



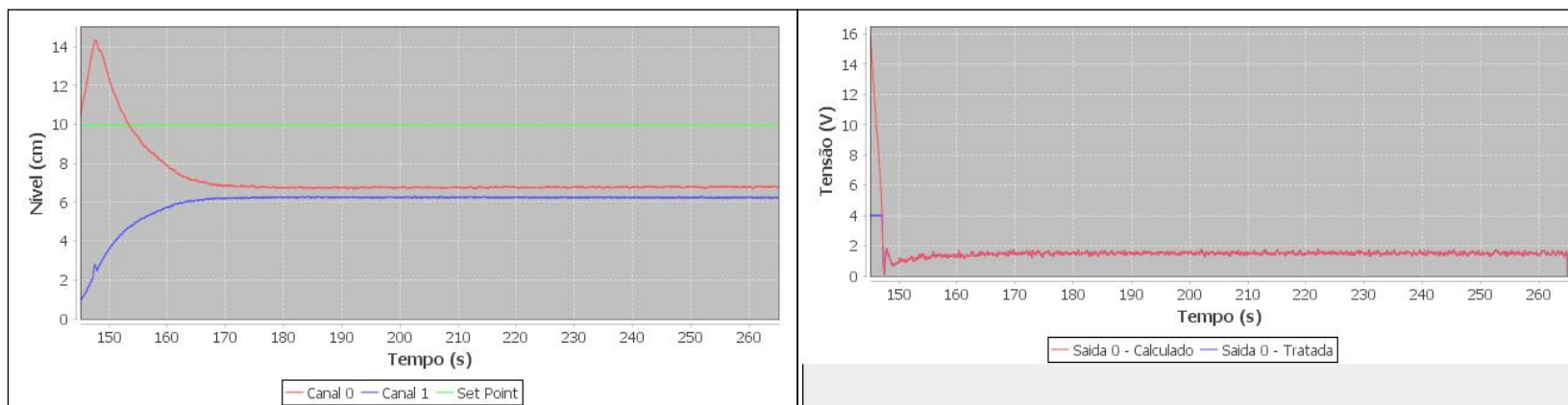
Sistema de Controle de Tanques

TC Control

SetPoint	Tipico	Tr 100%	Tr 95%	Tr 90%	Ts 2%	Ts 5%	Ts 10%	Mp % Mp	Kp	Ki	Ti	Kd	Td
0.0cm - 10.0cm									2.0				

Observações: Observa-se que o controlador P não é eficiente no controle da malha fechada em cascata.

Graficos dos Testes ordenados:



