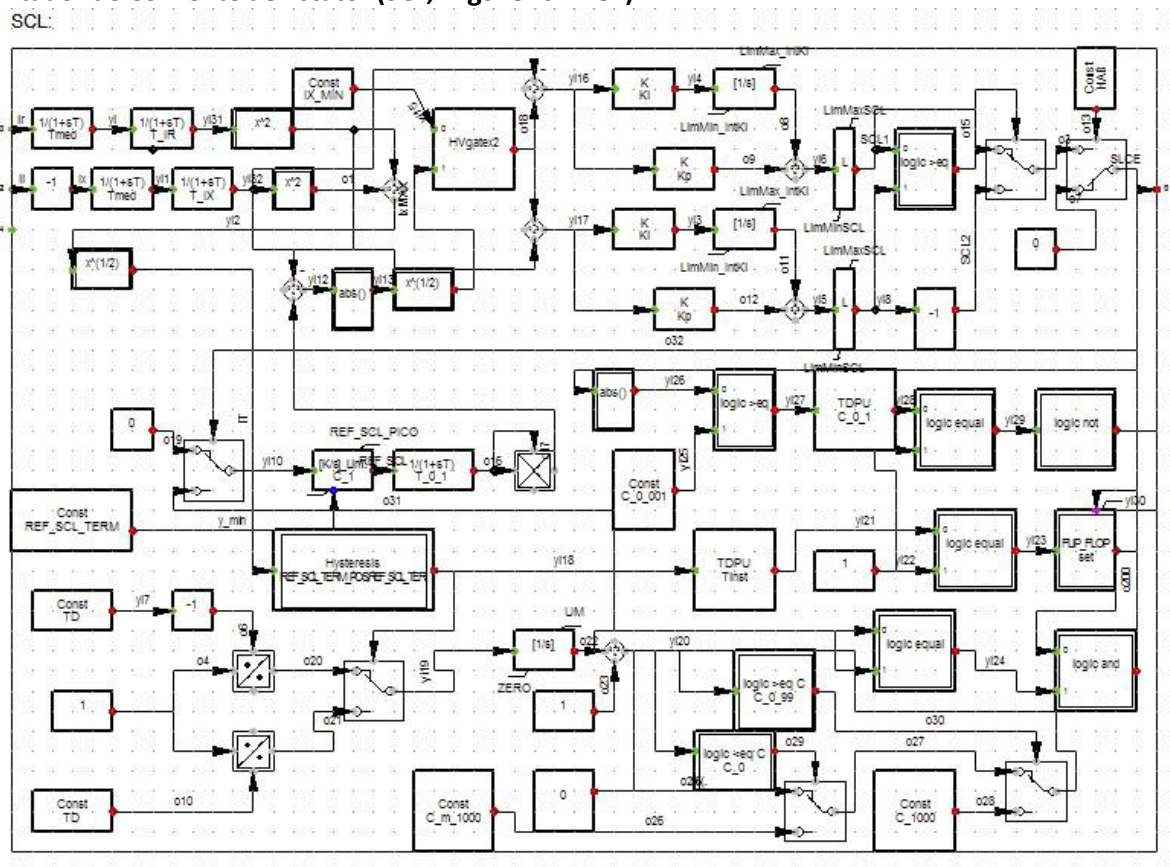


Figura 5. Diagrama de bloques del limitador SCL

Tabla 6. Parámetros del limitador SCL

Common Model - Grid\SCLElmDsl		
Name	SCL	
Model Definition	... ned Models\Models_Guatape\SCL	
☐ Out of Service	☐ A-stable integration algorithm	
Parameter	Value	
Tmed	0.02	
TD	60.	
T_IR	1.	
IX_MIN	0.05	
REF_SCL_TERM	1.	
T_IX	0.01	
KI	0.15	
C_1	1.	
Kp	0.05	
T_0_1	0.1	
HAB	1.	
REF_SCL_TERM_POS	1.01	
REF_SCL_TERM_NEG	0.99	
Tinst	2.	
C_m_1000	-1000.	
C_1000	1000.	
C_0_001	0.001	

Common Model - Grid\SCL\ElmDsl

Name:

Model Definition: ... ned Models\Models_Guatape\SCL

☐ Out of Service ☐ A-stable integration algorithm

	Parameter	
set	0.5	
C_0_1	0.1	
C_0_99	0.99	
C_0	0.	
ZERO	0.	
LimMin_IntKi	-1.	
LimMinSCL	-1.	
UM	1.	
REF_SCL_PICO	3.	
LimMax_IntKi	0.	
LimMaxSCL	0.	

