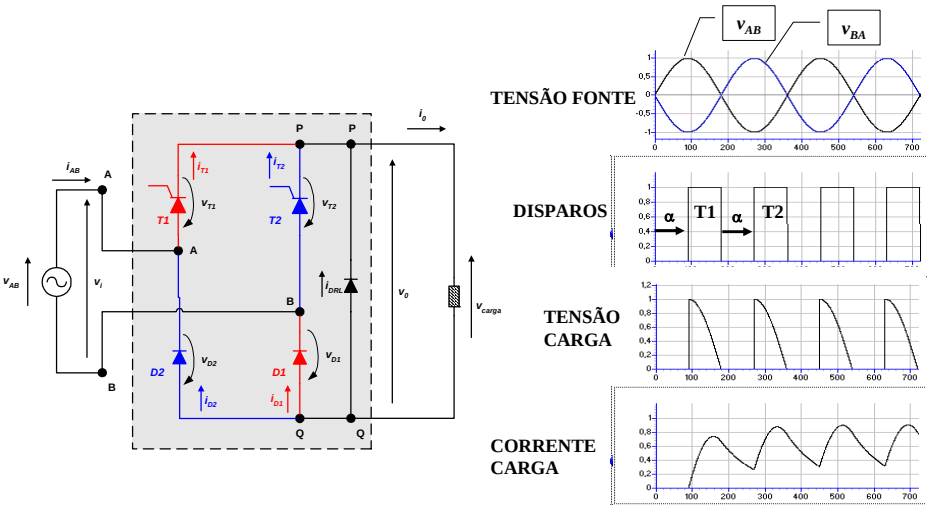
RETIFICADORES HÍBRIDOS (SEMICONTROLADOS)

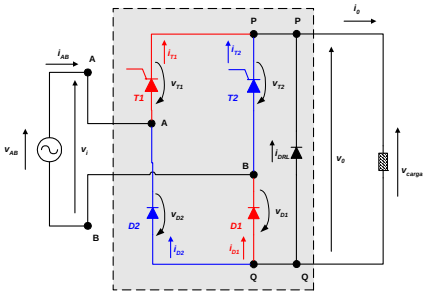
Prof. Azauri A. de Oliveira Jr

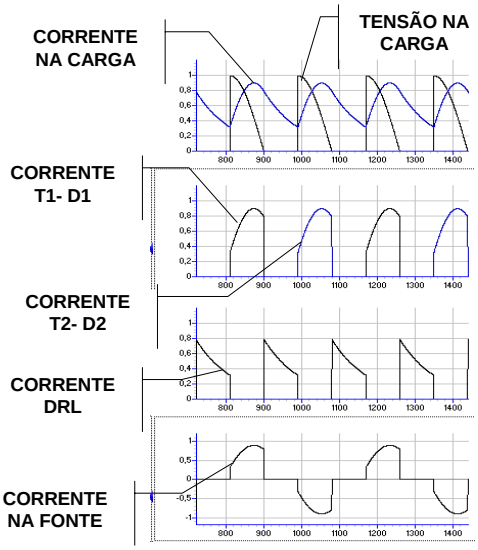
RETIFICADOR MONOFÁSICO HÍBRIDO



RETIFICADOR MONOFÁSICO HÍBRIDO

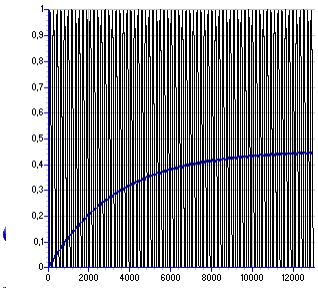
FORMAS DE ONDA EM REGIME PERMANENTE



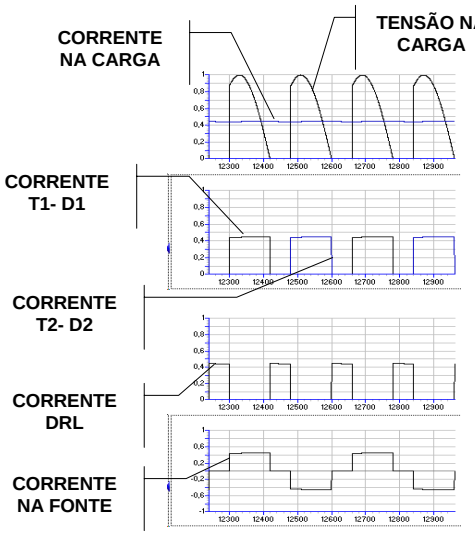


RETIFICADOR MONOFÁSICO HÍBRIDO

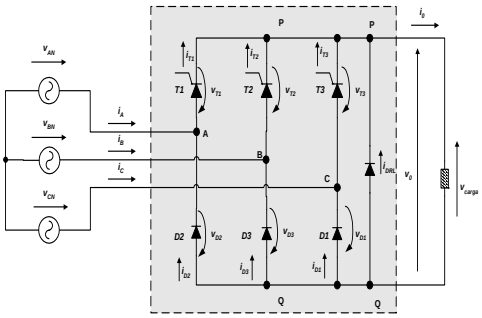
CARGA FORTEMENTE INDUTIVA

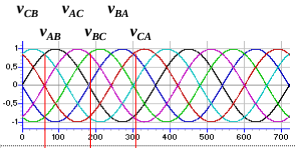


TRANSITÓRIO DA CORRENTE

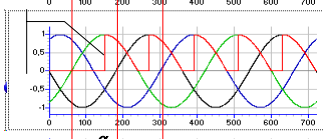


RETIFICADOR TRIFÁSICO HÍBRIDO
(FORMAS DE ONDA - $\alpha \geq 60^0$)