Data: 7/10/2016

Hora: 17:8:14

@AlexandeLUZ - @Anderson - @HigoBESSA - @JaimeDANTAS

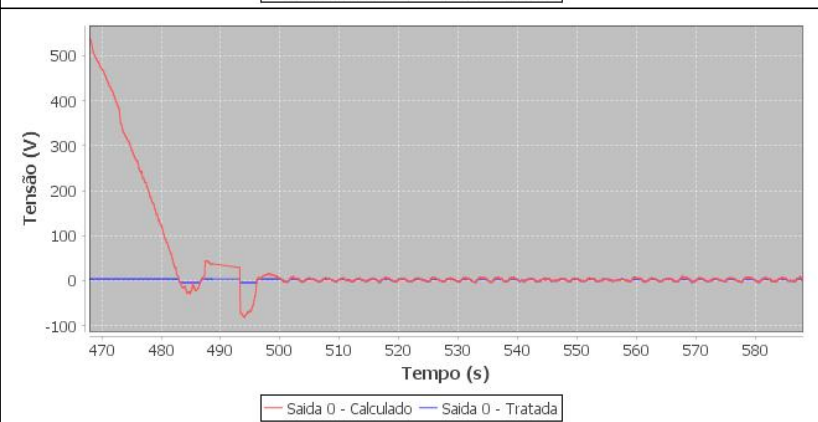
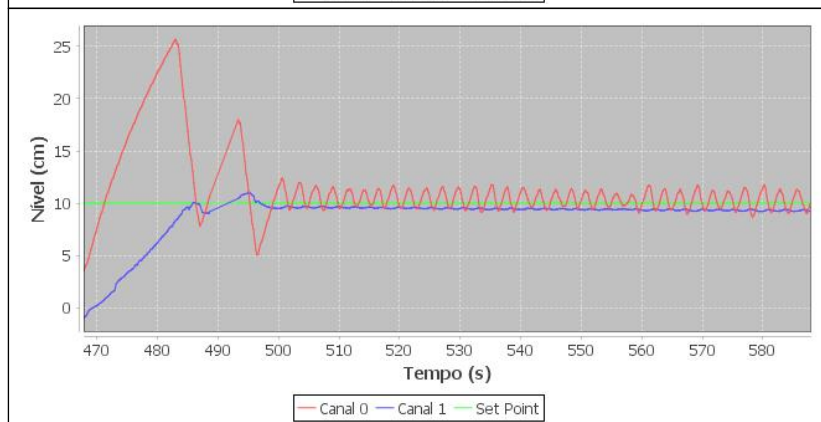