Limitador de Sobreflujo (Digsilent = LVHZ)

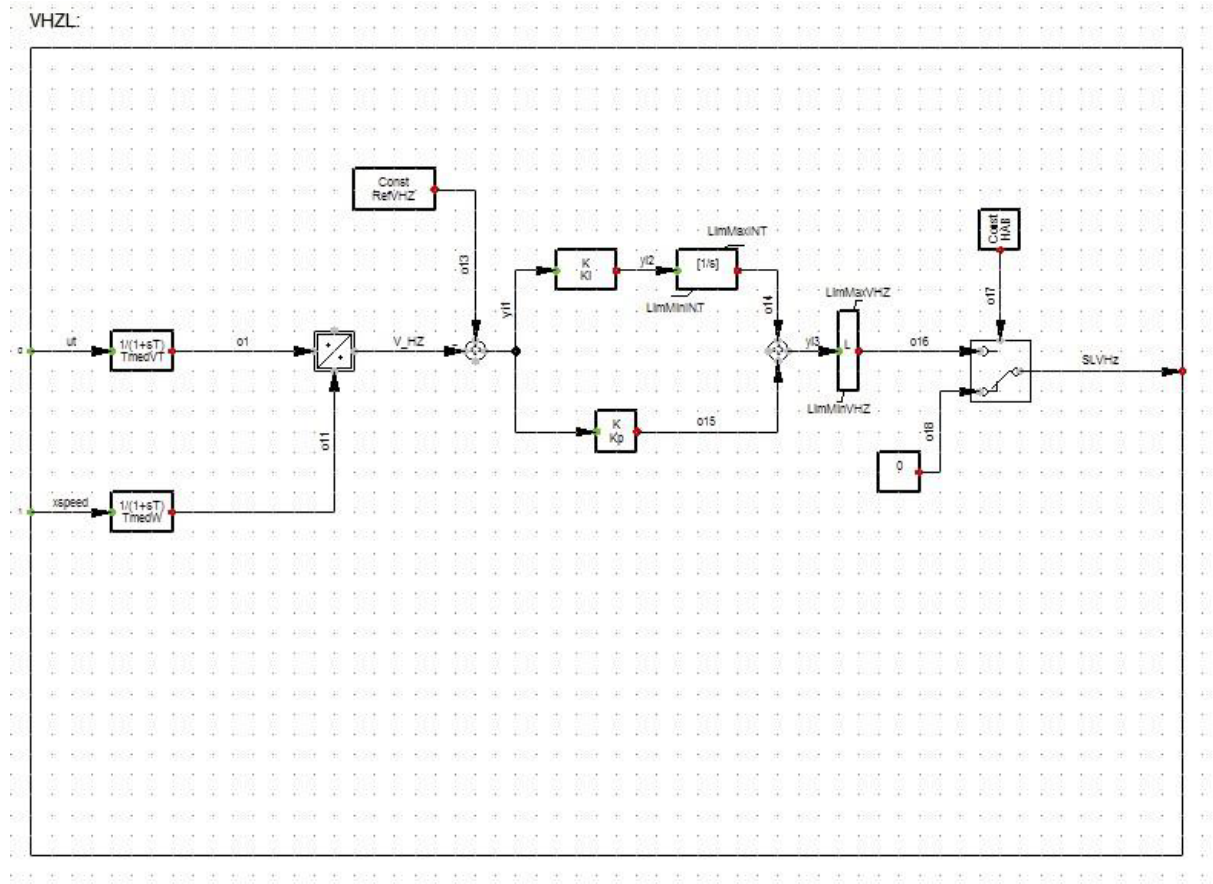


Figura 6. Diagrama de bloques del limitador VHZ

Tabla 7. Parámetros del limitador VHZ

Common Model - Grid\VHZL.ElmDsl		
Name	VHZL	
Model Definition	Models\Models_Gustape\VHZL	
☐ Out of Service	☐ A-stable integration algorithm	
Parameter		
TmedVT	0.01	
TmedW	0.01	
RefVHz	1.1	
Ki	0.2	
Kp	0.05	
HAB	1.	
LimMinINT	-5.	
LimMinVHz	-5.	
LimMaxINT	0.	
LimMaxVHz	0.	
Export to Clipboard		

Limitador MEL (Digsilent = MEL)