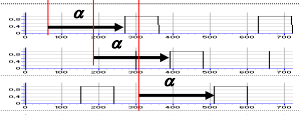




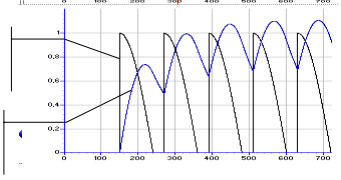
TENSÃO NA CARGA



DISPAROS T1 T2 T3

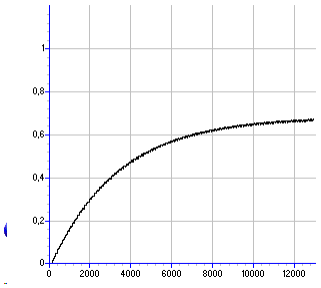


TENSÃO NA CARGA



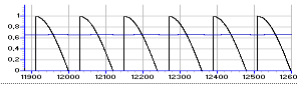
CORRENTE NA CARGA

RETIFICADOR TRIFÁSICO HÍBRIDO
CARGA FORTEMENTE INDUTIVA
(FORMAS DE ONDA - $\alpha \geq 60^0$)

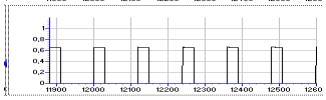


TRANSITÓRIO DA CORRENTE

CORRENTE E TENSÃO NA CARGA

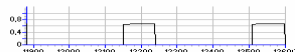


CORRENTE DRL

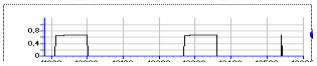


CORRENTE T1-D1

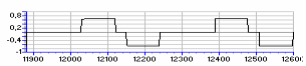
CORRENTE T2-D2



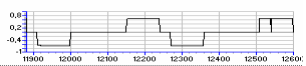
CORRENTE T3-D3



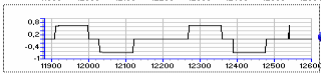
CORRENTE FASE A



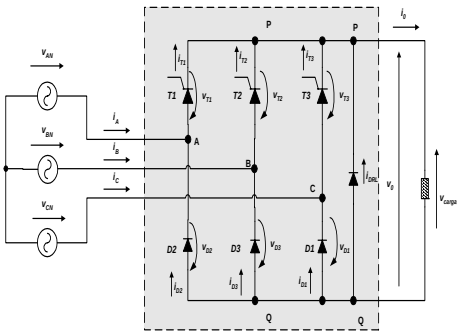
CORRENTE FASE B

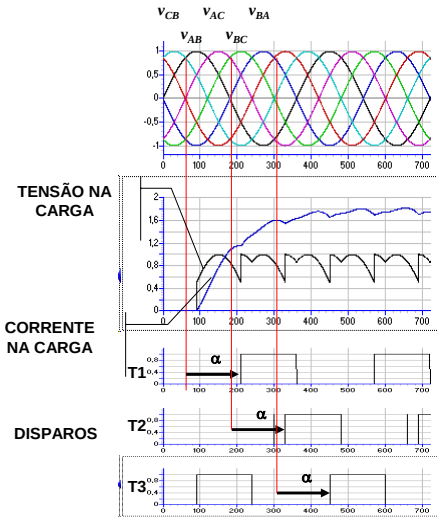


CORRENTE FASE C

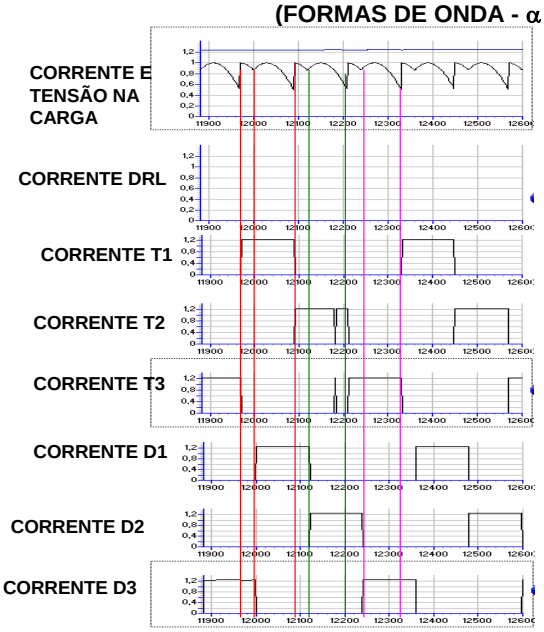
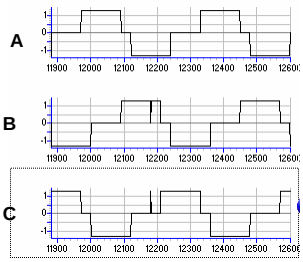


RETIFICADOR TRIFÁSICO HÍBRIDO
(FORMAS DE ONDA - $\alpha < 60^0$)





RETIFICADOR TRIFÁSICO HÍBRIDO - CARGA FORTEMENTE INDUTIVA
(FORMAS DE ONDA - $\alpha < 60^0$)



CORRENTES NAS FASES