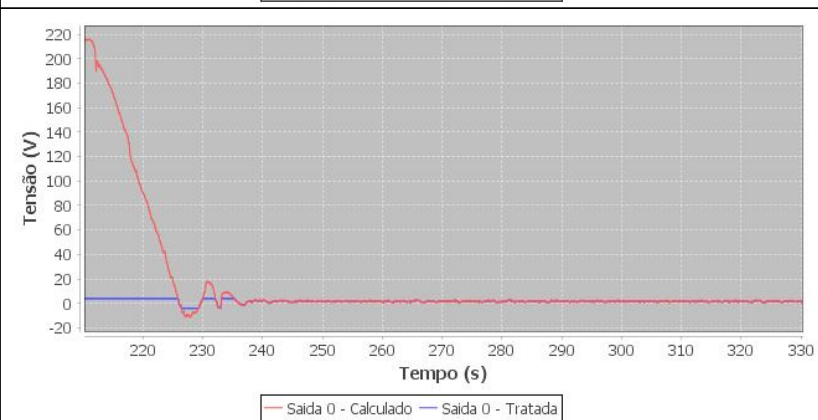
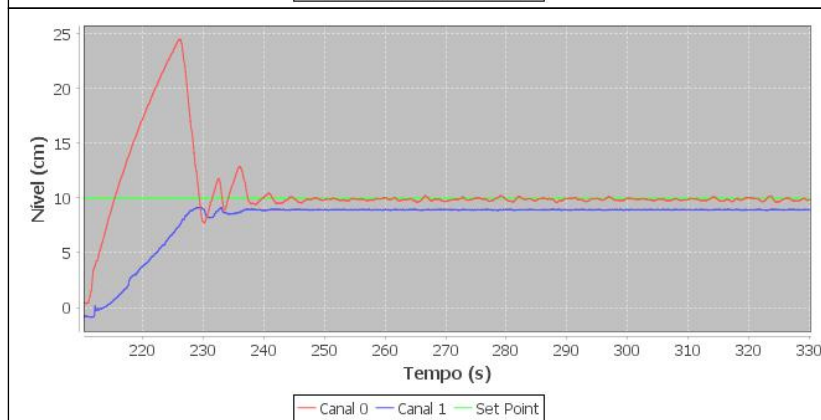
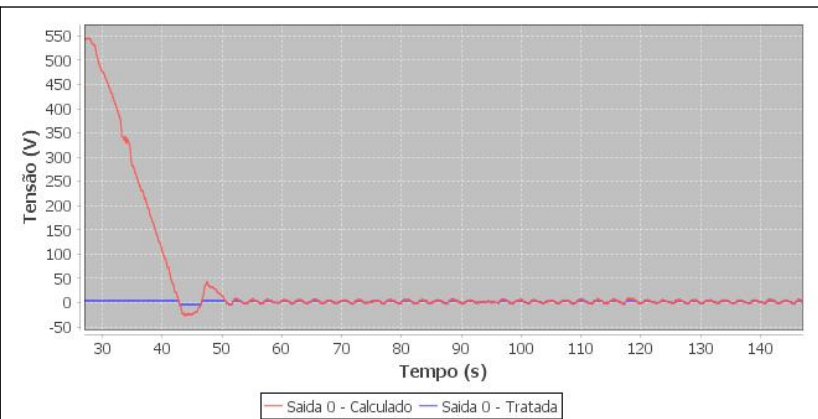
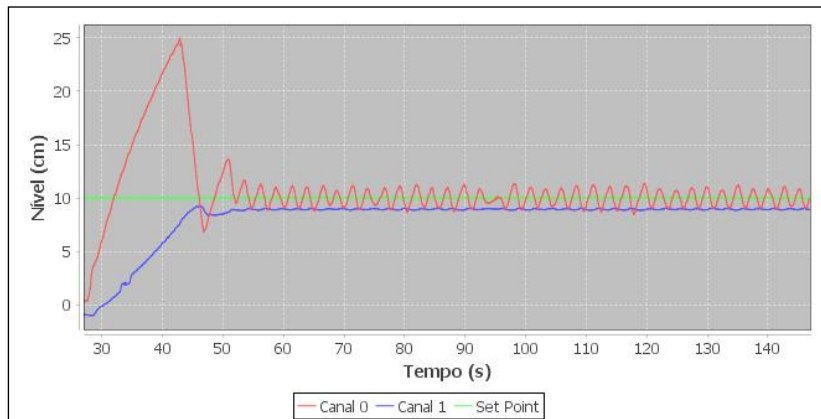