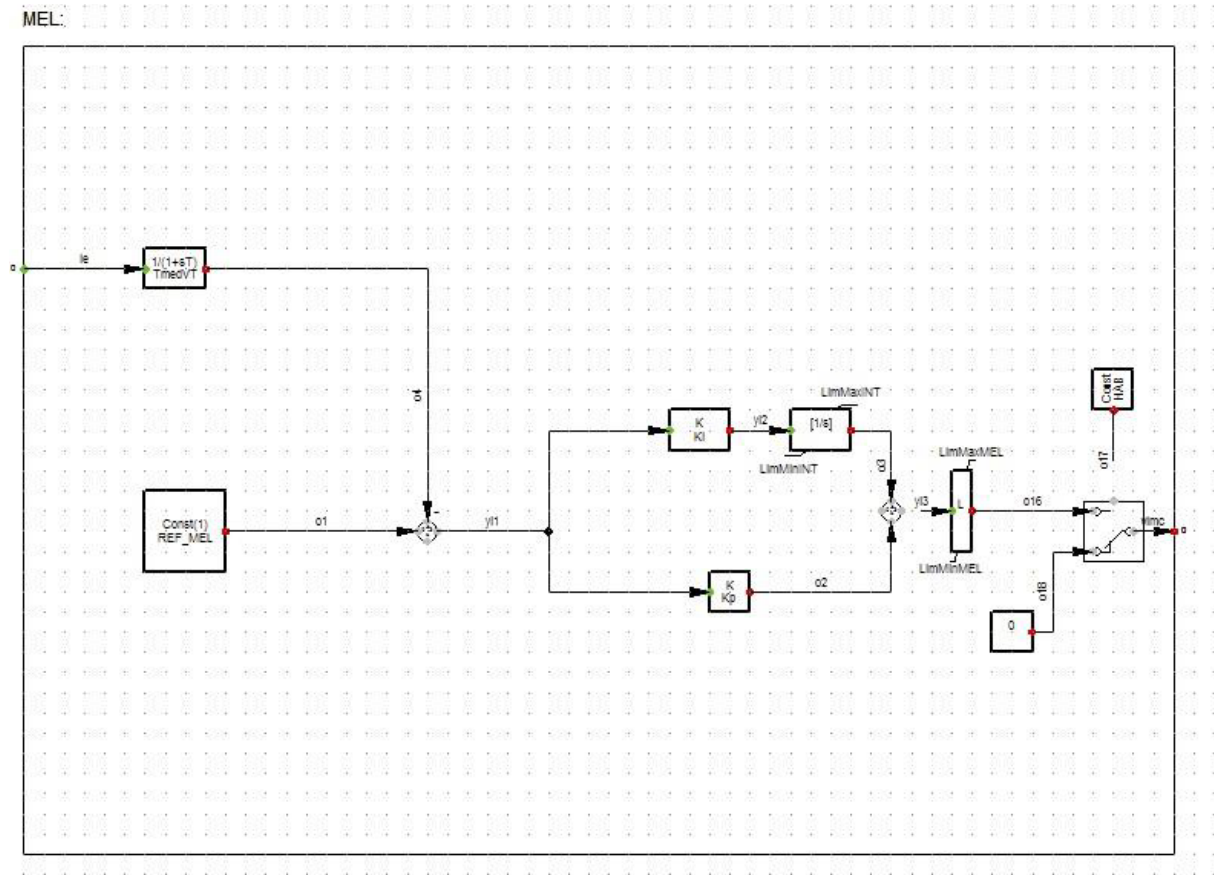


Figura 7. Diagrama de bloques del limitador MEL

Tabla 8. Parámetros del limitador MEL

Common Model - Grid\MEL.ElmDsl	
Name	MEL
Model Definition	... Models\Models_Gustape\MEL
☐ Out of Service	☐ A-stable integration algorithm
Parameter	
TmedVT	0.02
REF_MEL	0.388171
Ki	0.2
Kp	0.05
HAB	1.
LimMinINT	0.
LimMinMEL	0.
LimMaxINT	1.
LimMaxMEL	1.
Export to Clipboard	

Estabilizador de Sistema de Potencia (PSS)