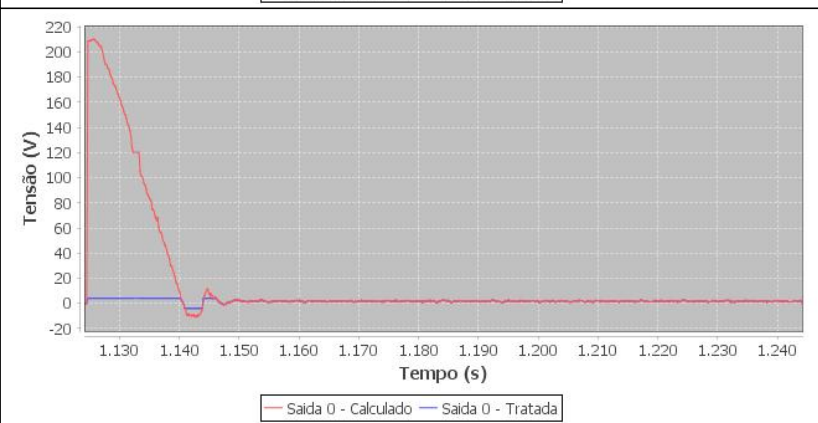
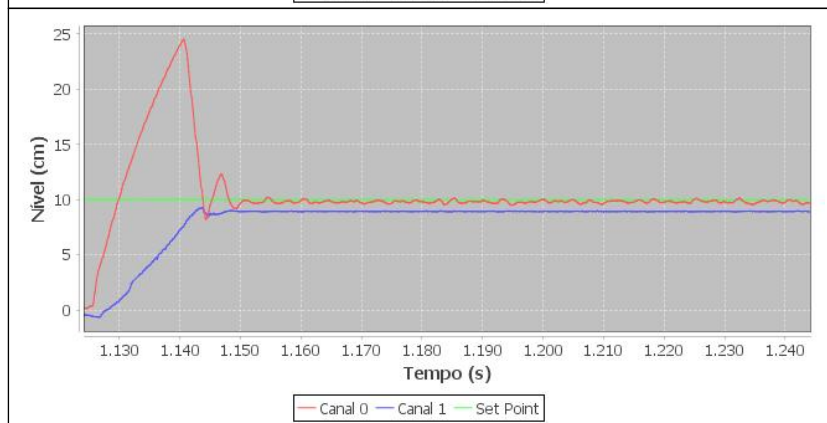
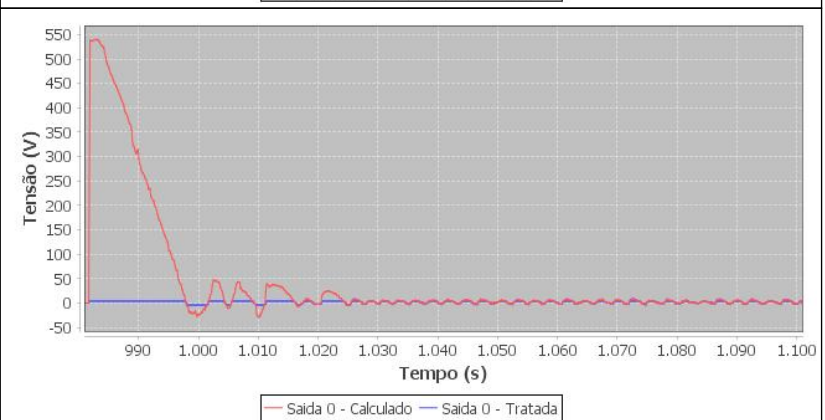
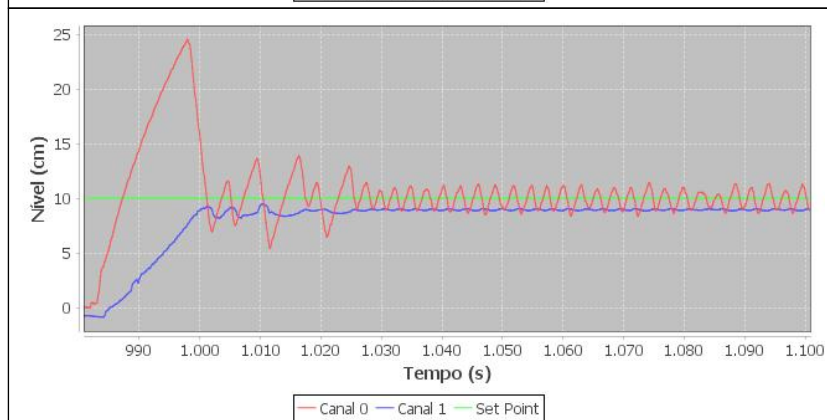
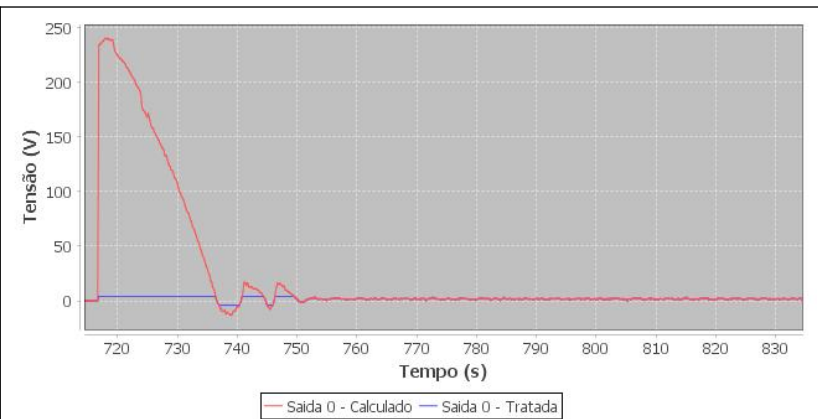
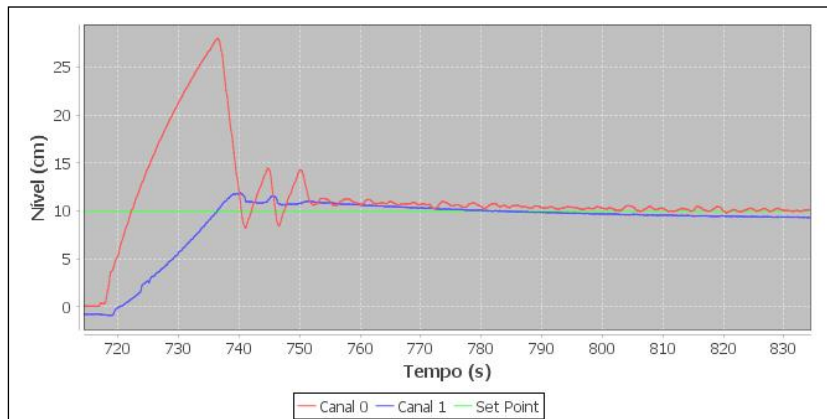
Sistema de Controle de Tanques
TC Control

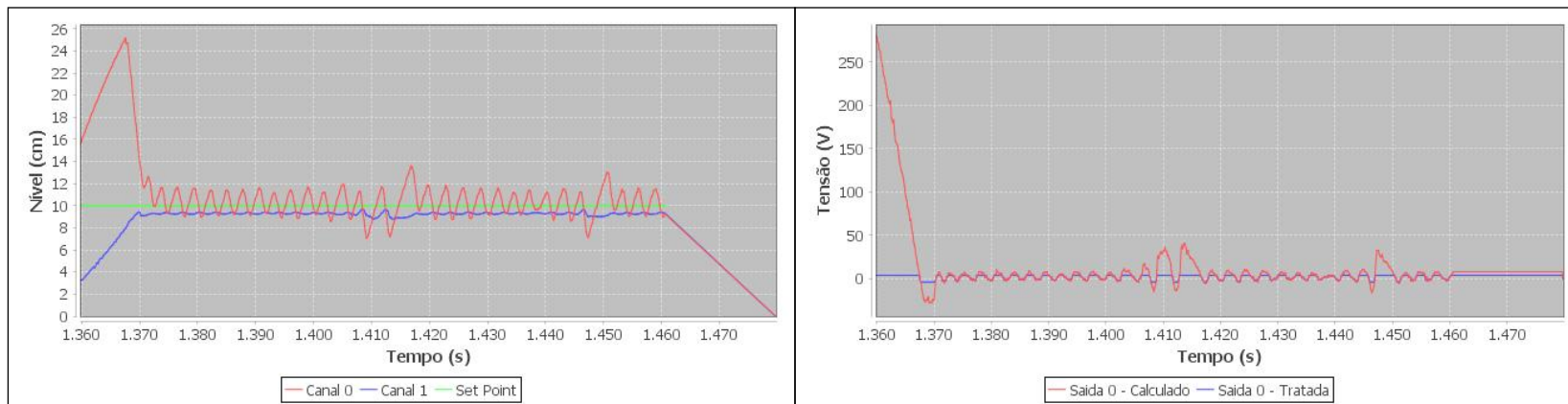
SetPoint	Tpico	Tr 100%	Tr 95%	Tr 90%	Ts 2%	Ts 5%	Ts 10%	Mp % Mp	Kp	Ki	Ti	Kd	Td
0.0cm - 10.0cm				12,46s					10.0				
0.0cm - 10.0cm				12,76s					10.0				
0.0cm - 10.0cm	29,21s	20,07s	13,96s	12,30s			29,29s	10,27% - 1,03cm	10.0				
0.0cm - 10.0cm	23,49s	19,63s	14,20s	12,39s			35,26s	18,67% - 1,87cm	10.0				
0.0cm - 10.0cm				12,45s			118,27s		10.0				
0.0cm - 10.0cm				12,37s					10.0				
0.0cm - 10.0cm			52,21s	12,35s					10.0				