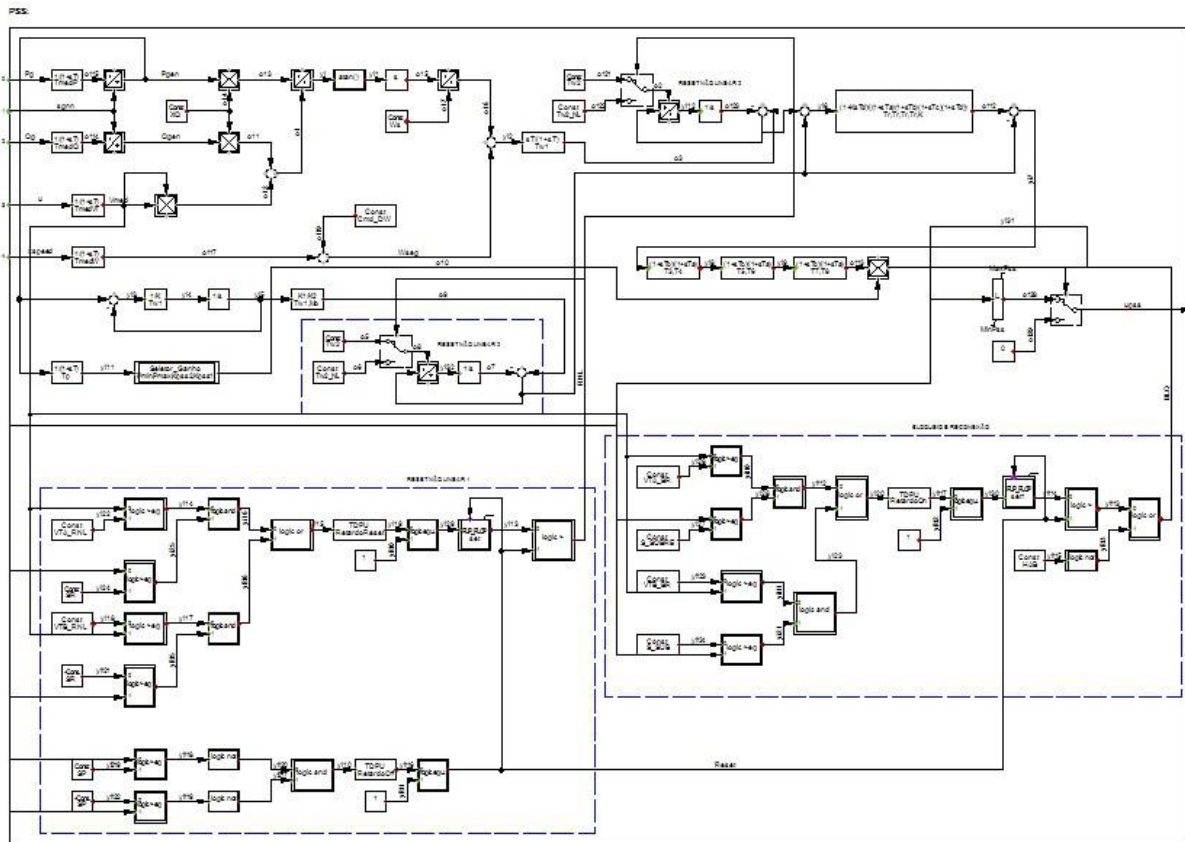


Figura 8. Diagrama de bloques del Estabilizador de Sistema de Potencia

Tabla 9. Parámetros del Estabilizador del Sistema de Potencia

Common Model - Grid\PSS.ElmDsl		
Name	PSS	
Model Definition	...ned Models\Models_Guatape\PSS	
☐ Out of Service	☐ A-stable integration algorithm	
Parameter		
XQ	0,74	
Ws	377,	
Tw1	3,	
Tr	0,15	
K	4,	
T3	0,099	
T4	0,014	
T5	0,099	
T6	0,014	
T7	0,01	
T8	0,01	
Mo	5,94	
TmedP	0,02	
TmedQ	0,02	
TmedVT	0,01	
TmedW	0,01	
Tp	1,	
Export to Clipboard		

Common Model - Grid\PSS.ElmDsl

Name:

Model Definition: ... ned Models\Models_Guatape\PSS

☐ Out of Service ☐ A-stable integration algorithm

	Parameter	
Tw2	3,	
Tw2_NL	0,5	
VTA_RNL	1,05	
VTB_RNL	0,95	
set	0,5	
VTA_BR	1,1	
VTB_BR	0,9	
S_SOBRE	0,05	
S_SUB	-0,05	
set1	0,5	
HAB	1,	
Pmin	0,	
Pmax	0,3	
Kpss2	0,	
Kpss1	15,	
SR	0,05	
SP	0,02	