Observações: As imagens seguem o teste laboratorial na seguinte sequencia: P-P ; P-Pi ; P-PD; P-PID

Graficos dos Testes ordenados:







Data: 7/10/2016

Hora: 17:55:36

@AlexandeLUZ - @Anderson - @HigoBESSA - @JaimeDANTAS



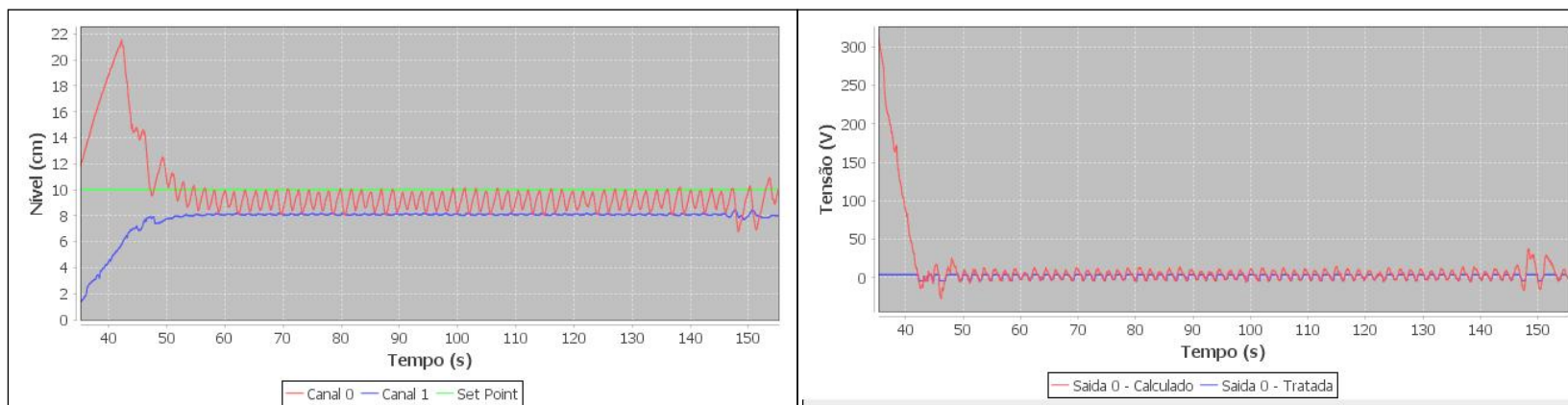
Sistema de Controle de Tanques

TC Control

SetPoint	Tipico	Tr 100%	Tr 95%	Tr 90%	Ts 2%	Ts 5%	Ts 10%	Mp % Mp	Kp	Ki	Ti	Kd	Td
0.0cm - 10.0cm									5.0				

Observações: Com o emprego de diferentes parametros, pode-se ver uma melhora no desempenho do controlador P, no entanto, não será suficiente para um controle eficaz sob a planta.

Graficos dos Testes ordenados:



Data: 7/10/2016

Hora: 17:13:29

@AlexandeLUZ - @Anderson - @HigoBESSA - @JaimeDANTAS



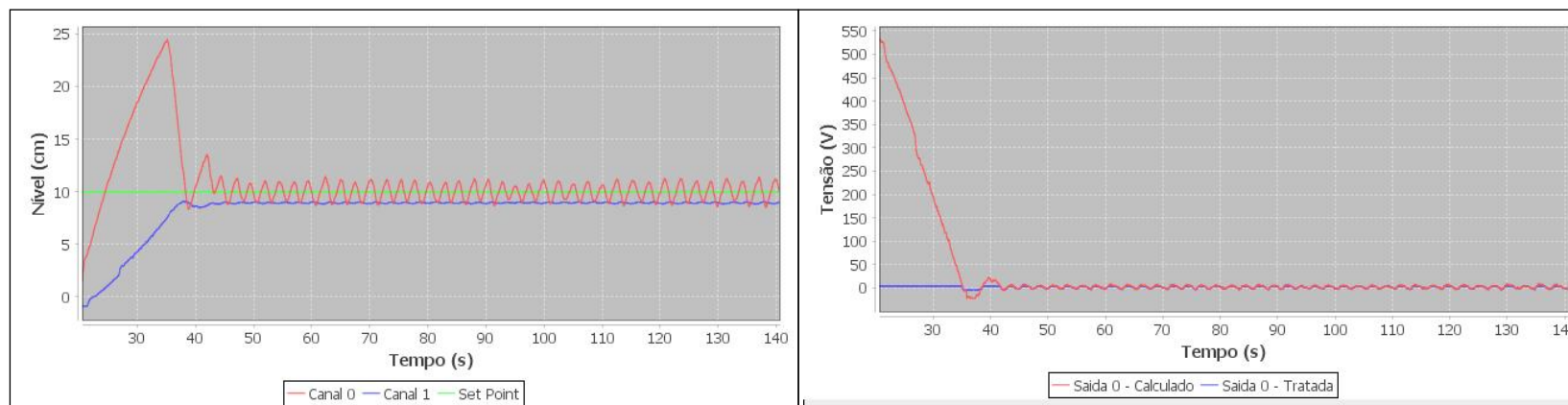
Sistema de Controle de Tanques

TC Control

SetPoint	Tipico	Tr 100%	Tr 95%	Tr 90%	Ts 2%	Ts 5%	Ts 10%	Mp% Mp	Kp	Ki	Ti	Kd	Td
0.0cm - 10.0cm				12,85s			121,47s		10.0				

Observações: Com nova mudança nos parametros, pode-se observar uma grande melhora com o uso do controlador P, chegando uma valor de Ts 10%.

Graficos dos Testes ordenados:



Data: 7/10/2016

Hora: 17:21:48

@AlexandeLUZ - @Anderson - @HigoBESSA - @JaimeDANTAS



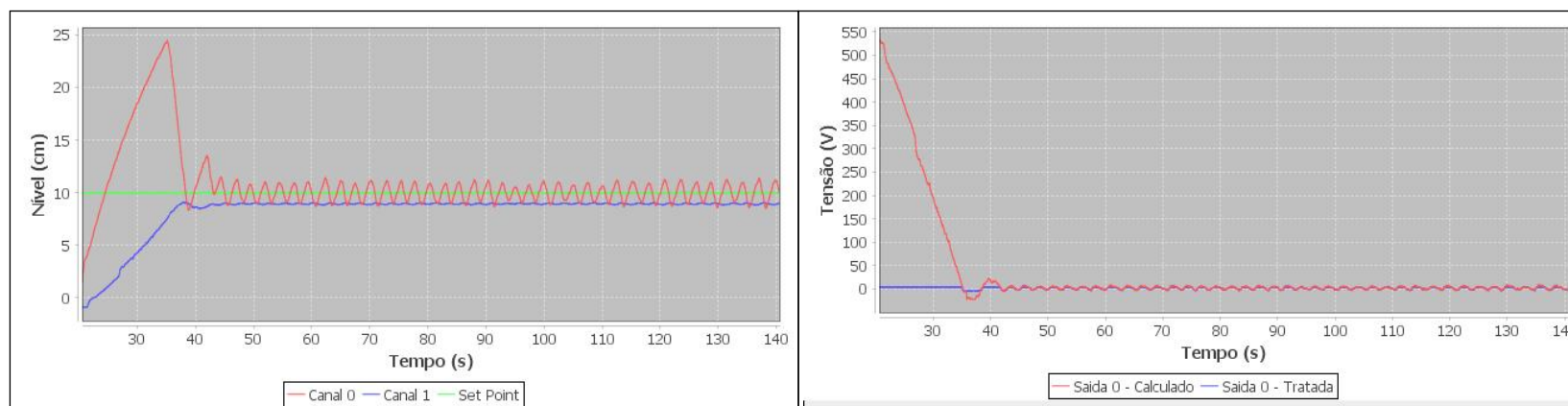
Sistema de Controle de Tanques

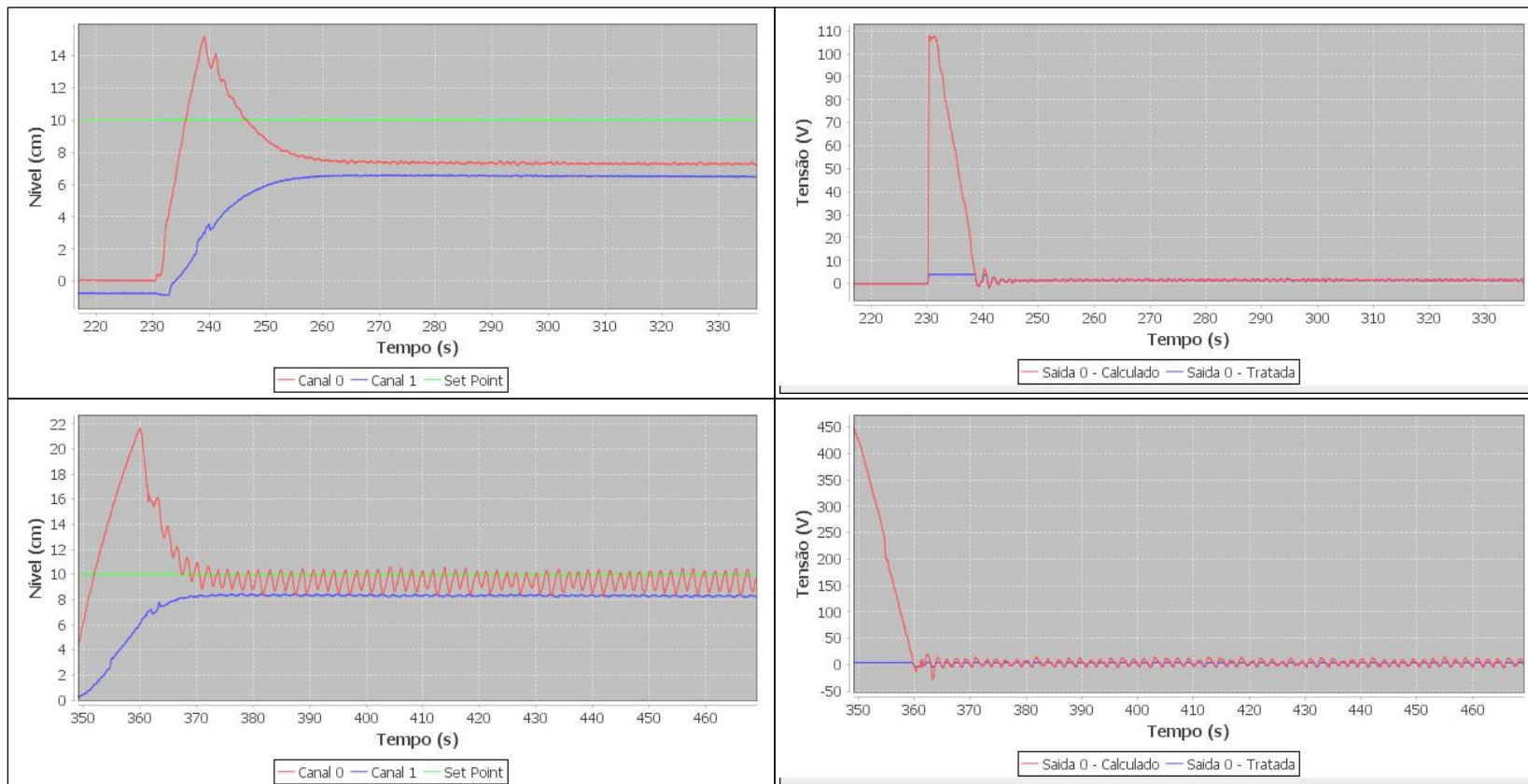
TC Control

SetPoint	Tipico	Tr 100%	Tr 95%	Tr 90%	Ts 2%	Ts 5%	Ts 10%	Mp % Mp	Kp	Ki	Ti	Kd	Td
0.0cm - 10.0cm				12,85s			121,47s		10.0				
0.0cm - 10.0cm									2.0				
0.0cm - 10.0cm									5.0				

Observações:

Graficos dos Testes ordenados:





Data: 7/10/2016

Hora: 17:27:11

@AlexandeLUZ - @Anderson - @HigoBESSA - @JaimeDANTAS